PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF AERONAUTICAL ENGINEERING

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "22AEVC301-NON DESTRUCTIVE TESTING" for Third semester students from 19.09.2022 to 24.09.2022. The interested students are asked to enroll their name to the course coordinator Mr.D.RAJKUMAR,.AsP/AERO on or before date. (Spot registration can also be permitted).

Course Co-ordinator:1. Mr.D.RAJKUMAR,.AsP/AERO

HEAD OF THE DEPARTMENT
DEPARTMENT OF AERONAUTICAL ENGINEERING
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
PACHAL, NAMAKKAL - 637 018

HOD/AERO

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

NON DESTRUCTIVE TESTING

ABOUT THE COURSE:

Nondestructive Testing (NDT) plays an important role in assuring that structural and mechanical components perform their function in a safe, reliable, and cost-effective manner.

Who Can Join?

- II, III, IV Year of B.E,B.Tech– students
- Those who want to become a Testing Technician.
- Out of box thinkers.

Why Solid Works?

- Solid Works is relatively easy to learn in comparison to other solid modellers.
- It is the most popular solid modeller,
- You have more job choices available to you.

Course Content:

- Introduction to
  - Sketching
  - Part modelling
  - Assembly modelling

Date: 19.09.2022 to 24.09.2022.

Venue:

Harita Tech serve lab,

Core Engineering Block

Paavai Engineering college

Course Incharge

- Mr.D.RAJKUMAR,.AsP/AERO

22AEVC301 **NON DESTRUCTIVE TESTING**

COURSE OBJECTIVES

To enable the students

- gain practical knowledge on conventional NDT techniques
- develop a strong hands on experience for inspecting and evaluating components in accordance with industry specifications.

1. LIQUID PENETRANT TESTING

Introduction

Equipment &Materials

Inspection Methods

Interpretation

Discontinuities

2. MAGNETIC PARTICLE TESTING

Introduction

Magnetization Methods

Magnetization Equipment

Interpretation

Discontinuities

3. ULTRASONIC TESTING

Introduction

Ultrasonic Principle

Equipment

Reference Block

Testing Methods

Inspection & Evaluation

4. RADIOGRAPHIC TESTING

Principles

Techniques

Applications

Limitations

Standards and Specifications related to Radiography

TOTAL PERIODS 30

COURSE OUTCOMES

Upon completion of the course students will be able to

TEXT BOOK & MANUALS

- Baldev Raj, T.Jayakumar, M.Thavasimuthu Practical Non-Destructive Testing, Narosa Publishing House, 2014.
- Ravi Prakash, Non-Destructive Testing Techniques, 1st revised edition, New Age International Publishers, 2010

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL -637 018
DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic Year 2022-2023

Attendance sheet

Year/Semester : II/III

Course Name : 22AEVC301-NON DESTRUCTIVE TESTING Date : 19.09.2022

S.No	Reg.No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22	24.09.22
1.	622121101001	ANBUMANI.N	/	/	/	/	/	/
2.	622121101007	DHARSHINI.S	/	/	/	/	/	/
3.	622121101008	ELAKKIYA.S	/	/	/	/	/	/
4.	622121101011	KARPURAPU CHENCHU JAYANTH	/	/	/	/	/	/
5.	622121101012	KARTHIKEYAN.D	/	/	/	/	/	/
6.	622121101014	KOKILA.G	/	/	/	/	/	/
7.	622121101015	LOGESHWARAN.M	/	/	/	/	/	/
8.	622121101016	MADHESH ADHITHYA.S	/	/	/	/	/	/
9.	622121101017	MADUBALAN.G	/	/	/	/	/	/
10.	622121101018	PERIKALA AKHILESH	/	/	/	/	/	/
11.	622121101019	RAMKUMAR.S	/	/	/	/	/	/
12.	622121101020	RITHIKA.B	/	/	/	/	/	/
13.	622121101022	SAKTHI.S	/	/	/	/	/	/
14.	622121101023	SAKTHIVEL.J	/	/	/	/	/	/
15.	622121101026	SIVAREDDY NIRANJA REDDY	/	/	/	/	/	/
16.	622121101027	SRIKANTH.M	/	/	/	/	/	/
17.	622121101028	SUBALRAJ.M	/	/	/	/	/	/
18.	622121101030	THIRUMALAI.E	/	/	/	/	/	/
19.	622121101031	THROVAGUNTA VENKATA SAKETH	/	/	/	/	/	/
20.	622121101032	UDHAYAKUMAR.S	/	/	/	/	/	/
21.	622121101033	VENGATACHALAM.S	/	/	/	/	/	/
22.	622121101501	VIJAY.V	/	/	/	/	/	/

Course Coordinator

HoD

PAAVAI ENGINEERING COLLEGE

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CERTIFICATE
OF COMPLETION

THIS IS TO CERTIFY THAT

PERIKALA AKHILESH

From II-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC301-NON DESTRUCTIVE TESTING Course 30Hrs From 19.09.2022 to 24.09.2022

Value Added Course for Acdemic Year 2022-23

Mr.D.RAJKUMAR	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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CERTIFICATE

OF COMPLETION

THIS IS TO CERTIFY THAT

SUBALRAJ.M

From II-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC301-NON DESTRUCTIVE TESTING Course 30Hrs From 19.09.2022 to 24.09.2022

Value Added Course for Acdemic Year 2022-23

Mr.D.RAJKUMAR	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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THIS IS TO CERTIFY THAT

VENGATACHALAM.S

From II-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC301-NON DESTRUCTIVE TESTING Course 30Hrs From 19.09.2022 to 24.09.2022

Value Added Course for Acdemic Year 2022-23

Mr.D.RAJKUMAR	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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ANBUMANI.N

From II-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC301-NON DESTRUCTIVE TESTING Course 30Hrs From 19.09.2022 to 24.09.2022

Value Added Course for Acdemic Year 2022-23

Mr.D.RAJKUMAR	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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ELAKKIYA.S

From II-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC301-NON DESTRUCTIVE TESTING Course 30Hrs From 19.09.2022 to 24.09.2022

Value Added Course for Acdemic Year 2022-23

Mr.D.RAJKUMAR	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF AERONAUTICAL ENGINEERING

DATE: 20.03.2023

CIRCULAR

It is planned to conduct Five Days Value Added Course on "22AEVC401-COMPUTER AIDED DESIGN CATIA-BASIC" for Fourth semester students from 27.03.2023 to 01.04.2023. The interested students are asked to enroll their name to the course coordinator Mr.G.SASI,.AP/AERO on or before date. (Spot registration can also be permitted).

Course Co-ordinator:1. Mr.G.SASI AP/Aero

HEAD OF THE DEPARTMENT
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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

COMPUTER AIDED DESIGN CATIA-BASIC

ABOUT THE COURSE:

CATIA is an acronym for Computer Aided Three-dimensional Interactive Application. It is one of the leading 3D software used by organizations in multiple industries ranging from aerospace, automobile to consumer products..

Who Can Join?

- II, III, IV Year of B.E,B.Tech– students
- Those who want to become a Software Technician.
- The powerful professional aspirants.

Why CATIA?

- The CATIA suite is a powerful design tool that is growing in popularity due to the powerful functionality it offers
- It is the most popular solid modeller,
- You have more job choices available to you internationally.

Course Content:

- Introduction to
  - CATIA
  - SKETCHER WORKBENCH

Date: 27.03.2023 to 01.04.2023

Venue:

Software lab,

Core Engineering Block

Paavai Engineering college

Course Incharge: Mr.G.SASI AP/Aero,PEC

22AEVC401 **COMPUTER AIDED DESIGN CATIA-BASIC**

COURSE OBJECTIVE

To enable the students to

- gain strong ground on solid modeling techniques that would enhance the productivity in modeling
- develop the analysis process of mechanical components.
-

INTRODUCTION TO CATIA

Introduction to CATIA-History of CATIA-CATIA modeling process, Parametric design concept, feature based design etc-CATIA Features-SKETCHER-Creating a new part.

SKETCHER WORKBENCH

Basic sketch, Sketch in task environment, Selection tools-Profile, Predefined shapes, Circles, Spline, Conics, Line, Points-Operations, Corner, Chamfer, Relimitation tools-Projections, Transformations-Constraints, Sketch tools, Grid, Snap on grid, Construction-Geometrical constraints, Dimensional constraints., Sketch analysis-Visualization tools, View tool bar, Workbench

TOTAL PERIODS 30

COURSE OUTCOMES

Upon completion of this course, the students would have

- Learnt advanced solutions for conceptual design, 3D modelling, and documentation.
- Learnt to do product design, industrial design and styling (optimize form, fit, function and user experience), streamline 2D design, drafting, documentation with powerful tools for layout.

TEXT BOOK & MANUALS

- Jonathan M. Weaver, Nader G. Zamani CATIA V5 Tutorials Mechanism Design & Animation Release 20

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL -637 018
DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic Year 2022-2023

Attendance sheet

Year/Semester : II/IV

Course Name : 22AEVC401-COMPUTER AIDED DESIGN CATIA-BASIC Date : 27.03.2023

S.No	Reg.No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
1.	622121101001	ANBUMANI.N	/	/	/	/	/	/
2.	622121101007	DHARSHINI.S	/	/	/	/	/	/
3.	622121101008	ELAKKIYA.S	/	/	/	/	/	/
4.	622121101011	KARPURAPU CHENCHU JAYANTH	/	/	/	/	/	/
5.	622121101012	KARTHIKEYAN.D	/	/	/	/	/	/
6.	622121101014	KOKILA.G	/	/	/	/	/	/
7.	622121101015	LOGESHWARAN.M	/	/	/	/	/	/
8.	622121101016	MADHESH ADHITHYA.S	/	/	/	/	/	/
9.	622121101017	MADUBALAN.G	/	/	/	/	/	/
10.	622121101018	PERIKALA AKHILESH	/	/	/	/	/	/
11.	622121101019	RAMKUMAR.S	/	/	/	/	/	/
12.	622121101020	RITHIKA.B	/	/	/	/	/	/
13.	622121101022	SAKTHI.S	/	/	/	/	/	/
14.	622121101023	SAKTHIVEL.I	/	/	/	/	/	/
15.	622121101026	SIVAREDDY NIRANJA REDDY	/	/	/	/	/	/
16.	622121101027	SRIKANTH.M	/	/	/	/	/	/
17.	622121101028	SUBALRAJ.M	/	/	/	/	/	/
18.	622121101030	THIRUMALAI.E	/	/	/	/	/	/
19.	622121101031	THROVAGUNTA VENKATA SAKETH	/	/	/	/	/	/
20.	622121101032	UDHAYAKUMAR.S	/	/	/	/	/	/
21.	622121101033	VENGATACHALAM.S	/	/	/	/	/	/
22.	622121101501	VIJAY.V	/	/	/	/	/	/

Course Coordinator

HoD

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CERTIFICATE
OF COMPLETION

THIS IS TO CERTIFY THAT

VIJAY.V

From II-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC401-COMPUTER AIDED DESIGN CATIA-BASIC Course 30Hrs From 27.03.2023 to 01.04.2023

Value Added Course for Acdemic Year 2022-23

Mr.G.SASI	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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KARPURAPU CHENCHU JAYANTH

From II-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC401-COMPUTER AIDED DESIGN CATIA-BASIC Course 30Hrs From 27.03.2023 to 01.04.2023

Value Added Course for Acdemic Year 2022-23

Mr.G.SASI	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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MADHESH ADHITHYA.S

From II-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC401-COMPUTER AIDED DESIGN CATIA-BASIC Course 30Hrs From 27.03.2023 to 01.04.2023

Value Added Course for Acdemic Year 2022-23

Mr.G.SASI	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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RITHIKA.B

From II-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC401-COMPUTER AIDED DESIGN CATIA-BASIC Course 30Hrs From 27.03.2023 to 01.04.2023

Value Added Course for Acdemic Year 2022-23

Mr.G.SASI	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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THIS IS TO CERTIFY THAT

SAKTHI.S

From II-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC401-COMPUTER AIDED DESIGN CATIA-BASIC Course 30Hrs From 27.03.2023 to 01.04.2023

Value Added Course for Acdemic Year 2022-23

Mr.G.SASI	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF AERONAUTICAL ENGINEERING

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "22AEVC501-ADVANCED AIRCRAFT MAINTENANCE" for Fifth semester students from 19.09.2022 to 24.09.2022. The interested students are asked to enroll their name to the course coordinator Mr. R.Ramachandra Prabhu AP/Aero,PEC on or before date. (Spot registration can also be permitted).

Course Co-ordinator:1. Mr. R.Ramachandra Prabhu AP/Aero,PEC

HEAD OF THE DEPARTMENT
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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
PACHAL, NAMAKKAL - 637 018

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(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

ADVANCED AIRCRAFT MAINTENANCE

ABOUT THE COURSE:

The Aircraft Maintenance is a niche course which deals with the maintenance, upgrade and quality assurance of aircraft. It is also a mix of theory and practice and the students also get ample exposure to the aviation industry

Who Can Join?

- II, III, IV Year of B.E,B.Tech– students
- Passionate to work in the aviation field.

Need for AIRCRAFT MAINTENANCE?

- Having an exploring nature and willingness to learn new things
- It is the most popular course for Engineers.
- The responsible and promising job in the aviation sector

Course Content:

- Introduction, Construction
- Performance, Lubrication system, Induction system
- Fuel system, Ignition System, Starting System
- Propeller, Maintenance
- Introduction, Inlet, Compressor
- Combustion, Turbine, Exhaust
- Fuel system, Lubrication system, Ignition System
- Starting, Thrust Augmentation, Material, Maintenance

Date: 19.09.2022 to 24.09.2022

Venue:

Aircraft Engine Lab,

Aeronautical Engineering Block

Paavai Engineering college

Course Incharge

- Mr. R.Ramachandra Prabhu AP/Aero,PEC

22AEVC501 **ADVANCED AIRCRAFT MAINTENANCE**

COURSE OBJECTIVE

To enable the students to

- acquire the knowledge of their relevant Advanced Aircraft Maintenance course
- develop their practical skills in maintenance

COURSE LAYOUT:

Module1: Introduction, Construction
Module2: Performance, Lubrication system, Induction system
Module3: Fuel system, Ignition System, Starting System
Module4: Propeller, Maintenance
Module5: Introduction, Inlet, Compressor
Module6: Combustion, Turbine, Exhaust
Module7: Fuel system, Lubrication system, Ignition System
Module8: Starting, Thrust Augmentation, Material, Maintenance

TOTAL PERIODS 30

COURSE OUTCOMES

Upon successful completion of this course, students will be able to

- gain the knowledge about Maintenance domain
- bridge the gap between theoretical concepts learned in college and industry practices

TEXT BOOK & MANUALS

- https://onlinecourses.nptel.ac.in/noc20_ae07/preview

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL -637 018
DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic Year 2022-2023

Attendance sheet

Year/Semester : III/V

Course Name : 22AEVC501- ADVANCED AIRCRAFT MAINTENANCE Date : 19.09.2022

S.No	Reg.No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22	24.09.22
1.	20101001	ABIL.K	/	/	/	/	/	/
2.	20101002	ARSATHPARVEZ.M	/	/	/	/	/	/
3.	20101004	MANIVANNAN.R	/	/	/	/	/	/
4.	20101005	MOHAMEDALAMEEN.R	/	/	/	/	/	/
5.	20101006	MOHAMMEDKAIF.S	/	/	/	/	/	/
6.	20101007	MURALI.M	/	/	/	/	/	/
7.	20101008	NANTHAKUMAR.A	/	/	/	/	/	/
8.	20101009	PUGALENDHI.A	/	/	/	/	/	/
9.	20101010	RADHA KRISHNAN.T	/	/	/	/	/	/
10.	20101011	RAGUL.D	/	/	/	/	/	/
11.	20101012	SANJAI.E	/	/	/	/	/	/
12.	20101013	SUSIGARAN.G	/	/	/	/	/	/
13.	20101014	THIRUMAL.A	/	/	/	/	/	/
14.	20101015	VIGNESHKUMAR.K	/	/	/	/	/	/
15.	20101017	VIMALRAJ.K	/	/	/	/	/	/
16.	20101018	YUVARAJ.R	/	/	/	/	/	/

Course Coordinator

HoD

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CERTIFICATE

OF COMPLETION

THIS IS TO CERTIFY THAT

MOHAMMEDKAIF.S

From III-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC501- ADVANCED AIRCRAFT MAINTENANCE Course 30Hrs From 19.09.2022 to 24.09.2022

Value Added Course for Acdemic Year 2022-23

Mr. R.Ramachandra Prabhu	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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CERTIFICATE

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THIS IS TO CERTIFY THAT

RADHA KRISHNAN.T

From III-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC501- ADVANCED AIRCRAFT MAINTENANCE Course 30Hrs From 19.09.2022 to 24.09.2022

Value Added Course for Acdemic Year 2022-23

Mr. R.Ramachandra Prabhu	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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VIMALRAJ.K

From III-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC501- ADVANCED AIRCRAFT MAINTENANCE Course 30Hrs From 19.09.2022 to 24.09.2022

Value Added Course for Acdemic Year 2022-23

Mr. R.Ramachandra Prabhu	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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CERTIFICATE
OF COMPLETION

THIS IS TO CERTIFY THAT

ABIL.K

ABIL.K

From III-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC501- ADVANCED AIRCRAFT MAINTENANCE Course 30Hrs From 19.09.2022 to 24.09.2022

Value Added Course for Acdemic Year 2022-23

Mr. R.Ramachandra Prabhu	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF AERONAUTICAL ENGINEERING

DATE: 20.03.2023

CIRCULAR

It is planned to conduct Five Days Value Added Course on "22AEVC601-COMPUTER AIDED ANALYSIS HYPERMESH" for Sixth semester students from 27.03.2023 to 01.04.2023. The interested students are asked to enroll their name to the course coordinator Mr.K.Gokulnath,.AP/AERO on or before date. (Spot registration can also be permitted).

Course Co-ordinator:1. Mr.K.Gokulnath AP/Aero

HEAD OF THE DEPARTMENT
DEPARTMENT OF AERONAUTICAL ENGINEERING
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
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(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

COMPUTER AIDED ANALYSIS HYPERMESH

ABOUT THE COURSE:

HyperMesh supports a wide variety of CAD and solver interfaces, making it a perfect solution for most industry verticals and domains. With its advanced geometry and meshing capabilities, HyperMesh provides an environment for rapid model generation.

Who Can Join?

- II, III, IV Year of B.E,B.Tech– students
- Those who want to become a Software Technician.
- The powerful professional aspirants.

Why HYPERMESH?

- Modelling of laminate composites is supported.
- Advanced creation, editing and visualization tools.
- Design changes can be made easily via mesh morphing and geometry dimensioning.

Course Content:

Introduction to

- HYPERMESH
- OPTISTRUCT
- MESHING
- OPTIMIZATION

Date: 27.03.2023 to 01.04.2023

Venue:

Software lab,
Core Engineering Block
Paavai Engineering College

Course Incharge

- Mr.K.Gokulnath AP/Aero,PEC

22AEVC601 COMPUTER AIDED ANALYSIS HYPERMESH

COURSE OBJECTIVES

To enable the students to

- use basic and advanced features of Analysis
- understand how CAE technology can be leveraged in the analysis process.

HYPERMESH

Basic modeling, Geometry cleanup, Organizing the model with collectors, Extracting mid surfaces & simplifying, Selecting the user Profiles, Project, Numbering, Mask, Normals, Interactive surface meshing, Element density, Algorithms, Checking element quality. Introduction to solid meshing: Solid panels, Drag, spin, Line drag, element offset, linear solid.

OPTISTRUCT

Linear Static Analysis, Thermal Analysis, Modal Analysis, Harmonic Analysis, Inertia Relief Analysis.

OPTIMIZATION

Topology, optimization for solid problems, Optimization for stress problems

HYPERMORPH

morph volumes, Morph to geometry, freehand morph, morph options

TOTAL PERIODS: 30

COURSEOUTCOMES

Upon completion of this course the student will

- demonstrate competency with multiple analysis
- apply industry standards in the preparation of mechanical analysis

TEXT BOOK & MANUALS

- https://imechanica.org/files/HM%20Advanced%20Training.pdf

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL-637 018
DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic Year 2022-2023

Attendance sheet

Year/Semester : III/VI

Course Name : 22AEVC601- COMPUTER AIDED ANALYSIS HYPERMESH Date : 27.03.2023

S.No	Reg.No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
1.	20101001	ABIL.K	/	/	/	/	/	/
2.	20101002	ARSATHPARVEZ.M	/	/	/	/	/	/
3.	20101004	MANIVANNAN.R	/	/	/	/	/	/
4.	20101005	MOHAMEDALAMEEN.R	/	/	/	/	/	/
5.	20101006	MOHAMMEDKAIF.S	/	/	/	/	/	/
6.	20101007	MURALI.M	/	/	/	/	/	/
7.	20101008	NANTHAKUMAR.A	/	/	/	/	/	/
8.	20101009	PUGALENDHI.A	/	/	/	/	/	/
9.	20101010	RADHA KRISHNAN.T	/	/	/	/	/	/
10.	20101011	RAGUL.D	/	/	/	/	/	/
11.	20101012	SANJAI.E	/	/	/	/	/	/
12.	20101013	SUSIGARAN.G	/	/	/	/	/	/
13.	20101014	THIRUMAL.A	/	/	/	/	/	/
14.	20101015	VIGNESHKUMAR.K	/	/	/	/	/	/
15.	20101017	VIMALRAJ.K	/	/	/	/	/	/
16.	20101018	YUVARAJ.R	/	/	/	/	/	/

Course Coordinator

HoD

PAAVAI ENGINEERING COLLEGE

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CERTIFICATE

OF COMPLETION

THIS IS TO CERTIFY THAT

NANTHAKUMAR.A

From III-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC601- COMPUTER AIDED ANALYSIS HYPERMESH Course 30Hrs From 27.03.2023 to 01.04.2023

Value Added Course for Acdemic Year 2022-23

Mr.K.Gokulnath	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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CERTIFICATE
OF COMPLETION

THIS IS TO CERTIFY THAT

THIRUMAL.A

From III-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC601- COMPUTER AIDED ANALYSIS HYPERMESH Course 30Hrs From 27.03.2023 to 01.04.2023

Value Added Course for Acdemic Year 2022-23

Mr.K.Gokulnath	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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CERTIFICATE
OF COMPLETION

THIS IS TO CERTIFY THAT

YUVARAJ.R

From III-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC601- COMPUTER AIDED ANALYSIS HYPERMESH Course 30Hrs From 27.03.2023 to 01.04.2023

Value Added Course for Acdemic Year 2022-23

Mr.K.Gokulnath	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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CERTIFICATE

OF COMPLETION

THIS IS TO CERTIFY THAT

ARSATHPARVEZ.M

From III-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC601- COMPUTER AIDED ANALYSIS HYPERMESH Course 30Hrs From 27.03.2023 to 01.04.2023

Value Added Course for Acdemic Year 2022-23

Mr.K.Gokulnath	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF AERONAUTICAL ENGINEERING

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "22AEVC701-UAV AND MAV OPERATIONS-ADVANCED" for Seventh semester students from 19.09.2022 to 24.09.2022. The interested students are asked to enroll their name to the course coordinator Dr.R.ARRAVIND HOD/AERO on or before date. (Spot registration can also be permitted).

Course Co-ordinator:1. Dr.R.ARRAVIND HOD/AERO

HEAD OF THE DEPARTMENT
DEPARTMENT OF AERONAUTICAL ENGINEERING
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
PACHAL, NAMAKKAL - 637 018

HOD/AERO

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

UAV AND MAV OPERATIONS-ADVANCED

ABOUT THE COURSE:

This course provides hands on experience on design, fabrication and flying of UAV category aircraft. Students will get in-depth skill set on design and fabrication techniques of UAV.

Who Can Join?

- II, III, IV Year of B.E,B.Tech– students
- Those who want to become a drone developers and pilots.

Need for UAV and MAV?

- Drone piloting can be a well-paying profession.
- It is the most popular course for Aeronautical Engineers.
- You have more job choices available to you.

Course Content:

1. Introduction to Avionics and navigation systems, Autopilot system
2. Introduction to Electro optical payload and other sensor payloads
3. Electro optical payload and other sensor payloads
4. Fabrication Techniques
5. Flight Trails and error rectification
6. Advanced real time applications of UAVs
7. R&D Projects

Date: 19.09.2022 to 24.09.2022

Venue:

Aircraft System Lab,
Aeronautical Engineering Block
Paavai Engineering college

Course Incharge

- Dr.R.ARRAVIND HOD/AERO

22AEVC701 UAV AND MAV OPERATIONS-ADVANCED

COURSE OBJECTIVES

To enable students to

- be put in for real time development projects
- solving various technical issues in the development

PROGRAMME CONTENT

1. Introduction to Avionics and navigation systems, Autopilot system
2. Introduction to Electro optical payload and other sensor payloads
3. Electro optical payload and other sensor payloads
4. Fabrication Techniques
5. Flight Trails and error rectification
6. Advanced real time applications of UAVs
7. R&D Projects

TOTAL PERIODS 30

COURSE OUTCOMES

Upon successful completion of this course, students will be able to

- bridge the gap between theoretical concepts learned in college and industry practices
- indulge in and complete real time industrial projects

TEXT BOOK & MANUALS

- https://ptgmedia.pearsoncmg.com/images/9780789755988/samplepages/9780789755988.pdf

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL -637 018
DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic Year 2022-2023

Attendance sheet

Year/Semester : IV/VII

Course Name : 22AEVC701- UAV AND MAV OPERATIONS-ADVANCED Date : 19.09.2022

S.No	Reg.No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22	24.09.22
1.	19101002	ARAVINDHAN.G	/	/	/	/	/	/
2.	19101005	ASHWIN BARATH.M.J	/	/	/	/	/	/
3.	19101006	ASWATH.J	/	/	/	/	/	/
4.	19101007	BASKAR.S	/	/	/	/	/	/
5.	19101008	BHARATHY.C	/	/	/	/	/	/
6.	19101009	BHUVANESHWARAN.G	/	/	/	/	/	/
7.	19101010	DHANAKODI.P	/	/	/	/	/	/
8.	19101011	DHILEEPAN.M	/	/	/	/	/	/
9.	19101013	EZHILARASAN.S	/	/	/	/	/	/
10.	19101014	GOWTHAM.C	/	/	/	/	/	/
11.	19101015	HARIHARAN.L	/	/	/	/	/	/
12.	19101016	JEEVA KUMAR.M	/	/	/	/	/	/
13.	19101017	JEEVANANDHAM.P	/	/	/	/	/	/
14.	19101018	KARTHICK.G	/	/	/	/	/	/
15.	19101019	MAHESH JOSEPH BESKY.A	AB	AB	AB	AB	AB	AB
16.	19101020	MEYYAZHAGI.S	/	/	/	/	/	/
17.	19101021	MOHAMED RASITH.S	/	/	/	/	/	/
18.	19101022	MONESH.H	/	/	/	/	/	/
19.	19101023	MORESHWARAN.A.C	/	/	/	/	/	/
20.	19101024	MUTHUKUMAR.K	/	/	/	/	/	/
21.	19101025	NAVINKUMAR.V	/	/	/	/	/	/
22.	19101026	NITHILBHARATH.B	/	/	/	/	/	/
23.	19101027	POOVARASAN.V	/	/	/	/	/	/
24.	19101028	PREMIGA.G	/	/	/	/	/	/
25.	19101029	RAJESH.S	/	/	/	/	/	/

26.	19101031	SANJAY.S	✓	✓	✓	✓	✓	✓
27.	19101032	SATHYA.M	✓	✓	✓	✓	✓	✓
28.	19101033	SELVABHARATHI.A	✓	✓	✓	✓	✓	✓
29.	19101034	SHARAN SHRI SUBASH.B	✓	✓	✓	✓	✓	✓
30.	19101035	SRIJA.A	✓	✓	✓	✓	✓	✓
31.	19101037	SUJEETHA.G	✓	✓	✓	✓	✓	✓
32.	19101038	THAMIZH.V	✓	✓	✓	✓	✓	✓
33.	19101039	THILEEP KUMAR.A	✓	✓	✓	✓	✓	✓
34.	19101040	VEERAPANDI.M	✓	✓	✓	✓	✓	✓
35.	19101041	VETRIVELAN.M	✓	✓	✓	✓	✓	✓
36.	19101042	VIGNESH.P	✓	✓	✓	✓	✓	✓
37.	19101043	VIJAYSUNDHAR.V	✓	✓	✓	✓	✓	✓
38.	19101044	VINITH SUBASH CHANDRA BOSE.S	✓	✓	✓	✓	✓	✓
39.	19101045	VISHNU.S	✓	✓	✓	✓	✓	✓
40.	19101046	VIVEK.M	✓	✓	✓	✓	✓	✓
41.	19101047	YOGEASWAR.P	✓	✓	✓	✓	✓	✓
42.	19101301	ABISHEK	✓	✓	✓	✓	✓	✓

Course Coordinator

HoD

PAAVAI ENGINEERING COLLEGE

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CERTIFICATE

OF COMPLETION

THIS IS TO CERTIFY THAT

VETRIVELAN.M

From IV-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC701- UAV AND MAV OPERATIONS-ADVANCED Course 30Hrs From 19.09.2022 to 24.09.2022

Value Added Course for Acdemic Year 2022-23

Dr.R.ARRAVIND	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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OF COMPLETION

THIS IS TO CERTIFY THAT

ASHWIN BARATH.M.J

From IV-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC701- UAV AND MAV OPERATIONS-ADVANCED Course 30Hrs From 19.09.2022 to 24.09.2022

Value Added Course for Acdemic Year 2022-23

Dr.R.ARRAVIND	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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CERTIFICATE

OF COMPLETION

THIS IS TO CERTIFY THAT

DHANAKODI.P

From IV-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC701- UAV AND MAV OPERATIONS-ADVANCED Course 30Hrs From 19.09.2022 to 24.09.2022

Value Added Course for Acdemic Year 2022-23

Dr.R.ARRAVIND	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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CERTIFICATE

OF COMPLETION

THIS IS TO CERTIFY THAT

PREMIGA.G

From IV-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC701- UAV AND MAV OPERATIONS-ADVANCED Course 30Hrs From 19.09.2022 to 24.09.2022

Value Added Course for Acdemic Year 2022-23

Dr.R.ARRAVIND	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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OF COMPLETION

THIS IS TO CERTIFY THAT

THILEEP KUMAR.A

From IV-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC701- UAV AND MAV OPERATIONS-ADVANCED Course 30Hrs From 19.09.2022 to 24.09.2022

Value Added Course for Acdemic Year 2022-23

Dr.R.ARRAVIND	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF AERONAUTICAL ENGINEERING

DATE: 20.03.2023

CIRCULAR

It is planned to conduct Five Days Value Added Course on "22AEVC801-COMPUTER AIDED ANALYSIS ANSYS" for Eighth semester students from 27.03.2023 to 01.04.2023. The interested students are asked to enroll their name to the course coordinator Mr.P.Prasanna,.AP/AERO on or before date. (Spot registration can also be permitted).

Course Co-ordinator:1. Mr.P.Prasanna AP/Aero

HEAD OF THE DEPARTMENT
DEPARTMENT OF AERONAUTICAL ENGINEERING
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
PACHAL, NAMAKKAL - 637 018

HOD/AERO

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

VALUE ADDED COURSE
ON
COMPUTER AIDED ANALYSIS ANSYS

ABOUT THE COURSE:

Ansys develops and markets engineering simulation software for use across the product life cycle. Ansys Mechanical finite element analysis software that has been extensively validated across a wide range of applications

Who Can Join?

- II, III, IV Year of B.E,B.Tech– students
- Those who want to become a Software Technician.
- The powerful professional aspirants.

Why ANSYS?

- User-Friendly Interface
- Single Window, Streamlined Workflow
- Parallel Capabilities for Meshing and Solving

Course Content:

Introduction to

- CFD
- MODELING
- MESHING

STRUCTURAL ANALYSIS

Date: 27.03.2023 to 01.04.2023

Venue:

Software lab,
Core Engineering Block
Paavai Engineering College

Course Incharge

- Mr.P.Prasanna AP/Aero,PEC

22AEVC801 **COMPUTER AIDED ANALYSIS ANSYS**

COURSE OBJECTIVES

To enable the students to

- Use basic and advanced features of Analysis
- Understand how CAE technology can be leveraged in the analysis process.

INTRODUCTION TO FEA & ANSYS

GUI, Basics & general analysis procedure.

MODELING

Creating Solid model, Finite element modeling and importing models, Select Entities and Component manager.

MESHING

Quad and Tetrahedron mesh, Volumes, Areas, Line meshing. Free and mapped meshing, check mesh.

STRUCTURAL ANALYSIS

Static, Modal, Harmonic, Spectrum, p-method, Nonlinear & Transient analysis.

THERMAL ANALYSIS

Steady state thermal analysis.

ANSYS WORKBENCH

Simulation, CFX Mesh, Engineering Data sheet and FE modeler.

TOTAL PERIODS **30**

COURSEOUTCOMES

Upon completion of this course the student will

- demonstrate competency with multiple analysis
- apply industry standards in the preparation of mechanical analysis

TEXT BOOK & MANUALS

- https://www.hpc.kaust.edu.sa/sites/default/files/files/public/ANSYS_Workshop/2017/5.ANSYS-Mechanical.pdf

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL -637 018
DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic Year 2022-2023

Attendance sheet

Year/Semester : IV/VIII

Course Name : 22AEVC801- COMPUTER AIDED ANALYSIS ANSYS Date : 27.03.2023

S.No	Reg.No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
1.	19101002	ARAVINDHAN.G	/	/	/	/	/	/
2.	19101005	ASHWIN BARATH.M.J	/	/	/	/	/	/
3.	19101006	ASWATH.J	/	/	/	/	/	/
4.	19101007	BASKAR.S	/	/	/	/	/	/
5.	19101008	BHARATHY.C	/	/	/	/	/	/
6.	19101009	BHUVANESHWARAN.G	/	/	/	/	/	/
7.	19101010	DHANAKODI.P	/	/	/	/	/	/
8.	19101011	DHILEEPAN.M	/	/	/	/	/	/
9.	19101013	EZHILARASAN.S	/	/	/	/	/	/
10.	19101014	GOWTHAM.C	/	/	/	/	/	/
11.	19101015	HARIHARAN.L	/	/	/	/	/	/
12.	19101016	JEEVA KUMAR.M	/	/	/	/	/	/
13.	19101017	JEEVANANDHAM.P	/	/	/	/	/	/
14.	19101018	KARTHICK.G	/	/	/	/	/	/
15.	19101019	MAHESH JOSEPH	AB	AB	AB	AB	AB	AB
16.	19101020	MEYYAZHAGI.S	/	/	/	/	/	/
17.	19101021	MOHAMED RASITH.S	/	/	/	/	/	/
18.	19101022	MONESH.H	/	/	/	/	/	/
19.	19101023	MORESHWARAN.A.C	/	/	/	/	/	/
20.	19101024	MUTHUKUMAR.K	/	/	/	/	/	/
21.	19101025	NAVINKUMAR.V	/	/	/	/	/	/
22.	19101026	NITHILBHARATH.B	/	/	/	/	/	/
23.	19101027	POOVARASAN.V	/	/	/	/	/	/
24.	19101028	PREMIGA.G	/	/	/	/	/	/
25.	19101029	RAJESH.S	/	/	/	/	/	/

26.	19101031	SANJAY.S						
27.	19101032	SATHYA.M						
28.	19101033	SELVABHARATHI.A						
29.	19101034	SHARAN SHRI SUBASH.B						
30.	19101035	SRIJA.A						
31.	19101037	SUJEETHA.G						
32.	19101038	THAMIZH.V						
33.	19101039	THILEEP KUMAR.A						
34.	19101040	VEERAPANDI.M						
35.	19101041	VETRIVELAN.M						
36.	19101042	VIGNESH.P						
37.	19101043	VIJAYSUNDHAR.V						
38.	19101044	VINITH SUBASH						
39.	19101045	VISHNU.S						
40.	19101046	VIVEK.M						
41.	19101047	YOGEASWAR.P						
42.	19101301	ABISHEK						

Course Coordinator

HoD

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CERTIFICATE
OF COMPLETION

THIS IS TO CERTIFY THAT

VIJAYSUNDHAR.V

From IV-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC801- COMPUTER AIDED ANALYSIS ANSYS Course 30Hrs From 27.03.2023 to 01.04.2023

Value Added Course for Acdemic Year 2022-23

Mr.P.Prasanna	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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CERTIFICATE
OF COMPLETION

THIS IS TO CERTIFY THAT

BHARATHY.C

From IV-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC801- COMPUTER AIDED ANALYSIS ANSYS Course 30Hrs From 27.03.2023 to 01.04.2023

Value Added Course for Acdemic Year 2022-23

Mr.P.Prasanna	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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CERTIFICATE
OF COMPLETION

THIS IS TO CERTIFY THAT

HARIHARAN.L

From IV-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC801- COMPUTER AIDED ANALYSIS ANSYS Course 30Hrs From 27.03.2023 to 01.04.2023

Value Added Course for Acdemic Year 2022-23

Mr.P.Prasanna	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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CERTIFICATE
OF COMPLETION

THIS IS TO CERTIFY THAT

JEEVA KUMAR.M

From IV-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC801- COMPUTER AIDED ANALYSIS ANSYS Course 30Hrs From 27.03.2023 to 01.04.2023

Value Added Course for Acdemic Year 2022-23

Mr.P.Prasanna	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

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CERTIFICATE
OF COMPLETION

THIS IS TO CERTIFY THAT

SATHYA.M

From IV-YEAR Department of Aeronautical Engineering has successfully completed 22AEVC801- COMPUTER AIDED ANALYSIS ANSYS Course 30Hrs From 27.03.2023 to 01.04.2023

Value Added Course for Acdemic Year 2022-23

Mr.P.Prasanna	Dr.R.ARRAVIND	Dr.M.PREMKUMAR
Course Co-ordinator	**HOD/AERO**	**PRINCIPAL**

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AGRICULTUE ENGINEERING

VALUE ADDED COURSE

22AIVC101 – AGRICULTURE HERITAGE

Course Content :-

- Impart knowledge on Values and traditional practices adopted in ancient India which are more relevant for present day system
- Know the importance of civilization.
- Know the Crop significances and classification, Indian agricultural concerns and future prospects.

Date : 19.09.2022 to 23.09.2022

Venue : T406

COURSE INCHARGE :-

1.B.Mano HOD/AGRI

2. A.Subashini, AP/AGRI

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22AIVC101 **AGRICULTURAL HERITAGE**

COURSE OBJECTIVES

To enable the students to

- impart knowledge on Values and traditional practices adopted in ancient India which are more relevant for present day system
- know the importance of civilization.
- know the Crop significances and classification, Indian agricultural concerns and future prospects.

UNIT I INTRODUCTION

Introduction of Indian agricultural heritage, Need and importance for studying Agricultural Heritage-Ancient agricultural practices, Palaeolithic age (old stone age), Mesolithic period, Neolithic Agricultural Revolution - Chalcolithic culture -(Bronze age) and Beginning of Agriculture in India: Archaeological and historical facts

UNIT II CIVILIZATION

Indus civilisation, Vedic civilization and Relevance of heritage to present day of agriculture-Status of farmers in the society during Indus, Vedic, Buddhist, Mauryan, Gupta and Sangam periods, commodity trade etc. and present status of
modern agriculture and farmer in society

UNIT III IMPORTANCE OF AGRICULTURE

Crop significances and classification -National agriculture setup in India -Indian agricultural concerns and future prospects -Importance of agriculture and agricultural recourses available in India i.e. land, weather, irrigation, labour, capital, market etc.

TOTAL PERIODS: 30

COURSE OUTCOME:

At the end of the course ,the students will be able to

- able to understand the heritage of agriculture and historical facts
- impart knowledge on various civilization
- acquire knowledge about the importance of agriculture.

TEXT BOOKS

1. S.R.Reddy , Agricultural Heritage
2. Y.L Nene Agricultural Heritage of India.

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PAAVAI ENGINEERING COLLEGE(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF AGRICULTURE ENGINEERING
ACADEMIC YEAR-2022-2023
VALUE ADDED COURSE
ATTENDENCE SHEET

YEAR/SEM: IV / VII
COURSE NAME: 22AIVC101 - AGRICULTURE HERITAGE

S.No	Register Number	Name of the Student					
1	19102001	AARTHI.R	/	/	/	/	/
2	19102003	ABIMANYU R	/	/	/	/	/
3	19102005	ABITHA.A	/	/	/	/	/
4	19102006	AISHWARYA.M.K	/	/	/	/	/
5	19102007	AJAY.K	/	/	/	/	/
6	19102008	AJAY.S	/	/	/	/	/
7	19102009	AJAY KUMAR.B	/	/	/	/	/
8	19102010	AKSHAYA VENU	/	/	/	/	/
9	19102011	ANGELEN SUDHA.T	/	/	/	/	/
10	19102012	ARAVIND.P	/	/	/	/	/
11	19102013	ARAVINDAN.K	/	/	/	/	/
12	19102015	ARULPANDI.A	/	/	/	/	/
13	19102016	ARYA.T.T	/	/	/	/	/
14	19102017	ASWIN MARIA JOSEPH.A	/	/	/	/	/
15	19102018	BALAJI.M	/	/	/	/	/
16	19102019	BALAJI.T	/	/	/	/	/
17	19102020	BALA MURUGAN.B	/	/	/	/	/
18	19102021	BHARANI.S	/	/	/	/	/
19	19102022	BHAVANKUMAR.G	/	/	/	/	/
20	19102023	BOOMIKA.M	/	/	/	/	/
21	19102024	CHANDRU.S	/	/	/	/	/
22	19102025	CHANDRU.S	/	/	/	/	/
23	19102026	DEENATHAYALAN.K	/	/	/	/	/
24	19102027	DEEPAK.K	/	/	/	/	/
25	19102028	DEEPIKA.R	/	/	/	/	/
26	19102029	DESHIKA S	/	/	/	/	/
27	19102030	DEVASRI.P	/	/	/	/	/
28	19102031	DHARANI.M	/	/	/	/	/
29	19102032	DHARMARAJ.S	/	/	/	/	/
30	19102033	DHEENA.S	/	/	/	/	/
31	19102034	DHINESH.S	/	/	/	/	/
32	19102035	DINAKARAN.I	/	/	/	/	/
33	19102036	DINESH KUMAR.S	/	/	/	/	/
34	19102038	ELANTHAMIL.M	/	/	/	/	/
35	19102039	EZHILARASAN.J	/	/	/	/	/
36	19102040	GAYATHRI.R	/	/	/	/	/
37	19102041	GAYATHRI.S	/	/	/	/	/
38	19102042	GOPAL.K	/	/	/	/	/
39	19102043	GOPALAKRISHNAN.S	/	/	/	/	/
40	19102044	GOPINATH S	/	/	/	/	/
41	19102045	HARIDASS.M	a	a	a	a	a
42	19102046	HARISH.D	/	/	/	/	/
43	19102047	HARIVARMA.S	/	/	/	/	/
44	19102048	HEMA.A	/	/	/	/	/
45	19102049	HEMANTHRAJ.K	/	/	/	/	/
46	19102050	HOSEMINRAJA.G	/	/	/	/	/
47	19102052	ISWARYA.V	/	/	/	/	/
48	19102053	JAGANATHAN.K	/	/	/	/	/
49	19102054	JANANIRAJ.T	/	/	/	/	/

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50	19102055	JAWAHAR.G					
51	19102056	JAYAGOPITHAN.G					
52	19102057	JAYAPRAKASH.R					
53	19102058	JAYASHREE.R					
54	19102060	KEERTHANA.N					
55	19102061	KIRUBALINI.J					
56	19102062	KOWSALYA P					
57	19102064	MAHALAKSHMI.D					
58	19102065	MAGESHWARAN					
59	19102066	MANGAIYARKARASI.M					
60	19102067	MEGHA.J.S					
61	19102068	MENAKA.M					
62	19102069	NAGILAN.V					
63	19102070	NAVEEN.B					
64	19102071	NITHEESHKUMAR.C					
65	19102072	NIXIA.S					
66	19102073	PANNEER SELVAM.B					
67	19102074	PARASURAMAN.M					
68	19102075	PAUL ANTONY.Y					
69	19102076	PAVITHRA.S					
70	19102077	POOVARASI.S					
71	19102079	PRASATH.S.V					
72	19102080	PRAVEEN RAJ.E					
73	19102081	PRAVEEN.E					
74	19102082	PRAVEENRAJ P					
75	19102084	RAGHUL.P					
76	19102085	RAGUL.S					
77	19102086	RAJA.C					
78	19102087	RANJITHKUMAR.M					
79	19102088	RITHIKA.P					
80	19102089	RIYA.K					
81	19102090	SAIFULLA					
82	19102091	SAMITHA.R	a	a	a	a	a
83	19102092	SANJAY.S					
84	19102093	SANTHIYA.V					
85	19102094	SANTHOSH.T					
86	19102095	SASIKABILAN.S					
87	19102097	SELVAKUMAR.S					
88	19102098	SHALINI.M.P					
89	19102099	SIVASAKTHI.S					
90	19102100	SNEHA.P					
91	19102101	SOWMIYA PRAGADEESWARI.G					
92	19102102	SOWNDHARYA.S.S					
93	19102103	SRIRAM.J					
94	19102104	STALIN.V					
95	19102105	STELLA.K					
96	19102106	SUBALAKSHMI.S					
97	19102107	SUBASREE.T.V					
98	19102108	SUDARSUN.S					
99	19102109	SUNDAR.G					
100	19102110	SUPRIYA.M					
101	19102111	SURIYAPERUMAL.S					
102	19102112	SURYA.P					
103	19102113	SWETHA.S					
104	19102114	THANEKAIVEL.K					
105	19102115	THARAKESH.T					
106	19102116	THENMOZHI.D					
107	19102117	UTHAYA KUMAR.R					
108	19102118	VAISHNAVI.G					
109	19102119	VAISHNAVI.R					

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110	19102120	VENGADESAN.E	/	/	/	/	/
111	19102121	VIGNESHWARAN.U	/	/	/	/	/
112	19102122	VINAYAK.M	/	/	/	/	/
113	19102123	VISHNUSHREE.T.S	/	/	/	/	/
114	19102124	YATHAVAKRISHNAN.M	/	/	/	/	/
115	19102125	YOGALAKSHMI.P	/	/	/	/	/
116	19102126	YUKESHWARAN.K	/	/	/	/	/
117	19102301	ANBARASU	/	/	/	/	/
118	19102501	HARIHARAN.G.V	/	/	/	/	/
119	19102502	YOUGESHRAGAVAN	/	/	/	/	/

HOD/AGRI

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

AJAY K

of Paavai Engineering College, studying in THIRD Year has successfully completed the 22AIVC101 AGRICULTURE HERITAGE course from 19.09.2022 to 23.09.2022

Course Coordinator

HOD

Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

DEEPAK K

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **22AIVC101 AGRICULTURE HERITAGE** course from 19.09.2022 to 23.09.2022

Course Coordinator

HOD

Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

GOPAL K

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **22AIVC101 AGRICULTURE HERITAGE** course from 19.09.2022 to 23.09.2022

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AGRICULTUE ENGINEERING

VALUE ADDED COURSE

22AIVC201 – FUNDAMENTALS OF RURAL SOCIOLOGY

Course Content :-

- Impart knowledge on agricultural extension
- Know the role of agricultural extension
- Know the educational psychology.

Date : 19.09.2022 to 23.09.2022

Venue : T406

COURSE INCHARGE :-

1.N.Naveenth HOD/AGRI

2.M.Bhuvaneswari , AP/AGRI

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22AIVC201 FUNDAMENTALS OF RURAL SOCIOLOGY

COURSE OBJECTIVES

To enable the students to

- impart knowledge on agricultural extension
- know the role of agricultural extension
- know the educational psychology.

UNIT I INTRODUCTION

Extension Education and Agricultural Extension – Meaning, Definition, Scope and Importance-Sociology and Rural Sociology-Meaning, Definition, Scope, Importance of Rural Sociology in Agricultural Extension and Interrelationship between Rural Sociology & Agricultural Extension.

UNIT II SOCIAL INSTITUTIONS, ORGANIZATIONS,AND CONTROL

Social Institutions – Meaning, Definition, Major institutions in Rural society, Functions and their Role in Agricultural Extension. Social Organizations – Meaning, Definition, Types of organizations and Role of Social organizations in Agricultural Extension.-Social Control – Meaning, Definition, Need of social control and Means of Social control.

UNIT III SOCIOLOGY

Social Values and Attitudes – Meaning, Definition, Types and Role of Social Values and Attitudes in Agricultural Extension. Social change – Meaning, Definition, Nature of Social change, Dimensions of social change and factors of social change

TOTAL PERIODS: 30

COURSE OUTCOME:

At the end of the course ,the students will be able to

- able to understand the agricultural extension
- impart knowledge on role of agricultural extension
- acquire knowledge about the Educational Psychology

TEXT BOOKS

1. K.Ponnusamy And Rajiv Baliram Kale, 2019-Icar Textbook of and Fundamentals Of Rural Sociology And Educational Psychology
2. Textbook of and Fundamentals of Rural Sociology and Educational Psychology By Kumar, M.L Meena2017.

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PAAVAI ENGINEERING COLLEGE(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF AGRICULTURE ENGINEERING
ACADEMIC YEAR-2022-2023
VALUE ADDED COURSE
ATTENDENCE SHEET

YEAR/SEM: III / V
COURSE NAME: 22AIVC201 - FUNDAMENTALS OF RURAL SOCIOLOGY

S.No	Register Number	Name of the Student					
1	20102001	ABDUL KAFEEL.S	/	/	/	/	/
2	20102002	ABINAYA.M	/	/	/	/	/
3	20102003	ABIRAMI.S	/	/	/	/	/
4	20102004	AISWARYA.A	/	/	/	/	/
5	20102005	AKSHAYA.R	/	/	/	/	/
6	20102006	ARAVINDH.G	/	/	/	/	/
7	20102007	ARTHI.B	/	/	/	/	/
8	20102008	ARTHI.M	/	/	/	/	/
9	20102010	ASHA.R	/	/	/	/	/
10	20102011	ASHOK KUMAR.A	/	/	/	/	/
11	20102012	BALAMURUGAN.M	/	/	/	/	/
12	20102013	BALASUBRAMANIAN.R	/	/	/	/	/
13	20102014	BOOBALAN.T	/	/	/	/	/
14	20102015	CHAMILI.U	/	/	/	/	/
15	20102016	CHINNAPPADOSS.P	/	/	/	/	/
16	20102017	CIBIRAAJ.N	/	/	/	/	/
17	20102018	DEEPAK RAJA.K	/	/	/	/	/
18	20102019	DHANALAKSHMI.A	/	/	/	/	/
19	20102020	DHANUSREE.G	/	/	/	/	/
20	20102022	DHASAPRAKASH.K	/	/	/	/	/
21	20102023	DHAYALAN.D	/	/	/	/	/
22	20102024	DHINESH.K	/	/	/	/	/
23	20102025	DHIVYA.K	/	/	/	/	/
24	20102026	DHIVYA.V	/	/	/	/	/
25	20102027	DHIVYADHARSHINI.M	/	/	/	/	/
26	20102028	DHIVYAPRABHA.P	/	/	/	/	/
27	20102029	DINESH.M	a	a	a	a	a
28	20102030	DIVYA.P.V	/	/	/	/	/
29	20102031	DIVYASHRITHA.M	/	/	/	/	/
30	20102032	DURGA NANDHINI.A	/	/	/	/	/
31	20102033	ELAIYARASU.M	/	/	/	/	/
32	20102034	GAYATHRI.E	/	/	/	/	/
33	20102035	GUNA.R	/	/	/	/	/
34	20102036	HANISHA.M.G	/	/	/	/	/
35	20102037	HANON JOS ALEX	/	/	/	/	/
36	20102038	HARIKARTHICK.R.R	/	/	/	/	/
37	20102040	HARISHMANO.K	/	/	/	/	/
38	20102041	HARISHWA.S	/	/	/	/	/
39	20102042	JANANI.T	/	/	/	/	/
40	20102043	JEEVA.M	/	/	/	/	/
41	20102044	JEEVANANDHAM.M	/	/	/	/	/
42	20102045	JEEVANANTHAM.M	/	/	/	/	/
43	20102046	KALAIBHARATHI.K	/	/	/	/	/
44	20102047	KAMALESHWARAN.A	/	/	/	/	/
45	20102048	KARTHICK.P	/	/	/	/	/
46	20102049	KARTHICK.V	/	/	/	/	/

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47	20102050	KAVIARASAN.S					
48	20102051	KAVINRAJ.S					
49	20102052	KAVIYA.S					
50	20102053	KAVYA.M					
51	20102054	KISHAN RAJ.R					
52	20102055	MADHUMITHA.R					
53	20102056	MAHESHKUMAR					
54	20102057	MALARVIZHI.J					
55	20102058	MANOJKUMAR.A					
56	20102059	MOULISHWARAN.R.N					
57	20102060	NANDHINI.V					
58	20102061	NANTHINI.S					
59	20102062	NARMADHA.A.V					
60	20102063	NEELAVENI.R					
61	20102064	NISHA.P					
62	20102067	OVIYA.R					
63	20102068	PARTHASARATHI.V					
64	20102069	PAVITHRA.T					
65	20102071	PRADEEP.A					
66	20102072	PRAKASH.B					
67	20102075	PRIYADHARSHINI.P					
68	20102076	RAJASAKTHEESWARAN.C					
69	20102077	RAMANA SELVI.S					
70	20102079	RAMKUMAR.R					
71	20102080	ROSHINI MAHIZHA.P					
72	20102081	RUTHRA.V					
73	20102082	SAJANARTHANAN.S					
74	20102083	SAIKARTHICK.S					
75	20102084	SAKTHIVEL.C					
76	20102085	SANDHEESH.K.R					
77	20102086	SANGEETHA KRISHNAN S					
78	20102087	SANJAY.S					
79	20102088	SASI.R					
80	20102089	SATHISKAR.N					
81	20102091	SATHYADARSHANA.K.K					
82	20102092	SELVAPRABHA.V					
83	20102093	SHARMILA.V					
84	20102095	SHIVANI.V					
85	20102097	SIVALINGAM.M					
86	20102098	SIVARAMAN.V					
87	20102099	SNEHA.C					
88	20102100	SNEHA.P					
89	20102101	SNEHA.S					
90	20102102	SOUNDARYA.R					
91	20102103	SOWMIYA.K					
92	20102104	SREEDHAR.M					
93	20102105	SRI PAVITHRA.P					
94	20102107	SRIDHAR.M					
95	20102108	SRIDHAR.N					
96	20102109	SRIMATHI.V					
97	20102110	STEPHEN XAVIER.L					
98	20102111	SUBASH.S					
99	20102112	SUBASRI.V					
100	20102113	SUBIKSHA.N					

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101	20102114	SUGIRTHA.S	/	/	/	/	/
102	20102115	SUTHIR.L	/	/	/	/	/
103	20102116	TAMIL VASUKI.P	/	/	/	/	/
104	20102117	THAMESHWARAN.S	/	/	/	/	/
105	20102118	THANGAM.P	/	/	/	/	/
106	20102119	THRIBHARATHI.R.S	/	/	/	/	/
107	20102121	VASIKA BARATHI.B	/	/	/	/	/
108	20102122	VASUDEVAN.T	/	/	/	/	/
109	20102123	VIGNESHWARAN.A	/	/	/	/	/
110	20102124	VIJAYABHARATHI.M	/	/	/	/	/
111	20102105	VIMAL RAJ.T	/	/	/	/	/
112	20102106	VISHWA.M	/	/	/	/	/
113	20102301	SARATHI.S	/	/	/	/	/

HOD/AGRI

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

JEEVA M

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **22AIVC201 FUNDAMENTALS OF RURAL SOCIOLOGY** course from 19.09.2022 to 23.09.2022

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

CHAMILI U

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **22AIVC201 FUNDAMENTALS OF RURAL SOCIOLOGY** course from 19.09.2022 to 23.09.2022

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

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NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

HANON JOS ALEX

of Paavai Engineering College, studying in THIRD Year has successfully completed the 22AIVC201 FUNDAMENTALS OF RURAL SOCIOLOGY course from 19.09.2022 to 23.09.2022

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AGRICULTUE ENGINEERING

VALUE ADDED COURSE

22AIVC301 – STORED GRAIN PEST AND THEIR MANAGEMENT

Course Content :-

- Learn the various pests, infesting the field crops and stored commodities.
- Learn the identification characteristics of various pests of field crops & stored grains and their typical infestation symptom
- Study the need-based management practices utilized for the management of various pests of field crops and stored commodities.

Date : 19.09.2022 to 23.09.2022

Venue : T 414

COURSE INCHARGE :-

1.K.S.Subha HOD/AGRI

2.C.Vignesh , AP/AGRI

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22AIVC301 STORED GRAIN PEST AND THEIR MANAGEMENT

COURSE OBJECTIVES

To enable the students to

- learn the various pests, infesting the field crops and stored commodities
- learn the identification characteristics of various pests of field crops & stored grains and their typical infestation symptom
- study the need-based management practices utilized for the management of various pests of field crops and stored commodities

UNIT I INTRODUCTION

Introduction to the concept of pests, damage and loss due to insects; classification of pests (Seasonal, regular, vector pests, sporadic etc.). Pests of Field crops like Rice, Wheat, Maize, Sorghum, Finger millet; Commercial crops: Sugarcane, Tobacco and Cotton

UNIT II PESTS IN FIELD CROPS

Insect pests of Pulses: Pea, Pigeon pea, Gram, Lentil, Rajmas, Cowpea, Soyabean, etc. Fibre crops: Cotton, Jute, Mesta. Oil seeds: Ground nut, Mustard, Sunflower, Safflower, Linseed, Sesamum and Castor; Green manure crops: Dhanicha. Non-insect pests, Rodents, Mites and Nematodes

UNIT III MANAGEMENT PRACTICES

Factors affecting losses of stored grain and role of physical, biological, mechanical and chemical factors in deterioration of grain. Insect pests, mites, rodents, birds and microorganisms associated with stored grain and their management. Storage structure and methods of grain storage and fundamental principles of grain store management

TOTAL PERIODS: 30

COURSE OUTCOME:

At the end of the course ,the students will be able to

- detect the real-time infestation in the field and stored commodities.
- identify various non-insect pests associated with field crops and stored grains
- manage insect pests by utilizing need-based management practices for the management of pests of field crops and stored grains.

TEXT BOOKS

1. Atwal, A.S. 1976. Agricultural Pests Of India And South East Asia. Kalyani Publishers, Ludhiana
2. Kumar, R., (2017). Insect Pests of Stored Grains. Tylor and Francis Groups, Florida USA. 978-1-77188.
3. David, B. B and Ramamurthy, V. V., (2016). Elements of Economic Entomology. Brillion Publishing House, New Delhi. 9780994869104.

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PAAVAI ENGINEERING COLLEGE(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF AGRICULTURE ENGINEERING
ACADEMIC YEAR-2022-2023
VALUE ADDED COURSE
ATTENDENCE SHEET

YEAR/SEM: II / III
COURSE NAME: 22AIVC301 - STORED GRAIN PEST AND THEIR MANAGEMENT

S.No	Register Number	Name of the Student					
1	622121102001	AJAY.S	/	/	/	/	/
2	622121102003	ARIVAZHAGAN.S	/	/	/	/	/
3	622121102004	ARULKUMAR.A	/	/	/	/	/
4	622121102005	AVANDHIKA.M	/	/	/	/	/
5	622121102006	BALAMANI.N	/	/	/	/	/
6	622121102007	BHRINDA.B	/	/	/	/	/
7	622121102009	DEEPAK.V	/	/	/	/	/
8	622121102010	DHANUSH RAM.B	/	/	/	/	/
9	622121102011	DHARANI.D	/	/	/	/	/
10	622121102012	DHINAKARAN.P	/	/	/	/	/
11	622121102013	DHIVYA.P	/	/	/	/	/
12	622121102014	DIVYA PRIYA.S	/	/	/	/	/
13	622121102015	DIVYAPRIYA.P	/	/	/	/	/
14	622121102016	ELAMATHI.V	/	/	/	/	/
15	622121102017	GOKULAVASAN.P	/	/	/	/	/
16	622121102018	GOPIKRISHNAN.R	/	/	/	/	/
17	622121102019	GOWTHAMI.S	/	/	/	/	/
18	622121102020	HARIHARAN.P	/	/	/	/	/
19	622121102021	HARIHARAN.S	/	/	/	/	/
20	622121102023	HARIPRIYA.P.S	/	/	/	/	/
21	622121102025	ILAYARAJA.B	/	/	/	/	/
22	622121102027	INDHUREKHA.M	/	/	/	/	/
23	622121102028	JANANI.K	/	/	/	/	/
24	622121102030	JAYARAMAPANDIYAN.G	/	/	/	/	/
25	622121102031	KALIYAPPAN.R	/	/	/	/	/
26	622121102032	KANISHKA.K	/	/	/	/	/
27	622121102034	KAVIN.K	/	/	/	/	/
28	622121102036	KISHORE.M	/	/	/	/	/
29	622121102037	KISHORE.R	/	/	/	/	/
30	622121102038	KOKILA.S	/	/	/	/	/
31	622121102039	KUMARAVEL.S	/	/	/	/	/
32	622121102041	LAVANYA.R	/	/	/	/	/
33	622121102042	LINGAM.R	/	/	/	/	/
34	622121102044	MAMALLAN.R	/	/	/	/	/
35	622121102046	MAYAKANNAN.K	/	/	/	/	/
36	622121102047	MIDHUNRAJ.R	/	/	/	/	/
37	622121102048	MOHAMED FAIZAL.A	/	/	/	/	/
38	622121102049	MONISHA.S	/	/	/	/	/
39	622121102050	MONISSH.S.R	/	/	/	/	/
40	622121102051	MOUNIKA.M	/	/	/	/	/
41	622121102052	MUTHU PRIYA.M	/	/	/	/	/
42	622121102053	NANDHINI.A	/	/	/	/	/
43	622121102055	NARESH.J	/	/	/	/	/
44	622121102056	NAVEEN KUMAR.S	/	/	/	/	/

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45	622121102057	NAVEENA NAVA BHARATHI.P.T					
46	622121102108	JAYA SHANTHI M					
47	622121102058	NIRANJANI.S					
48	622121102059	NIRMAL KUMAR.J					
49	622121102060	NISHAPRIYA.V					
50	622121102061	PACHAMUTHU P					
51	622121102062	PRADEEPA.M.S					
52	622121102063	PRADHAP.M					
53	622121102064	PRAKASHRAJ.C					
54	622121102066	PRAVEEN.G					
55	622121102067	PRAVEEN.R					
56	622121102068	PRAVEENKUMAR. M					
57	622121102069	PRAVEENKUMAR.S					
58	622121102070	PRITHIVIRAJ.P					
59	622121102071	PRIYANKA.R					
60	622121102072	PUNITH.M					
61	622121102073	RAJADURAI.A					
62	622121102075	RAMANI.K					
63	622121102076	RAMKI.S					
64	622121102077	RISHIK RAAGAV.R.S					
65	622121102079	SAKTHIVEL.M					
66	622121102080	SANDHIYA.R					
67	622121102081	SANTHOSH.S					
68	622121102082	SANTHOSHKUMAR.S (29.05.2004)					
69	622121102083	SANTHOSHKUMAR.S (12.10.2003)					
70	622121102084	SARGURU.C					
71	622121102085	SASIKUMAR.P					
72	622121102088	SIVANESAN.G					
73	622121102089	SIVASANKAR.M					
74	622121102090	SOWNDARYA.M					
75	622121102091	SRI VELMURUGADASS.R					
76	622121102092	SRIPRIYAN.K					
77	622121102093	SUBASH.A					
78	622121102094	SUDHAN.S					
79	622121102095	SUREKA.E					
80	622121102096	SUVATHI.E					
81	622121102097	TAMILAN.S					
82	622121102098	TAMILARASAN.S					
83	622121102099	TAMIZHMATHY.P					
84	622121102100	VASAUDEVAN.S					
85	622121102101	VENKATESH.T					
86	622121102102	VIGNESH.M (08-08-2003)					
87	622121102103	VIGNESH.M (02-08-2003)					
88	622121102104	VIGNESH.R					
89	622121102105	VINOTH.A					
90	622121102106	VIVEDHA.M					
91	622121102303	CHANDRAKAS R K					
92	622121102304	HANISH M					
93	622121102305	POOJA M					

HOD/AGRI

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

AJAY S

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **22AIVC301 STORED GRAIN PEST AND THEIR MANAGEMENT** course from 19.09.2022 to 23.09.2022

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

DHARANI D

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **22AIVC301 STORED GRAIN PEST AND THEIR MANAGEMENT** course from 19.09.2022 to 23.09.2022

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

DHASAPRAKASH K

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **22AIVC301 STORED GRAIN PEST AND THEIR MANAGEMENT** course from 19.09.2022 to 23.09.2022

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AGRICULTUE ENGINEERING

VALUE ADDED COURSE

22AIVC401 – PROBLEMATIC SOIL AND THEIR MANAGEMENT

Course Content :-

- Know about the soil and different problem occur during cultivation.
- Identify the problem and what are the reclamation method requires improving the soil health
- Different method to improve soil fertility, that necessary to improve the yield.

Date : 27.3.23 TO 1.4.23

Venue : T 407

COURSE INCHARGE :-

1. Dr.R.Ajay Kumar, HOD/AGRI
2. P.Suresh Kumar , AP/AGRI

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22AIVC401 PROBLEMATIC SOILS AND THEIR MANAGEMENT

COURSE OBJECTIVES

To enable the students to

- know about the soil and different problem occur during cultivation.
- identify the problem and what are the reclamation method requires improving the soil health
- different method to improve soil fertility, that necessary to improve the yield.

UNIT: I PROBLEM SOIL

Soil quality and health, Distribution of Waste land and problem soils in India. Their categorization based on properties. Reclamation and management of Saline and sodic soils, Acid soils, Acid Sulphate soils, Eroded and Compacted soils, Flooded soils, Polluted soils.

UNIT: II QUALITY OF IRRIGATION

Irrigation water – quality and standards, utilization of saline water in agriculture. Remote sensing and GIS in diagnosis and management of problem soils

UNIT: III BIO REMEDIATION

Multipurpose tree species, bio remediation through MPTs of soils, land capability and classification, land suitability classification. Problematic soils under different Agro eco systems.

TOTAL PERIODS: 30

COURSE OUTCOME:

At the end of the course ,the students will be able to

- identify about different problem occur during cultivation.
- impart knowledge reclamation method which will improve the soil health
- acquire knowledge about various method to improve soil fertility.

TEXT BOOKS

1. Text book of Soil Science. Tata Mc Graw- Hill Publishing Company Limited, New Delhi
2. Soil chemical analysis, Prentice Hall of India Private Limited, New Delhi.

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PAAVAI ENGINEERING COLLEGE(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF AGRICULTURE ENGINEERING
ACADEMIC YEAR-2022-2023
VALUE ADDED COURSE
ATTENDENCE SHEET

YEAR/SEM: IV/VII
COURSE NAME: 22AIVC401 Problematic soil & Heri Management

S.No	Register Number	Name of the Student					
1	19102001	AARTHI.R	/	/	/	/	/
2	19102003	ABIMANYU R	/	/	/	/	/
3	19102005	ABITHA.A	/	/	/	/	/
4	19102006	AISHWARYA.M.K	/	/	/	/	/
5	19102007	AJAY.K	/	/	/	/	/
6	19102008	AJAY.S	/	/	/	/	/
7	19102009	AJAY KUMAR.B	/	/	/	/	/
8	19102010	AKSHAYA VENU	/	/	/	/	/
9	19102011	ANGELEN SUDHA.T	/	/	/	/	/
10	19102012	ARAVIND.P	/	/	/	/	/
11	19102013	ARAVINDAN.K	/	/	/	/	/
12	19102015	ARULPANDI.A	/	/	/	/	/
13	19102016	ARYA.T.T	/	/	/	/	/
14	19102017	ASWIN MARIA JOSEPH.A	/	/	/	/	/
15	19102018	BALAJI.M	/	/	/	/	/
16	19102019	BALAJI.T	/	/	/	/	/
17	19102020	BALA MURUGAN.B	/	/	/	/	/
18	19102021	BHARANI.S	/	/	/	/	/
19	19102022	BHAVANKUMAR.G	/	/	/	/	/
20	19102023	BOOMIKA.M	/	/	/	/	/
21	19102024	CHANDRU.S	/	/	/	/	/
22	19102025	CHANDRU.S	/	/	/	/	/
23	19102026	DEENATHAYALAN.K	/	/	/	/	/
24	19102027	DEEPAK.K	/	/	/	/	/
25	19102028	DEEPIKA.R	/	/	/	/	/
26	19102029	DESHIKA S	/	/	/	/	/
27	19102030	DEVASRI.P	/	/	/	/	/
28	19102031	DHARANI.M	/	/	/	/	/
29	19102032	DHARMARAJ.S	/	/	/	/	/
30	19102033	DHEENA.S	/	/	/	/	/
31	19102034	DHINESH.S	/	/	/	/	/
32	19102035	DINAKARAN.I	/	/	/	/	/
33	19102036	DINESH KUMAR.S	/	/	/	/	/
34	19102038	ELANTHAMIL.M	/	/	/	/	/
35	19102039	EZHILARASAN.J	a	a	a	a	a
36	19102040	GAYATHRI.R	/	/	/	/	/
37	19102041	GAYATHRI.S	/	/	/	/	/
38	19102042	GOPAL.K	/	/	/	/	/
39	19102043	GOPALAKRISHNAN.S	/	/	/	/	/
40	19102044	GOPINATH S	/	/	/	/	/
41	19102045	HARIDASS.M	/	/	/	/	/
42	19102046	HARISH.D	/	/	/	/	/
43	19102047	HARIVARMA.S	/	/	/	/	/
44	19102048	HEMA.A	/	/	/	/	/
45	19102049	HEMANTHRAJ.K	/	/	/	/	/
46	19102050	HOSEMINRAJA.G	/	/	/	/	/
47	19102052	ISWARYA.V	/	/	/	/	/
48	19102053	JAGANATHAN.K	/	/	/	/	/
49	19102054	JANANIRAI.T	/	/	/	/	/

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50	19102055	JAWAHAR.G					
51	19102056	JAYAGOPITHAN.G					
52	19102057	JAYAPRAKASH.R					
53	19102058	JAYASHREE.R					
54	19102060	KEERTHANA.N					
55	19102061	KIRUBALINI.J					
56	19102062	KOWSALYA P					
57	19102064	MAHALAKSHMI.D					
58	19102065	MAGESHWARAN					
59	19102066	MANGAIYARKARASI.M					
60	19102067	MEGHA.J.S					
61	19102068	MENAKA.M					
62	19102069	NAGILAN.V					
63	19102070	NAVEEN.B					
64	19102071	NITHEESHKUMAR.C					
65	19102072	NIXIA.S					
66	19102073	PANNEER SELVAM.B					
67	19102074	PARASURAMAN.M					
68	19102075	PAUL ANTONY.Y					
69	19102076	PAVITHRA.S					
70	19102077	POOVARASI.S					
71	19102079	PRASATH.S.V					
72	19102080	PRAVEEN RAJ.E					
73	19102081	PRAVEEN.E					
74	19102082	PRAVEENRAJ P					
75	19102084	RAGHUL.P					
76	19102085	RAGUL.S					
77	19102086	RAJA.C					
78	19102087	RANJITHKUMAR.M					
79	19102088	RITHIKA.P					
80	19102089	RIYA.K	a	a	a	a	a
81	19102090	SAIFULLA					
82	19102091	SAMITHA.R					
83	19102092	SANJAY.S					
84	19102093	SANTHIYA.V					
85	19102094	SANTHOSH.T					
86	19102095	SASIKABILAN.S					
87	19102097	SELVAKUMAR.S					
88	19102098	SHALINI.M.P					
89	19102099	SIVASAKTHI.S					
90	19102100	SNEHA.P					
91	19102101	SOWMIYA PRAGADEESWARI.G					
92	19102102	SOWNDHARYA.S.S					
93	19102103	SRIRAM.J					
94	19102104	STALIN.V					
95	19102105	STELLA.K					
96	19102106	SUBALAKSHMI.S					
97	19102107	SUBASREE.T.V					
98	19102108	SUDARSUN.S					
99	19102109	SUNDAR.G					
100	19102110	SUPRIYA.M					
101	19102111	SURIYAPERUMAL.S					
102	19102112	SURYA.P					
103	19102113	SWETHA.S					
104	19102114	THANEKAIVEL.K					
105	19102115	THARAKESH.T					
106	19102116	THENMOZHI.D					
107	19102117	UTHAYA KUMAR.R					
108	19102118	VAISHNAVI.G					
109	19102119	VAISHNAVI.R					

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110	19102120	VENGADESAN.E	/	/	/	/	/
111	19102121	VIGNESHWARAN.U	/	/	/	/	/
112	19102122	VINAYAK.M	/	/	/	/	/
113	19102123	VISHNUSHREE.T.S	/	/	/	/	/
114	19102124	YATHAVAKRISHNAN.M	/	/	/	/	/
115	19102125	YOGALAKSHMI.P	/	/	/	/	/
116	19102126	YUKESHWARAN.K	/	/	/	/	/
117	19102301	ANBARASU	/	/	/	/	/
118	19102501	HARIHARAN.G.V	/	/	/	/	/
119	19102502	YOUGESHRAGAVAN	/	/	/	/	/

HOD/AGRI

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

BALA MURUGAN B

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **22AIVC401**

PROBLEMATIC SOIL AND THEIR MANAGEMENT course from 27.3.23 TO 1.4.23

Course Coordinator | HOD | Principal

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Department of Agriculture Engineering

CERTIFICATE

This is to certify

AARTHI R

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **22AIVC401**

PROBLEMATIC SOIL AND THEIR MANAGEMENT course from 27.3.23 TO 1.4.23

Course Coordinator

HOD

Principal

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(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

HARISH D

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **22AIVC401**

PROBLEMATIC SOIL AND THEIR MANAGEMENT course from 27.3.23 TO 1.4.23

Course Coordinator

HOD

Principal

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AGRICULTUE ENGINEERING

VALUE ADDED COURSE

22AIVC501 – MANAGEMENT OF BENEFICIAL INSECTS

Course Content :-

- To impart the knowledge about beneficial insect in agriculture .
- To know the importance of commercialization
- To learn the strategies about rearing of silkworm

Date : 27.3.23 TO 1.4.23

Venue : T414

COURSE INCHAGRE :-

1. P.Vadivel, AP/Agri

2 .S.R.Ranjith , AP/AGRI

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22AIVC501 MANAGEMENT OF BENEFICIAL INSECTS

COURSE OBJECTIVES

To enable the students to

- impart the knowledge about beneficial insect in agriculture
- know the importance of commercialization
- learn the strategies about rearing of silkworm

UNIT 1 INTRODUCTION TO BENEFICAL INSECTS

Importance of beneficial insects in Agriculture, Honeybee, Silkworm, Lac insects- Bioagents as natural enemies, Various Institutes related to beneficial insects.Introduction and history of Beekeeping -Bee keeping, morphology- anatomy-bee biology, Pollinating plants and their cycle, bee conservation.

UNIT II MANAGEMENT OF INSECTS

Commercial methods of bee rearing, equipment used, seasonal management of bees-Bee hives and their description, Bee pasturage, bee foraging, behaviour and communication Enemies- Insect pests and diseases of honey bee and their management.

UNIT III REARING OF SERICULTURE

Related terminologies, History and development of silkworms in India, types of silkworm - voltinism and biology of silkworm Mulberry cultivation,- crop varieties - method of harvesting and preservation of mulberry leaves Rearing house and rearing appliances of mulberry silkworm .

TOTAL PERIODS: 30

COURSE OUTCOME:

At the end of the course ,the students will be able to

- identify different types of beneficial insects
- gain knowledge on commericial methods and enterprenurship
- gaining knowledge about mulberry cultivation

Text books

1) K.P. Srivastava. A Text Book on Applied Entomology. Vol. I & II, KalyaniPublishers, Ludhiana
2) B.R. David and V.V. Ramamurthy. Elements of Economic Entomology, 7th Edn. Namrutha Publications, Chennai

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PAAVAI ENGINEERING COLLEGE(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF AGRICULTURE ENGINEERING
ACADEMIC YEAR-2022-2023
VALUE ADDED COURSE
ATTENDENCE SHEET

YEAR/SEM: III / VI
COURSE NAME: 22AIVC501 - MANAGEMENT OF BENEFICIAL INSECTS

S.No	Register Number	Name of the Student					
1	20102001	ABDUL KAFEEL.S	/	/	/	/	/
2	20102002	ABINAYA.M	/	/	/	/	/
3	20102003	ABIRAMI.S	/	/	/	/	/
4	20102004	AISWARYA.A	/	/	/	/	/
5	20102005	AKSHAYA.R	/	/	/	/	/
6	20102006	ARAVINDH.G	/	/	/	/	/
7	20102007	ARTHI.B	/	/	/	/	/
8	20102008	ARTHI.M	/	/	/	/	/
9	20102010	ASHA.R	/	/	/	/	/
10	20102011	ASHOK KUMAR.A	/	/	/	/	/
11	20102012	BALAMURUGAN.M	/	/	/	/	/
12	20102013	BALASUBRAMANIAN.R	/	/	/	/	/
13	20102014	BOOBALAN.T	/	/	/	/	/
14	20102015	CHAMILI.U	/	/	/	/	/
15	20102016	CHINNAPPADOSS.P	/	/	/	/	/
16	20102017	CIBIRAAJ.N	/	/	/	/	/
17	20102018	DEEPAK RAJA.K	/	/	/	/	/
18	20102019	DHANALAKSHMI.A	/	/	/	/	/
19	20102020	DHANUSREE.G	/	/	/	/	/
20	20102022	DHASAPRAKASH.K	/	/	/	/	/
21	20102023	DHAYALAN.D	/	/	/	/	/
22	20102024	DHINESH.K	/	/	/	/	/
23	20102025	DHIVYA.K	/	/	/	/	/
24	20102026	DHIVYA.V	/	/	/	/	/
25	20102027	DHIVYADHARSHINI.M	/	/	/	/	/
26	20102028	DHIVYAPRABHA.P	/	/	/	/	/
27	20102029	DINESH.M	/	/	/	/	/
28	20102030	DIVYA.P.V	/	/	/	/	/
29	20102031	DIVYASHRITHA.M	/	/	/	/	/
30	20102032	DURGA NANDHINI.A	/	/	/	/	/
31	20102033	ELAIYARASU.M	/	/	/	/	/
32	20102034	GAYATHRI.E	/	/	/	/	/
33	20102035	GUNA.R	/	/	/	/	/
34	20102036	HANISHA.M.G	/	/	/	/	/
35	20102037	HANON JOS ALEX	/	/	/	/	/
36	20102038	HARIKARTHICK.R.R	/	/	/	/	/
37	20102040	HARISHMANO.K	/	/	/	/	/
38	20102041	HARISHWA.S	/	/	/	/	/
39	20102042	JANANI.T	/	/	/	/	/
40	20102043	JEEVA.M	/	/	/	/	/
41	20102044	JEEVANANDHAM.M	/	/	/	/	/
42	20102045	JEEVANANTHAM.M	/	/	/	/	/
43	20102046	KALAIBHARATHI.K	/	/	/	/	/
44	20102047	KAMALESHWARAN.A	/	/	/	/	/
45	20102048	KARTHICK.P	/	/	/	/	/
46	20102049	KARTHICK.V	/	/	/	/	/

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47	20102050	KAVIARASAN.S					
48	20102051	KAVINRAJ.S					
49	20102052	KAVIYA.S					
50	20102053	KAVYA.M					
51	20102054	KISHAN RAJ.R					
52	20102055	MADHUMITHA.R					
53	20102056	MAHESHKUMAR					
54	20102057	MALARVIZHI.J					
55	20102058	MANOJKUMAR.A					
56	20102059	MOULISHWARAN.R.N					
57	20102060	NANDHINI.V					
58	20102061	NANTHINI.S					
59	20102062	NARMADHA.A.V					
60	20102063	NEELAVENI.R					
61	20102064	NISHA.P					
62	20102067	OVIYA.R					
63	20102068	PARTHASARATHI.V					
64	20102069	PAVITHRA.T					
65	20102071	PRADEEP.A					
66	20102072	PRAKASH.B					
67	20102075	PRIYADHARSHINI.P					
68	20102076	RAJASAKTHEESWARAN.C					
69	20102077	RAMANA SELVI.S					
70	20102079	RAMKUMAR.R					
71	20102080	ROSHINI MAHIZHA.P					
72	20102081	RUTHRA.V					
73	20102082	SAIJANARTHANAN.S					
74	20102083	SAIKARTHICK.S					
75	20102084	SAKTHIVEL.C					
76	20102085	SANDHEESH.K.R					
77	20102086	SANGEETHA KRISHNAN S					
78	20102087	SANJAY.S					
79	20102088	SASI.R					
80	20102089	SATHISKAR.N					
81	20102091	SATHYADARSHANA.K.K					
82	20102092	SELVAPRABHA.V					
83	20102093	SHARMILA.V					
84	20102095	SHIVANI.V					
85	20102097	SIVALINGAM.M					
86	20102098	SIVARAMAN.V					
87	20102099	SNEHA.C					
88	20102100	SNEHA.P					
89	20102101	SNEHA.S					
90	20102102	SOUNDARYA.R					
91	20102103	SOWMIYA.K					
92	20102104	SREEDHAR.M					
93	20102105	SRI PAVITHRA.P	a	a	a	a	a
94	20102107	SRIDHAR.M					
95	20102108	SRIDHAR.N					
96	20102109	SRIMATHI.V					
97	20102110	STEPHEN XAVIER.L					
98	20102111	SUBASH.S					
99	20102112	SUBASRI.V					
100	20102113	SUBIKSHA.N					

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101	20102114	SUGIRTHA.S	/	/	/	/	/
102	20102115	SUTHIR.L	/	/	/	/	/
103	20102116	TAMIL VASUKI.P	/	/	/	/	/
104	20102117	THAMESHWARAN.S	/	/	/	/	/
105	20102118	THANGAM.P	/	/	/	/	/
106	20102119	THRIBHARATHI.R.S	/	/	/	/	/
107	20102121	VASIKA BARATHI.B	/	/	/	/	/
108	20102122	VASUDEVAN.T	/	/	/	/	/
109	20102123	VIGNESHWARAN.A	/	/	/	/	/
110	20102124	VIJAYABHARATHI.M	/	/	/	/	/
111	20102123	VIMAL RAJ.T	/	/	/	/	/
112	20102124	VISHWA.M	/	/	/	/	/
113	20102301	SARATHI.S	/	/	/	/	/

HOD/AGRI

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

DHANUSHREE G

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **22AIVC501**

MANAGEMENT OF BENEFICIAL INSECTS course from 27.3.23 TO 1.4.23

Course Coordinator | HOD | Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

GUNA R

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **22AIVC501**

MANAGEMENT OF BENEFICIAL INSECTS course from 27.3.23 TO 1.4.23

Course Coordinator | HOD | Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

DHASAPRAKASH K

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **22AIVC501**

MANAGEMENT OF BENEFICIAL INSECTS course from 27.3.23 TO 1.4.23

Course Coordinator | HOD | Principal

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AGRICULTUE ENGINEERING

VALUE ADDED COURSE

22AIVC601 – MANURES, FERTILIZERS AND BIO FERTILIZERS

Course Content :-

- Know about broad idea about the manures, importance of manures, different types of manures.
- Gain knowledge on fertilizers, types of fertilizers, their nutrient contents, learn different method to improve soil fertility, that necessary to improve the yield.
- Understand various method of manufacturing and their reaction in soil, FCO and fertilizer storage will be of much useful both at field level as well as in the industry

Date : 27.3.23 TO 1.4.23

Venue : T414

COURSE INCHARGE :-

1. G.SOWNDARYA , AP/AGRI
2. A.MEIGNANAMOORTHI, AP/AGRI

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22AIVC601 MANURES, FERTILIZERS AND BIO FERTILIZERS

COURSE OBJECTIVES

To enable the students to

- know about broad idea about the manures, importance of manures, different types of manures.
- gain knowledge on fertilizers, types of fertilizers, their nutrient contents, learn different method to improve soil fertility, that necessary to improve the yield.
- understand various method of manufacturing and their reaction in soil, FCO and fertilizer storage will be of much useful both at field level as well as in the industry

UNIT I MANURES

Definition – types – composition and value – sources and production of manures –Compost-Different composting technologies-Mechanical compost plants-Vermicomposting-Green manures-Oilcakes-Sewage sludge-Biogas plant slurry-Plant and animal refuges.

UNIT II FERTILIZERS-CLASSIFICATION

Nitrogenous, phosphatic and potassic fertilizers- Organic N forms, Synthetic N fertilizers- P fertilizer sources – processing rock phosphate, bones for bone meal preparation- basic slag – preparation of single, triple super phosphate and thermo-phosphate- K fertilizer – natural sources – manufacturing of potassium chloride, potassium sulphate and potassium nitrate

UNIT III MIXED AND COMPLEX FERTILIZERS:

Sources and compatibility – preparation of major,secondary and micronutrient mixtures. Complex fertilizers – manufacturing of ammonium phosphates, nitro phosphates and NPK complexes. Biofertilizers and their advantage-Fertilizer control order and fertilizer storage

TOTAL PERIODS: 30

COURSE OUTCOME:

At the end of the course ,the students will be able to

- identify different types of manures.
- gain knowledge on fertilizers, types of fertilizers, their nutrient contents
- learnt various method of manufacturing and their reaction in soil

TEXTBOOKS

1. Buchel, K. H. 1983 Chemistry of pesticides. John Wiley and Sons New York.
2. Collings G. H. 1955 Commercial Fertilizers. Mc Graw Hill Publishing Co. New York.

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PAAVAI ENGINEERING COLLEGE(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF AGRICULTURE ENGINEERING
ACADEMIC YEAR-2022-2023
VALUE ADDED COURSE
ATTENDENCE SHEET

YEAR/SEM: II / IV
COURSE NAME: 22AIVC601 - MANURES, FERTILIZER AND BIO FERTILIZER.

S.No	Register Number	Name of the Student					
1	622121102001	AJAY.S					
2	622121102003	ARIVAZHAGAN.S					
3	622121102004	ARULKUMAR.A					
4	622121102005	AVANDHIKA.M					
5	622121102006	BALAMANI.N					
6	622121102007	BHRINDA.B					
7	622121102009	DEEPAK.V					
8	622121102010	DHANUSH RAM.B					
9	622121102011	DHARANI.D					
10	622121102012	DHINAKARAN.P					
11	622121102013	DHIVYA.P					
12	622121102014	DIVYA PRIYA.S					
13	622121102015	DIVYAPRIYA.P					
14	622121102016	ELAMATHI.V					
15	622121102017	GOKULAVASAN.P					
16	622121102018	GOPIKRISHNAN.R					
17	622121102019	GOWTHAMI.S					
18	622121102020	HARIHARAN.P					
19	622121102021	HARIHARAN.S					
20	622121102023	HARIPRIYA.P.S					
21	622121102025	ILAYARAJA.B					
22	622121102027	INDHUREKHA.M					
23	622121102028	JANANI.K					
24	622121102030	JAYARAMAPANDIYAN.G					
25	622121102031	KALIYAPPAN.R					
26	622121102032	KANISHKA.K					
27	622121102034	KAVIN.K					
28	622121102036	KISHORE.M					
29	622121102037	KISHORE.R					
30	622121102038	KOKILA.S					
31	622121102039	KUMARAVEL.S					
32	622121102041	LAVANYA.R					
33	622121102042	LINGAM.R					
34	622121102044	MAMALLAN.R					
35	622121102046	MAYAKANNAN.K					
36	622121102047	MIDHUNRAJ.R					
37	622121102048	MOHAMED FAIZAL.A					
38	622121102049	MONISHA.S					
39	622121102050	MONISSH.S.R					
40	622121102051	MOUNIKA.M					
41	622121102052	MUTHU PRIYA.M					
42	622121102053	NANDHINI.A					
43	622121102055	NARESH.J					
44	622121102056	NAVEEN KUMAR.S					

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45	622121102057	NAVEENA NAVA BHARATHI.P.T					
46	622121102108	JAYA SHANTHI M					
47	622121102058	NIRANJANI.S					
48	622121102059	NIRMAL KUMAR.J					
49	622121102060	NISHAPRIYA.V					
50	622121102061	PACHAMUTHU P					
51	622121102062	PRADEEPA.M.S					
52	622121102063	PRADHAP.M					
53	622121102064	PRAKASHRAJ.C					
54	622121102066	PRAVEEN.G					
55	622121102067	PRAVEEN.R					
56	622121102068	PRAVEENKUMAR. M					
57	622121102069	PRAVEENKUMAR.S					
58	622121102070	PRITHIVIRAJ.P					
59	622121102071	PRIYANKA.R					
60	622121102072	PUNITH.M					
61	622121102073	RAJADURAI.A					
62	622121102075	RAMANI.K					
63	622121102076	RAMKI.S					
64	622121102077	RISHIK RAAGAV.R.S					
65	622121102079	SAKTHIVEL.M					
66	622121102080	SANDHIYA.R					
67	622121102081	SANTHOSH.S					
68	622121102082	SANTHOSHKUMAR.S (29.05.2004)					
69	622121102083	SANTHOSHKUMAR.S (12.10.2003)					
70	622121102084	SARGURU.C					
71	622121102085	SASIKUMAR.P					
72	622121102088	SIVANESAN.G					
73	622121102089	SIVASANKAR.M					
74	622121102090	SOWNDARYA.M					
75	622121102091	SRI VELMURUGADASS.R					
76	622121102092	SRIPRIYAN.K					
77	622121102093	SUBASH.A					
78	622121102094	SUDHAN.S					
79	622121102095	SUREKA.E					
80	622121102096	SUVATHI.E					
81	622121102097	TAMILAN.S					
82	622121102098	TAMILARASAN.S					
83	622121102099	TAMIZHMATHY.P					
84	622121102100	VASAUDEVAN.S					
85	622121102101	VENKATESH.T					
86	622121102102	VIGNESH.M (08-08-2003)					
87	622121102103	VIGNESH.M (02-08-2003)					
88	622121102104	VIGNESH.R					
89	622121102105	VINOTH.A					
90	622121102106	VIVEDHA.M					
91	622121102303	CHANDRAKAS R K					
92	622121102304	HANISH M					
93	622121102305	POOJA M					

HOD/AGRI

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PAAVAI ENGINEERING COLLEGE

(Autonomous)
NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

JAYARAMAPANDIYAN G

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **22AIVC601 MANURES, FERTILIZERS & BIO FERTILIZERS** course from 27.3.23 TO 1.4.23

Course Coordinator | HOD | Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Agriculture Engineering

CERTIFICATE

This is to certify

MONISSH S R

of Paavai Engineering College, studying in **FINAL Year** has successfully completed **22AIVC601 MANURES, FERTILIZERS & BIO FERTILIZERS** course from **27.3.23 TO 1.4.23**

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)
NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

KISHORE R

of Paavai Engineering College, studying in **SECOND Year** has successfully completed **22AIVC601 MANURES, FERTILIZERS & BIO FERTILIZERS** course from **27.3.23 TO 1.4.23**

Course Coordinator | HOD | Principal

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 08.03.2023

CIRCULAR

It is planned to conduct Five days training course on "**19BMVC401 - Internet of Things**" for 4th semester students from 27.3.2023 to 1.04.2023. The interested students are asked to enrol their name to the course coordinator Mr. S. PRAVEENA, AP/BME on or before 16.03.2023

COPY TO: NOTICE BOARD

HOD

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE

19BMVC401- INTERNET OF THINGS

COURSE CONTENT

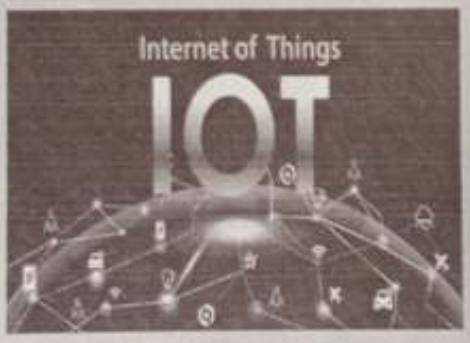
Module 1: Embedded system product development cycle

Module 2: Formalisms in system modeling

Module 3: IOT architecture reference model

Module 4: IOT communication architecture

Module 5: IOT architecture standards



DATE: 27.03.2023 – 01.04.2023

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Mr. S.PRAVEENA, AP/BME

21BMVC301 BASIC ELECTRONIC CIRCUIT DESIGN USING MULTISIM 0 0 1 1

COURSE OBJECTIVES

To enable the students to

- learn the basics on Multisim
- analyze the basic electronic circuit using multisim
- analyze the opamp circuit and multivibrator circuit using multisim
- acquire the knowledge on digital circuits

UNIT I BASICS 4

Basic of Multisim -Introduction to Multisim, Placing Components, Wiring Components, Placing simulation source, place measurement instruments, simulation

UNIT II BASICS ELECTRONIC CIRCUITS 4

Clipper, Clamper, Voltage, Regulator,CE amplifier, Emitter follower

UNIT III CIRCUIT USING OPAMP AND MULTIVIBRATOR 4

Comparator, Schmitt trigger circuit, Diode waveshaping circuit, peak detector, Integrator, Differentiator, logarithmic Amplifier, A.C. Amplifier, Multivibrator, 555 timer, PLL circuit

UNIT IV DIGITAL CIRCUITS 3

Flipflop, Registers, Counter, MUX, DEMUX, A/D and D/A Converter

TOTAL PERIODS 15

COURSE OUTCOMES

Upon the completion of the course, students will be able to

- acquire the basics on Multisim
- apply the knowledge on basic electronic circuit using multisim
- apply the opamp circuit and multivibrator circuit using multisim
- apply the knowledge on digital circuits

TEXT BOOKS

1. Multisim Tutorial, NI http://www.ni.com/tutorial/10710/en/

PAAVAI ENGINEERING COLLEGE (AUTONOMUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE ATTENDANCE SHEET

ACADEMIC YEAR: 2022-2023 DATE: 27.3.2023 to 1.04.2023

NAME OF THE COURSE: 19BMVC401-INTERNET OF THINGS

S.No	Name of the Students	Register Number	27.3.23	28.3.23	29.3.23	30.3.23	01.4.23
1	ABINAYA G	622121109002	/	/	/	/	a
2	AJAY R	622121109003	/	/	/	/	/
3	ARIHARAN V	622121109004	/	/	a	a	/
4	ARUN C	622121109006	/	/	/	/	/
5	BADRINATH V	622121109007	/	/	/	/	/
6	BARATH A	622121109008	/	a	/	/	/
7	BHUVANESHWARAN S	622121109009	/	/	/	/	/
8	BHUVANESHWARI T	622121109010	/	/	/	/	/
9	DHARANI M	622121109011	/	/	/	/	/
10	DHILIP S	622121109012	/	/	a	/	/
11	DINESH S	622121109013	/	/	/	/	/
12	GOBIDHA K	622121109014	/	/	/	/	/
13	GOKUL RAJA G	622121109015	/	/	/	/	/
14	GUGANBALA G	622121109017	/	/	/	/	/
15	JAYAKANNAN S	622121109019	/	a	/	/	/
16	JAYARAM C	622121109020	/	/	/	a	/
17	JAYASRI A	622121109021	a	/	/	/	/
18	JAYASURYA N	622121109022	/	/	/	/	/
19	KAVIYARASAN M	622121109024	/	/	/	/	/
20	KEERTHIPRIYA S	622121109025	/	/	/	/	a
21	KIRUBAKARAN J	622121109026	/	/	/	/	/

22	KUMARESAN D	622121109028	/	/	/	/	a
23	LINGASRI S	622121109029	/	/	/	/	a
24	LOGAMANIMEGALAI V	622121109030	/	/	/	/	/
25	MAHALAKSHMI P	622121109031	/	/	/	a	/
26	MOHANRAJ S	622121109032	/	/	/	/	/
27	MURUGAN S	622121109033	/	a	/	/	/
28	NAVEENKUMAR G	622121109034	/	/	/	/	/
29	NIKASH N	622121109035	/	/	/	/	/
30	PAVITHRA M	622121109036	a	/	/	/	/
31	PRADEEP M	622121109037	/	/	/	/	/
32	PRASANTH P	622121109038	/	/	/	/	a
33	PRATHISH KUMAR G	622121109039	/	/	/	/	a
34	PRAVEEN V	622121109040	/	a	/	a	/
35	PUNITH RAJ R	622121109041	/	/	/	/	/
36	ROJA R	622121109043	/	/	/	/	/
37	SANDHIYA M	622121109044	/	/	/	/	/
38	SANGEETHKUMAR M	622121109045	/	/	/	/	/
39	SANJEEVAMOORTHI M	622121109046	/	/	a	a	/
40	SANMATHI S	622121109048	/	/	/	/	/
41	SANTHOSH M	622121109049	/	/	/	/	/
42	SAROTHIRSHA S	622121109050	/	/	/	/	/
43	SHAKTHIVEL E	622121109051	/	/	/	/	/
44	SOBANA K	622121109052	a	/	/	a	/
45	SUBASH K	622121109053	/	a	/	/	/
46	SURABIKA R	622121109055	/	/	a	/	a

47	SURIYA P	622121109056	1	1	1	1	1
48	VASANTHKUMAR S	622121109057	1	0	1	1	1
49	VIGNESH T	622121109058	1	1	1	0	0
50	VIMAL RAJ R	622121109059	1	1	1	1	1
51	VINOTH S	622121109060	1	0	0	1	1
52	YOGAMOZHI S	622121109061	0	1	1	1	1
53	YUVARAJ S R	622121109062	1	1	1	1	1
54	SANJUKA D	622121109047	1	1	1	1	0

COURSE COORDINATOR

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

MAHALAKSHMI P

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the

INTERNET OF THINGS course from **27.3.2023 to 1.04.2023**

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

SANMATHI S

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **INTERNET OF THINGS** course from **27.3.2023 to 1.04.2023**

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

YOGAMOZHI S

of Paavai Engineering College, studying in **SECOND** Year has successfully completed the

INTERNET OF THINGS course from **27.3.2023 to 1.04.2023**

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 08.03.2023

CIRCULAR

It is planned to conduct Five days training course on "**21BMVC401 – VHDL Programming**" for 8th semester students from 27.3.2023 to 1.04.2023. The interested students are asked to enrol their name to the course coordinator Ms. S. SENTHAMIL, AP/BME on or before 16.03.2023

COPY TO: NOTICE BOARD

HOD

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE

21BMVC401- VHDL PROGRAMMING

COURSE CONTENT

Module 1: Basics of VHDL Systems

Module 2: System modeling

Module 3: Architecture

Module 4: Communication Architecture

Module 5: IoT Standards

DATE: 27.03.2023 – 01.04.2023

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Ms.S.SENTHAMIL, AP/BME

21BMVC401	VHDL PROGRAMMING	0 0 1 1

COURSE OBJECTIVES

To enable the students to

- learn the basic of VHDL
- understand the concept of parallel and sequential processing using VHDL
- acquire the knowledge on combinational circuit using VHDL
- acquire the knowledge on sequential circuit using VHDL

UNIT I VHDL BASICS 3

Code models; component model; gates, entity; architecture; identifier object; variables, signals, data types, operators of relationships

UNIT II PARALLEL AND SEQUENTIAL PROCESSING 3

Modeling for simulation, simulation cycle, parallel and sequential sets; instantiation of components

UNIT III CONSTRUCTION OF COMBINATORIAL LOGIC USING VHDL 4

Timing and delays in digital circuits; hazard; arithmetic units; ROM; design example

UNIT IV DESIGN OF SEQUENTIAL LOGIC USING VHDL 5

Timing of synchronous systems; synchronous processes; latches; flip-flops; initialization; Mealy and Moore machines; counters; registers; RAM

TOTAL PERIODS 15

COURSE OUTCOMES

Upon the completion of the course, students will be able to

- learn the basic of VHDL
- analyze the concept of parallel and sequential processing using VHDL
- apply the knowledge on combinational circuit using VHDL
- apply the knowledge on sequential circuit using VHDL

TEXT BOOKS

1. https://www.classcentral.com/course/canvas-network-digital-design-with-vhdl-2616

PAAVAI ENGINEERING COLLEGE (AUTONOMUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE ATTENDANCE SHEET

ACADEMIC YEAR: 2022-2023 DATE: 27.3.2023 to 1.04.2023

NAME OF THE COURSE: 21BMVC401- VHDL PROGRAMMING

S. no	Register no	Name	27.3.23	28.3.23	29.3.23	31.3.23	01.04.23
1	19109002	AJAY RAJI	/	/	/	/	/
2	19109003	AKASH LAL	/	a	/	a	/
3	19109004	AKASH.S	/	/	/	/	a
4	19109005	ANANDHU. V	/	/	/	/	/
5	19109006	ANBARASAN. V	/	/	/	/	/
6	19109007	ANITHA.K	/	/	/	/	/
7	19109008	BALAJI.D	/	/	/	a	/
8	19109009	BASIL KURIAKOSE	/	/	/	/	/
9	19109010	DHARANBALA.R	/	/	/	/	/
10	19109011	GAUSHIK.K	a	/	/	/	a
11	19109012	GUNASEKAR.P	/	/	a	/	/
12	19109013	HEMASRI.V	/	/	/	/	/
13	19109014	KABILAN.R	/	/	/	/	/
14	19109016	KATHIRAVAN.S	/	/	/	/	/
15	19109017	KAVIYARASAN.M	/	/	/	/	/
16	19109018	KAVIYARASAN.S	/	a	/	/	/
17	19109019	KEERTHANA SIVADAS	/	/	a	/	/
18	19109020	KEERTHANA.M	/	/	/	/	/
19	19109021	KRISHNARAJ.K	/	/	/	/	/
20	19109022	MAHALAKSHMI.A	/	/	/	/	/
21	19109023	MANOJ.S	/	/	/	/	/
22	19109024	MATHAN.M	a	/	a	/	/
23	19109025	MATHESWARI.S	/	/	/	/	a
24	19109027	NANDHINI. S	/	a	/	/	/

25	19109028	NARMATHA.N	/	/	a	/	/
26	19109029	NAVANEETH RAJ.K.B	/	/	/	/	/
27	19109030	NAVEENA EVANGELIN.J	/	/	/	/	/
28	19109031	NIVETHIKA.A	/	/	/	/	/
29	19109032	PRATHIPA.P	/	/	a	/	/
30	19109033	PREETHIKA.M	/	a	/	/	/
31	19109034	RISANTH.N	a	/	/	/	/
32	19109035	RITHIKA SHALINI.S	/	/	/	/	/
33	19109036	ROHITHVIJAY	/	/	/	a	/
34	19109037	SABARINATH.R	/	/	a	/	/
35	19109038	SABITHA.M	/	/	/	/	a
36	19109039	SANDHIYA.R	/	/	/	/	/
37	19109041	SARAN.J	a	/	/	/	/
38	19109042	SASVARTHINI.S	/	/	/	/	/
39	19109043	SATHISH.K	/	/	/	/	/
40	19109044	SELVARAGAVAN.K	/	a	a	/	/
41	19109045	SELVARANI.D	/	/	/	/	/
42	19109046	SENTHILKUMAR.M	/	/	/	/	/
43	19109047	SHALINI.S	/	/	/	a	/
44	19109048	SHARMADHA.R	a	/	/	/	/
45	19109049	SIVA.S	/	/	/	/	/
46	19109050	SURYA.S	/	/	/	/	/
47	19109052	SYED MUNEER.N	/	/	a	/	/
48	19109053	TAMILARASAN.B	/	/	/	/	a
49	19109054	TAMILARASAN.M	/	/	/	/	/
50	19109055	THAMIZHARASAN.K	/	/	/	/	/
51	19109056	THANGARAJ.V	/	a	/	/	/
52	19109057	THIRUVIKKARAMAN.E	a	/	/	/	/
53	19109058	VASANTH.S	/	a	/	/	/
54	19109059	VIGNESH.R	/	/	/	a	/
55	19109060	VIJAY.M	/	/	a	/	/

56	19109061	VIJAYAN.S	/	/	/	/	/
57	19109062	VISHAL.M	/	/	a	/	/
58	19109063	VISHNUPRIYA.S	/	/	/	/	/
59	19109301	VARADHARAJAN S	a	/	/	/	/

COURSE COORDINATOR

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

NARMATHA.N

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **VHDL PROGRAMMING** course from **27.3.2023 to 1.04.2023**

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

GAUSHIK.K

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **VHDL PROGRAMMING** course from **27.3.2023** to **1.04.2023**

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

MATHAN.M

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **VHDL PROGRAMMING** course from **27.3.2023 to 1.04.2023**

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 08.03.2023

CIRCULAR

It is planned to conduct Five days training course on "**20BMVC401 - MATLAB programming**" for 6th semester students from 27.3.2023 to 1.04.2023. The interested students are asked to enrol their name to the course coordinator Mr. S. Rajasekaran, AP/BME on or before 16.03.2023.

COPY TO: NOTICE BOARD

HOD

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE

20BMVC401- MATLAB PROGRAMMING

COURSE CONTENT

Module 1: Basics of MATLAB

Module 2: Root Finding and Plotting

Module 3: Vectors, Fractals and Chaos

Module 4: Biomedical Signal and Image Processing

Module 5: Graphical User Interface

DATE: 27.03.2023 – 01.04.2023

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Dr. S.RAJASEKERAN, AP/BME

20BMVC401 MATLAB PROGRAMMING 0 0 2 1

COURSE OBJECTIVES

To enable the students to

- learn the basic of MATLAB programming
- analyze the biomedical signals and images using matlab programming
- implement the programming in GUI

UNIT I BASICS OF MATLAB PROGRAMMING 4

Basics of MATLAB - Introduction to programming, Command prompt and expressions, List, Vectors, and Matrices, Variables

UNIT II ROOT FINDING AND PLOTTING 4

Root Finding- Newton's Method, The Secant Method, More Sub-Indexing; Plotting – Basics of Attraction

UNIT III VECTORS, FRACTALS AND CHAOS 4

Vectors – Complex Numbers, User defined functions, Scope ; Fractals – Logistic Equation, Loops, Break and Continue, Truth Statements and Logical Indexing ; Debugging with Matlab, Files I/O

UNIT IV BIOMEDICAL SIGNAL AND IMAGE PROCESSING 9

One-dimensional signal and images, Two-dimensional or even three- or four-dimensional data, filtering and convolution, image-processing algorithms

UNIT V GRAPHICAL USER INTERFACE 9

GUI – Create, Design, Add Components; User Interactions – Trigger Event, Callback functions

TOTAL PERIODS 30

COURSE OUTCOMES

Upon the completion of the course, students will be able

- to learn the tools involved in the MATLAB
- analyze the biomedical signals and images using matlab programming
- implement the programming in GUI

TEXT BOOKS

1. MATLAB® Programming for Biomedical Engineers and Scientists, Andrew P.King, Paul Aljabar,

2. https://ocw.mit.edu/courses/mathematics/18-s997-introduction-to-matlab-programming-fall2011/index.htm

PAAVAI ENGINEERING COLLEGE (AUTONOMUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE ATTENDANCE SHEET

ACADEMIC YEAR: 2022-2023 DATE: 27.3.2023 to 1.04.2023

NAME OF THE COURSE: 20BMVC401- MATLAB PROGRAMMING

S.NO	REGISTER NO	NAME	27.3.23	28/3/23	30.3.23	31.3.23	1.04.23
1	20109001	AJITHKUMAR.K	/	/	/	/	/
2	20109002	AJITHKUMAR.K	/	/	/	a	/
3	20109003	AKSHAYA.J	/	/	/	a	/
4	20109004	ANANDHARAJ.G	/	/	/	/	/
5	20109005	ARIVOLI.M	/	a	/	/	/
6	20109006	ARULKUMARAN.V	/	/	/	/	/
7	20109007	BALA.M	/	/	a	/	/
8	20109008	BALAJI.M	a	/	/	/	a
9	20109009	BALAMURUGAN.R	/	/	/	/	a
10	20109010	CHARUMATHI.S	/	/	/	a	/
11	20109011	DHEJJASWINI.E	/	/	/	/	/
12	20109013	HARISH.P	/	/	/	/	/
13	20109014	HARISH.R	/	/	/	/	/
14	20109015	JAYAKRISHNAN.K	/	/	/	/	/
15	20109016	JAYAPRAKASH.R	/	/	a	/	/
16	20109017	JEEVITHA.K	a	/	/	/	/
17	20109018	JOHNSON.R	/	/	/	/	/
18	20109019	KANAGASANTHOSH.M.M	/	/	a	/	/
19	20109020	KIRUTHIKA.P	/	/	/	/	/
20	20109021	KRITHIKA.K	/	/	/	/	/
21	20109022	MAARVIN.M	/	/	/	/	/
22	20109023	MATHANKUMAR.M	/	/	/	/	/
23	20109024	MOHAMED ARSHATH.A	/	/	/	/	/
24	20109025	MOHAMMED SULTHAN.A	/	/	/	a	/
25	20109026	MUKILA.M	a	/	/	/	/
26	20109027	NANDEESHWARAN.J	/	/	/	/	/
27	20109028	NANDHA.G	/	/	/	/	a
28	20109030	PAVITHRA.S	/	/	/	/	/
29	20109031	PRAKASH.K.V	/	/	/	/	/
30	20109032	PRASANNAPRIYA.R	a	/	/	a	/
31	20109033	PRASANTH.P	/	/	/	/	/

32	20109034	RAGAVARSHINI.S	/	/	/	/	/
33	20109035	ROSHAN KUMAR.V	/	/	/	/	/
34	20109036	RUGIYA.A	/	/	/	/	/
35	20109037	SAFA FAREN.M.J	/	/	a	/	a
36	20109038	SAKTHIVEL.M	/	/	/	/	/
37	20109039	SANDHIYA.S	/	/	/	/	/
38	20109040	SANJITH SWAMY.R	a	/	/	/	/
39	20109042	SATHIYA.A	/	/	/	/	/
40	20109043	SELVAKUMAR.M	/	/	a	/	/
41	20109044	SELVAKUMAR.N	/	/	/	/	/
42	20109045	SENTHILKUMAR.N	/	/	/	/	/
43	20109046	SIVAMANI.S	/	/	/	/	/
44	20109047	SOUNDARYA.S	/	a	/	/	/
45	20109048	SOWNDARYA.S		/	/	/	a
46	20109049	SRIDHAR.S	/	/	/	/	/
47	20109050	SUBHIKSHA.S	/	/	/	/	/
48	20109051	SUDEEP.C	/	/	/	/	/
49	20109052	SUPRAJA.O	/	/	/	/	/
50	20109053	SUVARNALATHA.V	/	/	/	/	/
51	20109054	SWETHA.S	/	/	a	/	/
52	20109055	VAJITHRA.C	/	/	/	/	/
53	20109056	VASANTHAVEL.P	a	/	/	/	/
54	20109057	VIGNESH VARMA.H	/	/	/	/	/
55	20109058	VIJAI.V	/	/	/	/	/
56	20109059	VINOTHA.M	/	/	/	/	/
57	20109060	VISWA.R	/	/	/	/	/
58	20109061	YUVANESHWARAN.P	/	/	/	/	a

COURSE COORDINATOR

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

JEEVITHA.K

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **MATLAB PROGRAMMING course** from **27.3.2023 to 1.04.2023**

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

PAVITHRA.S

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **MATLAB PROGRAMMING course** from **27.3.2023 to 1.04.2023**

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

VINOTHA.M

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **MATLAB PROGRAMMING** course from **27.3.2023** to **1.04.2023**

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE

21BMVC301- BASIC ELECTRONIC CIRCUIT DESIGN USING MULTISIM

COURSE CONTENT

Module 1: Basics

Module 2: Basics Electronic Circuits

Module 3: Circuit Using Opamp and Multivibrator

Module 4: Digital Circuits

Module 5: Applications

DATE: 19.09.2022– 24.09.2022

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Ms.N.JAYANTHI, AP/BME

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 08.08.2022

CIRCULAR

It is planned to conduct Five days training course on "**21BMVC301 – BASIC ELECTRONICS CIRCIUTS DESIGN USING MULTISIM"** for 7th semester students from 19.09.2022 to 24.09.2022. The interested students are asked to enrol their name to the course coordinator Ms.N.JAYANTHI.,AP/BME on or before 14.08.2022.

COPY TO: NOTICE BOARD

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE ATTENDANCE SHEET

ACADEMIC YEAR: 2022-2023 DATE: 19.09.2022 to 24.09.2022

NAME OF THE COURSE: 21BMVC301-BASIC ELECTRONICS CIRCIUTS DESIGN USING MULTISIM

S. no	Register no	Name	19.09.23	20.09.23	21.09.23	22.09.23	23.09.22
1	19109002	AJAY RAJI	/	/	/	A	/
2	19109003	AKASH LAL	/	/	/	/	/
3	19109004	AKASH.S	/	A	/	/	A
4	19109005	ANANDHU. V	/	/	/	/	/
5	19109006	ANBARASAN. V	/	/	/	/	/
6	19109007	ANITHA.K	/	/	/	/	/
7	19109008	BALAJI.D	/	/	/	/	/
8	19109009	BASIL KURIAKOSE	/	/	A	/	/
9	19109010	DHARANBALA.R	/	/	A	/	/
10	19109011	GAUSHIK.K	/	/	/	/	/
11	19109012	GUNASEKAR.P	/	A	/	/	/
12	19109013	HEMASRI.V	/	/	/	/	/
13	19109014	KABILAN.R	/	/	/	/	/
14	19109016	KATHIRAVAN.S	/	/	/	/	/
15	19109017	KAVIYARASAN.M	/	/	/	/	/
16	19109018	KAVIYARASAN.S	/	/	/	/	/
17	19109019	KEERTHANA SIVADAS	/	/	/	/	/
18	19109020	KEERTHANA.M	A	/	/	/	/
19	19109021	KRISHNARAJ.K	/	A	/	/	/
20	19109022	MAHALAKSHMI.A	/	/	/	/	/
21	19109023	MANOJ.S	/	/	/	/	/
22	19109024	MATHAN.M	/	/	A	/	/
23	19109025	MATHESWARI.S	/	/	/	/	/

24	19109027	NANDHINI. S	1	1	a	1	1
25	19109028	NARMATHA.N	1	1	1	1	1
26	19109029	NAVANEETH RAJ.K.B	1	1	1	1	1
27	19109030	NAVEENA EVANGELIN.J	1	a	1	1	a
28	19109031	NIVETHIKA.A	1	1	1	1	1
29	19109032	PRATHIPA.P	1	1	1	1	1
30	19109033	PREETHIKA.M	a	1	1	1	1
31	19109034	RISANTH.N	1	1	1	1	1
32	19109035	RITHIKA SHALINI.S	1	1	1	1	1
33	19109036	ROHITHVIJAY	1	1	1	1	1
34	19109037	SABARINATH.R	1	a	1	1	1
35	19109038	SABITHA.M	1	1	1	1	1
36	19109039	SANDHIYA.R	1	1	1	1	1
37	19109041	SARAN.J	1	1	1	1	a
38	19109042	SASVARTHINI.S	1	1	1	1	1
39	19109043	SATHISH.K	1	1	a	1	1
40	19109044	SELVARAGAVAN.K	a	1	1	1	1
41	19109045	SELVARANI.D	1	1	1	1	1
42	19109046	SENTHILKUMAR.M	1	a	1	1	1
43	19109047	SHALINI.S	1	1	a	1	1
44	19109048	SHARMADHA.R	1	1	1	1	1
45	19109049	SIVA.S	1	1	1	1	1
46	19109050	SURYA.S	1	1	1	1	1
47	19109052	SYED MUNEER.N	a	1	1	1	1
48	19109053	TAMILARASAN.B	1	1	a	1	1
49	19109054	TAMILARASAN.M	1	1	1	1	1
50	19109055	THAMIZHARASAN.K	1	1	1	1	1
51	19109056	THANGARAJ.V	1	a	1	1	1
52	19109057	THIRUVIKKARAMAN.E	1	1	1	1	1
53	19109058	VASANTH.S	a	1	a	1	1
54	19109059	VIGNESH.R	1	1	1	1	a

55	19109060	VIJAY.M	/	/	/	/	/
56	19109061	VIJAYAN.S	/	/	/	/	/
57	19109062	VISHAL.M	/	/	9	9	/
58	19109063	VISHNUPRIYA.S	/	/	/	/	/
59	19109301	VARADHARAJAN S	/	/	/	/	9

COURSE COORDINATOR

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

ANANDHU V

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **BASIC ELECTRONIC CIRCUIT DESIGN USING MULTISIM** course from 19.09.2022 to 24.09.2022

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

KEERTHANA.M

of Paavai Engineering College, studying in **FINAL Year** has successfully completed **BASIC ELECTRONIC CIRCUIT DESIGN USING MULTISIM** course from 19.09.2022 to 24.09.2022

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

SHALINI.S

of Paavai Engineering College, studying in **FINAL Year** has successfully completed **BASIC ELECTRONIC CIRCUIT DESIGN USING MULTISIM** course from 19.09.2022 to 24.09.2022

Course Coordinator

HOD

Principal

20BMVC301 EMBEDDED PROGRAMMING USING ARDUINO 0 0 2 1

COURSE OBJECTIVES

To enable the students to

- learn the basic of arduino and the programming language
- acquire knowledge on arduino function libraries
- understand the real time projects using arduino and the interfacing modules

UNIT I ARDUINO BASICS 6

Basics of Arduino –Overview, Board Description, Installation, Program Structure, Data types, Variables & Constants, operators, Control Statements, Loops, Functions, Strings, String Object, Time, Arrays

UNIT II ARDUINO FUNCTION LIBRARIES 6

Function Libraries- I/O Functions, Advanced I/O Functions, Character Functions, Math Library, Trigonometric Functions, Due & Zero, Pulse width Modulation, Random Numbers, Interrupts, Communication, Inter Integrated Circuits, Serial Peripheral Interface, Arduino UART,

UNIT III ARDUINO SENSORS AND INTERFACING 9

Sensors – Humidity Sensor, Temperature Sensor, Water Detector/Sensor, PIR Sensor, Ultrasonic Sensor; Connecting switches (Magnetic Relay Switches- Types of Relay, Controlling electrical appliances with electromagnetic relays, working as a matrix keypad,

UNIT IV ARDUINO INTERFACING AND REAL TIME PROJECTS 9

Arduino Interfacing - Using the keypad library to interface with Arduino, Interfacing servo motors with Arduino, Using a buzzer as an alarm unit, GSM/GPRS arduino interfacing, Intelligent home locking system, intelligent water level management system, home automation using RFID, Automatic hand sanitizer

TOTALPERIODS 30

COURSE OUTCOMES

Upon the completion of the course, students will be able to

- learn the basic of arduino and the programming language
- acquire knowledge on arduino function libraries
- understand the real time projects using arduino and the interfacing modules

TEXT BOOKS

Simon Monk, "Programming Arduino Getting Started with Sketches" , January 2012

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 08.08.2022

CIRCULAR

It is planned to conduct Five days training course on "**20BMVC301 – EMBEDDED PROGRAMMING USING ARDUINO"** for 5th semester students from 19.09.2022 to 24.09.2022. The interested students are asked to enrol their name to the course coordinator Ms.B.NIRANJANA DEVI, AP/BME on or before 14.08.2022.

COPY TO: NOTICE BOARD

HOD

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE

20BMVC301- Embedded programming using Arduino

COURSE CONTENT

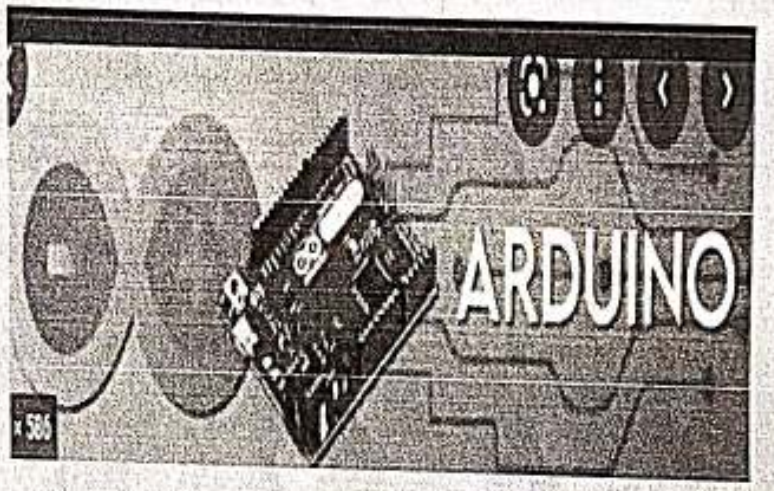
Module 1: Arduino Basics

Module 2: Arduino Function Libraries

Module 3: Arduino Sensors And Interfacing

Module 4: Arduino Interfacing And Real Time Projects

Module 5: Programming



DATE: 27.03.2023 - 01.04.2023

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Ms. B.NIRANJANA DEVI.,AP/MDE.

PAAVAI ENGINEERING COLLEGE (AUTONOMUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE ATTENDANCE SHEET

ACADEMIC YEAR: 2022-2023 DATE: 19.09.2022 to 24.09.2022

NAME OF THE COURSE: 20BMVC301-EMBEDDED PROGRAMMING USING ARDUINO

S.NO	REGISTER NO	NAME	19.9.22	20.9.22	21.9.22	22.9.22	24.9.22
1	20109001	AJITHKUMAR.K	/	/	/	/	/
2	20109002	AJITHKUMAR.K	/	A	/	/	/
3	20109003	AKSHAYA.J	/	/	/	/	/
4	20109004	ANANDHARAJ.G	/	/	/	/	/
5	20109005	ARIVOLI.M	/	/	/	/	A
6	20109006	ARULKUMARAN.V	/	A	/	/	/
7	20109007	BALA.M	/	/	/	/	/
8	20109008	BALAJI.M	/	/	/	A	/
9	20109009	BALAMURUGAN.R	/	A	/	/	/
10	20109010	CHARUMATHI.S	/	/	/	/	/
11	20109011	DHEJJASWINI.E	/	/	/	/	/
12	20109013	HARISH.P	/	/	/	/	A
13	20109014	HARISH.R	A	/	/	/	/
14	20109015	JAYAKRISHNAN.K	/	A	/	/	/
15	20109016	JAYAPRAKASH.R	/	/	/	/	/
16	20109017	JEEVITHA.K	/	/	/	/	/
17	20109018	JOHNSON.R	/	/	/	/	/
18	20109019	KANAGASANTHOSH.M.M	/	/	/	/	/
19	20109020	KIRUTHIKA.P	/	/	/	/	/
20	20109021	KRITHIKA.K	/	/	/	/	/
21	20109022	MAARVIN.M	/	/	/	/	/
22	20109023	MATHANKUMAR.M	/	/	A	/	/
23	20109024	MOHAMED ARSHATH.A	/	/	/	/	/
24	20109025	MOHAMMED SULTHAN.A	/	/	/	/	/
25	20109026	MUKILA.M	/	/	/	/	/
26	20109027	NANDEESHWARAN.J	/	/	/	/	/
27	20109028	NANDHA.G	/	A	/	/	/
28	20109030	PAVITHRA.S	/	/	/	/	/
29	20109031	PRAKASH.K.V	/	/	/	/	/
30	20109032	PRASANNAPRIYA.R	/	/	/	/	/
31	20109033	PRASANTH.P	/	/	/	/	A
32	20109034	RAGAVARSHINI.S	/	/	/	/	/
33	20109035	ROSHAN KUMAR.V	/	/	/	/	/

34	20109036	RUGIYA.A	✓	a	✓	✓	✓
35	20109037	SAFA FAREN.M.J	✓	✓	✓	✓	✓
36	20109038	SAKTHIVEL.M	✓	✓	✓	✓	✓
37	20109039	SANDHIYA.S	✓	✓	✓	✓	✓
38	20109040	SANJITH SWAMY.R	✓	✓	✓	✓	✓
39	20109042	SATHIYA.A	✓	a	✓	✓	a
40	20109043	SELVAKUMAR.M	✓	✓	✓	✓	✓
41	20109044	SELVAKUMAR.N	✓	✓	✓	✓	✓
42	20109045	SENTHILKUMAR.N	✓	✓	✓	✓	✓
43	20109046	SIVAMANI.S	✓	✓	✓	✓	✓
44	20109047	SOUNDARYA.S	a	✓	a	✓	✓
45	20109048	SOWNDARYA.S	✓	a	✓	✓	✓
46	20109049	SRIDHAR.S	✓	✓	✓	✓	✓
47	20109050	SUBHIKSHA.S	✓	✓	✓	✓	✓
48	20109051	SUDEEP.C	✓	✓	✓	✓	✓
49	20109052	SUPRAJA.O	✓	✓	✓	✓	✓
50	20109053	SUVARNALATHA.V	✓	✓	✓	✓	✓
51	20109054	SWETHA.S	✓	✓	✓	✓	✓
52	20109055	VAJITHRA.C	✓	✓	✓	✓	✓
53	20109056	VASANTHAVEL.P	✓	✓	✓	✓	✓
54	20109057	VIGNESH VARMA.H	✓	✓	✓	✓	✓
55	20109058	VIJAI.V	✓	✓	✓	✓	✓
56	20109059	VINOTHA.M	a	✓	✓	✓	✓
57	20109060	VISWA.R	✓	✓	✓	✓	✓
58	20109061	YUVANESHWARAN.P	✓	✓	✓	✓	a.

B. N

COURSE COORDINATOR

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

ARIVOLI.M

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the

EMBEDDED PROGRAMMING USING ARDUINO course from 19.09.2022 to 24.09.2022

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

MUKILA.M

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the

EMBEDDED PROGRAMMING USING ARDUINO course from 19.09.2022 to 24.09.2022

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

SATHIYA.A

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the

EMBEDDED PROGRAMMING USING ARDUINO course from 19.09.2022 to 24.09.2022

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE

19BMVC301- Web Design

COURSE CONTENT

Module 1: Web Design Principles

Module 2: Basics in Web Design

Module 3: Introduction to HTML

Module 4: Elements of HTML

Module 5: Introduction to Cascading Style Sheets

DATE: 19.09.2022– 24.09.2022

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Ms.S.JOTHEESWARAN, AP/BME

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 08.08.2022

CIRCULAR

It is planned to conduct Five days training course on **"19BMVC301 – WEB DESIGN"** for 7th semester students from 19.09.2022 to 24.09.2022. The interested students are asked to enrol their name to the course coordinator Mr. S.JOTHEESWARAN., AP/BME on or before 14.08.2022.

COPY TO: NOTICE BOARD

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE ATTENDANCE SHEET

ACADEMIC YEAR: 2022-2023 DATE: 19.09.2022 to 24.09.2022

NAME OF THE COURSE: 19BMVC301-WEB DESIGN

S.No	Name of the Students	Register Number	19.09.22	21-0922	22.0922	23.09.22	24.0922
1	ABINAYA G	622121109002	/	/	A	/	A
2	AJAY R	622121109003	/	/	/	/	A
3	ARIHARAN V	622121109004	/	/	/	/	/
4	ARUN C	622121109006	/	/	/	/	/
5	BADRINATH V	622121109007	/	/	/	/	/
6	BARATH A	622121109008	/	/	/	A	/
7	BHUVANESHWARAN S	622121109009	/	/	/	/	/
8	BHUVANESHWARI T	622121109010	/	/	/	/	/
9	DHARANI M	622121109011	A	/	/	/	/
10	DHILIP S	622121109012	/	/	/	/	/
11	DINESH S	622121109013	/	/	/	/	/
12	GOBIDHA K	622121109014	/	/	/	/	/
13	GOKUL RAJA G	622121109015	/	A	/	/	/
14	GUGANBALA G	622121109017	/	/	/	/	/
15	JAYAKANNAN S	622121109019	A	/	/	/	/
16	JAYARAM C	622121109020	/	/	/	/	/
17	JAYASRI A	622121109021	/	/	/	/	/
18	JAYASURYA N	622121109022	/	/	/	A	/
19	KAVIYARASAN M	622121109024	/	/	/	/	/
20	KEERTHIPRIYA S	622121109025	/	/	/	/	/
21	KIRUBAKARAN J	622121109026	/	/	/	/	/

22	KUMARESAN D	622121109028	1	1	1	a	a
23	LINGASRI S	622121109029	1	1	1	1	1
24	LOGAMANIMEGALAI V	622121109030	1	1	1	1	1
25	MAHALAKSHMI P	622121109031	1	1	a	1	1
26	MOHANRAJ S	622121109032	1	1	1	a	1
27	MURUGAN S	622121109033	a	1	1	1	1
28	NAVEENKUMAR G	622121109034	1	1	1	1	1
29	NIKASH N	622121109035	1	1	1	1	a
30	PAVITHRA M	622121109036	1	1	1	1	1
31	PRADEEP M	622121109037	1	1	a	1	1
32	PRASANTH P	622121109038	1	1	1	1	1
33	PRATHISH KUMAR G	622121109039	1	1	1	1	a
34	PRAVEEN V	622121109040	1	a	1	1	1
35	PUNITH RAJ R	622121109041	1	1	1	1	1
36	ROJA R	622121109043	1	1	1	1	1
37	SANDHIYA M	622121109044	a	1	1	1	a
38	SANGEETHKUMAR M	622121109045	1	1	1	a	1
39	SANJEEVAMOORTHI M	622121109046	1	1	1	1	1
40	SANMATHI S	622121109048	1	1	1	1	1
41	SANTHOSH M	622121109049	1	1	1	1	1
42	SAROTHIRSHA S	622121109050	1	1	a	a	a
43	SHAKTHIVEL E	622121109051	1	a	1	1	1
44	SOBANA K	622121109052	1	1	1	1	1
45	SUBASH K	622121109053	1	1	1	1	1
46	SURABIKA R	622121109055	a	1	1	1	1

47	SURIYA P	622121109056	✓	✓	✓	✓	✓
48	VASANTHKUMAR S	622121109057	✓	✓	✓	✓	✓
49	VIGNESH T	622121109058	✓	✓	✓	✓	✓
50	VIMAL RAJ R	622121109059	✓	✓	✓	✓	✓
51	VINOTH S	622121109060	✓	✓	✓	✓	✓
52	YOGAMOZHI S	622121109061	✓	✓	✓	✓	✓
53	YUVARAJ S R	622121109062	✓	✓	✓	✓	✓
54	SANJUKA D	622121109047	✓	✓	✓	✓	✓

COURSE COORDINATOR

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

ABINAYA G

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **WEB DESIGN** course from **19.09.2022 to 24.09.2022**

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

MURUGAN S

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **WEB DESIGN** course from **19.09.2022 to 24.09.2022**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Biomedical Engineering

CERTIFICATE

This is to certify

PRASANTH P

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **WEB DESIGN** course from **19.09.2022 to 24.09.2022**

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna University & AICTE, New Delhi)

Namakkal - 637018

DEPARTMENT OF CHEMICAL ENGINEERING

Cordially invite you to the value-added course on

22CMVC301 – INDUSTRIAL HAZARD MANAGEMENT

On September 19th to 23rd 2022
Venue: T306

Course Coordinators

1.Dr.G.ELLAMPARUTHI, AP/Chemical

2. P.INDHUMATHI, AP/Chemical

Head of the Department

Prof. R. BALASUBRAMANI

Dr. M. Premkumar
Principal

All Department Faculty Members & Students

Invite you one and all

22CMVC301 – INDUSTRIAL HAZARD MANAGEMENT

Course Objectives

The course aims to enable students to

- Understand the principles of industrial hazard identification, assessment, and management.
- Recognize various types of industrial hazards and their potential consequences.
- Develop skills in implementing hazard control measures and emergency response procedures.

Unit I **Introduction to Industrial Hazards** 10

Definition and classification of industrial hazards, Common types of industrial hazards: chemical, physical, biological, and ergonomic, Hazard identification techniques: HAZOP, FMEA, and Job Hazard Analysis (JHA), Regulatory framework and standards for industrial hazard management.

Unit II **Chemical Hazards and Risk Assessment** 10

Chemical hazards in industrial settings: toxic, flammable, reactive, and corrosive substances, Risk assessment methodologies: qualitative and quantitative risk assessment, Hazardous chemical storage, handling, and transportation practices, Case studies of major industrial incidents involving chemical hazards.

Unit III **Physical Hazards and Engineering Controls** 10

Physical hazards: noise, vibration, radiation, temperature extremes, and pressure, Engineering controls for mitigating physical hazards: ventilation, isolation, shielding, and ergonomic design, Personal protective equipment (PPE) selection and usage, Occupational health monitoring and surveillance programs.

Course **Outcomes30** **Hours**

Upon completion of the course, students will be able to:

- Identify and assess industrial hazards across different sectors and environments.
- Implement appropriate hazard control measures and safety protocols.

- Develop emergency response plans and procedures for industrial incidents.

Textbooks:

1. Mannan, M. S., Lees' Loss Prevention in the Process Industries: Hazard Identification, Assessment and Control, Butterworth-Heinemann, 2014.
2. Crowl, D. A., &Louvar, J. F., Chemical Process Safety: Fundamentals with Applications, Prentice Hall, 2012.

References:

1. Center for Chemical Process Safety (CCPS), Guidelines for Risk Based Process Safety, Wiley-AIChE, 2015.
2. Kletz, T., What Went Wrong?: Case Histories of Process Plant Disasters, Gulf Professional Publishing, 2019.

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

Affiliated to Anna University Chennai and approved by AICTE, New Delhi.

Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF CHEMICAL ENGINEERING

DATE:12.09.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "Industrial Hazard Management" for Third semester students from 19.09.22 to 23.09.22.The interested students are asked to enroll their names to the course coordinator Dr.G.ELLAMPARUTHI, AP/Chemicalon or before 19.09.22.

Course Coordinators:1.Dr.G.ELLAMPARUTHI, AP/Chemical

2. P.INDHUMATHI, AP/Chemical

HOD/Chemical

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/III

Name of the course: 22CMVC301 – INDUSTRIAL HAZARD MANAGEMENT

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
1.	62212120-1001	Akash . C					
2.	62212120-1002	Balaji.R					
3.	62212120-1003	BibinMathew					
4.	62212120-1004	Chandru.N					
5.	62212120-1005	Dhanaraj.G					
6.	62212120-1006	Dharaneeswaran.R					
7.	62212120-1007	Dharanidharan.s.A					
8.	62212120-1008	Dhilip.K					
9.	62212120-1009	Dineshbabu.S					
10.	62212120-1010	Gayatri.P					
11.	62212120-1011	Gokul.N					
12.	62212120-1012	Hemavathi.N					
13.	62212120-1013	Joshiprincy.A					
14.	62212120-1014	Logeshwar.K					
15.	62212120-1015	Mukesh.V					
16.	62212120-1016	Mukilan.M					
17.	62212120-1017	Naveen.R					

18.	62212120-1018	Niruthiyasri.S					
19.	62212120-1020	Priyadharshini.P					
20.	62212120-1021	Saravanan.R					
21.	62212120-1022	Sivabalan.P					
22.	62212120-1023	Udayamoorthy.S					
23.	62212120-1024	Vasan.M					
24.	62212120-1025	Vinuventhan.K					
25.	62212120-1026	Yasmin.A					

Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

UDHAYAMOORTHY.S

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CMVC301 – Industrial Hazard management. The duration of the Course is 30 hours .

(19/09/2022 to 23/09/2022) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

HEMAVATHI.R

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CMVC301 – Industrial Hazard management. The duration of the Course is 30 hours .

(19/09/2022 to 23/09/2022) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

JOSHIPRINCY.A

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CMVC301 – Industrial Hazard management. The duration of the Course is 30 hours .

(19/09/2022 to 23/09/2022) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

GOKUL.N

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CMVC301 – Industrial Hazard management. The duration of the Course is 30 hours .

(19/09/2022 to 23/09/2022) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

MUKESH.V

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CMVC301 – Industrial Hazard management. The duration of the Course is 30 hours .

(19/09/2022 to 23/09/2022) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna University & AICTE, New Delhi)

Namakkal - 637018

DEPARTMENT OF CHEMICAL ENGINEERING

Cordially invite you to the value-added course on

22CMVC401 –ANALYTICAL TECHNIQUES FOR AGRO-CHEMICALS

onMarch27th to 31st 2023
Venue: T306

Course Coordinators

1.Dr.G.ELLAMPARUTHI, AP/Chemical

2. P.INDHUMATHI, AP/Chemical

Head of the Department

Prof. R. BALASUBRAMANI

Dr. M. Premkumar
Principal

All Department Faculty Members & Students

Invite you one and all

22CMVC401 – ANALYTICAL TECHNIQUES FOR AGRO-CHEMICALS

Course Objectives

The course aims to enable students to:

- Gain comprehensive knowledge of various analytical techniques employed in the analysis of agro-chemicals.
- Understand the principles, instrumentation, and applications of analytical methods specific to agro-chemical analysis.
- Develop skills in sample preparation, analysis, and interpretation of results for different types of agro-chemicals.

Unit I Introduction to Analytical Techniques for Agro-Chemicals 10

Overview of agro-chemical analysis: scope, importance, and challenges.-Principles of analytical chemistry relevant to agro-chemical analysis.-Sample preparation techniques for various agro-chemical matrices.-Quality assurance and quality control in agro-chemical analysis.

Unit IIChromatographic Techniques in Agro-Chemical Analysis10

Gas chromatography (GC) and liquid chromatography (LC) principles and instrumentation, Applications of GC and LC in the analysis of pesticides, herbicides, fertilizers, and other agro-chemicals, Method development and optimization in chromatographic analysis of agro-chemicals, Troubleshooting and data interpretation in chromatographic analysis.

Unit IIISpectroscopic Techniques for Agro-Chemical Analysis 10

Ultraviolet-visible (UV-Vis), infrared (IR), and nuclear magnetic resonance (NMR), spectroscopy principles, Applications of spectroscopic techniques in agro-chemical identification and quantification, Advanced spectroscopic methods (e.g., mass spectrometry) in agro-chemical analysis, Spectroscopic data analysis and spectral interpretation in agro-chemical analysis.

Course Outcomes 30 Hours

Upon completion of the course, students will be able to:

- Demonstrate a comprehensive understanding of analytical techniques relevant to agro-chemical analysis.
- Apply various analytical methods for the quantification and identification of agro-chemicals in different matrices.
- Interpret analytical data accurately and effectively communicate findings.

Textbooks:

1. Smith, J. K., Analytical Techniques in Agro-Chemistry, Wiley-Blackwell, 2010.
2. Brown, P. Q., Analytical Methods for Agricultural Chemicals, CRC Press, 2015.

References:

1. Miller, G. E., Analytical Methods for Agricultural Chemicals, Springer, 2018.
2. Thompson, M., Handbook of Analytical Techniques for Agrochemicals, Academic Press, 2017.

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

Affiliated to Anna University Chennai and approved by AICTE, New Delhi.

Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF CHEMICAL ENGINEERING

DATE: 21.03.23

CIRCULAR

It is planned to conduct Five Days Value Added Course on "Analytical Techniques for Agro-Chemicals" for Fourth semester students from 27.03.23 to 31.03.23. The interested students are asked to enroll their names to the course coordinator Dr.G.ELLAMPARUTHI, AP/Chemicalon or before 27.03.23.

Course Coordinators:1.Dr.G.ELLAMPARUTHI, AP/Chemical

2. P.INDHUMATHI, AP/Chemical

HOD/Chemical

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/VI

Name of the course: 22CMVC401 – ANALYTICAL TECHNIQUES FOR AGRO CHEMICALS

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
1.	62212120-1001	Akash . C					
2.	62212120-1002	Balaji.R					
3.	62212120-1003	BibinMathew					
4.	62212120-1004	Chandru.N					
5.	62212120-1005	Dhanaraj.G					
6.	62212120-1006	Dharaneeswaran.R					
7.	62212120-1007	Dharanidharan.s.A					
8.	62212120-1008	Dhilip.K					
9.	62212120-1009	Dineshbabu.S					
10.	62212120-1010	Gayatri.P					
11.	62212120-1011	Gokul.N					
12.	62212120-1012	Hemavathi.N					
13.	62212120-1013	Joshipriney.A					
14.	62212120-1014	Logeshwar.K					
15.	62212120-1015	Mukesh.V					
16.	62212120-1016	Mukilan.M					
17.	62212120-1017	Naveen.R					

18.	62212120-1018	Niruthiyasri.S					
19.	62212120-1020	Priyadharshini.P					
20.	62212120-1021	Saravanan.R					
21.	62212120-1022	Sivabalan.P					
22.	62212120-1023	Udayamoorthy.S					
23.	62212120-1024	Vasan.M					
24.	62212120-1025	Vinuventhan.K					
25.	62212120-1026	Yasmin.A					

Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

VASAN.M

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CMVC401 – Analytical Techniques for Agro Chemicals. The duration of the Course is 30 hours .(**27/03/2023 to 31/03/2023**) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

BIBIN MATHEW

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CMVC401 – Analytical Techniques for Agro Chemicals. The duration of the Course is 30 hours .(**27/03/2023 to 31/03/2023**) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

GAYATHRI.P

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CMVC401 – Analytical Techniques for Agro Chemicals. The duration of the Course is 30 hours .(**27/03/2023 to 31/03/2023**) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

DINESHBABU.S

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CMVC401 – Analytical Techniques for Agro Chemicals. The duration of the Course is 30 hours .**(27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

NIRUTHIYASRI.S

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CMVC401 – Analytical Techniques for Agro Chemicals. The duration of the Course is 30 hours .(**27/03/2023 to 31/03/2023**) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna University & AICTE, New Delhi)

Namakkal - 637018

DEPARTMENT OF CHEMICAL ENGINEERING

Cordially invite you to the value-added course on

22CMVC501 –AUTOCAD FOR CHEMICAL ENGINEERS

on September 19th to 23rd 2022
Venue: T304

Course Coordinators

1.G.SWATHI, AP/Chemical

2. P.INDHUMATHI, AP/Chemical

Head of the Department

Prof. R. BALASUBRAMANI

Dr. M. Premkumar
Principal

All Department Faculty Members & Students

Invite you one and all

22CMVC501 – AUTOCAD FOR CHEMICAL ENGINEERS

Course Objectives

The course aims to enable students to:

- Gain proficiency in utilizing AutoCAD software for designing chemical engineering components and systems.
- Understand the principles of technical drawing and engineering graphics applicable to chemical engineering.
- Develop skills in creating, editing, and annotating engineering drawings using AutoCAD.

Unit IIntroduction to AutoCAD and Engineering Drawing Fundamentals 10

Overview of AutoCAD software: interface, tools, and functionalities, Principles of engineering drawing, orthographic projection, isometric projection, and dimensioning, Drawing setup and units in AutoCAD, Basic drawing commands and editing tools in AutoCAD.

Unit IIDrawing Chemical Process Equipment and Piping10

Creating 2D drawings of chemical process equipment: reactors, distillation columns, heat exchangers, Piping design fundamentals: piping components, symbols, and standards, drawing piping layouts, including piping isometrics and orthographic views, Annotation and dimensioning of process equipment and piping drawings.

Unit III Process Flow Diagrams and Piping and Instrumentation Diagrams 10

Introduction to PFDs and P&IDs in chemical engineering, Creating PFDs and P&IDs using AutoCAD, Symbol libraries and blocks for P&ID development, Annotating and documenting PFDs and P&IDs.

Course Outcomes **30 Hours**

Upon completion of the course, students will be able to:

- Demonstrate proficiency in using AutoCAD software for creating and editing engineering drawings.
- Develop detailed drawings of chemical process equipment, piping systems, and instrumentation diagrams.
- Apply 3D modeling techniques to visualize and analyze chemical engineering designs.

Textbooks:

1 Shih, R. C., AutoCAD 202X Tutorial First Level 2D Fundamentals, SDC Publications, 2015.

2 Tickoo, S. K., AutoCAD for Engineers and Designers, CADCIM Technologies, 2017.

References:

1 Jefferis, A. B., Madsen, D. A., & Madsen, D. L., Engineering Drawing and Design, Cengage Learning, 2012.

2 El-Sharkawi, M. A., AutoCAD: Secrets Every User Should Know, John Wiley & Sons, 2022.

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

Affiliated to Anna University Chennai and approved by AICTE, New Delhi.

Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF CHEMICAL ENGINEERING

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on **"Autocad for Chemical Engineers"** for Fifth semester students from 19.09.22 to 23.09.22.The interested students are asked to enroll their names to the course coordinatorG.SWATHI, AP/Chemicalon or before 19.09.22.

Course Coordinators

1.G.SWATHI, AP/Chemical

2. P.INDHUMATHI, AP/Chemical

HOD/Chemical

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III/V

Name of the course: 22CMVC501 – AUTOCAD FOR CHEMICAL ENGINEERS

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
1.	20201001	ALLBRIGHT.C					
2.	20201002	ANISH.S					
3.	20201003	BAVADHARANI.G					
4.	20201004	BOOBALAN.N					
5.	20201005	DHINESH.P					
6.	20201006	GOKUL.V					
7.	20201007	GOKULA KANNAN.V					
8.	20201008	JEGAN.V					
9.	20201009	MAHENDHIRAN.M					
10.	20201010	MANOJ.K					
11.	20201011	MOHANRAJ.J					
12.	20201012	NAKSHATRA.G.U					
13.	20201013	NISHALINI.S					
14.	20201014	RAVISHANKAR.K					
15.	20201015	SABHARINATHAN.K					
16.	20201016	SANDHIYA.P					

17.	20201017	SHANKAR.S					
18.	20201018	SRI SIVA KUMAR.T					
19.	20201019	SURENDHAR.S					
20.	20201020	THILLAI SELVAN.M					
21.	20201021	VIKRAM KRISHNA.K					
22.	20201022	VINO.S					
23.	20201023	VISALACHI.B					

Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

ALLBRIGHT.C

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CMVC501 – Autocad for Chemical Engineers. The duration of the Course is 30 hours .(**19/09/2022 to 23/09/2022**) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

ANISH.S

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CMVC501 – Autocad for Chemical Engineers. The duration of the Course is 30 hours .(**19/09/2022 to 23/09/2022**) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

BAVADHARANI.G

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CMVC501 – Autocad for Chemical Engineers. The duration of the Course is 30 hours .(**19/09/2022 to 23/09/2022**) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

BOOBALAN.N

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CMVC501 – Autocad for Chemical Engineers. The duration of the Course is 30 hours .**(19/09/2022 to 23/09/2022)** .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

DHINESH.P

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CMVC501 – Autocad for Chemical Engineers. The duration of the Course is 30 hours .**(19/09/2022 to 23/09/2022)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna University & AICTE, New Delhi)

Namakkal - 637018

DEPARTMENT OF CHEMICAL ENGINEERING

Cordially invite you to the value-added course on

22CMVC601 –TESTING FOR PETROLEUM PRODUCTS

onMarch27th to 31st 2023
Venue: T304

Course Coordinators

1.G.SWATHI, AP/Chemical

2. P.INDHUMATHI, AP/Chemical

Head of the Department

Prof. R. BALASUBRAMANI

Dr. M. Premkumar
Principal

All Department Faculty Members & Students

Invite you one and all

22CMVC601 – TESTING FOR PETROLEUM PRODUCTS

Course Objectives

The course aims to enable students to:

- Understand the principles and methodologies of testing various petroleum products.
- Gain practical skills in conducting laboratory tests for the analysis of petroleum products.
- Learn the significance of testing for ensuring the quality, safety, and compliance of petroleum products.

Unit IIntroduction to Petroleum Testing 10

Overview of petroleum products and their testing requirements, Importance of quality control and quality assurance in the petroleum industry, Basic principles of laboratory testing: sampling, sample preparation, and testing procedures, Safety protocols and precautions in petroleum testing laboratories.

Unit II Physical Testing of Petroleum Products 10

Density and specific gravity measurements of crude oil and refined petroleum products, Viscosity measurements using various viscometers (e.g., Saybolt viscometer, rotational viscometer), Flash point and fire point determination for flammable liquids, Pour point and cloud point tests for assessing low-temperature properties.

Unit IIIChemical Testing of Petroleum Products 10

Distillation analysis: ASTM D86 distillation, simulated distillation (SIMDIS), Sulfur content determination by methods such as ASTM D4294, Analysis of aromatics, olefins, and saturates in petroleum fractions, testing for trace metals (e.g., nickel, vanadium) in crude oil and petroleum products.

Course Outcomes 30 Hours

Upon completion of the course, students will be able to:

- Conduct a range of laboratory tests for the analysis of petroleum products.
- Interpret test results accurately and evaluate product quality and performance.

- Apply standard testing methods and procedures in accordance with industry standards.

Textbooks:

1 Speight, J. G., The Chemistry and Technology of Petroleum, CRC Press, 2012.

2 Mokhatab, S., Handbook of Petroleum Processing, CRC Press, 2016.

References:

1 ASTM International, Annual Book of ASTM Standards: Petroleum Products, Lubricants, and Fossil Fuels, ASTM International, 2018.

2 Gary, J. H., Handbook of Petroleum Refining Processes, McGraw Hill Professional, 2012.

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DEPARTMENT OF CHEMICAL ENGINEERING

DATE: 21.03.23

CIRCULAR

It is planned to conduct Five Days Value Added Course on **"Testing for Petroleum Products"** for Sixth semester students from 27.03.23 to 31.03.23.The interested students are asked to enroll their names to the course coordinator G.SWATHI, AP/Chemical on or before 27.03.23.

Course Coordinators

1. G.SWATHI, AP/Chemical
2. P.INDHUMATH, AP/Chemical

HOD/Chemical

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(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III/VI

Name of the course: 22CMVC601 – TESTING FOR PETROLEUM PRODUCTS

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
1.	20201001	ALLBRIGHT.C					
2.	20201002	ANISH.S					
3.	20201003	BAVADHARANI.G					
4.	20201004	BOOBALAN.N					
5.	20201005	DHINESH.P					
6.	20201006	GOKUL.V					
7.	20201007	GOKULA KANNAN.V					
8.	20201008	JEGAN.V					
9.	20201009	MAHENDHIRAN.M					
10.	20201010	MANOJ.K					
11.	20201011	MOHANRAJ.J					
12.	20201012	NAKSHATRA.G.U					
13.	20201013	NISHALINI.S					
14.	20201014	RAVISHANKAR.K					
15.	20201015	SABHARINATHAN.K					
16.	20201016	SANDHIYA.P					

17.	20201017	SHANKAR.S					
18.	20201018	SRI SIVA KUMAR.T					
19.	20201019	SURENDHAR.S					
20.	20201020	THILLAI SELVAN.M					
21.	20201021	VIKRAM KRISHNA.K					
22.	20201022	VINO.S					
23.	20201023	VISALACHI.B					

Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

NISHALINI.S

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CMVC601 – Testing for Petroleum Products. The duration of the Course is 30 hours .**(27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

GOKUL.V

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CMVC601 – Testing for Petroleum Products. The duration of the Course is 30 hours (**27/03/2023 to 31/03/2023**).

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

GOKULA KANNAN.V

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CMVC601 – Testing for Petroleum Products. The duration of the Course is 30 hours .**(27/03/2023 to 31/03/2023)** .

Course Incharge

HoD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

JEGAN.V

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CMVC601 – Testing for Petroleum Products. The duration of the Course is 30 hours .**(27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

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NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

MAHENDHIRAN.M

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CMVC601 – Testing for Petroleum Products. The duration of the Course is 30 hours .**(27/03/2023 to 31/03/2023)** .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna University & AICTE, New Delhi)

Namakkal - 637018

DEPARTMENT OF CHEMICAL ENGINEERING

Cordially invite you to the value-added course on

22CMVC701 –PHYTOCHEMICAL ANALYSIS

on September 19th to 23rd 2022
Venue: T303

Course Coordinators

1.Dr.K.GOPI, ASP/Chemical

2. G.SWATHI, AP/Chemical

Head of the Department

Prof. R. BALASUBRAMANI

Dr. M. Premkumar
Principal

All Department Faculty Members & Students

Invite you one and all

22CMVC701 – PHYTOCHEMICAL ANALYSIS

Course Objectives

The course aims to enable students to:

- Understand the principles and techniques of phytochemical analysis.
- Gain practical experience in the extraction, isolation, and identification of phytochemicals from plant materials.
- Learn various qualitative and quantitative methods for analysing phytochemical constituents.

Unit I Introduction to Phytochemical Analysis 10

Definition and significance of phytochemicals in plants, Principles of phytochemical extraction and isolation techniques, Screening methods for detecting major classes of phytochemicals: alkaloids, flavonoids, phenolics, terpenoids, etc., basics of chromatographic and spectroscopic techniques in phytochemical analysis.

Unit II Extraction and Isolation of Phytochemicals 10

Solvent extraction methods for phytochemical isolation, Separation techniques: column chromatography, thin-layer chromatography (TLC), and preparative chromatography, Purification and characterization of phytochemical compounds, Safety precautions and good laboratory practices in phytochemical extraction and isolation.

Unit III Qualitative Analysis of Phytochemicals 10

Qualitative tests for the identification of major phytochemical groups, Spectroscopic techniques, UV-Vis spectroscopy, IR spectroscopy, and NMR spectroscopy in phytochemical analysis, Chromatographic methods: gas chromatography (GC) and high-performance liquid chromatography (HPLC) for qualitative analysis.

Course Outcomes 30 Hours

Upon completion of the course, students will be able to:

- Demonstrate knowledge of the principles and techniques of phytochemical analysis.

- Perform extraction, isolation, and characterization of phytochemicals from plant materials.
- Identify major phytochemical groups using qualitative tests and spectroscopic methods.

Textbooks

1 Harborne, J. B., Phytochemical Methods: A Guide to Modern Techniques of Plant Analysis, Chapman & Hall, 2022.

2 Kokate, C. K., Practical Pharmacognosy, NiraliPrakashan, 2014.

References

1 Evans, W. C., Trease and Evans' Pharmacognosy, Saunders Ltd., 2015.

2 Tyler, V. E., Brady, L. R., & Robbers, J. E., Pharmacognosy, Lea &Febiger, 2012.

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DEPARTMENT OF CHEMICAL ENGINEERING

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "**Phytochemical Analysis**" for Seventh semester students from 19.09.22 to 23.09.22.The interested students are asked to enroll their names to the course coordinator Dr.K.GOPI, ASP/Chemicalon or before 19.09.22.

Course Coordinators

1.Dr.K.GOPI, ASP/Chemical

2. G.SWATHI, AP/Chemical

HOD/Chemical

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(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV/VII

Name of the course: 22CMVC701- PHYTOCHEMICAL ANALYSIS

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
1.	19201001	ADHESH RAJ G					
2.	19201002	AJIN AT					
3.	19201003	ALEX YADHITYAN A					
4.	19201004	ARAVIND C					
5.	19201005	ARCHANA J					
6.	19201006	ASWIN N					
7.	19201007	BADRINARAYAN A					
8.	19201008	BRUNO JOSE B S					
9.	19201009	DHANUSH KUMAR S V					
10.	19201010	DHINESH KUMAR M					
11.	19201011	DINAGAR B K					
12.	19201012	EDISON C P					
13.	19201013	GOPI R					
14.	19201014	GOPINATH P					
15.	19201015	GOWTHAM E					
16.	19201016	GUNAL K					
17.	19201017	JAI SURYA KUMAR S					
18.	19201018	JAYARAJ M					

19.	19201019	JITHIN C V					
20.	19201020	KARMILA DEVI E					
21.	19201021	KARTHIKEYAN R					
22.	19201022	KAVIYARASAN R					
23.	19201023	LAKSITHA B					
24.	19201024	LEENAILAMATHI S					
25.	19201025	MADHAVAN K					
26.	19201026	MANOJ R					
27.	19201027	MUNEESWARAN M					
28.	19201030	PRATHIKSHA K					
29.	19201031	PRATHIP KUMAR S					
30.	19201032	PRAVEEN G					
31.	19201033	RAGUPATHI P					
32.	19201034	SANJAY S					
33.	19201035	SARAN KUMAR J					
34.	19201036	SATHYA PRAKASH S					
35.	19201037	SENTHIL KUMAR S					
36.	19201038	SRIDHAR R					
37.	19201039	SRI RAM T					
38.	19201040	UDHAYA KUM,AR P					
39.	19201041	VEERAMANI M					
40.	19201042	VISWAKANNAN V					
41.	19201043	YOGARAJ S					

Course Coordinators

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

ARAVIND.C

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CMVC701 – Phytochemical Analysis. The duration of the Course is 30 hours .**(19/09/2022 to 23/09/2022)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

ARCHANA.J

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CMVC701 – Phytochemical Analysis. The duration of the Course is 30 hours .(**19/09/2022 to 23/09/2022)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

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NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

ASWIN.N

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CMVC701 – Phytochemical Analysis. The duration of the Course is 30 hours .**(19/09/2022 to 23/09/2022)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

LAKSITHA.B

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CMVC701 – Phytochemical Analysis. The duration of the Course is 30 hours .(**19/09/2022 to 23/09/2022**) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

JITHIN.C.V

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CMVC701 – Phytochemical Analysis. The duration of the Course is 30 hours .**(19/09/2022 to 23/09/2022)** .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna University & AICTE, New Delhi)

Namakkal - 637018

DEPARTMENT OF CHEMICAL ENGINEERING

Cordially invite you to the value-added course on

22CMVC801 – SIMULATION SOFTWARE FOR PROCESS ENGINEERS

on March 27th to 31st 2023
Venue: T303

Course Coordinators

1. Dr.G.ELLAMPARUTHI, AP/Chemical

2. G.SWATHI, AP/Chemical

Head of the Department

Prof. R. BALASUBRAMANI

Dr. M. Premkumar
Principal

All Department Faculty Members & Students

Invite you one and all

22CMVC801 – SIMULATION SOFTWARE FOR PROCESS ENGINEERS

Course Objectives

The course aims to enable students to:

- Understand the principles and methodologies of process simulation.
- Gain proficiency in using simulation software for modelling and analysing chemical processes.
- Develop skills in constructing process flow diagrams (PFDs) and heat and material balances using simulation software.

Unit I Introduction to Process Simulation 10

Overview of process simulation: importance, applications, and benefits, Fundamentals of process modelling and simulation, Introduction to simulation software packages: features, capabilities, and comparison, basics of building process models and performing simulations.

Unit II Process Flow Diagrams and Material Balances 10

Principles of process flow diagrams (PFDs) and their importance in process simulation, Components of PFDs: unit operations, streams, and equipment, Material balance calculations in process simulation, using simulation software to develop PFDs and perform material balance calculations.

Unit III Energy Balances and Heat Exchanger Networks 10

Energy balance equations and their significance in process simulation, Heat exchanger networks, types, configurations, and analysis, performing energy balance calculations using simulation software, Optimization of heat exchanger networks using simulation tools.

Course Outcomes 30 Hours

Upon completion of the course, students will be able to:

- Demonstrate proficiency in using simulation software for modelling and analysing chemical processes.
- Develop process flow diagrams (PFDs) and perform material and energy balances using simulation tools.
- Apply dynamic simulation techniques for studying transient behaviour and process control.

Textbooks

1 Turton, R., Bailie, R. C., Whiting, W. B., &Shaeiwitz, J. A., Analysis, Synthesis and Design of Chemical Processes, Pearson, 2010.

2 Peters, M. S., Timmerhaus, K. D., & West, R. E., Plant Design and Economics for Chemical Engineers, McGraw-Hill Education, 2015.

References

1 Seider, W. D., Seader, J. D., Lewin, D. R., &Widagdo, S., Product and Process Design Principles: Synthesis, Analysis, and Evaluation, Wiley, 2012.

2 Luyben, W. L., &Tyreus, B. D., Plantwide Dynamic Simulators in Chemical Processing and Control, CRC Press, 2011.

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DEPARTMENT OF CHEMICAL ENGINEERING

DATE: 21.03.23

CIRCULAR

It is planned to conduct Five Days Value Added Course on "**Simulation Software for Process Engineers**" for Eighth semester students from 27.03.23 to 31.03.23.The interested students are asked to enroll their names to the course coordinator Dr.G.ELLAMPARUTHI, AP/Chemicalon or before 27.03.23.

Course Coordinators

1.Dr.G.ELLAMPARUTHI, AP/Chemical

2. G.SWATHI, AP/Chemical

HOD/Chemical

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV/VIII

Name of the course: 22CMVC801 – SIMULATION SOFTWARE FOR PROCESS ENGINEERING

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
1.	19201001	ADHESH RAJ G					
2.	19201002	AJIN AT					
3.	19201003	ALEX YADHITYAN A					
4.	19201004	ARAVIND C					
5.	19201005	ARCHANA J					
6.	19201006	ASWIN N					
7.	19201007	BADRINARAYAN A					
8.	19201008	BRUNO JOSE B S					
9.	19201009	DHANUSH KUMAR S V					
10.	19201010	DHINESH KUMAR M					
11.	19201011	DINAGAR B K					
12.	19201012	EDISON C P					
13.	19201013	GOPI R					
14.	19201014	GOPINATH P					
15.	19201015	GOWTHAM E					
16.	19201016	GUNAL K					
17.	19201017	JAI SURYA KUMAR S					

18.	19201018	JAYARAJ M					
19.	19201019	JITHIN C V					
20.	19201020	KARMILA DEVI E					
21.	19201021	KARTHIKEYAN R					
22.	19201022	KAVIYARASAN R					
23.	19201023	LAKSITHA B					
24.	19201024	LEENAILAMATHI S					
25.	19201025	MADHAVAN K					
26.	19201026	MANOJ R					
27.	19201027	MUNEESWARAN M					
28.	19201030	PRATHIKSHA K					
29.	19201031	PRATHIP KUMAR S					
30.	19201032	PRAVEEN G					
31.	19201033	RAGUPATHI P					
32.	19201034	SANJAY S					
33.	19201035	SARAN KUMAR J					
34.	19201036	SATHYA PRAKASH S					
35.	19201037	SENTHIL KUMAR S					
36.	19201038	SRIDHAR R					
37.	19201039	SRI RAM T					
38.	19201040	UDHAYA KUM,AR P					
39.	19201041	VEERAMANI M					
40.	19201042	VISWAKANNAN V					
41.	19201043	YOGARAJ S					

Course Coordinators

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

KARMILA DEVI.E

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CMVC801 – Simulation Software for Process Engineering. The duration of the Course is 30 hours .(**27/03/2023 to 31/03/2023**) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

GOPI.R

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CMVC801 – Simulation Software for Process Engineering. The duration of the Course is 30 hours .(**27/03/2023 to 31/03/2023**) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

EDISON.C.P

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CMVC801 – Simulation Software for Process Engineering. The duration of the Course is 30 hours .**(27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

AJIN.A.T

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CMVC801 – Simulation Software for Process Engineering. The duration of the Course is 30 hours .**(27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Chemical Engineering

CERTIFICATE

This is to certify that

BRUNO JOSE B.S

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CMVC801 – Simulation Software for Process Engineering. The duration of the Course is 30 hours .(**27/03/2023 to 31/03/2023)** .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

DATE 15.09.2022

CIRCULAR

It is planned to conduct Value Added Course on **"22CEVC301 – PLUMBING"** for the students of Second Year (Odd semester) in the AY 2022-2023 from 19.09.2022 to 23.09.2022. The interested students are asked to enroll their names to the course coordinator Mrs.S.Rajeswari, AP/Civil on or before 17.09.2022.

Course Coordinator: Mrs.S.Rajeswari, AP/Civil

HOD/Civil

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PAAVAI ENGINEERING COLLEGE, NAMAKKAL – 637 018

(AUTONOMOUS)

DEPARTMENT OF CIVIL ENGINEERING

VALUE ADDED COURSE

22CEVC301- PLUMBING

- This course emphasizes the responsibility of the engineer to distribute the water to all the people without any interruptions.
- The objectives of the course are design the efficient water supply and distribution system, proper sewage and wastewater disposal.

Date : 19/09/2022 to 23/09/2022

Venue: Engineering Practices laboratory

Course Incharge: Mrs.S.Rajeswari, AP/Civil

22CEVC301 **PLUMBING**

COURSE OBJECTIVE

To enable the students to

- install& repair plumbing systems including those of advanced sanitary fixtures as per specification in housing, commercial and industrial setup.

MODULE I

Importance of the trade - Types of files, pipes- Marking, filing, drilling - uses of Carpenter's hand Tools - Practice of gas welding - Use of mason hand tools-Water distribution system-Fixing of different pipe Accessories-Use & fixing of P.V.C. pipe fittings-Types of traps.

TOTAL PERIODS **30**

COURSE OUTCOMES

Upon the completion of this course, the students will be able to

- install and repair Plumbing systems in a Building.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2022-23

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/III

Name of the course : 22CEVC301- PLUMBING

S.No	Register Number	Student Name	19/9/22	20/9/22	21/09/22	22/09/22	23/09/22
1	622121103001	AKALYA.T	/	/	/	/	/
2	622121103002	AKASH.R	/	/	/	/	/
3	622121103003	ASWIN.P	/	/	/	/	/
4	622121103005	DEEPAUK.R.D	/	/	AB	/	/
5	622121103006	DHANUSH.L	/	/	/	/	/
6	622121103009	GOVINDARAJ.G	/	/	/	/	/
7	622121103010	JAISURYA.S	AB	/	/	/	/
8	622121103011	KARTHIKEYAN.K.P	/	/	/	AB	/
9	622121103012	KOWSHIKA.K.E	/	/	/	/	/
10	622121103013	MOHANRAJ.E	/	AB	/	/	/
11	622121103014	MUTHAIYA MURALITHARAN.T	/	/	/	/	/
12	622121103015	NEETHU.G	/	/	/	/	/
13	622121103016	PANDIYARAJAN.M	/	/	/	/	/
14	622121103017	PERIKALA ABHISHEK	/	/	/	/	/
15	622121103018	PRAVEEN.L	/	/	/	/	AB
16	622121103021	SANDHIYA.K	/	/	/	/	/
17	622121103022	SARATHI.B	/	/	/	/	/
18	622121103024	SIVA.S	/	/	/	/	/
19	622121103025	SUDHA.M	/	/	/	/	/
20	622121103027	VIKRAM.S	/	/	/	/	/

21	622121103028	VISHWA.K	/	/	/	/	/
22	622121103030	KEERTHANA.R	/	/	/	/	/
23	622121103301	KALAIVENDHAN M	/	/	/	/	/
24	622121103302	MALAIAPPAN @ MAHESH S	AB	AB	AB	AB	AB
25	622121103307	SRIRAM R	AB	AB	AB	AB	AB

Course Coordinator

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

JAISURYA S

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CEVC301 – Plumbing. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

KOWSHIKA K E

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CEVC301 – Plumbing. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

SANDHIYA K

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CEVC301 – Plumbing. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

SUDHA M

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CEVC301 – Plumbing. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

KEERTHANA R

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CEVC301 – Plumbing. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

DATE 15.09.2022

CIRCULAR

It is planned to conduct Value Added Course on **"22CEVC501 – DIGITAL SURVEYING"** for the students of Third Year (Odd semester) in the AY 2022-2023 from 19.09.2022 to 23.09.2022. The interested students are asked to enroll their names to the course coordinator Mr.P.vignesh, AP/Civil on or before 17.09.2022.

Course Coordinator: Mr.P.Vignesh, AP/Civil

HOD/Civil

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PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

DATE 15.09.2022

CIRCULAR

It is planned to conduct Value Added Course on **"22CEVC501 – DIGITAL SURVEYING"** for the students of Third Year (Odd semester) in the AY 2022-2023 from 19.09.2022 to 23.09.2022. The interested students are asked to enroll their names to the course coordinator Mr.P.vignesh, AP/Civil on or before 17.09.2022.

Course Coordinator: Mr.P.Vignesh, AP/Civil

HOD/Civil

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22CEVC501 **DIGITAL SURVEYING**

COURSE OBJECTIVE

To enable the students to

- acquire basic knowledge of digital surveying and mapping of earth surface using total station, GPS and mapping software.

MODULE I

Fundamentals of Land Surveying & GPS - Global Positioning System (GPS) - Total Station - Digital Land Surveying - Digital Mapping (DM) - Digital Data Manipulation (DDM) - Digital Land Surveying and Mapping (DLS&M)

TOTAL PERIODS 30

COURSE OUTCOMES

Upon the completion of this course, the students will be able to

- work and demonstrate of a digital land surveying and mapping of an area.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2022-23

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III/V

Name of the course : 22CEVC501- DIGITAL SURVEYING

S.No	Register Number	Student Name	19/9/22	20/9/22	21/9/22	22/9/22	23/9/22
1	20103002	DEVENTHIRAN.E	/	/	/	/	/
2	20103003	DHARANI.V	/	/	/	/	/
3	20103004	DHARUN.D	/	/	/	/	/
4	20103005	GOHULA KRISHNAN.K	/	/	/	/	/
5	20103006	GOKUL.M	AB	/	/	/	/
6	20103008	HUMAIRA.M	/	/	/	/	/
7	20103010	PRASANNA .S	/	/	AB	/	/
8	20103011	PRAVEEN.G	/	/	/	/	/
9	20103012	PRIYADHARSAN.T	/	/	/	/	/
10	20103013	RANJITH.P	/	/	/	/	/
11	20103014	RUBHINI.S	/	/	/	/	/
12	20103015	SARANKUMAR.S	/	/	/	/	/
13	20103016	SHARUMATHI.R	/	/	/	/	/
14	20103017	THENSWETHA.P.N	/	/	/	/	/
15	20103301	AAZIK RASUL. M	/	/	/	/	/
16	20103302	ARUNACHALAM.N	/	/	/	/	/
17	20103305	KASTHURI. P	/	/	/	/	/
18	20103306	KEERTHIKA.P	/	/	/	/	/
19	20103308	PRAVEEN. A	/	/	/	/	/
20	20103309	RAJA. T	/	/	/	/	/

21	20103310	SOUNDHARYA. A	/	/	/	/	/
22	20103311	TAMILARASAN	/	/	AB	/	/
23	20103315	JAIKARAS.R	AB	AB	AB	AB	AB

Course Coordinator

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

DEVENTHIRAN E

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CEVC501 – Digital Surveying. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

PRAVEEN G

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CEVC501 – Digital Surveying. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

RANJITH P

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CEVC501 – Digital Surveying. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

SARANKUMAR S

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CEVC501 – Digital Surveying. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022)** .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

KEERTHIKA P

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CEVC501 – Digital Surveying. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

DATE 15.09.2022

CIRCULAR

It is planned to conduct Value Added Course on **"22CEVC701 – 2D DRAFTING BY AUTOCAD "** for the students of final Year (Odd semester) in the AY 2022-2023 from 19.09.2022 to 23.09.2022. The interested students are asked to enroll their names to the course coordinator Mr.A.Jayapal, AP/Civil on or before 17.09.2022.

Course Coordinator: Mr.A.Jayapal, AP/Civil

HOD/Civil

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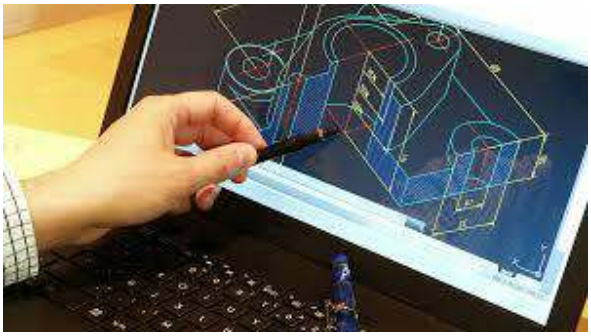
PAAVAI ENGINEERING COLLEGE, NAMAKKAL – 637 018

(AUTONOMOUS)

DEPARTMENT OF CIVIL ENGINEERING

VALUE ADDED COURSE

22CEVC701 – 2D DRAFTING BY AUTOCAD



- AUTOCAD is the advanced software also known as Computer Aided Design, Which helps us to design various construction projects and design of different systems.
- This course also covers the topics such as Geometric constructions, Orthographic Projections, Isometric projections, Oblique projections, Hatching, Missing lines & Missing views, Angular perspective view and space Geometry, True length, Point view, Slope of oblique lines, Intersection of solids, Development of surfaces.

Date : 19/09/2022 to 23/09/2022

Venue: CADD Laboratory

Course Incharge: Mr.A.Jayapal, AP/Civil

22CEVC701 2D DRAFTING BY AUTOCAD

COURSE OBJECTIVE

To enable the students to

- create a basic 2D drawing in the AutoCAD software

MODULE I

Introduction to CAD Industry - Working with Coordinate System - Isometric Drawings - Creating Objects in AutoCAD - Editing Methods - Annotations and Dimensions - Layout Management - Scale Setting and Plotting - Import, Export and Printing

TOTAL PERIODS 30

COURSE OUTCOMES

Upon the completion of this course, the students will be able to

- create a 2D drawings of different structures using AutoCAD software.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2022-23

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV/VII

Name of the course : 22CEVC701 2D DRAFTING BY AUTOCAD

S.No	Register Number	Student Name	19/9/22	20/9/22	21/9/22	22/9/22	23/9/22
1	19103002	CARMAL MARY JOY	/	/	/	/	/
2	19103004	A. IGNASHIOUS PINTO	/	/	/	/	/
3	19103006	V. MANOSRI	/	/	/	/	/
4	19103007	M.MUKILARASU	/	/	/	/	/
5	19103009	P. NIMAL RAJ	/	/	/	/	/
6	19103010	K. PRADEEPKUMAR	/	/	/	/	/
7	19103011	R.PRADEEP	/	/	/	/	/
8	19103012	G.PRAVEEN KUMAR	/	/	/	/	/
9	19103013	C.PRIYADARSHINI	/	/	/	/	/
10	19103014	M.PRIYAHARUN	/	/	/	/	/
11	19103015	V. RAM PRASATH	/	/	/	/	/
12	19103020	C. SUGAPRIYA	/	/	/	/	/
13	19103021	S. SURENDHAR	/	/	/	/	/
14	19103022	K. SURESH	/	/	/	/	/
15	19103023	R.SURYA	/	/	/	/	/
16	19103024	S.THANGAPANDI	AB	/	/	/	/
17	19103025	S.UDHAYAKUMARAN	/	/	/	/	/
18	19103027	S.VEERESWARAN	/	/	/	/	/
19	19103302	B.ARULKUMAR	/	/	/	AB	/
20	19103303	DURGA DEVI	/	/	/	/	/

21	19103304	M. LAKSHMANAN	/	/	/	/	AB
22	19103305	M.RAMAN	/	/	/	/	/
23	19103307	A.C.SHOWBHAKIYAWATHY	/	AB	/	/	/
24	19103308	S.VASANTHAKUMAR	/	/	/	/	/
25	19103309	T.ATCHAYA	/	/	/	/	/
26	19103310	R.JAIHINTH	/	/	/	/	/
27	19103311	G.SOWMIYA	/	/	/	/	/

Course Coordinator

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

MANOSRI V

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CEVC701 – 2D Drafting by Autocad. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

PRADEEP R

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CEVC701 – 2D Drafting by Autocad. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

SURESH K

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CEVC701 – 2D Drafting by Autocad. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

UDHAYAKUMARAN S

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CEVC701 – 2D Drafting by Autocad. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

ARULKUMAR B

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CEVC701 – 2D Drafting by Autocad. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF STRUCTURAL ENGINEERING

DATE 15.09.2022

CIRCULAR

It is planned to conduct Value Added Course on **"22PSEVC101 – DESIGN OF URBAN WATER MANAGEMENT STRUCTURES"** for the students of First Year (Odd semester) in the AY 2022-2023 from 19.09.2022 to 23.09.2022. The interested students are asked to enroll their names to the course coordinator Mr.M.Rajkannan, AP/Civil on or before 17.09.2022.

Course Coordinator: Mr.M.Rajkannan, AP/Civil

HOD/Civil

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PAAVAI ENGINEERING COLLEGE, NAMAKKAL – 637 018

(AUTONOMOUS)

DEPARTMENT OF STRUCTURAL ENGINEERING

VALUE ADDED COURSE

22PSEVC101 – DESIGN OF URBAN WATER MANAGEMENT STRUCTURES

- The course mainly emphasis on thedetermination of design rainfall and calculation runoff using rational method, SCS curve number method and unit hydrograph theory.
- This course also includes the topics such as rainfall temporal and spatial variation, design rainfall and hydrologic risk, Detention storage design, SCS CN method, Hydrographs, SCs triangular and curvilinear unit hydrographs, Superposition, computing runoff hydrographs from unit hydrograph theory.

Date : 19/09/2022 to 23/09/2022

Venue: T229

Course Incharge: Mr.M.Rajkannan, AP/Civil

22PSEVC101 DESIGN OF URBAN WATER MANAGEMENT STRUCTURES

COURSE OBJECTIVE

To enable the students to

- Learn about spatial distribution of rainfall, perform statistical analysis, fit different distributions to the data, and calculate design rainfall.

MODULE I

Compute design rainfall, calculate runoff and storm water flows; design storm sewer systems and detention storage structures- Rainfall temporal and spatial variation, design rainfall and hydrologic risk Runoff using Rational Method, storm sewer design -Detention storage design, SCS CN method Hydrographs, SCS triangular and curvilinear unit hydrographs Superposition, computing runoff hydrographs from unit hydrograph theory

TOTAL PERIODS 30

COURSE OUTCOMES

Upon the completion of this course, the students will be able to

- analyse and design storm sewer systems and detention storage volumes by rational method

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF STRUCTURAL ENGINEERING

Academic Year: 2022-23

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : I/I

Name of the course : 22PSEVC101 – DESIGN OF URBAN WATER MANAGEMENT

STRUCTURES

S.No	Register Number	Student Name	19/9/22	20/9/22	21/9/22	22/9/22	23/9/22
1	622122307001	ARULMANI C	/	/	/	/	/
2	622122307002	CHANDRU P	/	/	/	/	/
3	622122307003	CHRISTINA MARY D	AB	AB	AB	AB	AB
4	622122307004	GOKUL KANNAN K	AB	AB	AB	AB	AB
5	622122307005	GOWTHAM R	/	/	/	/	/
6	622122307006	KAMALI THARANI N	/	/	/	/	/
7	622122307007	KAVIYARASAN C	/	/	/	/	/
8	622122307008	MANIKANDAN M	/	/	/	/	/
9	622122307009	MANOJ KUMAR S	/	/	/	/	/
10	622122307010	PARTHIBAN P	/	/	/	/	/
11	622122307011	POOTHATHAN V	/	/	/	/	/
12	622122307013	RAYOR ANTONYRAJ A	/	/	/	/	/
13	622122307014	SHEKMOHAMMED SHAHUL K S	AB	AB	AB	AB	AB
14	622122307016	SUTHAKAR D	AB	AB	AB	AB	AB

Course Coordinator

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

ARULMANI C

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 22PSEVC101 – Design of Urban water management structures. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

CHANDRU P

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 22PSEVC101 – Design of Urban water management structures. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

GOWTHAM R

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 22PSEVC101 – Design of Urban water management structures. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

MANIKANDAN C

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 22PSEVC101 – Design of Urban water management structures. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

SUTHAKAR D

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 22PSEVC101 – Design of Urban water management structures. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF STRUCTURAL ENGINEERING

DATE 15.09.2022

CIRCULAR

It is planned to conduct Value Added Course on **"22PSEVC301 – RESERVOIR GEOMECHANICS"** for the students of Second Year (Odd semester) in the AY 2022-2023 from 19.09.2022 to 23.09.2022. The interested students are asked to enroll their names to the course coordinator Ms.S.Gayathri, AP/Civil on or before 17.09.2022.

Course Coordinator: Ms.S.Gayathri, AP/Civil

HOD/Civil

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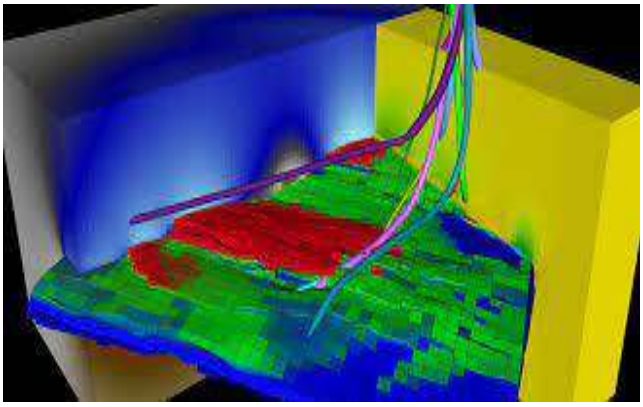
PAAVAI ENGINEERING COLLEGE, NAMAKKAL – 637 018

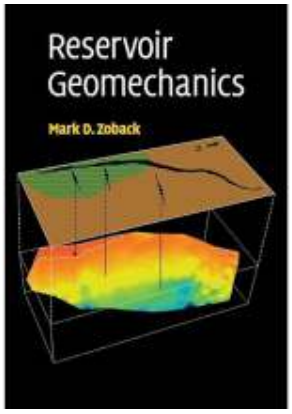
(AUTONOMOUS)

DEPARTMENT OF STRUCTURAL ENGINEERING

VALUE ADDED COURSE

22PSEVC301 – RESERVOIR GEOMECHANICS





- The course is intended for engineers in the petroleum and geothermal industries, and for research scientists interested in stress measurements and their application to problems of faulting and fluid flow in the crust.
- The course considers key practical issues such as prediction of pore pressure, estimation of hydrocarbon column heights and fault seal potential, determination of optimally stable well trajectories, casing set points and mud weights, changes in reservoir performance during depletion, and production-induced faulting and subsidence.

Date : 19/09/2022 to 23/09/2022

Venue: T225

Course Incharge: Ms.S.Gayathri, AP/Civil

22PSEVC301 **RESERVOIR GEOMECHANICS**

COURSE OBJECTIVE

To enable the students to

- understand the concepts of hydrocarbon plant design.

MODULE I

Basic Principles- The tectonic stress field -Pore pressure at depth in sedimentary basins- Basic constitutive laws- Rock failure in compression, tension and shear Fractures and faults in three dimensions- Measuring Stress Orientation and Magnitude- Compressive and tensile failures in vertical wells - Determination of S3 from mini fracks and extended leak-off tests and constraining the magnitude of SH max from wellbore failures in vertical wells- Wellbore failure and stress determination in deviated wells Stress fields - from tectonic plates to reservoirs around the world -Applications Minimizing wellbore instability- Critically stressed faults and fluid flow- Reservoir depletion

TOTAL PERIODS 30

COURSE OUTCOMES

Upon the completion of this course, the students will be able to

- estimate of hydrocarbon column heights and fault seal potential.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF STRUCTURAL ENGINEERING

Academic Year: 2022-23

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/III

Name of the course : 22PSEVC301 – RESERVOIR GEOMECHANICS

S.No	Register Number	Student Name	19/9/22	20/9/22	21/9/22	22/9/22	23/9/22
1	622121307001	KAVINKUMAR P	/	/	/	/	/
2	622121307002	MANOJPRABU C	/	/	/	/	/
3	622121307003	MANORANJAN P	/	/	/	/	/
4	622121307004	NAVEEN KUMAR M	/	/	/	/	/
5	622121307005	NITHISH N	/	/	/	/	/
6	622121307006	NIVEDHA SREE A	/	/	/	/	/
7	622121307007	PRAVEENKUMAR. C	/	/	/	/	/
8	622121307008	PRIYANKA A	/	/	/	/	/
9	622121307010	SENTHAMIL SELVAN P	/	/	/	/	/
10	622121307011	SHRUDHI A	AB	AB	AB	AB	AB
11	622121307012	SIVA BALAJI K R	/	/	/	/	/
12	622121307014	SURYA G	/	/	/	/	/
13	622121307015	UTHAYAKUMAR G	/	/	/	/	/
14	622121307018	YOGAVIDHYA V	/	/	/	/	/

Course Coordinator

HOD

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

KAVINKUMAR P

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22PSEVC301 – Reservoir Geomechanics. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

NITHISH N

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22PSEVC301 – Reservoir Geomechanics. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

NIVEDHA SREE A

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22PSEVC301 – Reservoir Geomechanics. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022)** .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

PRIYANKA A

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22PSEVC301 – Reservoir Geomechanics. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

SURYA G

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22PSEVC301 – Reservoir Geomechanics. The duration of the Course is 30 hours .

(**19/09/2022 to 23/09/2022)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

DATE 22.03.2023

CIRCULAR

It is planned to conduct Value Added Course on **"22CEVC401 – BRICK LAYING"** for the students of Second Year (Even semester) in the AY 2022-2023 from 27.03.2023 to 31.03.2023. The interested students are asked to enroll their names to the course coordinator Mr.P.Vignesh, AP/Civil on or before 24.03.2023.

Course Coordinator: Mr.P.Vignesh, AP/Civil

HOD/Civil

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PAAVAI ENGINEERING COLLEGE, NAMAKKAL – 637 018

(AUTONOMOUS)

DEPARTMENT OF CIVIL ENGINEERING

VALUE ADDED COURSE

22CEVC401- BRICK LAYING

- This course emphasizes the responsibility of the bricklayer to work professionally in order to meet the requirements of the customer and thus maintain and grow the business.
- The objective of the course is to working harmoniously with other trades in order to optimize efficiency and minimize mistakes.

Date : 27.03.2023 to 31.03.2023

Venue: PMCH

Course Incharge: Mr.P.Vignesh, AP/Civil

22CEVC401 **BRICK LAYING**

COURSE OBJECTIVE

To enable the students to,

- gain knowledge in types of bricks masonry

MODULE I

Introduction – types of bricks, size of bricks, Materials needed –bonds in brick work –stretcher bond, header bond, English bond, Flemish bond. facing bond, English cross bond, Dutch bond, raking bond, zigzag band, garden wall bonds – bond at connections, bond in brick piers, bond in footings.

MODULE II

Hands on Training on arrangement of bricks – quantity calculation of bricks – Preparation of foundation – Mixing of Mortar – tools for brick laying - brick laying – supervision of brick work –defects in brick masonry –strength of brick masonry-thickness of a brick wall - Laying of bricks.

TOTAL PERIODS **30**

COURSE OUTCOMES

Upon the completion of this course, the students will be able to

- gain an in-depth understanding about the laying of bricks

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2022-23

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/IV

Name of the course : 22CEVC401- BRICK LAYING

S.No	Register Number	Student Name	27/3/23	28/3/23	29/3/23	30/3/23	31/3/23
1	622121103001	AKALYA.T	/	/	/	/	/
2	622121103002	AKASH.R	/	/	/	/	/
3	622121103003	ASWIN.P	/	/	/	/	/
4	622121103005	DEEPAUK.R.D	AB	/	/	/	/
5	622121103006	DHANUSH.L	/	/	/	/	/
6	622121103009	GOVINDARAJ.G	/	/	/	/	AB
7	622121103010	JAISURYA.S	/	/	AB	/	/
8	622121103011	KARTHIKEYAN.K.P	AB	/	/	/	/
9	622121103012	KOWSHIKA.K.E	/	/	/	/	/
10	622121103013	MOHANRAJ.E	/	AB	/	/	/
11	622121103014	MUTHAIYA MURALITHARAN.T	/	/	/	/	/
12	622121103015	NEETHU.G	/	/	/	/	/
13	622121103016	PANDIYARAJAN.M	/	/	/	/	/
14	622121103017	PERIKALA ABHISHEK	/	/	/	AB	/
15	622121103018	PRAVEEN.L	/	/	/	/	/
16	622121103021	SANDHIYA.K	/	/	/	/	/
17	622121103022	SARATHI.B	/	/	/	/	/
18	622121103024	SIVA.S	/	/	/	/	/
19	622121103025	SUDHA.M	/	/	/	/	/
20	622121103027	VIKRAM.S	/	/	/	/	/

21	622121103028	VISHWA.K	/	/	/	/	/
22	622121103030	KEERTHANA.R	/	/	/	/	/
23	622121103301	KALAIVENDHAN M	/	/	/	/	/
24	622121103302	MALAIAPPAN @ MAHESH S	AB	AB	AB	AB	AB
25	622121103307	SRIRAM R	AB	AB	AB	AB	AB
26	622121103501	ALUBILLI PARVATHI	/	/	AB	/	/

Course Coordinator

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

AKALYA T

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CEVC401 –Brick laying. The duration of the Course is 30 hours .

(**27/03/2023 to 31/03/2023**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

DHANUSH L

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CEVC401 –Brick laying. The duration of the Course is 30 hours .

(**27/03/2023 to 31/03/2023**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

MUTHAIYA MURALITHARAN T

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CEVC401 –Brick laying. The duration of the Course is 30 hours .

(**27/03/2023 to 31/03/2023**) .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

SARATHI B

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CEVC401 –Brick laying. The duration of the Course is 30 hours .

(**27/03/2023 to 31/03/2023**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

SIVA S

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22CEVC401 –Brick laying. The duration of the Course is 30 hours .

(**27/03/2023 to 31/03/2023**) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

DATE: 22.03.2023

CIRCULAR

It is planned to conduct Value Added Course on **"22CEVC601 – PAINTING"** for the students of Third Year (Even semester) in the AY 2022-2023 from 27.03.2023 to 31.03.2023. The interested students are asked to enroll their names to the course coordinator Mrs.B.Karthiga, AP/Civil on or before 24.03.2023.

Course Coordinator: Mrs.B.Karthiga, AP/Civil

HOD/Civil

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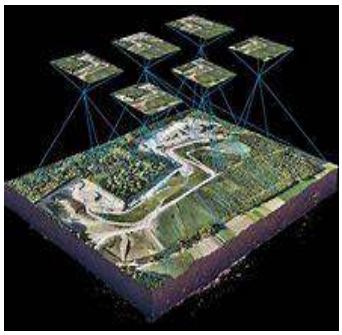
PAAVAI ENGINEERING COLLEGE, NAMAKKAL – 637 018

(AUTONOMOUS)

DEPARTMENT OF CIVIL ENGINEERING

VALUE ADDED COURSE

22CEVC501 - DIGITAL SURVEYING



- This course has emphasizes on Digital land surveying with GPS and Mapping software aspects within the broad subject areas of Digital land surveying.
- The objective of the course is to provide basics of digital surveying and mapping of earth surface using total station, GPS and mapping software. It deals with data reduction, digital surveying procedure and mapping of an area

Date : 19/09/2022 to 23/09/2022

Venue: Surveying Laboratory

Course Incharge: Mr.P.Vignesh, AP/Civil

22CEVC601 **PAINTING**

COURSE OBJECTIVE

To enable the students to

- gain knowledge on various painting works

MODULE I

Introduction –paints and painting –characteristics of an ideal paint - Objects of painting work – types of painting work – tools required for painting work, types of paints– painting work procedure, member of coats –estimation of wall painting work for 10sq.m. surface – painting work mode of measurement. Painting in different surfaces – defects in painting; Varnishing – distempering –white washing and colour washing.

TOTAL PERIODS 30

COURSE OUTCOMES

Upon the completion of this course, the students will be able to

- describe about various tools and guidelines of painting work

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2022-23

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III/VI

Name of the course : 22CEVC601- PAINTING

S.No	Register Number	Student Name	27/3/23	28/3/23	29/3/23	30/3/23	31/3/23
1	20103002	DEVENTHIRAN.E	/	/	/	/	/
2	20103003	DHARANI.V	/	/	/	/	/
3	20103004	DHARUN.D	/	/	/	/	/
4	20103005	GOHULA KRISHNAN.K	/	/	/	/	/
5	20103006	GOKUL.M	/	/	AB	/	/
6	20103008	HUMAIRA.M	/	/	/	/	/
7	20103010	PRASANNA .S	AB	/	/	/	/
8	20103011	PRAVEEN.G	/	/	/	/	/
9	20103012	PRIYADHARSAN.T	/	/	/	/	/
10	20103013	RANJITH.P	/	/	/	/	/
11	20103014	RUBHINI.S	/	/	/	/	/
12	20103015	SARANKUMAR.S	/	/	/	/	/
13	20103016	SHARUMATHI.R	/	/	/	/	/
14	20103017	THENSWETHA.P.N	/	/	/	/	/
15	20103301	AAZIK RASUL. M	/	/	/	/	/
16	20103302	ARUNACHALAM.N	/	/	/	/	/
17	20103305	KASTHURI. P	/	/	/	/	/
18	20103306	KEERTHIKA. P	/	/	/	/	/
19	20103308	PRAVEEN. A	/	/	/	/	AB
20	20103309	RAJA. T	/	/	/	/	/

21	20103310	SOUNDHARYA. A	/	/	/	/	/
22	20103311	TAMILARASAN	/	AB	/	/	/
23	20103315	JAIKARAS.R	AB	AB	AB	AB	AB

Course Coordinator

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

DHARANI V

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CEVC601 Painting. The duration of the Course is 30hours .(**27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

HUMAIRA M

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CEVC601 Painting. The duration of the Course is 30hours .(**27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

RUBHINI S

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CEVC601 Painting. The duration of the Course is 30hours .(**27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

ARUNACHALAM N

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CEVC601 Painting. The duration of the Course is 30hours .(**27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

RAJA T

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22CEVC601 Painting. The duration of the Course is 30hours .(**27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

DATE: 22.03.2023

CIRCULAR

It is planned to conduct Value Added Course on **"22CEVC801 – QUANTITY CALCULATION FOR RESIDENTIAL BUILDING"** for the students of Final Year (Even semester) in the AY 2022-2023 from 27.03.2023 to 31.03.2023. The interested students are asked to enroll their names to the course coordinator Prof.K.Sharmiladevi, HoD/Civil on or before 24.03.2023.

Course Coordinator: Prof.K.Sharmiladevi, HoD/Civil

HOD/Civil

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PAAVAI ENGINEERING COLLEGE, NAMAKKAL – 637 018

(AUTONOMOUS)

DEPARTMENT OF CIVIL ENGINEERING

VALUE ADDED COURSE

22CEVC801 – QUANTITY CALCULATION FOR RESIDENTIAL BUILDING

- To ascertain the necessary amount required by the owner to complete the proposed work or project and arrange the required fund accordingly
- Objective of the course is to prepare construction cost estimates that allow the contractor to choose profitable work by competitive bidding process.
- To check and verify the work which maximizes the accuracy of the estimate. To generate the highest volume of the estimating work with the available resources to maximize the productivity.

Date : 27.03.2023 to 31.03.2023

Venue: PMCH

Course Incharge: Mrs.K.Sharmiladevi, HoD/Civil

22CEVC801 QUANTITY CALCULATION FOR RESIDENTIAL BUILDING

COURSE OBJECTIVE

To enable the students to

- estimate the quantity of item of works involved in residential building

MODULE I

Excavation Quantity - Calculate Rubble soling Quantity (Specially for Weak Soil) - Sand Filling Quantity - PCC Quantity – Calculation of water Required for 1 bag of cement - Footing Shuttering Quantity - Concrete Quantity - Brick work and Plastering

TOTAL PERIODS 30

COURSE OUTCOMES

Upon the completion of this course, the students will be able to

- compute the various quantities required for residential building

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2022-23

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV/VIII

Name of the course : 22CEVC801 QUANTITY CALCULATION FOR RESIDENTIAL BUILDING

S.No	Register Number	Student Name	27/3/23	28/3/23	29/3/23	30/3/23	31/2/23
1	19103002	CARMAL MARY JOY	/	/	/	/	/
2	19103004	A. IGNASHIOUS PINTO	/	/	/	/	/
3	19103006	V. MANOSRI	/	/	/	/	/
4	19103007	M.MUKILARASU	/	/	/	/	/
5	19103009	P. NIMAL RAJ	/	/	/	/	/
6	19103010	K. PRADEEPKUMAR	/	/	/	/	/
7	19103011	R.PRADEEP	/	/	/	/	/
8	19103012	G.PRAVEEN KUMAR	/	/	/	/	/
9	19103013	C.PRIYADARSHINI	/	/	/	/	/
10	19103014	M.PRIYAHARUN	/	/	/	/	/
11	19103015	V. RAM PRASATH	/	/	/	/	/
12	19103020	C. SUGAPRIYA	/	/	/	/	/
13	19103021	S. SURENDHAR	/	/	/	/	/
14	19103022	K. SURESH	/	/	/	/	/
15	19103023	R.SURYA	/	/	/	/	/
16	19103024	S.THANGAPANDI	/	/	/	/	AB
17	19103025	S.UDHAYAKUMARAN	/	/	/	/	/
18	19103027	S.VEERESWARAN	/	/	/	/	/
19	19103302	B.ARULKUMAR	/	/	/	/	/
20	19103303	DURGA DEVI	/	/	/	/	/

21	19103304	M. LAKSHMANAN	/	/	/	/	/
22	19103305	M.RAMAN	AB	/	/	/	/
23	19103307	A.C.SHOWBHAKIYAWATHY	/	/	/	/	/
24	19103308	S.VASANTHAKUMAR	/	/	/	/	/
25	19103309	T.ATCHAYA	/	/	/	/	/
26	19103310	R.JAIHINTH	/	/	/	/	/
27	19103311	G.SOWMIYA	/	/	/	/	/

Course Coordinator

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

CARMAL MARY JOY

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CEVC801 Quantity Calculation for Residential Building. The duration of the Course is 30hours .(**27.03.2023 to 31.03.2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

PRADEEP R

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CEVC801 Quantity Calculation for Residential Building. The duration of the Course is 30hours .(**27.03.2023 to 31.03.2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

SUGAPRIYA C

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CEVC801 Quantity Calculation for Residential Building. The duration of the Course is 30hours .(**27.03.2023 to 31.03.2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

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NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

ARULKUMAR B

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CEVC801 Quantity Calculation for Residential Building. The duration of the Course is 30hours .(**27.03.2023 to 31.03.2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Civil Engineering

CERTIFICATE

This is to certify that

ATCHAYA T

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 22CEVC801 Quantity Calculation for Residential Building. The duration of the Course is 30hours .(**27.03.2023 to 31.03.2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF STRUCTURAL ENGINEERING

DATE: 22.03.2023

CIRCULAR

It is planned to conduct Value Added Course on **"22PSEVC201 – WAVE-BASED NDT METHODS"** for the students of First Year (Even semester) in the AY 2022-2023 from 27.03.2023 to 31.03.2023. The interested students are asked to enroll their names to the course coordinator Mr.N.Moorthi, AP/Civil on or before 24.03.2023.

Course Coordinator: Mr.N.Moorthi, AP/Civil

HOD/Civil

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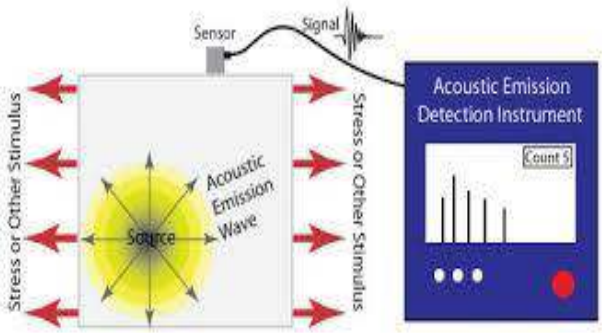
PAAVAI ENGINEERING COLLEGE, NAMAKKAL – 637 018

(AUTONOMOUS)

DEPARTMENT OF STRUCTURAL ENGINEERING

VALUE ADDED COURSE

22PSEVC201 – WAVE-BASED NDT METHODS



- Wave-based NDT methods allow for reliable and rapid evaluation of civil engineering infrastructure. These methods are particularly useful in long-range inspection, for example, in pipelines, where the wave-based NDT can provide data on hundreds of meters of piping in a matter of seconds.

Date : 27.03.2023 to 31.03.2023

Venue: Structural Laboratory

Course Incharge: Mr.N.Moorthi, AP/Civil

22PSEVC201 **WAVE-BASED NDT METHODS**

COURSE OBJECTIVE

To enable the students to

- Learn the basic principles of various wave-based NDT techniques

MODULE I

Wave-based NDT methods- ultrasonic inspection, acoustic emission, resonant frequency testing, and electromechanical impedance testing- long-range inspection; for example, in pipelines, Piezoelectric effect, basic principles of various wave-based NDT methods, and their associated data acquisition.

Applications on wave-based NDT techniques, ultrasonic testing, acoustic emission to inspect the structural integrity of civil engineering structures, including highways, bridges, dams, and buildings.

TOTAL PERIODS 30

COURSE OUTCOMES

Upon the completion of this course, the students will be able to

- Interpret the obtained data of wave-based NDT methods

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF STRUCTURAL ENGINEERING

Academic Year: 2022-23

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : I/II

Name of the course : 22PSEVC201 - WAVE – BASED NDT METHODS

S.No	Register Number	Student Name	27/3/23	28/3/23	29/3/23	30/3/23	31/3/23
1	622122307001	ARULMANI C	/	/	/	/	/
2	622122307005	GOWTHAM R	AB	/	/	/	/
3	622122307006	KAMALI THARANI N	/	/	/	/	/
4	622122307007	KAVIYARASAN C	/	/	/	AB	/
5	622122307008	MANIKANDAN M	/	/	/	/	/
6	622122307009	MANOJ KUMAR S	/	/	/	/	AB
7	622122307010	PARTHIBAN P	/	/	/	/	/
8	622122307016	SUTHAKAR D	/	/	/	/	/

Moorthi N

Course Coordinator

HOD

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

ARULMANI C

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 22PSEVC201 – Wave-Based NDT Methods. The duration of the Course is 30 hours .

(**27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

KAMALI THARANI N

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 22PSEVC201 – Wave-Based NDT Methods. The duration of the Course is 30 hours .

(**27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

MANOJ KUMAR S

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 22PSEVC201 – Wave-Based NDT Methods. The duration of the Course is 30 hours .

(**27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

PARTHIBAN P

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 22PSEVC201 – Wave-Based NDT Methods. The duration of the Course is 30 hours .

(**27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

SUTHAKAR D

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 22PSEVC201 – Wave-Based NDT Methods. The duration of the Course is 30 hours .

(**27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF STRUCTURAL ENGINEERING

DATE: 22.03.2023

CIRCULAR

It is planned to conduct Value Added Course on **"22PSEVC401 – PRETENSIONED STRUCTURES"** for the students of Second Year (Even semester) in the AY 2022-2023 from 27.03.2023 to 31.03.2023. The interested students are asked to enroll their names to the course coordinator Mrs.B.Kiruthika, AP/Civil on or before 24.03.2023.

Course Coordinator: Mrs.B.Kiruthika, AP/Civil

HOD/Civil

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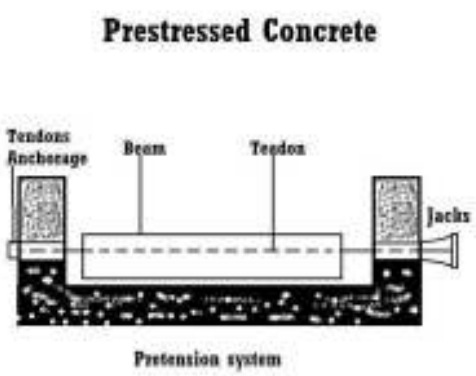
PAAVAI ENGINEERING COLLEGE, NAMAKKAL – 637 018

(AUTONOMOUS)

DEPARTMENT OF STRUCTURAL ENGINEERING

VALUE ADDED COURSE

22PSEVC401 –PRETENSIONED STRUCTURES



- This course mainly discusses about the Early Attempts of Prestressing, Development of Building Materials, Prestressing Systems and Devices, Analysis for Shear etc.
- This course covers the topics such as This course integrates science and engineering principles to design reinforced concrete beams, one-way slabs, and columns. These include determination of strength, detailing of reinforcement, and service load considerations such as crack control and deflections and Pretensioned Construction, Flexure Design and Estimation of Deflections.

Date : 27.03.2023 to 31.03.2023

Venue: T225

Course Incharge: Mrs.B.Kiruthika, AP/Civil

22PSEVC401 **PRETENSIONED STRUCTURES**

COURSE OBJECTIVE

To enable the students to

- design Prestressed concrete members and structural systems.

MODULE I

Design of pretensioned Hollow-Core slabs, Double-Tee and I-Beam members, and one-way posttensioned floor slabs is exercised using current building code requirements to provide experiences in realistic design practice. The following subjects are used to solve engineering problems: calculus and differential equations; use of computer tools, data manipulation, statistical analysis, numerical calculation, and reinforced concrete design principles.

TOTAL PERIODS 30

COURSE OUTCOMES

Upon the completion of this course, the students will be able to

- design Pretensioned structures, Flexure Design, Bond of pretensioned strand.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF STRUCTURAL ENGINEERING

Academic Year: 2022-23

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/IV

Name of the course : 22PSEVC401 –PRETENSIONED STRUCTURES

S.No	Register Number	Student Name	27/3/23	28/3/23	29/3/23	30/3/23	31/3/23
1	622121307001	KAVINKUMAR P	/	/	/	/	/
2	622121307002	MANOJPRABU C	/	/	/	/	/
3	622121307003	MANORANJAN P	/	/	/	AB	/
4	622121307004	NAVEEN KUMAR M	/	/	/	/	/
5	622121307005	NITHISH N	/	/	/	/	/
6	622121307006	NIVEDHA SREE A	/	/	/	/	/
7	622121307007	PRAVEENKUMAR. C	/	/	/	/	/
8	622121307008	PRIYANKA A	/	/	/	/	/
9	622121307010	SENTHAMIL SELVAN P	/	/	/	/	/
10	622121307012	SIVA BALAJI K R	/	/	/	/	/
11	622121307014	SURYA G	/	/	/	/	/
12	622121307015	UTHAYAKUMAR G	/	/	/	/	AB
13	622121307018	YOGAVIDHYA V	/	/	/	/	/

B. K

Course Coordinator

HOD

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

MANOJPRABU C

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22PSEVC401 – Pretensioned Structures. The duration of the Course is 30 hours .

(**27/03/2023 to 31/03/2023)** .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

NAVEEN KUMAR M

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22PSEVC401 – Pretensioned Structures. The duration of the Course is 30 hours .

(**27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

SENTHAMIL SELVAN P

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22PSEVC401 – Pretensioned Structures. The duration of the Course is 30 hours .

(**27/03/2023 to 31/03/2023)** .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

SIVA BALAJI K R

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22PSEVC401 – Pretensioned Structures. The duration of the Course is 30 hours .

(**27/03/2023 to 31/03/2023)** .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Structural Engineering

CERTIFICATE

This is to certify that

YOGAVIDHYA V

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22PSEVC401 – Pretensioned Structures. The duration of the Course is 30 hours .

(**27/03/2023 to 31/03/2023)** .

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)
NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2022-2023

Date:07.09.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "**22CSVC501 - AR VR and MR using Unity** " for Fifth semester students from 19.09.2022 to 23.09.2022 The interested students are asked to enroll their name to the course coordinator Mrs.K.Sudha Devi ASP/CSE on or before 13.09.2022.

Course Incharge: Mr E.Elanchezhiyan AP/CSE

COURSE COORDINATOR

HOD/CSE

PAAVAI ENGINEERING COLLEGE
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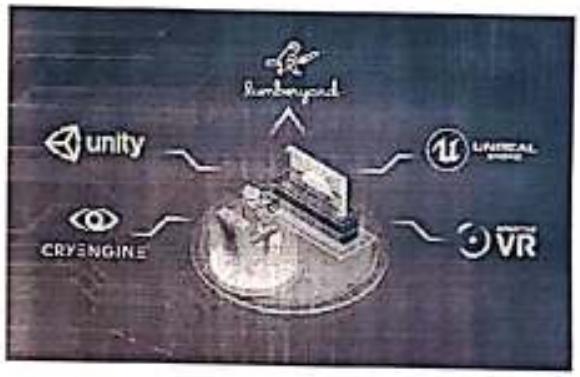
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

22CSVC501 - AR VR AND MR USING UNITY

An API, or "Application Programming Interface", is a common concept in software development, found throughout VR and AR content development. In essence, it is a standardized interface that lets software connect with an operating system and make use of its resources. APIs are not visible to the user of a VR or AR experience.



AR can be offered to users via headsets like Microsoft's HoloLens, or through the video camera of a smartphone. VR provides tremendous potential to filmmakers and audiences, offering a new way to deliver stories, harnessing all the immersive potential of VR, and pulling on the power of presence. Mixed reality (MR) is a user environment in which physical reality and digital content are combined in a way that enables interaction with and among real-world and virtual objects.

INTENDED AUDIENCE:

- II Year B.E., B.TECH., - Students
- Students able to create static files and frameworks with the help of form and interfaces.

DATE: 19.09.2022 TO 23.09.2022

COURSE INCHARGE: Mr. E.ELANCHEZHIYAN, AP/CSE

22CSVC501 AR VR AND MR USING UNITY

COURSE OBJECTIVES

To enable the students to:

- To understand the concepts and differences between AR, VR, and MR.
- To develop immersive applications using Unity.
- To implement interactions and user interfaces for immersive experiences.

Unit I Introduction to Immersive Technologies

Overview of AR, VR, and MR concepts - History and evolution of immersive technologies - Understanding Unity's role in AR/VR/MR development - Setting up Unity for AR/VR/MR development - Unity interface overview and navigation - Introduction to Unity scripting with C#.

Unit II - Unity Basics for Immersive Development

Introduction to ARCore and ARKit - Implementing marker-based and markerless AR experiences - Adding interactive elements to AR scenes.

Unit III - Creating VR Environments

Overview of VR hardware (Oculus Rift, HTC Vive, etc.) - Creating VR environments and interactions - Implementing teleportation and locomotion in VR.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to:

- Understand the concepts and differences between AR, VR, and MR.
- Develop immersive applications using Unity.
- Implement interactions and user interfaces for immersive experiences.

TEXT BOOKS

1.Programming 3D Applications with HTML5 and WebGL" by Tony Parisi: Kindle Education by D.D Graston 2023.

REFERENCES

1. The VR Book: Human-Centered Design for Virtual Reality" by Jason Jerald, 2021.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2022-2023

VALUE ADDED COURSES

ATTENDANCE SHEET

Year /Semester: III/05

Name of the Course: 22CSVC501 & AR VR AND MR USING UNITY

S.NO.	REGISTER NO.	NAME OF THE STUDENT	19.09.2022	20.09.2022	21.09.2022	22.09.2022	23.09.2022
1	20104002	AJAY.S	/	/	/	/	/
2	20104003	ARAVINTHRAJ.N.S	/	/	/	a	/
3	20104004	ARULSELVAR.S	/	/	/	/	/
4	20104005	ARUNKUMAR.A	/	/	/	/	/
5	20104006	ARUNPANDIYAN. M	/	/	/	/	/
6	20104007	ASMA BEGAM.M	/	/	a	/	/
7	20104008	ASNY RAJELIN.D	/	/	/	/	/
8	20104009	ATCHAYA.B	/	/	/	/	/
9	20104010	ATTHISH.P	a	/	/	/	/
10	20104011	AVINASH.K	/	/	/	/	/
11	20104013	CHENNAREDDY ESWAR CHANDRA SAI	/	/	/	/	a
12	20104014	DAVID PRAKASH.M	/	/	/	/	/
13	20104015	DEEPASREE.M	/	/	/	/	/
14	20104016	DHANABALAN.K	/	/	/	/	/
15	20104017	DHARANIDHARAN.N	/	/	/	/	/
16	20104018	DHARSHINI.G	/	/	/	/	/
17	20104019	DHARSHINI.S	/	/	/	/	/
18	20104020	DHINAKARAN.S	/	a	/	/	/
19	20104021	DILIP.T.U	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	19.09.2022	20.09.2022	21.09.2022	22.09.2022	23.09.2022
20	20104022	DINESHBABU.S	/	/	/	/	/
21	20104023	DUDDU RADHA KRISHNA	/	/	/	/	/
22	20104024	GOKUL PRASANTH.G	/	/	/	/	/
23	20104025	GOKUL PRASATH.M	/	/	/	/	/
24	20104026	GOWTHAM.D	/	/	/	/	/
25	20104027	GUNA.T	/	/	/	/	/
26	20104028	HARI PRASATH.G	/	/	/	/	/
27	20104029	HARIHARAN.K	/	/	/	a	/
28	20104030	JAGADEESH.M	/	/	/	/	/
29	20104031	JAI SURIYA.S	a	/	/	/	/
30	20104032	JASWANTHRAJ.G	/	/	/	/	/
31	20104033	JEEVA.S	/	/	/	/	/
32	20104034	JEEVA.V	/	/	/	/	/
33	20104035	JEEVANKUMAR.S	/	/	a	/	/
34	20104036	JERUSHA.A.S	/	/	/	/	/
35	20104037	JEYAPANDI.M	/	/	/	/	/
36	20104038	KANNAN.P	/	/	/	/	/
37	20104039	KARTHICK.R	/	/	/	/	/
38	20104040	KARTHIK.P	/	/	/	/	/
39	20104041	KAVIN.M	/	a	/	/	/
40	20104042	KAVINKUMAR.S	/	/	/	/	/
41	20104043	KAVINRAJA.S	/	/	/	/	/
42	20104044	KEERTHANA.V	/	/	/	/	/
43	20104045	KEERTHIVASAN.V	/	/	/	/	/
44	20104046	KESAVAN.L	/	/	/	/	/
45	20104047	KESHAVARAJSHARMAA. R	/	/	/	/	a
46	20104048	KIRUBAKARAN.E	/	/	/	/	/
47	20104049	KIRUBHA.M	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	19.09.2022	20.09.2022	21.09.2022	22.09.2022	23.09.2022
48	20104050	KISHORE KUMAR. AL	/	a	/	/	/
49	20104051	KISHORE NITHIN.N	/	/	/	/	/
50	20104052	KRISHNAKUMAR.G	/	/	/	/	/
51	20104053	LALITHKUMAR.V	/	/	/	/	/
52	20104054	MADESH.R	/	/	a	/	/
53	20104055	MAHANANTHAM.N	/	/	/	/	/
54	20104056	MAIBALAN.K	/	/	/	/	/
55	20104057	MANOJPRABHAKAR.P	/	/	/	/	/
56	20104058	MATHAKALA MANEESHA	a	/	/	/	/
57	20104059	MEKALA.M	/	/	/	/	/
58	20104060	MITHRAN.I.R	/	/	/	/	/
59	20104061	MOHANA PRIYA.V	/	/	/	/	/
60	20104062	MUGUNDHAN.R	/	/	/	/	/
61	20104063	NANDHINI.A	/	/	/	/	/
62	20104064	NANDHINI.A	/	/	/	/	/
63	20104065	NANDHINI.S	/	/	/	/	/
64	20104066	NARAYANASAMY.V.M	/	/	/	/	/
65	20104067	NATHISH KUMAR.M	/	/	/	/	/
66	20104068	NAVEEN VIJAY.T	/	/	/	/	/
67	20104069	NAVIN KRISHNA.S.R	/	/	/	/	/
68	20104070	NITHISH KUMAR.N	/	/	/	/	/
69	20104071	NITHYASRI.M	/	/	/	/	/
70	20104072	PAMIDI PRAHARSHA	/	/	/	a	/
71	20104073	PRADEEPKUMAR.A	/	/	/	/	/
72	20104074	PREETHI.S	/	/	/	/	/
73	20104075	PRIYANKA.S	/	/	/	/	/
74	20104076	PUGAZHENTHI.K	/	/	/	/	a
75	20104077	RATHIS.M	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	19.09.2022	20.09.2022	21.09.2022	22.09.2022	23.09.2022
76	20104078	ROSHINI.V	/	/	/	/	/
77	20104079	RUTHRA. M	/	/	/	/	/
78	20104080	SABARINATHAN.C	/	/	/	/	/
79	20104081	SAKTHI SRIDHAR.S.B	/	/	/	/	/
80	20104082	SAMIDURAI.D	/	/	a	/	/
81	20104083	SANJAY BABU.M	/	/	/	/	/
82	20104084	SANJAYPRASANTH. T.M	/	/	/	/	/
83	20104085	SANTHOSH.S	/	/	/	/	/
84	20104086	SANTHOSHKUMAR.C	/	/	/	/	/
85	20104087	SARAN.V	/	/	/	/	/
86	20104088	SARANYA.S	/	/	/	/	/
87	20104089	SASIREKHA.R	/	/	/	/	/
88	20104090	SETHUPATHI.C	/	/	/	/	/
89	20104091	SHARAVANAN.A.K	/	/	/	/	/
90	20104092	SIMI LAUREN.J	a	/	/	/	/
91	20104093	SOUNDHARAJAN.S	/	/	/	/	/
92	20104094	SOWMYA.K	/	/	/	/	/
93	20104095	SRIKANTH.J	/	/	/	/	/
94	20104096	SRIKANTH.K	/	/	/	/	/
95	20104097	SRIKANTH.S	/	/	/	/	/
96	20104098	SUBA.R	/	/	/	/	/
97	20104099	SUBHIKSHA.G.B	/	/	/	/	/
98	20104100	SUJITH.D	/	/	/	/	/
99	20104101	SURESH.E	/	/	/	/	/
100	20104102	SURIYA. A	/	/	/	/	/
101	20104103	SURYA. R	/	/	/	/	/
102	20104104	SWITHA.R	/	/	/	/	/
103	20104105	UMMADIPOLU LAKSHMI LAHARI	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	19.09.2022	20.09.2022	21.09.2022	22.09.2022	23.09.2022
104	20104106	VAGRASRI S	✓	✓	✓	✓	✓
105	20104107	VARSHINI .S	✓	✓	✓	✓	✓
106	20104108	VASANTHAN.B	✓	✓	✓	✓	✓
107	20104111	VETRISELVAN.V	✓	✓	✓	✓	✓
108	20104112	VIGNESHWARAN.K	✓	a	✓	✓	✓
109	20104113	VIMALRAJ.S	✓	✓	✓	✓	✓
110	20104114	VISHWA TEJA.S	✓	✓	✓	✓	✓
111	20104115	YOGASUNDARAM.K	✓	✓	✓	✓	✓
112	20104116	YUKESHKUMAR.A	✓	✓	✓	✓	✓
113	20104301	BALAJI.T	✓	✓	✓	✓	✓
114	20104303	ELAVARASI.K	✓	✓	✓	✓	✓
115	20104304	GOKUL KANNAN.S	✓	✓	✓	✓	✓
116	20104305	MONISH KUMAR.R	✓	✓	✓	✓	✓
117	20104308	VIGNESH.G	✓	✓	✓	a	✓
118	20104501	VENKATESH .C	✓	✓	✓	✓	✓

COURSE COORDINATOR

HOD/CSE

HEAD OF THE DEPART...
COMPUTER SCIENCE & ENGINEERI...
PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NH 44 PACHAL (P.O) NAMAKKAL - 63701...

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

T GUNA

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "AR VR AND MR USING UNITY". The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

P KANNAN

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "AR VR AND MR USING UNITY". The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

V MOHANAPRIYA

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "AR VR AND MR USING UNITY". The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

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R SUBA

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "AR VR AND MR USING UNITY". The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

E SURESH

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "AR VR AND MR USING UNITY". The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)
NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2022-2023

Date:07.09.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "22CSVC701 - **Full Stack Development** " for Seventh semester students from 19.09.2022 to 23.09.2022 The interested students are asked to enroll their name to the course coordinator Mrs.K.Sudha Devi ASP/CSE on or before 13.09.2022.

Course Incharge: Mrs P.Renukadevi ASP/CSE

COURSE COORDINATOR

HOD/CSE

PAAVAI ENGINEERING COLLEGE

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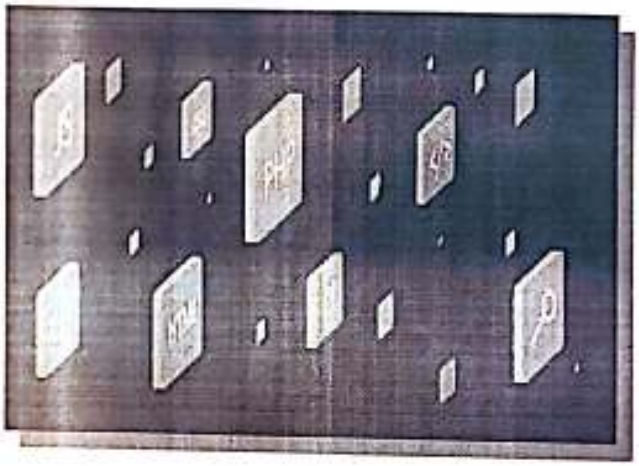
NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

22CSVC701 – FULL STACK DEVELOPMENT

Full stack development is the process of designing, creating, testing, and deploying a complete web application from start to finish. It involves working with various technologies and tools, including front-end web development, back-end web development, and database development.



The most obvious benefit is that it allows developers to understand the entire web development process thoroughly, and this comprehensive understanding can lead to more efficient and effective development. ull-stack developers can more easily identify potential bottlenecks and issues by thoroughly understanding the front-end and back-end development process.

INTENDED AUDIENCE:

- IV Year B.E., B.TECH., - Students
- Students able to implement data sources and databases, modelling and visualization, power Bi queries,

DATE: 19.09.2022 TO 23.09.2022

COURSE INCHARGE: Mrs.P.RENUKADEVI, ASP/CSE

22CSVC701 **FULL STACK DEVELOPMENT**

COURSE OBJECTIVES

To enable the students to:

- Understand the architecture and components of full-stack web applications.
- Develop dynamic and interactive front-end interfaces using HTML, CSS, and JavaScript.
- Integrate databases and manage data within web applications.

Unit I Introduction to Full Stack Development

Overview of full-stack development architecture - Introduction to front-end and back-end technologies - Setting up development environment (e.g., Node.js, npm, Git).

Unit II Interfaces

Introduction to front-end frameworks (e.g., React, Angular, Vue) - Introduction to server-side programming languages (e.g., JavaScript/Node.js, Python, Ruby) - Setting up back-end servers and routing - Handling HTTP requests and responses.

Unit III Data Management

Designing and implementing RESTful APIs - Authentication and authorization techniques (e.g., JWT, OAuth) - Securing APIs and preventing common security vulnerabilities.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to :

- Understand the iOS app development ecosystem, including the role of Xcode and the App Store.
- Develop iOS applications using UIView.
- Implement user interfaces and navigation.

TEXT BOOKS

1. Full Stack Web Development For Beginners: Learn Ecommerce Web Development Using HTML5, CSS3, Bootstrap, JavaScript, MySQL, and PHP By Riaz Ahmed.

REFERENCES

1. Full Stack Web DevelopmentThe Comprehensive Guide written by Philip Ackermann , 07 January 2021.

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2022-2023

VALUE ADDED COURSES

ATTENDANCE SHEET

Year /Semester: IV/07

Name of the Course: 21CSVC701 & FULL STACK DEVELOPMENT

S.NO.	REGISTER NO.	NAME OF THE STUDENT	19.09.2022	20.09.2022	21.09.2022	22.09.2022	23.09.2022
1	19104001	ABINESH.R	/	/	/	/	/
2	19104002	ABIRAMI.P	/	/	/	/	/
3	19104003	ADHISH.M	/	/	/	a	/
4	19104005	AMIRTHA VARSHINI.A	/	/	/	/	/
5	19104006	ARAVINDRAJ.S	/	/	/	/	/
6	19104007	ARAVINTH.S	/	/	/	/	/
7	19104008	ARULPRASANTH.R	/	/	/	/	a
8	19104009	ARUNKUMAR.A	/	/	/	/	/
9	19104010	ARUNKUMAR.P	/	/	/	/	/
10	19104011	ASHWIN.A	a	/	/	/	/
11	19104012	ASHWATH.S	/	/	/	/	/
12	19104013	BALAKRISHNAN.V	/	/	/	/	/
13	19104014	BALAMURUGAN.K	/	/	/	/	/
14	19104015	BHARATHKUMAR.G	/	/	/	/	/
15	19104016	BHAVANRAMANA.E	/	/	/	/	/
16	19104018	CHANDRU.P	/	/	/	/	/
17	19104019	CHERUB EBENEZER	/	/	/	a	/
18	19104020	DHEENADAYALAN.K	/	/	/	/	/
19	19104022	DHANU PRASANTH.M	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	19.09.2022	20.09.2022	21.09.2022	22.09.2022	23.09.2022
20	19104023	DHARNISHRAJA.J	/	/	/	/	/
21	19104024	DHARSHANNATH.Y	/	/	/	/	/
22	19104025	GAVIYALAKSHMI.J	/	/	/	/	/
23	19104026	GAYATHRI.R	/	/	/	/	/
24	19104027	GOKILA.K.M	/	/	/	/	/
25	19104028	GOKUL.R	/	a	/	/	/
26	19104029	GOPIKA.R	/	/	/	/	/
27	19104030	GORLA CHADU	/	/	/	/	/
28	19104031	GOWTHAM.K	/	/	/	/	/
29	19104032	GUNASEELAN.M	/	/	/	/	/
30	19104033	HARIPRIYA.R	/	/	/	/	a
31	19104034	HARISHKUMAR.C	/	/	/	/	/
32	19104035	HEMALATHA.S	/	/	/	/	/
33	19104036	HEMALATHA.T	/	/	/	/	/
34	19104037	INDUJA.B	a	/	/	/	/
35	19104038	INTHUJA.M	/	/	/	/	/
36	19104039	IYYAPPAN.N	/	/	/	/	/
37	19104040	JAGANATHAN.K	/	/	/	/	/
38	19104041	JAYABARATHI.S.P	/	/	/	/	/
39	19104042	JAYALAKSHMI.P	/	/	/	/	/
40	19104043	KARTHIK.P	/	/	/	/	/
41	19104044	KARTHIKA.M	/	/	/	/	/
42	19104045	KARTHIKEYAN.K	/	/	a	/	/
43	19104046	KAVIMANI.M	/	/	/	/	/
44	19104047	KAVIYARASU.M	/	/	/	/	/
45	19104048	KIRUTHIKA.M	/	/	/	/	/
46	19104049	KIRUTHIKA.R.A	/	/	/	/	/
47	19104051	MADESH.S	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	19.09.2022	20.09.2022	21.09.2022	22.09.2022	23.09.2022
48	19104053	MADHUSUDHANAN.S	/	/	/	/	/
49	19104054	MAGIMASRI.K	/	/	/	/	/
50	19104055	MANI PRABHU.T	/	/	/	/	/
51	19104056	MANIKANDAN.A	/	/	/	/	a
52	19104057	MATHUMITHA.M	/	/	/	/	/
53	19104058	MOHAMMAD ROUSHAN.M	/	/	/	/	/
54	19104059	MOHAMMAD SALIM.K	/	/	/	/	/
55	19104060	MOHAN.M	/	/	/	/	/
56	19104061	MONAL.K	/	/	a	/	/
57	19104063	MONISH.V	/	/	/	/	/
58	19104064	MUGESH KUMAR.S	/	/	/	/	/
59	19104076	PULIMI HEMANTH KUMAR REDDY	/	/	/	/	/
60	19104065	MUKESH.P	/	/	/	/	/
61	19104066	MUTHUPANDI.S	a	/	/	/	/
62	19104067	NANDHAGOPAL.C	/	/	/	/	/
63	19104068	NANDHAKUMAR.K	/	/	/	/	/
64	19104069	NANDHAKUMAR.M	/	/	/	/	/
65	19104070	NAVEEN.S	/	/	/	/	/
66	19104071	NITHYANANDAN.K	/	/	/	/	/
67	19104072	PRAVEENKUMAR.R	/	/	/	a	/
68	19104073	PRIYADHARSHNINI.M	/	/	/	/	/
69	19104074	PRIYADHARSHNINI.R	/	/	/	/	/
70	19104075	PRIYANKA.G	/	/	/	/	/
71	19104077	RAGHAVAN.B	/	/	/	/	/
72	19104078	RAJADURAI.M	/	a	/	/	/
73	19104080	RAMALAKSHMANAN	/	/	/	/	/
74	19104081	RAMKUMAR.K	/	/	/	/	/
75	19104065	MUKESH.P	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	19.09.2022	20.09.2022	21.09.2022	22.09.2022	23.09.2022
76	19104082	ROHKITH ROSHAN.S	/	/	/	/	/
77	19104083	ROSHNA.R	/	/	/	/	/
78	19104084	SAMDANIEL.D	/	/	/	/	/
79	19104085	SANDEEP.S	/	/	/	/	/
80	19104086	SANDHIYA.S	/	/	/	/	/
81	19104087	SANJAY.G	/	/	/	/	/
82	19104088	SANTHIYA.R	/	/	/	/	/
83	19104089	SANTHOSH.B	/	/	/	/	/
84	19104090	SATHISH.B	/	/	/	/	/
85	19104091	SATISH.J	/	/	/	/	a
86	19104092	SELVABHARATHI.S	/	/	/	/	/
87	19104093	SERRANGEVI.S	/	/	/	/	/
88	19104094	SHAJU.V	/	/	/	/	/
89	19104095	SHALINI.R	/	/	/	/	/
90	19104096	SHANJAY.V	/	/	/	/	/
91	19104097	SHANKARESH.R	/	/	/	/	/
92	19104098	SHARATH.R	/	/	/	/	/
93	19104099	SHREEHARINI.M	/	/	/	/	/
94	19104100	SILAMBARASAN.V	/	/	/	/	/
95	19104101	SINDHU.P	/	/	/	/	/
96	19104102	SINRAJ.S	/	a	/	/	/
97	19104103	SIVAKARAN.S	/	/	/	/	/
98	19104104	SIVANANTHAN.S	/	/	/	/	/
99	19104105	SUJITH.S	/	/	/	/	/
100	19104106	SUJITHA.S	/	/	/	/	/
101	19104107	SURENDHAR.S	/	/	/	/	/
102	19104108	SURIYASANKAR.P	/	/	/	/	/
103	19104109	SWETHA.P	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	19.09.2022	20.09.2022	21.09.2022	22.09.2022	23.09.2022
104	19104110	SWETHA.G.V	/	/	/	/	/
105	19104111	SWETHA.M	/	/	/	/	/
106	19104112	THAVASI.S	/	/	/	/	/
107	19104114	TONYDAVIDRAJ.M	/	/	/	/	/
108	19104115	UDAYAKIRAN.S	/	/	/	/	/
109	19104116	UDAYAN.R	/	/	/	/	/
110	19104117	VARUNKRISHNAN.V	/	/	/	/	/
111	19104118	VASANTH.K	/	/	/	/	/
112	19104119	VASUNDHARADEVI.S	/	/	/	/	/
113	19104121	VIJAYA SHANKAR.P	/	/	a	/	/
114	19104122	VIJAYAKUMAR.R	/	/	/	/	/
115	19104123	VIJAYALAKSHMI.R	/	/	/	/	/
116	19104124	VIJAY VENKATESHWARAN.M	/	/	/	/	/
117	19104125	YUVARANI.R	/	/	/	/	/
118	19104126	YUVETHA.S	/	/	/	/	/
119	19104301	MOHAMMED HASSAN.S	/	/	/	/	/
120	19104302	PRABHUDEVA.B	/	/	/	/	/

COURSE COORDINATOR

HOD/CSE

HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NH 44 PACHAL (PO) NAMAKKAL - 637

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

R GAYATHRI

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "FULL STACK DEVELOPMENT". The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

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S MADESH

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "FULL STACK DEVELOPMENT". The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

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Department of Computer Science and Engineering

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P MUKESH

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "FULL STACK DEVELOPMENT". The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

S NAVEEN

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "FULL STACK DEVELOPMENT". The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

S YUVETHA

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "FULL STACK DEVELOPMENT". The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)
NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2022-2023

Date:09.03.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on **"22CSVC401 - Data Analytics With R"** for Fourth semester students from 27.03.2023 TO 31.03.2023. The interested students are asked to enroll their name to the course coordinator Mrs.K.Sudha Devi ASP/CSE on or before 16.03.2022.

Course Incharge: Mr M.Sivaganesh, ASP/CSE

COURSE COORDINATOR

HOD/CSE

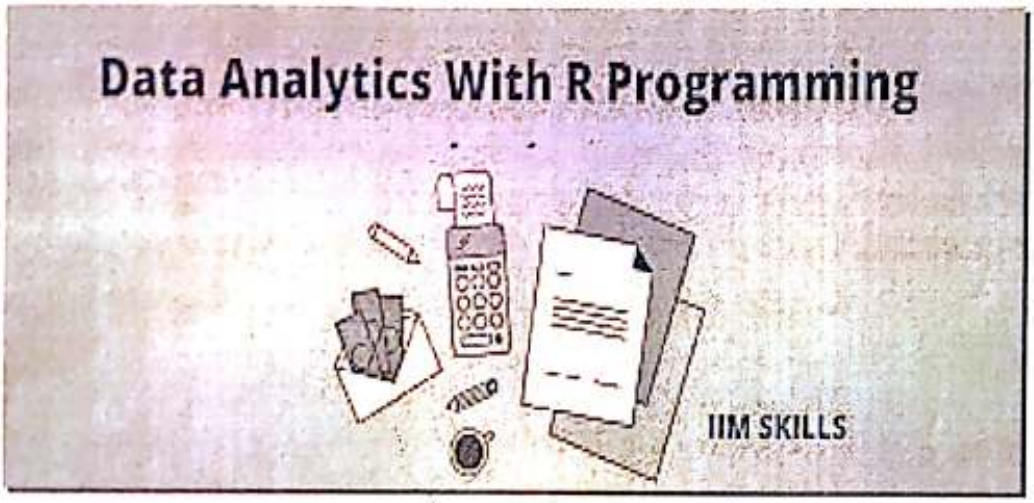
PAAVAI ENGINEERING COLLEGE

(Autonomous)
NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

22CSVC401 - DATA ANALYTICS WITH R

R analytics (or R programming language) is a free, open-source software used for all kinds of data science, statistics, and visualization projects. R programming language is powerful, versatile, AND able to be integrated into BI platforms like Sisense, to help you get the most out of business-critical data.



R, and its sister language Python, are powerful tools to help you maximize your data reporting. Instead of using programming languages through a separate development tool like R Studio or Jupyter Notebooks, allowing you to predict critical business outcomes, create interactive dashboards using practical statistics, and easily build statistical models. Integrating R and Python means advanced analytics can happen faster, with accurate and up-to-date data.

INTENDED AUDIENCE:

- II Year B.E., B.TECH., - Students
- Students able to create static files and frameworks with the help of form and interfaces.

DATE: 27.03.2023 TO 31.03.2023

COURSE INCHARGE: Mr. M.SIVAGANESH, ASP/CSE

22CSVC401 DATA ANALYTICS WITH R

COURSE OBJECTIVES

To enable the students to:

- To Understand concepts of data analytics.
- To learn about R Programming basics.
- To learn about data visualization using R.

Unit I Introduction to Data Analytics

Overview of Data Analytics, Need of Data Analytics, Nature of Data, Classification of Data: Structured, Semi-Structured, Unstructured, Characteristics of Data, Applications of Data Analytics..

Unit II R Programming basics

Overview of R programming, Environment setup with R Studio, R Commands, Variables and Data Types, Control Structures, Array, Matrix, Vectors, Factors, Functions, R packages.

Unit III Data visualization using R

Reading and getting data into R (External Data): Using CSV files, XML files, Web Data, JSON files, Databases, Excel files. Working with R Charts and Graphs: Histograms,Boxplots,Bar Charts, Line Graphs, Scatterplots, Pie Charts

TOTAL PERIODS 30

COURSE OUTCOME:

At the end this course, students will be able to :

- Understand concepts of data analytics
- Learnt about R Programming basics
- Know how to implement data visualization using R

TEXT BOOKS

1. An Introduction to R, Notes on R: A Programming Environment for Data Analysis and Graphics. W. N. Venables, D.M. Smith and the R Development Core Team. Version 3.0.1 (2013-05-16). URL: https://cran.r-project.org/doc/manuals/r-release/R-intro.pdf

REFERENCES

1. Data Analysis Using R : A Primer for Data Scientist Paperback – 20 September 2021 by Dr. Dhaval Maheta.

PAAVAI ENGINEERING COLLEGE

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NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2022-2023

VALUE ADDED COURSES

ATTENDANCE SHEET

Year /Semester: II/04

Name of the Course: 22CSVC401 & DATA ANALYTICS WITH R

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
1	622121104001	R.Abinaya	/	/	/	/	/
2	622121104002	S.Aarthi	/	/	/	/	/
3	622121104003	R.Abinash	/	/	/	/	/
4	622121104004	S.Abishek	/	a	/	/	/
5	622121104005	J.Adhithan	/	/	/	/	/
6	622121104006	R.Akash	/	/	/	/	/
7	622121104007	S.Akash	/	/	/	a	/
8	622121104008	K.Arunprabu	/	/	/	/	/
9	622121104009	K.Asif Ahamed	/	/	/	/	/
10	622121104010	K.Asmitha	/	/	/	/	/
11	622121104011	S.V.Aswin Raaj	a	/	/	/	/
12	622121104012	T.Balaji	/	/	/	/	/
13	622121104013	R.Balakrishnan	/	/	/	/	/
14	622121104014	J.Bharathkrishnan	/	/	/	/	/
15	622121104015	B.Boomathi	/	/	/	/	a
16	622121104017	V.Chandramadhan	/	/	/	/	/
17	622121104018	R.Deepan	/	/	/	/	/
18	622121104019	S.Devadarshini	/	/	a	/	/
19	622121104020	S.Dhanalakshmi	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
20	622121104021	A.Dhanush	/	/	a	/	/
21	622121104022	S.Dhivakar	/	/	/	/	/
22	622121104023	K.Dhivya Dharshan	/	/	/	/	/
23	622121104024	K.Dineshram	/	/	/	/	/
24	622121104025	S.Divya Sri	/	/	/	/	/
25	622121104026	A.Eshwaran	/	/	/	/	a
26	622121104027	V.Gobikrishna	/	/	/	/	/
27	622121104028	R.Gopinath	/	/	/	/	/
28	622121104029	U.Guna	/	/	/	/	/
29	622121104031	K.Gunal	a	/	/	/	/
30	622121104032	R.Gunapriyan	/	/	/	/	/
31	622121104033	J.S.Haridhar	/	/	/	/	/
32	622121104034	S.Hariharan	/	/	/	/	/
33	622121104036	B.Jagadeeswaran	/	/	/	/	/
34	622121104037	P.Jagadeshvaran	/	/	/	/	/
35	622121104038	S.Jayasaran	/	/	/	/	/
36	622121104040	J.Joyal Antony	/	/	/	/	/
37	622121104041	K.Kabilan	/	a	/	/	/
38	622121104042	M.Kamali	/	/	/	/	/
39	622121104043	S.Kamil	/	/	/	/	/
40	622121104044	S.Kavin Kamalesh	/	/	/	/	/
41	622121104045	T.Kaviya	/	/	/	/	/
42	622121104046	Kavya Moorthi	/	/	/	/	/
43	622121104047	G.Keerthivasan	/	/	/	/	/
44	622121104048	K.Kirubasankar	/	/	/	/	/
45	622121104049	K.Lakshmanan	/	/	/	a	/
46	622121104050	S.Lokesh	/	/	/	/	/
47	622121104051	J.Lokeshkumar	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
48	622121104052	J.Lokeshwaran	/	a	/	/	/
49	622121104053	T.Madheswaran	/	/	/	/	/
50	622121104054	C.Mameeth	/	/	/	/	/
51	622121104055	M.Manibarathi	/	/	/	/	/
52	622121104056	N.Manoj	/	/	/	/	/
53	622121104057	R.S.Manoj	/	/	/	a	/
54	622121104058	M.Manoj Kumar	/	/	/	/	/
55	622121104059	R.C.Mithin	/	/	/	/	/
56	622121104060	D.Mohanraj	/	/	/	/	/
57	622121104061	P.Mohanraj	/	/	/	/	/
58	622121104062	S.Mukesh Kumar	/	/	/	/	/
59	622121104063	J.Najla Farveen	a	/	/	/	/
60	622121104064	M.Namrootha	/	/	/	/	/
61	622121104065	S.S.Narmada	/	/	/	/	/
62	622121104304	Gunji Venu	/	/	/	/	/
63	622121104305	S.Karthik	/	/	/	/	/
64	622121104306	P.Manidhar	/	/	/	/	/
65	622121104310	Sourav Sarkar	/	/	/	/	/
66	622121104309	M.Selvam	/	/	/	/	a
67	622121104301	Bonasi Purushotham	/	/	/	/	/
68	622121104066	P.Naveen Adhithya	/	/	/	/	/
69	622121104067	J.Naveen	/	/	/	/	/
70	622121104069	R.Nisha	/	/	a	/	/
71	622121104070	S.Nithesh	/	/	/	/	/
72	622121104071	G.Nithish	/	/	/	/	/
73	622121104072	S.Pavithra	/	/	/	/	/
74	622121104073	M.Pooja	a	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
75	622121104074	R.Poornima	/	/	/	/	/
76	622121104075	S.Powthra	/	/	/	/	/
77	622121104076	P.Pradeep	/	/	/	/	/
78	622121104077	M.Pradeepkumar	/	/	/	/	/
79	622121104078	R.D.Pragathesh	/	/	/	/	/
80	622121104079	M.Prasanna	/	/	/	/	/
81	622121104080	V.Prasath	/	/	/	/	/
82	622121104081	Praveen Sengottaiyan	/	/	a	/	/
83	622121104082	B.Prem	/	/	/	/	/
84	622121104083	P.G Priyadharshini	/	/	/	/	/
85	622121104084	A.Ragavi	/	/	/	/	/
86	622121104086	S.Rosini	/	/	/	/	/
87	622121104087	G.Sakthivel	/	/	/	/	a
88	622121104088	N.Sampath Kumar	/	/	/	/	/
89	622121104089	V.Sangeetha	/	/	/	/	/
90	622121104090	S.Santhiya	/	/	/	/	/
91	622121104091	S.Santhosh	/	a	/	/	/
92	622121104092	S.Santhosh Kumar	/	/	/	/	/
93	622121104093	G.Saran kumar	/	/	/	/	/
94	622121104094	S.Saranraj	/	/	/	/	/
95	622121104095	S.Saranraj	/	/	/	/	/
96	622121104096	R.Saranya	/	/	/	/	/
97	622121104097	S.Shree kumar	/	/	/	/	/
98	622121104098	E.Shri Hari	/	/	/	/	/
99	622121104099	A.Silambarasan	/	/	/	/	/
100	622121104100	M.Siva	/	/	/	a	/
101	622121104101	R.Sivachandiran	/	/	/	/	/
102	622121104102	M.Siva Shanmugam	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
103	622121104103	S.Soniya	/	/	/	/	/
104	622121104104	V.Soundariya lakshmi	/	/	/	/	/
105	622121104105	K.Sree Aravind	/	/	/	/	/
106	622121104106	T.Sriram	/	/	/	/	/
107	622121104107	K.Stalin	/	/	/	/	/
108	622121104108	E.Suriyabhuvanesh	/	/	/	/	/
109	622121104109	M.Surya	/	/	/	/	/
110	622121104110	N.Tamilselvi	/	a	/	/	/
111	622121104111	I.Thamarai selvan	/	/	/	/	/
112	622121104112	K.Thamizharasan	/	/	/	/	/
113	622121104113	K.Thanujaa	/	/	/	/	/
114	622121104114	Thotta Manoj Kumar	/	/	/	/	/
115	622121104115	Thupakula Ganesh	/	/	/	/	/
116	622121104116	S.Trisha	/	/	/	/	/
117	622121104117	E.Udhayarasu	/	/	/	a	/
118	622121104118	M.Varshini	/	/	/	/	/
119	622121104119	N.Vasanth	/	/	/	/	/
120	622121104120	R.Vasanthavelan	/	/	/	/	/
121	622121104121	M.Vijay Anand	/	/	/	/	/
122	622121104122	M.Vimal	/	/	/	/	/
123	622121104123	N.Vinoth	/	/	/	/	/
124	622121104124	V.Vinothkumar	/	/	/	/	/
125	622121104125	S.Vishal	/	/	/	/	/
126	622121104126	D.Vishnu Selvan	/	/	/	/	/
127	622121104127	H.Yashmeen Mushra	/	/	/	/	/
128	622121104308	S.Pradeepa	/	/	/	/	/
129	622121104701	K.Rohith	/	/	/	/	/
130	622121104311	G.Tamizhanban	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
131	622121104307	A.Nantha Kumar	/	/	/	/	/
132	622121104303	Gorla Vamshidhar Reddy	/	/	/	/	/
133	622121104302	Dabbara Ganesh	/	/	/	/	/

COURSE COORDINATOR

HOD/CSE

HEAD OF THE DEPART...
COMPUTER SCIENCE & ENGIN...
PAAVAI ENGINEERING COLLE...
(AUTONOMOUS)
NH 44 PACHAL (P.O) NAMAKKAL - 6370...

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

J BHARATHKRISHNAN

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "DATA ANALYTICS WITH R". The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

M KAMALI

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "DATA ANALYTICS WITH R". The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

M POOJA

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "DATA ANALYTICS WITH R". The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

M SELVAM

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "DATA ANALYTICS WITH R". The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

S PRADEEPA

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "DATA ANALYTICS WITH R". The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)
NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2022-2023

Date:09.03.2023

CIRCULAR

It is planned to conduct Five Days Value Added Course on **"22CSVC601 - IOS App Development "** for Sixth semester students from 27.03.2023 to 31.03.2023 The interested students are asked to enroll their name to the course coordinator Mrs.K.Sudha Devi ASP/CSE on or before 16.03.2023.

Course Incharge: Mrs K.Sudha Devi ASP/CSE

COURSE COORDINATOR

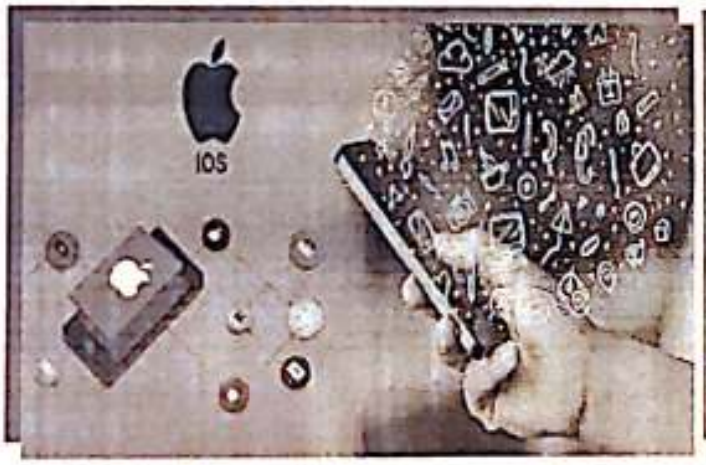
HOD/CSE

PAAVAI ENGINEERING COLLEGE
(Autonomous)
NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

22CSVC601 - IOS APP DEVELOPMENT

iOS application development is the process of making mobile applications for Apple hardware, including iPhone, iPad and iPod Touch. The software is written in the Swift programming language or Objective-C and then deployed to the App Store for users to download.



One of the major advantages of iOS app development is the extensive collection of developer resources available to you. Because of the standardization, functionality and consistency of iOS app development, Apple is able to release native APIs and libraries as kits that are stable, feature-rich and easy to use.

INTENDED AUDIENCE:

- III Year B.E., B.TECH., - Students
- Students able to create intents, importing entities and interfaces.

DATE: 27.03.2023 TO 31.03.2023

COURSE INCHARGE: Mrs.K.SUDHA DEVI, ASP/CSE

22CSVC601 IOS APP DEVELOPMENT

COURSE OBJECTIVES

To enable the students to:

- To understand the iOS app development ecosystem, including the role of Xcode and the App Store.
- To develop iOS applications using UIView.
- To implement user interfaces and navigation.

Unit I Introduction to iOS App Development

Overview of iOS development ecosystem - Introduction to Xcode IDE - Swift programming language basics.

Unit II Data Modeling and Visualization

Understanding UIViews and UIViewControllers - Designing user interfaces using Interface Builder - Implementing navigation and segues.

Unit III User Interfaces And Navigation

Introduction to Core Data framework - Working with local data storage - Integrating SQLite databases - Making HTTP requests with URLSession - Parsing JSON data.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to :

- Understand the iOS app development ecosystem, including the role of Xcode and the App Store.
- Develop iOS applications using UIView.
- Implement user interfaces and navigation.

TEXT BOOKS

1. "Swift Programming: The Big Nerd Ranch Guide" by John Gallagher and Matthew Mathias, 30 June 2022.

REFERENCES

1. "SwiftUI by Tutorials" by Audrey Tam, Steve Lipton, and Marin Todorov, 30 September 2021

PAAVAI ENGINEERING COLLEGE

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NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2022-2023

VALUE ADDED COURSES

ATTENDANCE SHEET

Year /Semester: III/06

Name of the Course: 22CSVC601 & IOS APP DEVELOPMENT

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
1	20104002	AJAY.S	/	/	/	/	/
2	20104003	ARAVINTHRAJ.N.S	/	/	/	/	/
3	20104004	ARULSELVAR.S	/	/	/	/	/
4	20104005	ARUNKUMAR.A	/	/	/	/	/
5	20104006	ARUNPANDIYAN. M	/	a	/	/	/
6	20104007	ASMA BEGAM.M	/	/	/	/	/
7	20104008	ASNY RAJELIN.D	/	/	/	/	/
8	20104009	ATCHAYA.B	/	/	/	/	/
9	20104010	ATTHISH.P	/	/	/	/	a
10	20104011	AVINASH.K	/	/	/	/	/
11	20104013	CHENNAREDDY ESWAR CHANDRA SAI	/	/	/	/	/
12	20104014	DAVID PRAKASH.M	/	/	/	/	/
13	20104015	DEEPASREE.M	/	/	/	/	/
14	20104016	DHANABALAN.K	/	/	/	/	/
15	20104017	DHARANIDHARAN.N	a	/	/	/	/
16	20104018	DHARSHINI.G	/	/	/	/	/
17	20104019	DHARSHINI.S	/	/	/	/	/
18	20104020	DHINAKARAN.S	/	/	/	/	/
19	20104021	DILIP.T.U	/	/	a	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
20	20104022	DINESHBABU.S	/	/	/	/	/
21	20104023	DUDDU RADHA KRISHNA	/	/	/	/	/
22	20104024	GOKUL PRASANTH.G	/	/	/	/	/
23	20104025	GOKUL PRASATH.M	/	/	/	/	/
24	20104026	GOWTHAM.D	/	a	/	/	/
25	20104027	GUNA.T	/	/	/	/	/
26	20104028	HARI PRASATH.G	/	/	/	/	/
27	20104029	HARIHARAN.K	/	/	/	/	/
28	20104030	JAGADEESH.M	/	/	/	/	/
29	20104031	JAI SURIYA.S	/	/	/	/	/
30	20104032	JASWANTHRAJ.G	/	/	/	a	/
31	20104033	JEEVA.S	/	/	/	/	/
32	20104034	JEEVA.V	/	/	/	/	/
33	20104035	JEEVANKUMAR.S	/	/	/	/	/
34	20104036	JERUSHA.A.S	a	/	/	/	/
35	20104037	JEYAPANDI.M	/	/	/	/	/
36	20104038	KANNAN.P	/	/	/	/	/
37	20104039	KARTHICK.R	/	/	/	/	/
38	20104040	KARTHIK.P	/	/	/	/	/
39	20104041	KAVIN.M	/	/	/	/	/
40	20104042	KAVINKUMAR.S	/	/	/	/	/
41	20104043	KAVINRAJA.S	/	/	a	/	/
42	20104044	KEERTHANA.V	/	/	/	/	/
43	20104045	KEERTHIVASAN.V	/	/	/	/	/
44	20104046	KESAVAN.L	/	/	/	/	/
45	20104047	KESHAVARAJSHARMAA. R	/	/	/	/	a
46	20104048	KIRUBAKARAN.E	/	/	/	/	/
47	20104049	KIRUBHA.M	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
48	20104050	KISHORE KUMAR. AL	/	/	/	/	/
49	20104051	KISHORE NITHIN.N	/	/	/	/	/
50	20104052	KRISHNAKUMAR.G	/	/	/	/	/
51	20104053	LALITHKUMAR.V	/	/	/	/	/
52	20104054	MADESH.R	/	/	/	/	/
53	20104055	MAHANANTHAM.N	/	/	/	/	/
54	20104056	MAIBALAN.K	/	/	/	/	/
55	20104057	MANOJPRABHAKAR.P	/	/	/	/	a
56	20104058	MATHAKALA MANEESHA	/	/	/	/	/
57	20104059	MEKALA.M	/	/	/	/	/
58	20104060	MITHRAN.I.R	/	/	/	/	/
59	20104061	MOHANA PRIYA.V	/	/	/	/	/
60	20104062	MUGUNDHAN.R	/	/	/	/	/
61	20104063	NANDHINI.A	/	/	/	/	/
62	20104064	NANDHINI.A	/	/	/	/	/
63	20104065	NANDHINI.S	/	/	/	/	/
64	20104066	NARAYANASAMY.V.M	/	/	/	/	/
65	20104067	NATHISH KUMAR.M	/	/	/	/	/
66	20104068	NAVEEN VIJAY.T	/	/	/	/	/
67	20104069	NAVIN KRISHNA.S.R	/	/	/	/	/
68	20104070	NITHISH KUMAR.N	a	/	/	/	/
69	20104071	NITHYASRI.M	/	/	/	/	/
70	20104072	PAMIDI PRAHARSHA	/	/	/	/	/
71	20104073	PRADEEPKUMAR.A	/	/	/	/	/
72	20104074	PREETHI.S	/	/	/	/	/
73	20104075	PRIYANKA.S	/	/	/	a	/
74	20104076	PUGAZHENTHI.K	/	/	/	/	/
75	20104077	RATHIS.M	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
76	20104078	ROSHINI.V	/	/	/	/	/
77	20104079	RUTHRA. M	/	/	/	/	/
78	20104080	SABARINATHAN.C	/	/	/	/	/
79	20104081	SAKTHI SRIDHAR.S.B	/	a	/	/	/
80	20104082	SAMIDURAI.D	/	/	/	/	/
81	20104083	SANJAY BABU.M	/	/	/	/	/
82	20104084	SANJAYPRASANTH. T.M	/	/	/	/	/
83	20104085	SANTHOSH.S	/	/	/	/	/
84	20104086	SANTHOSHKUMAR.C	/	/	/	/	/
85	20104087	SARAN.V	/	/	/	/	/
86	20104088	SARANYA.S	/	/	/	/	/
87	20104089	SASIREKHA.R	/	/	/	/	/
88	20104090	SETHUPATHI.C	/	/	/	/	/
89	20104091	SHARAVANAN.A.K	/	/	a	/	/
90	20104092	SIMI LAUREN.J	/	/	/	/	/
91	20104093	SOUNDHARAJAN.S	/	/	/	/	/
92	20104094	SOWMYA.K	/	/	/	/	/
93	20104095	SRIKANTH.J	/	/	/	/	/
94	20104096	SRIKANTH.K	/	/	/	/	/
95	20104097	SRIKANTH.S	/	/	/	/	/
96	20104098	SUBA.R	/	/	/	/	/
97	20104099	SUBHIKSHA.G.B	/	/	/	/	/
98	20104100	SUJITH.D	/	/	/	/	/
99	20104101	SURESH.E	/	/	/	/	/
100	20104102	SURIYA. A	/	/	/	/	/
101	20104103	SURYA. R	/	/	/	/	/
102	20104104	SWITHA.R	/	/	/	/	/
103	20104105	UMMADIPOLU LAKSHMI LAHARI	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
104	20104106	VAGRASRI S	/	/	/	/	a
105	20104107	VARSHINI .S	/	/	/	/	/
106	20104108	VASANTHAN.B	a	/	/	/	/
107	20104111	VETRISELVAN.V	/	/	/	/	/
108	20104112	VIGNESHWARAN.K	/	/	/	/	/
109	20104113	VIMALRAJ.S	/	/	/	/	/
110	20104114	VISHWA TEJA.S	/	/	/	/	/
111	20104115	YOGASUNDARAM.K	/	/	/	/	/
112	20104116	YUKESHKUMAR.A	/	/	/	a	/
113	20104301	BALAJI.T	/	/	/	/	/
114	20104303	ELAVARASI.K	/	/	/	/	/
115	20104304	GOKUL KANNAN.S	/	/	/	/	/
116	20104305	MONISH KUMAR.R	/	/	/	/	/
117	20104308	VIGNESH.G	/	/	/	/	/
118	20104501	VENKATESH .C	/	/	/	/	/

COURSE COORDINATOR

HOD/CSE

HEAD OF THE DEPART..
COMPUTER SCIENCE & ENGINE..
PAAVAI ENGINEERING COLLEG..
(AUTONOMOUS)
NH 44 PACHAL (P.O) NAMAKKAL - 637018

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

ATTHISH P

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "IOS APP DEVELOPMENT". The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

DINAKARAN S

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "IOS APP DEVELOPMENT". The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

KIRUBHA M

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "IOS APP DEVELOPMENT". The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

SANTHOSH KUMAR C

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "IOS APP DEVELOPMENT". The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

SUBA R

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "IOS APP DEVELOPMENT". The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)
NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2022-2023

Date:09.03.2023

CIRCULAR

It is planned to conduct Five Days Value Added Course on "22CSVC801 - **Android App Development**" for Eighth semester students from 27.03.2023 TO 31.03.2023. The interested students are asked to enroll their name to the course coordinator Mrs.K.Sudha Devi ASP/CSE on or before 16.03.2023.

Course Incharge: Mr.V.Maheshkumar, AP/CSE

COURSE COORDINATOR

HOD/CSE

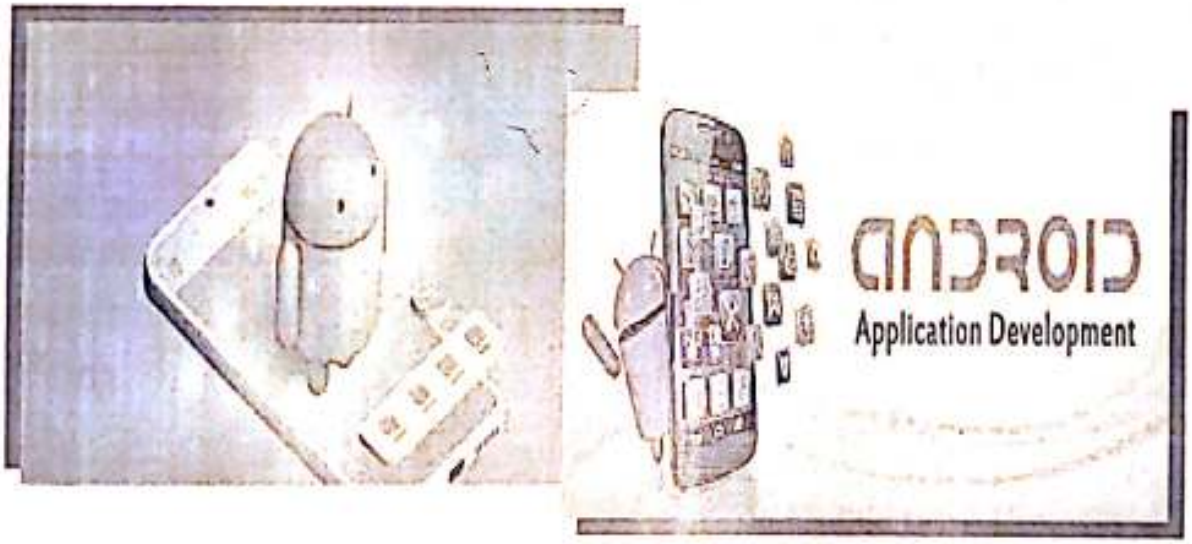
PAAVAI ENGINEERING COLLEGE

(Autonomous)
NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

22CSVC801 - ANDROID APP DEVELOPMENT

Android App development, it is very important that you familiarize yourself with the build automation tools as well as the integrated development environment before you start developing your app. You can use Android app studio IDE or Eclipse for the tools; they will help you learn the basics and many other things that will help improve your code. You can learn Apache Maven, Apache Ant, and Gradle as they provide a powerful set of tools to help in managing your builds..



Android is a fragmented market with many different devices and operating system versions. Note that, if your device supports more devices and/or versions it will definitely require more maintenance and testing as well as the related costs.

INTENDED AUDIENCE:

- IV Year B.E., B.TECH., - Students
- Students able to implement data sources and databases, modelling and visualization, power Bi queries,

DATE: 27.03.2023 TO 31.03.2023

COURSE INCHARGE: Mr.V.MAHESHKUMAR, AP/CSE

22CSVC801 ANDROID APP DEVELOPMENT

COURSE OBJECTIVES

To enable the students to:

- To understand the Android app development ecosystem, including the role of Android Studio and the Google Play Store.
- To develop Android applications using Activities and Fragments.
- To implement user interfaces and navigation using XML layouts and Android UI components.

Unit I Introduction to Android App Development

Overview of Android development ecosystem - Introduction to Android Studio IDE - Setting up development environment and creating first Android project.

Unit II Activities and Fragments

Introduction to Activities and Fragments - Managing multiple activities and fragment transactions - Implementing navigation using Intents and Intent Filters.

Unit III Data Management

Understanding XML layouts and resource files - Designing user interfaces using Layouts, Views, and ViewGroups - Handling user input and events.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to :

- Understand the Android app development ecosystem, including the role of Android Studio and the Google Play Store.
- Develop Android applications using Java programming language.
- Implement user interfaces and navigation using XML layouts and Android UI components.

TEXT BOOKS

1. Android Programming: The Big Nerd Ranch Guide (Big Nerd Ranch Guides) by Bill Phillips, Chris Stewart, Kristin Marsicano, Brian Gardner..

REFERENCES

1. Programming Android: Java Programming for the New Generation of Mobile Devices by Zigurd Mednieks, G. Blake Meike, Laird Dornin, and Masumi Nakamura.

PAAVAI ENGINEERING COLLEGE

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NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2022-2023

VALUE ADDED COURSES

ATTENDANCE SHEET

Year /Semester: IV/08

Name of the Course: 21CSVC801 & ANDROID APP DEVELOPMENT

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
1	19104001	ABINESH.R	/	/	a	/	/
2	19104002	ABIRAMI.P	/	/	/	/	/
3	19104003	ADHISH.M	/	/	/	/	/
4	19104005	AMIRTHA VARSHINI.A	/	/	/	/	/
5	19104006	ARAVINDRAJ.S	/	/	/	/	/
6	19104007	ARAVINTH.S	/	/	/	/	/
7	19104008	ARULPRASANTH.R	/	/	/	/	/
8	19104009	ARUNKUMAR.A	/	/	/	/	/
9	19104010	ARUNKUMAR.P	/	/	/	/	a
10	19104011	ASHWIN.A	/	/	/	/	/
11	19104012	ASHWATH.S	/	/	/	/	/
12	19104013	BALAKRISHNAN.V	/	/	/	/	/
13	19104014	BALAMURUGAN.K	/	/	/	/	/
14	19104015	BHARATHKUMAR.G	/	/	/	/	/
15	19104016	BHAVANRAMANA.E	a	/	/	/	/
16	19104018	CHANDRU.P	/	/	/	/	/
17	19104019	CHERUB EBENEZER	/	/	/	/	/
18	19104020	DHEENADAYALAN.K	/	/	/	/	/
19	19104022	DHANU PRASANTH.M	/	a	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
20	19104023	DHARNISHRAJA.J	/	/	/	/	/
21	19104024	DHARSHANNATH.Y	/	/	/	/	/
22	19104025	GAVIYALAKSHMI.J	/	/	/	/	a
23	19104026	GAYATHRI.R	/	/	/	/	/
24	19104027	GOKILA.K.M	/	/	/	/	/
25	19104028	GOKUL.R	/	a	/	/	/
26	19104029	GOPIKA.R	/	/	/	/	/
27	19104030	GORLA CHADU	/	/	/	/	/
28	19104031	GOWTHAM.K	/	/	/	/	/
29	19104032	GUNASEELAN.M	/	/	/	/	/
30	19104033	HARIPRIYA.R	/	/	/	/	/
31	19104034	HARISHKUMAR.C	/	/	/	/	/
32	19104035	HEMALATHA.S	/	/	/	/	/
33	19104036	HEMALATHA.T	/	/	/	a	/
34	19104037	INDUJA.B	/	/	/	/	/
35	19104038	INTHUJA.M	/	/	/	/	/
36	19104039	IYYAPPAN.N	/	/	/	/	/
37	19104040	JAGANATHAN.K	/	/	/	/	/
38	19104041	JAYABARATHI.S.P	/	/	/	/	/
39	19104042	JAYALAKSHMI.P	/	/	/	/	/
40	19104043	KARTHIK.P	/	/	/	/	/
41	19104044	KARTHIKA.M	/	/	/	/	/
42	19104045	KARTHIKEYAN.K	/	/	/	/	/
43	19104046	KAVIMANI.M	/	/	/	/	/
44	19104047	KAVIYARASU.M	a	/	/	/	/
45	19104048	KIRUTHIKA.M	/	/	/	/	/
46	19104049	KIRUTHIKA.R.A	/	/	/	/	/
47	19104051	MADESH.S	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
48	19104053	MADHUSUDHANAN.S	/	/	/	/	/
49	19104054	MAGIMASRI.K	/	/	/	/	/
50	19104055	MANI PRABHU.T	/	/	a	/	/
51	19104056	MANIKANDAN.A	/	/	/	/	/
52	19104057	MATHUMITHA.M	/	/	/	/	/
53	19104058	MOHAMMAD ROUSHAN.M	/	/	/	/	/
54	19104059	MOHAMMAD SALIM.K	/	/	/	/	/
55	19104060	MOHAN.M	/	/	/	/	/
56	19104061	MONAL.K	/	/	/	/	/
57	19104063	MONISH.V	/	/	/	/	/
58	19104064	MUGESH KUMAR.S	/	/	/	a	/
59	19104076	PULIMI HEMANTH KUMAR REDDY	/	/	/	/	/
60	19104065	MUKESH.P	/	/	/	/	/
61	19104066	MUTHUPANDI.S	/	/	/	/	/
62	19104067	NANDHAGOPAL.C	/	/	/	/	/
63	19104068	NANDHAKUMAR.K	a	/	/	/	/
64	19104069	NANDHAKUMAR.M	/	/	/	/	/
65	19104070	NAVEEN.S	/	/	/	/	/
66	19104071	NITHYANANDAN.K	/	/	/	/	/
67	19104072	PRAVEENKUMAR.R	/	/	/	/	/
68	19104073	PRIYADHARSHNINI.M	/	/	/	/	/
69	19104074	PRIYADHARSHNINI.R	/	/	/	/	a
70	19104075	PRIYANKA.G	/	/	/	/	/
71	19104077	RAGHAVAN.B	/	/	/	/	/
72	19104078	RAJADURAI.M	/	/	/	/	/
73	19104080	RAMALAKSHMANAN	/	/	/	/	/
74	19104081	RAMKUMAR.K	/	/	/	/	/
75	19104065	MUKESH.P	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
76	19104082	ROHKITH ROSHAN.S	/	/	/	/	/
77	19104083	ROSHNA.R	/	/	/	/	/
78	19104084	SAMDANIEL.D	/	/	/	/	/
79	19104085	SANDEEP.S	/	a	/	/	/
80	19104086	SANDHIYA.S	/	/	/	/	/
81	19104087	SANJAY.G	/	/	/	/	/
82	19104088	SANTHIYA.R	/	/	/	/	/
83	19104089	SANTHOSH.B	/	/	/	/	/
84	19104090	SATHISH.B	/	/	/	/	/
85	19104091	SATISH.J	/	/	/	/	/
86	19104092	SELVABHARATHI.S	/	/	/	/	/
87	19104093	SERRANGEVI.S	/	/	/	/	/
88	19104094	SHAJU.V	/	/	/	/	/
89	19104095	SHALINI.R	/	/	/	/	/
90	19104096	SHANJAY.V	/	/	/	/	/
91	19104097	SHANKARESH.R	/	/	/	/	/
92	19104098	SHARATH.R	/	/	/	a	/
93	19104099	SHREEHARINI.M	/	/	/	/	/
94	19104100	SILAMBARASAN.V	/	/	/	/	/
95	19104101	SINDHU.P	/	/	/	/	/
96	19104102	SINRAJ.S	/	/	/	/	/
97	19104103	SIVAKARAN.S	/	/	/	/	/
98	19104104	SIVANANTHAN.S	/	/	/	/	/
99	19104105	SUJITH.S	/	/	/	/	/
100	19104106	SUJITHA.S	/	/	/	/	/
101	19104107	SURENDHAR.S	/	/	/	/	/
102	19104108	SURIYASANKAR.P	/	/	/	/	/
103	19104109	SWETHA.P	/	/	/	/	/

S.NO.	REGISTER NO.	NAME OF THE STUDENT	27.03.2023	28.03.2023	29.03.2023	30.03.2023	31.03.2023
104	19104110	SWETHA.G.V	/	/	/	/	/
105	19104111	SWETHA.M	/	/	/	/	/
106	19104112	THAVASI.S	/	/	/	/	/
107	19104114	TONYDAVIDRAJ.M	/	/	/	/	/
108	19104115	UDAYAKIRAN.S	/	/	/	/	/
109	19104116	UDAYAN.R	/	/	/	/	/
110	19104117	VARUNKRISHNAN.V	/	/	/	/	/
111	19104118	VASANTH.K	/	/	/	/	/
112	19104119	VASUNDHARADEVI.S	/	/	a	/	/
113	19104121	VIJAYA SHANKAR.P	/	/	/	/	/
114	19104122	VIJAYAKUMAR.R	/	/	/	/	/
115	19104123	VIJAYALAKSHMI.R	/	/	/	/	/
116	19104124	VIJAY VENKATESHWARAN.M	/	/	/	/	/
117	19104125	YUVARANI.R	/	/	/	/	/
118	19104126	YUVETHA.S	/	/	/	/	/
119	19104301	MOHAMMED HASSAN.S	/	/	/	/	/
120	19104302	PRABHUDEVA.B	/	/	/	/	/

COURSE COORDINATOR

HOD/CSE

HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NH 44 PACHAL (PO) NAMAKKAL - 637

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

R HARIPRIYA

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "ANDROID APP DEVELOPMENT". The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

M KAVIMANI

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "ANDROID APP DEVELOPMENT". The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

S SURENDHAR

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "ANDROID APP DEVELOPMENT". The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

G V SWETHA

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "ANDROID APP DEVELOPMENT". The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

R VIJAYAKUMAR

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "ANDROID APP DEVELOPMENT". The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL - 637 018

DEPARTMENT OF CYBER SECURITY

DATE: 09.08.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "MACHINE LEARNING WITH PYTHON" for Third semester students from 19.09.22 to 23.09.22.The interested students are asked to enroll their names to the course coordinator M. Karthik, AP/CYS on or before 18.09.22.

Course Coordinators: M. KARTHIK, AP/CYS

HOD/CYS

Copy to:

Notice board

PAAVAI ENGIEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

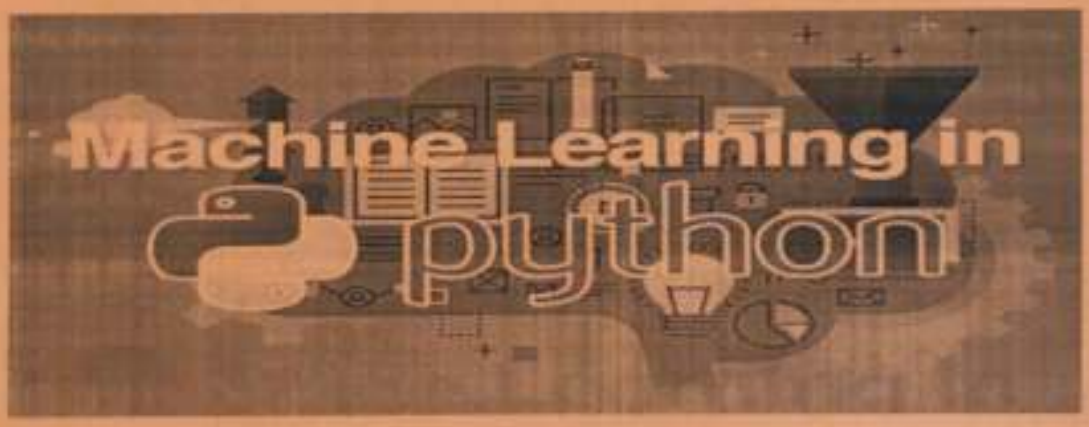
Value Added Course

ON

20CYVC301 - MACHINE LEARNING WITH PYTHON

ABOUT THE COURSE:

Machine learning is a method of teaching computers to learn from data, without being explicitly programmed. Python is a popular programming language for machine learning because it has a large number of powerful libraries and frameworks that make it easy to implement machine learning algorithms.



INTENDED AUDIENCE:

- II Year of B.E, B. Tech – Students
- Students able to apply a variety of techniques to solve problems in areas such as machine learning and Artificial Intelligence.

Date: 19.09.22 to 23.09.22

Venue: Class Room No 318

Course Coordinator:

M. Karthik, AP/ CYS

PAAVAI ENGIEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

Machine Learning with Python

20CYVC301

COURSE OBJECTIVES

To enable the students to

- understand the fundamentals of various machine learning algorithms.
- gain knowledge on important methods in Fuzzy and Genetic algorithm.
- study the machine learning algorithms for various heuristic and non-heuristic algorithms.

Module 1 - Introduction to Machine Learning

Applications of Machine Learning, Supervised vs Unsupervised Learning, Python libraries suitable for Machine Learning, Linear Regression Non-linear Regression, Model evaluation methods.

Module 2 – Classification

K-Nearest Neighbour, Decision Trees, Logistic Regression, Support Vector Machines, Model Evaluation.

Module 3 - Unsupervised Learning

K-Means Clustering, Hierarchical Clustering, Density-Based Clustering, Content-based recommender systems, Collaborative Filtering.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- differentiate the basics of supervised and semi supervised learning methods.
- retrieve the unsupervised and reinforcement learning methods involved in artificial learning.
- interpret the concept of artificial neural networks and their control applications.

TEXT BOOKS

1. Ethem Alpaydin, Introduction to Machine Learning, The MIT Press, Cambridge, London.2014.

REFERENCES

1. Simon Haykin, Neural Networks , A comprehensive foundation, Prentice Hall, 3rd Edition, 2004.

PAAVAI ENGIEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/III

Name of the Course: 20CYVC301- Machine Learning with Python

S. No	Register Number	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
1	622121111001	AKASH.K	/	/	/	/	/
2	622121111003	ARULKUMAR.S	/	/	/	/	/
3	622121111004	ARUN.R	/	/	/	/	/
4	622121111005	BALA.P	/	/	/	/	/
5	622121111006	BALAMANIKANDAN.M	/	/	/	/	/
6	622121111007	BHARANIDHARAN.S	a	a	a	a	a
7	622121111008	BHUVANESWARAN.B	/	/	/	/	/
8	622121111009	DHANUSH.M	/	/	/	/	/
9	622121111010	DHARANI.D	/	/	/	/	/
10	622121111011	DHARMARAJ.D	/	/	/	/	/
11	622121111012	DHARSINI.R	/	/	/	/	/
12	622121111013	DHINAKARAN.S	/	/	/	/	/
13	622121111014	DURGADEVI.S	/	/	/	/	/
14	622121111015	ELAMPARITHI.S	/	/	/	/	/
15	622121111016	GOKUL.R	/	/	/	/	/
16	622121111017	GOKULNATH.S	/	/	/	/	/
17	622121111018	GOWTHAM.A	a	a	a	a	a
18	622121111019	HARIHARAN.S	/	/	/	/	/
19	622121111020	HARIKRISHNAN.R	/	/	/	/	/
20	622121111021	JANA.M	a	/	/	/	/
21	622121111022	JAYASRI.S	/	/	/	/	/
22	622121111023	JEEVANANTHAM.M	/	/	/	/	/
23	622121111024	KABILAN.K	/	/	/	/	/
24	622121111025	KARTHICK.R	/	/	/	/	/
25	622121111026	KESAVAN.T	/	/	/	/	/
26	622121111027	KESHAVAN.T	/	/	/	/	/
27	622121111028	KUMARJEYEYANTH.K	/	/	/	/	/
28	622121111029	KUMARESAN.L	/	/	/	/	/
29	622121111030	MADHAN KUMAR.M	/	/	/	/	/
30	622121111031	MAGIMAI RAJ.J	/	/	/	/	/
31	622121111032	MUKESH.M	/	/	/	/	/
32	622121111033	MUTHUPANDIYAN.P	/	/	/	/	/
33	622121111034	NANDHAKUMAR.B	/	/	/	/	/
34	622121111035	NIRANJANI.M	/	/	/	/	/

35	622121111036	NITHIYAN.M	/	/	/	/	/
36	622121111037	PASUPATHI.R	/	/	/	/	/
37	622121111038	PAVINATH.E	/	/	/	/	/
38	622121111039	POOBALAN.M	/	/	/	/	/
39	622121111040	PRASANTH.S	/	/	/	/	/
40	622121111041	PRAVEENKUMAR.A	/	/	/	/	/
41	622121111042	RAGUL Y.S	/	/	/	/	a
42	622121111043	RAJA.S	/	/	/	/	/
43	622121111044	RAJAMOHAN.R	/	/	/	/	/
44	622121111045	RANJITH.B	/	/	/	/	/
45	622121111046	ROHIT.K	/	/	/	a	a
46	622121111047	SABARISHAN.P	/	/	/	/	/
47	622121111048	SABHAREESH.S	/	/	/	/	/
48	622121111049	SAKTHI.K	/	/	/	/	/
49	622121111050	SALMANKHAN.K	/	/	/	/	/
50	622121111051	SANGAMITHRAN.M	/	/	/	/	/
51	622121111052	SANJAY.P	/	/	/	/	/
52	622121111053	SANTHOSH KUMAR.M	/	/	/	/	/
53	622121111054	SARANRAJ.K	/	/	/	/	/
54	622121111055	SATHISHKUMAR.V	/	/	a	a	/
55	622121111056	SRI CIBI.S	/	/	/	/	/
56	622121111057	SRI SARAN.S	/	/	/	/	/
57	622121111058	SRIPRASANNA.S	/	/	/	/	/
58	622121111059	SUSHMITHA.K	/	/	/	/	/
59	622121111060	THARNEESH S.R	/	/	/	/	/
60	622121111061	THIVAGAR A.P	/	/	/	/	/
61	622121111062	VINOTH KUMAR.M	/	/	/	/	/
62	6221211110301	GOKUL.B	/	/	/	/	/

M. Kavitha
Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Cyber Security

CERTIFICATE

This is to certify that

DHANUSH.M

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course “MACHINE LEARNING WITH PYTHON ”. The duration of the course is 30 hours.

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Cyber Security

CERTIFICATE

This is to certify that

KABILAN.K

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course “MACHINE LEARNING WITH PYTHON ”. The duration of the course is 30 hours (19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Cyber Security

CERTIFICATE

This is to certify that

KESHAVAN.T

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course “MACHINE LEARNING WITH PYTHON ”. The duration of the course is 30 hours (19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Cyber Security

CERTIFICATE

This is to certify that

SUSHMITHA.K

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course “MACHINE LEARNING WITH PYTHON ”. The duration of the course is 30 hours (19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Cyber Security

CERTIFICATE

This is to certify that

GOKUL B

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course “MACHINE LEARNING WITH PYTHON ”. The duration of the course is 30 hours (19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL - 637 018

DEPARTMENT OF CYBER SECURITY

DATE: 17.03.2023

CIRCULAR

It is planned to conduct Five Days Value Added Course on "DATA ANALYTICS WITH R" for Fourth semester students from 27.03.23 to 31.03.23.The interested students are asked to enroll their names to the course coordinator S. Rathi, AP/CYS on or before 25.03.23.

Course Coordinators: S. RATHI, AP/CYS

HOD/CYS

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PAAVAI ENGIEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

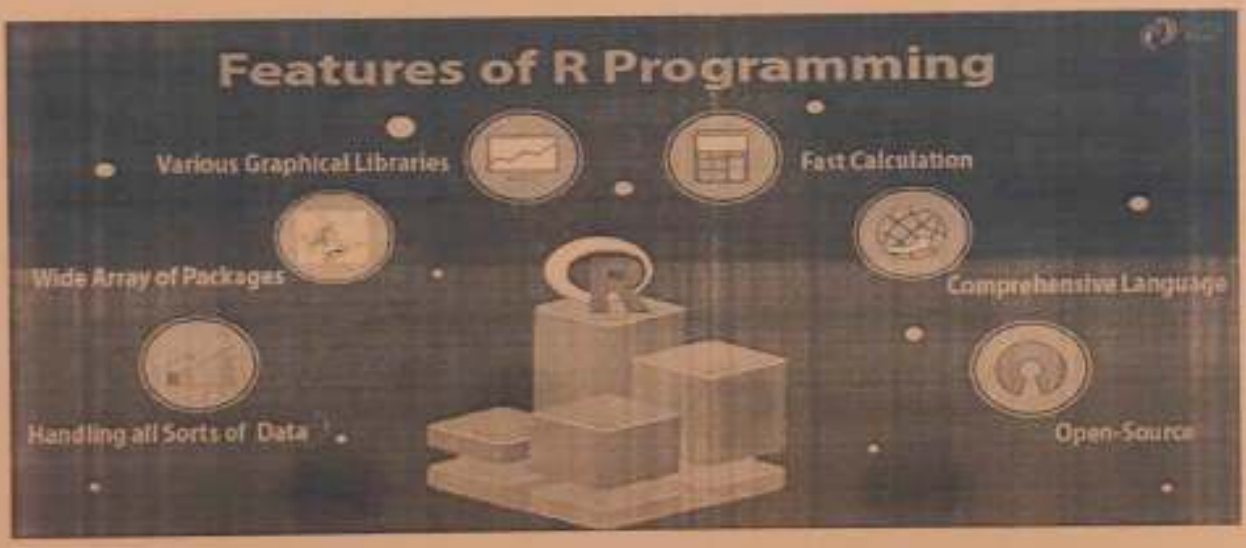
Value Added Course

ON

20CYVC401 - DATA ANALYTICS WITH R

ABOUT THE COURSE:

R analytics is data analytics using R programming language, an open-source language used for statistical computing or graphics. This programming language is often used in statistical analysis and data mining. It can be used for analytics to identify patterns and build practical models.



INTENDED AUDIENCE:

- II Year of B.E, B. Tech – Students
- Students able to apply a variety of techniques to solve problems in areas such as Data Analytics and R.

Date: 27.03.23 to 31.03.23

Venue: Class Room No 319

Course Coordinator:

S. Rathi, AP/ CYS

PAAVAI ENGIEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

Data Analytics with R

20CYVC401

COURSE OBJECTIVES

To enable the students to

- understand about basic concept data Analytics
- integrate R in a Hadoop platform
- write R codes to manipulate data

Module 1 - Introduction to Data Analysis

Overview of Data Analytics, Need of Data Analytics, Nature of Data, Classification of Data: Structured, Semi-Structured, Unstructured, Characteristics of Data, Applications of Data Analytics.

Module 2 - R Programming Basics

Overview of R programming, Environment setup with R Studio, R Commands, Variables and Data Types, Control Structures, Array, Matrix, Vectors, Factors, Functions, R packages.

Module 3 - Data Visualization using R

Reading and getting data into R (External Data): Using CSV files, XML files, Web Data, JSON files, Databases, Excel files. Working with R Charts and Graphs: Histograms, Boxplots, Bar Charts, Line Graphs, Scatterplots, Pie Charts.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- analyze basic concept data Analytics
- demonstrate R in a Hadoop platform
- implement R codes to manipulate data

TEXT BOOKS

1. R for data science: Import, Tidy, Transform, Visualize, And Model Data Paperback – 20 January 2017.

REFERENCES

1. The Art of R Programming: A Tour of Statistical Software Design Paperback – 11 October 2011

PAAVAI ENGIEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/IV
Name of the Course: 20CYVC401- Data Analytics with R

S.No	Register Number	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
1	6221211111001	AKASH.K	/	/	/	/	/
2	6221211111003	ARULKUMAR.S	/	/	/	/	/
3	6221211111004	ARUN.R	/	/	/	/	/
4	6221211111005	BALA.P	/	/	/	/	/
5	6221211111006	BALAMANIKANDAN.M	/	/	/	/	/
6	6221211111007	BHARANIDHARAN.S	/	/	/	/	/
7	6221211111008	BHUVANESWARAN.B	a	/	/	/	/
8	6221211111009	DHANUSH.M	/	/	/	/	/
9	6221211111010	DHARANI.D	/	/	/	/	/
10	6221211111011	DHARMARAJ.D	/	/	/	/	/
11	6221211111012	DHARSINI.R	/	/	/	/	/
12	6221211111013	DHINAKARAN.S	/	/	/	/	/
13	6221211111014	DURGADEVI.S	/	/	/	/	/
14	6221211111015	ELAMPARITHI.S	/	/	/	/	/
15	6221211111016	GOKUL.R	/	/	/	/	/
16	6221211111017	GOKULNATH.S	/	/	/	/	/
17	6221211111018	GOWTHAM.A	/	/	a	/	/
18	6221211111019	HARIHARAN.S	/	/	/	/	/
19	6221211111020	HARIKRISHNAN.R	/	/	/	/	/
20	6221211111021	JANA.M	/	/	/	/	/
21	6221211111022	JAYASRI.S	/	/	/	/	/
22	6221211111023	JEEVANANTHAM.M	/	/	/	/	/
23	6221211111024	KABILAN.K	/	/	/	/	/

24	622121111025	KARTHICK.R	/	/	/	/	/
25	622121111026	KESAVAN.T	/	/	/	/	/
26	622121111027	KESHAVAN.T	/	/	/	/	/
27	622121111028	KUMARJEYEYANTH.K	a	a	a	a	a
28	622121111029	KUMARESAN.L	/	/	/	/	/
29	622121111030	MADHAN KUMAR.M	/	/	/	/	/
30	622121111031	MAGIMAI RAJ.J	/	/	/	/	/
31	622121111032	MUKESH.M	/	/	/	/	/
32	622121111033	MUTHUPANDIYAN.P	/	/	/	/	/
33	622121111034	NANDHAKUMAR.B	/	/	/	/	/
34	622121111035	NIRANJANI.M	/	/	/	/	/
35	622121111036	NITHIYAN.M	/	/	/	/	/
36	622121111037	PASUPATHI.R	/	/	/	/	/
37	622121111038	PAVINATH.E	/	/	/	/	/
38	622121111039	POOBALAN.M	/	/	/	/	/
39	622121111040	PRASANTH.S	/	/	/	/	/
40	622121111041	PRAVEENKUMAR.A	/	/	/	/	/
41	622121111042	RAGUL Y.S	/	/	/	/	/
42	622121111043	RAJA.S	/	/	/	/	/
43	622121111044	RAJAMOHAN.R	/	/	/	/	/
44	622121111045	RANJITH.B	/	/	/	/	/
45	622121111046	ROHIT.K	/	/	/	/	/
46	622121111047	SABARISHAN.P	/	/	/	/	/
47	622121111048	SABHAREESH.S	/	/	/	a	a
48	622121111049	SAKTHI.K	/	/	/	/	/
49	622121111050	SALMANKHAN.K	/	/	/	/	/
50	622121111051	SANGAMITHRAN.M	/	/	/	/	/
51	622121111052	SANJAY.P	a	/	/	a	/
52	622121111053	SANTHOSHKUMAR.M	/	/	/	/	/
53	622121111054	SARANRAJ.K	/	/	/	/	/
54	622121111055	SATHISHKUMAR.V	/	/	/	/	/
55	622121111056	SRI CIBI.S	/	/	/	/	/
56	622121111057	SRI SARAN.S	/	/	/	/	/
57	622121111058	SRIPRASANNA.S	/	/	/	/	/
58	622121111059	SUSHMITHA.K	/	/	/	/	/
59	622121111060	THARNEESH S.R	/	/	/	/	/
60	622121111061	THIVAGAR A.P	/	/	/	/	/
61	622121111062	VINOTH KUMAR.M	/	/	/	/	/
62	6221211110301	GOKUL.B	a	a	a	a	a

Course Coordinator

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL - 637 018

DEPARTMENT OF CYBER SECURITY

DATE: 09.08.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "SECURITY PATTERNS" for Fifth semester students from 19.09.22 to 23.09.22.The interested students are asked to enroll their names to the course coordinator R. Loganathan, AP/CYS on or before 18.09.22.

Course Coordinators: R. LOGANATHAN, AP/CYS

HOD/CYS

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PAAVAI ENGIEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

Value Added Course

ON

20CYVC501 SECURITY PATTERNS

ABOUT THE COURSE:

Security patterns can be applied to achieve goals in the area of security. All of the classical design patterns have different instantiations to fulfill some information security goal: such as confidentiality, integrity, and availability. Additionally, one can create a new design pattern to specifically achieve some security goal.

INTENDED AUDIENCE:

- III Year of B.E, B. Tech – Students
- Students able to apply a variety of techniques to solve security issues by creating pattern to achieve security goals.

Date: 19.09.22 to 23.09.22

Venue: Class Room No 318

Course Coordinator:

R. Loganathan, AP/ CYS

PAAVAI ENGIEERING COLLEGE
(Autonomous)

DEPARTMENT OF CYBER SECURITY

SECURITY PATTERNS

20CYVC501

COURSE OBJECTIVES

To enable the students to

- learn Software Development and Deployment that is reliable, scalable and portable.
- learn object oriented programming through Security Design Patterns.
- learn secure integrating web applications developed on varied platform through security Patterns.

Module 1 - Introduction to Security patterns

Introduction to Security patterns, Nature and need of security patterns, evaluation of security, Patterns and their effect on security, Anatomy of security patterns, Characteristics of security patterns, uses of security patterns, classification of security patterns.

Module 2 - Security Pattern Landscape

Security Pattern Landscape, Circle of Trust, Security Needs Identification for Enterprise Assets, Threat Assessment, Vulnerability Assessment, Identification & Authentication (I&A) Requirements and Patterns.

Module 3 - Patterns for Access Control

Patterns for Access Control: Authorization, Role-Based Access Control, Multilevel Security, Reference Monitor, Role Rights Definition, Implementation of Authentication and Authorization patterns.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- acquire Software development skills that are reliable, scalable and portable applications.
- design and implement software development with Clean Code through use of Security design patterns.
- build authentication systems with secure and reliable components.

TEXT BOOKS

1. Eduardo Fernandez, "Security patterns in Practice", Wiley , First Edition, 2013.

REFERENCES

1. Chad Dougherty, Kirk Sayre, Robert C. Seacord, David Svoboda, Kazuya Togashi "Secure Design Patterns", Software Engineering Institute, CERT, First Edition, 2009.

PAAVAI ENGIEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III / V

Name of the Course: 20CYVC501 SECURITY PATTERNS

S. No	Register Number	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
1	20111001	ABILASH.M	/	/	/	/	/
2	20111002	ADHITHYA G KRISHNA	/	/	/	/	/
3	20111003	ADHITHYA.T	/	/	/	/	/
4	20111005	AKCHAYA.B	/	/	/	/	/
5	20111006	ANISTO MEJIN.A	/	/	/	/	/
6	20111008	BARATHINIKESHAN.S	/	/	/	/	/
7	20111009	BEN GARRY	/	/	/	/	/
8	20111010	BHARATH KUMAR.G	/	/	/	/	/
9	20111011	DHARNESH.L	/	/	/	/	/
10	20111012	DHARSHINI.S.R	/	/	/	/	/
11	20111013	DHINESH.M	/	/	/	/	/
12	20111014	GOPIKRISHNAN.S	/	/	/	/	/
13	20111015	HARIDHARAN.A	/	/	/	/	/
14	20111016	HARIHARAN.R	/	/	/	/	/
15	20111017	HARIHARAN.S.B	/	/	/	/	/
16	20111018	HARIHARAN.S.B	/	/	/	/	/
17	20111020	HARISH JAYARAJ.B	/	/	/	/	/
18	20111021	JEYASENAADHI.J	/	/	/	/	/
19	20111022	KABILAN.S	/	/	/	/	/
20	20111023	KAPILSURYA.R	/	/	/	/	/
21	20111024	KAVIYARAJ.S.S	/	/	/	/	/
22	20111025	KAVIYARASU.G	/	/	/	/	/
23	20111026	KIRUTHIKA.Y	/	/	/	/	/
24	20111027	KOWSHIK.E	/	/	/	/	/
25	20111028	KUBENDIRAN.E	/	/	a	/	/
26	20111029	MANIKANDAN.N					
27	20111030	MANOJ.K	/	/	/	/	/
28	20111031	MOHAMMED AZARUDEEN.N	/	/	/	/	/
29	20111032	MOHANRAJ.M	/	/	/	a	/
30	20111033	MONISHKANNA.R	/	/	/	/	/
31	20111034	MUKESH.M	/	/	/	/	/
32	20111035	PARAMANANTHAN.N	/	/	/	/	/
33	20111036	PRABHAKARAN.S	/	/	/	/	/
34	20111037	PRAVEENA.S	/	/	/	/	/
35	20111038	PRAVEENRAJ.E	/	/	/	/	/

36	20111039	RAHUL.P	/	/	/	/	/
37	20111040	RAVINDHAR.V	a	a	a	a	a
38	20111041	RITHICK.S	/	/	/	/	/
39	20111042	SANJAYKUMAR.B	/	/	/	/	/
40	20111043	SANJAY KUMAR.S	/	/	/	/	/
41	20111044	SANJAY.V	/	/	/	/	/
42	20111046	SARAVANA KUMAR.U	/	/	/	/	/
43	20111047	SATHEES KUMAR.M	/	/	/	/	/
44	20111048	SATHISH.B	/	/	/	/	/
45	20111049	SELVARASU.S	/	/	/	/	/
46	20111050	SHAJAN.M	/	/	/	/	/
47	20111051	SHANMUGAM.V	/	/	/	/	/
48	20111052	SIVARAMAKRISHNAN.D	/	/	/	/	/
49	20111053	SOWMYA.V.M	/	/	/	/	/
50	20111054	SREETHER.R	/	/	/	/	/
51	20111055	SUCHIMITHA.D	/	/	/	/	/
52	20111056	SUDHARSAN.K	/	/	/	/	/
53	20111057	SURESH.S	a	a	a	a	a
54	20111058	SURYAPRAKASH.S	/	/	/	/	/
55	20111059	THIRUPATHI.R	/	/	/	/	/
56	20111060	VENKATESWARAN.G	/	/	/	/	/
57	20111061	VIGNESH.K	/	/	/	/	/
58	20111062	YASHIKA.C	a	/	/	a	/
59	20111063	YOGARISHA.M	/	/	/	/	/
60	20111301	MOHAMMED SIDDIQ. R	a	a	/	/	/
61	20111302	SARAN KUMAR.R	/	/	/	/	/

Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Cyber Security

CERTIFICATE

This is to certify that

SREETHER.R

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course “SECURITY PATTERNS”. The duration of the course is 30 hours.

(19/09/22 to 23/09/22)

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Cyber Security

CERTIFICATE

This is to certify that

KAPILSURYA.R

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course “SECURITY PATTERNS”. The duration of the course is 30 hours (19/09/22 to 23/09/22)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Cyber Security

CERTIFICATE

This is to certify that

MANOJ.K

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course “SECURITY PATTERNS”. The duration of the course is 30 hours (19/09/22 to 23/09/22)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Cyber Security

CERTIFICATE

This is to certify that

HARIHARAN.S.B

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course “SECURITY PATTERNS”. The duration of the course is 30 hours (19/09/22 to 23/09/22)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Cyber Security

CERTIFICATE

This is to certify that

DHINESH.M

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course “SECURITY PATTERNS”. The duration of the course is 30 hours (19/09/22 to 23/09/22)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL - 637 018

DEPARTMENT OF CYBER SECURITY

DATE: 17.03.2023

CIRCULAR

It is planned to conduct Five Days Value Added Course on "SECURITY AND PRIVACY IN ONLINE SOCIAL NETWORKS" for Sixth semester students from 27.03.23 to 31.03.23.The interested students are asked to enroll their names to the course coordinator S. Manivel, AP/CYS on or before 26.03.23.

Course Coordinators: S. MANIVEL, AP/CYS

HOD/CYS

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PAAVAI ENGIEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

Value Added Course

ON

20CYVC601- SECURITY AND PRIVACY IN ONLINE SOCIAL NETWORKS

ABOUT THE COURSE:

With increase in the usage of the Internet, there has been an exponential increase in the use of online social media and networks on the Internet. Websites like Facebook, YouTube, LinkedIn, Twitter, Flickr, Instagram, Google+, Four Square, Pinterest, Tinder, and the likes have changed the way the Internet is being used. However, widely used, there is a lack of understanding of privacy and security issues on online social media. Privacy and security of online social media need to be investigated, studied and characterized from various perspectives (computational, cultural, psychological, etc.)..

INTENDED AUDIENCE:

- III Year of B.E. B. Tech – Students
- Students able to apply a various privacy techniques and security concerns (spam, phishing, fraud nodes, identity theft) on Online Social Media.

Date: 27.03.23 to 31.03.23

Venue: Class Room No 319

Course Coordinator:

S. Manivel, AP/CYS

PAAVAI ENGIEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

SECURITY AND PRIVACY IN ONLINE SOCIAL NETWORKS

20CYVC601

COURSE OBJECTIVES

To enable the students to

- understand the fundamentals of social media.
- collect social media data as a developer.
- learn challenges in social media related to privacy and security.

Module 1 - Introduction to Social Media

Social Media - Introduction; Social Media - User vs Developer's Perspective, Data Collection APIs. Social Media Content Analysis.

Module 2 - Security Issues in Social Media

Overview: Review of Machine Learning; Identity Theft - Profile Cloning, Social Phishing; Fake, Compromised, Sybil accounts and their behavior; Spamming; Rumour or Misinformation; Cyberbullying; Collective Misbehaviors.

Module 3 - Social Media Case Studies

Facebook, Twitter, Instagram, YouTube, LinkedIn, StackOverflow, GitHub, Quora, SnapChat.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- understand security and privacy challenges in any social media platform.
- develop automated systems to solve security and privacy problems.
- acquire knowledge about social medias.

TEXT BOOKS

1. Zafarani, Reza, Mohammad Ali Abbasi, and Huan Liu. Social media mining: an introduction. Cambridge University Press, 2014.

REFERENCES

1. Bonzanini Marco. Mastering Social Media Mining. Packt Publishing, 2016.

PAAVAI ENGIEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III/VI

Name of the Course: 20CYVC601- SECURITY AND PRIVACY IN ONLINE SOCIAL NETWORKS

S. No	Register Number	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
1	20111001	ABILASH.M	/	/	/	/	/
2	20111002	ADHITHYA G KRISHNA	/	/	/	/	/
3	20111003	ADHITHYA.T	/	/	/	/	/
4	20111005	AKCHAYA.B	/	/	/	/	/
5	20111006	ANISTO MEJIN.A	/	/	/	/	/
6	20111008	BARATHINIKESHAN.S	/	/	/	/	/
7	20111009	BEN GARRY	/	/	/	/	/
8	20111010	BHARATH KUMAR.G	/	/	/	/	/
9	20111011	DHARNESH.L	/	/	/	/	/
10	20111012	DHARSHINI.S.R	/	/	/	/	/
11	20111013	DHINESH.M	a	a	a	a	a
12	20111014	GOPIKRISHNAN.S	/	/	/	/	/
13	20111015	HARIDHARAN.A	/	/	/	/	/
14	20111016	HARIHARAN.R	/	/	/	/	/
15	20111017	HARIHARAN.S.B	/	/	/	/	/
16	20111018	HARIHARAN.S.B	/	/	/	/	/
17	20111020	HARISH JAYARAJ.B	/	/	/	/	/
18	20111021	JEYASENAADHI.J	/	/	/	a	a
19	20111022	KABILAN.S	/	/	/	/	/
20	20111023	KAPILSURYA.R	/	/	/	/	/
21	20111024	KAVIYARAJ.S.S	/	/	/	/	/
22	20111025	KAVIYARASU.G	/	/	/	/	a
23	20111026	KIRUTHIKA.Y	/	/	/	/	/
24	20111027	KOWSHIK.E	/	/	/	/	/
25	20111028	KUBENDIRAN.E	/	/	/	/	/
26	20111029	MANIKANDAN.N	/	/	/	/	/
27	20111030	MANOJ.K	/	/	/	/	/
28	20111031	MOHAMMED AZARUDEEN.N	/	/	/	a	a
29	20111032	MOHANRAJ.M	/	/	/	a	/
30	20111033	MONISHKANNA.R	/	/	/	/	/
31	20111034	MUKESH.M	/	/	/	/	/
32	20111035	PARAMANANTHAN.N	a	a	a	a	a

33	20111036	PRABHAKARAN.S	/	/	/	/	/
34	20111037	PRAVEENA.S	/	/	/	/	/
35	20111038	PRAVEENRAJ.E	/	/	/	/	/
36	20111039	RAHUL.P	/	/	/	/	/
37	20111040	RAVINDHAR.V	/	/	/	/	/
38	20111041	RITHICK.S	/	/	/	/	/
39	20111042	SANJAYKUMAR.B	/	/	/	/	/
40	20111043	SANJAY KUMAR.S	/	/	/	/	/
41	20111044	SANJAY.V	/	/	/	/	/
42	20111046	SARAVANA KUMAR.U	/	/	/	/	/
43	20111047	SATHEES KUMAR.M	/	/	/	/	/
44	20111048	SATHISH.B	/	/	/	/	/
45	20111049	SELVARASU.S	/	/	/	/	/
46	20111050	SHAJAN.M	/	/	/	/	/
47	20111051	SHANMUGAM.V	/	/	/	/	/
48	20111052	SIVARAMAKRISHNAN.D	/	/	/	/	/
49	20111053	SOWMYA.V.M	/	/	/	/	/
50	20111054	SREETHER.R	/	/	/	/	/
51	20111055	SUCHIMITHA.D	/	/	/	/	/
52	20111056	SUDHARSAN.K	/	/	/	/	/
53	20111057	SURESH.S	/	/	/	/	/
54	20111058	SURYAPRAKASH.S	/	/	/	/	/
55	20111059	THIRUPATHI.R	/	/	/	/	/
56	20111060	VENKATESWARAN.G	/	/	/	/	/
57	20111061	VIGNESH.K	/	/	/	/	/
58	20111062	YASHIKA.C	/	/	/	/	/
59	20111063	YOGARISHA.M	/	/	/	/	/
60	20111301	MOHAMMED SIDDIQ. R	/	/	/	/	/
61	20111302	SARAN KUMAR.R	/	/	/	/	/

S. Manik

Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Cyber Security

CERTIFICATE

This is to certify that

SARAN KUMAR.R

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course “SECURITY AND PRIVACY IN ONLINE SOCIAL NETWORKS”.

The duration of the course is 30 hours. (19/09/22 to 23/09/22)

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Cyber Security

CERTIFICATE

This is to certify that

SURYAPRAKASH.S

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course “SECURITY AND PRIVACY IN ONLINE SOCIAL NETWORKS”.

The duration of the course is 30 hours. (19/09/22 to 23/09/22)

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Cyber Security

CERTIFICATE

This is to certify that

SOWMYA.V.M

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course “SECURITY AND PRIVACY IN ONLINE SOCIAL NETWORKS”.

The duration of the course is 30 hours. (19/09/22 to 23/09/22)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Cyber Security

CERTIFICATE

This is to certify that

RAHUL.P

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course “SECURITY AND PRIVACY IN ONLINE SOCIAL NETWORKS”.

The duration of the course is 30 hours. (19/09/22 to 23/09/22)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Cyber Security

CERTIFICATE

This is to certify that

KUBENDIRAN.E

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course “SECURITY AND PRIVACY IN ONLINE SOCIAL NETWORKS”.

The duration of the course is 30 hours. (27/03/23 to 31/03/23)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NAMAKKAL – 637 018

Affiliated to Anna University Chennai and Approved by AICTE, New Delhi.

Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 12.09.2022

CIRCULAR

It is planned to conduct Five days Value added course on "MODERN ELECTRONIC INSTRUMENTATION" for Third semester Students from 19.09.2022 to 24.09.2022. The interested students are asked to enroll their names to course coordinator Mrs. S.USHA Assistant Professor/ECE on or before 17.09.2022. (Spot registration can also be permitted).

Course Co-ordinator:

Mrs S.USHA

Copt to:

Notice Board

HOD / ECE

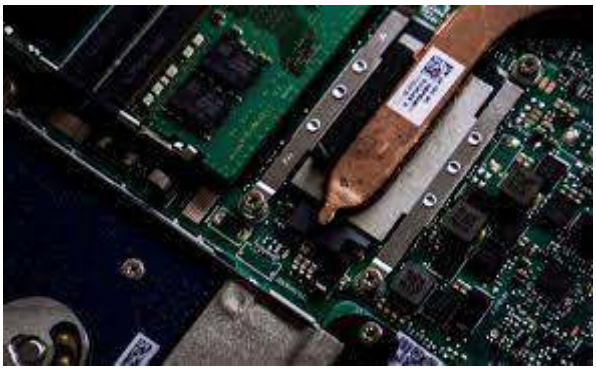
PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

MODERN ELECTRONIC INSTRUMENTATION



Date: 19.09.2022 to 24.09.2022

Course Incharge : Mrs. S.USHA Assistant Professor/ECE

22ECVC301 MODERN ELECTRONIC INSTRUMENTATION

UNIT I ELECTRONIC INSTRUMENTS **15**

Electronic Voltmeter and their advantages – Types, Differential amplifier, source follower, rectifier – Truerms reading voltmeter – Electronic multimeter and ohmmeter – Current measurement – Power measurement – Microprocessor based DMM with auto ranging and self diagnostic features- General purpose cathode ray oscilloscope – Dual trace, dual beam and sampling oscilloscopes– Analog and digital storage oscilloscope

UNIT II WAVEFORM GENERATORS **15**

Wien's bridge and phase shift oscillators – Hartley and crystal oscillators – Square wave and pulse generators – Triangular wave-shape generator – Signal and function generators – Q meter – Electronic Counters- frequency selective and heterodyne wave analyzer – Harmonic distortion analyzer – Spectrum analyzer

TOTAL PERIODS 30

REFERENCES

https://www.tutorialspoint.com/electronic_measuring_instruments/measuring_instruments.html

https://www.tutorialspoint.com/electronic_measuring_instruments/measuring_instruments.html

HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
VH-7 PACHAL (Po) Namakkal - 637 018

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
22ECVC301 MODERN ELECTRONIC INSTRUMENTATION
ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	19.9.2022	20.9.2022	21.9.2022	22.9.2022	23.9.2022	24.9.2022
1	622121105001	AAKASH.K						
2	622121105002	AASHA.P						
3	622121105003	ABDUL MUNAP.S						
4	622121105004	ABINAYA.C						
5	622121105005	ABINESH.S						
6	622121105006	ABISHEK.S						
7	622121105008	AKASH.R						
8	622121105009	ARIHARAN.R						
9	622121105010	ARUN KUMAR.R						
10	622121105011	BALAKRISHNAN.V						
11	622121105012	BALASUBRAMANIYAM.S						
12	622121105013	BHUVANESHWARI.M						
13	622121105015	CHANDALINI.N.S						
14	622121105016	DEEPAKRAJ.R.V						
15	622121105017	DEVASHREE.M						
16	622121105018	DHARANIDHARAN.V						
17	622121105019	DHARUN ADHITYA SANKAR.S						
18	622121105020	DHINESH.R						
19	622121105021	DHINESHKUMAR.G						
20	622121105022	DINESH.G						
21	622121105023	GIRI.N						
22	622121105024	GOKILA.S						
23	622121105025	GUNA.K						
24	622121105026	HARI PRAKASH.H.R						
25	622121105027	HARIPRASATH.K						
26	622121105028	ILAIYARAJA.R						
27	622121105029	ISHWA.C.M						
28	622121105030	JAGAN.D						
29	622121105031	JAGAN.V						
30	622121105032	JANAKAN.R						
31	622121105033	JAYASURIYA.T						
32	622121105034	JEYARAJ.R						
33	622121105035	KALAIYARASAN.K						
34	622121105036	KAMALESH.T						
35	622121105037	KATHIRVEL.K						
36	622121105038	KAVIN.V						
37	622121105039	KAVINKUMAR.D						
38	622121105040	KAVIYA.K						
39	622121105041	KAYALVARSHINI.D						
40	622121105042	KEERTHIK.K						
41	622121105043	KISHANKUMAR.N						
42	622121105044	KISHORE KUMAR.D						
43	622121105045	KISHORE.S						
44	622121105046	KUNGUMA MOHAN.K						

45	622121105047	LALITH KUMAR.R						
46	622121105048	LATHIKA.D						
47	622121105049	LOGUL.R						
48	622121105050	LOKESH.M						
49	622121105051	LOKESH.R						
50	622121105052	LOSHIKA.K.S						
51	622121105053	MABEL VERONICA.S						
52	622121105054	MAHALAKSHMI.M						
53	622121105055	MAHALAKSHMI.R						
54	622121105056	MANIKANDAN.M		a	a	a	a	a
55	622121105057	MATHANKUMAR.N						
56	622121105058	MITHUN.D	a			a	a	a
57	622121105059	MOHAMMED THALHA.A						
58	622121105060	MOHANA SRI.S						
59	622121105061	MOHANA.K						
60	622121105062	MONISH.B		a	a	a	a	a
61	622121105063	MOUNEESWARAN.A.I						
62	622121105064	MUKESH.P						
63	622121105065	NARENDRAN.V						
64	622121105066	NARMADHADEVI.A						
65	622121105067	NAVEEN.P						
66	622121105068	NAVEENA.R						
67	622121105069	NAVEENKUMAAR.B						
68	622121105070	NIRANJAN.M						
69	622121105071	NISHA.M						
70	622121105072	NISHANTH.M						
71	622121105073	NITHISHKUMAR.S						
72	622121105074	PALANI BHARATHI.S						
73	622121105075	PAVANKALYAN.G						
74	622121105076	PREETHI.V G						
75	622121105077	PREMNATH.S						
76	622121105078	PRIYADHARSHINI.P						
77	622121105079	PRIYANKA.S						
78	622121105080	PUJA MAHARANA.L						
79	622121105081	RAJADURAI.N						
80	622121105082	RAJESH.V		a	a	a	a	a
81	622121105083	RAJESHKANNAN.K						
82	622121105084	RAJGOWTHAM.S						
83	622121105085	RAMPRASAD.M						
84	622121105086	RANJITH KUMAR.S						
85	622121105087	RATHIKA.N						
86	622121105088	RIYASAN.A						
87	622121105089	SAAI VISHVAA .A .K						
88	622121105090	SABARINATH.R						
89	622121105091	SABARINATHAN.L						
90	622121105092	SAKTHI.K						
91	622121105093	SAKTHI.R						
92	622121105094	SAKTHIVEL.P						
93	622121105095	SANJAY.G						
94	622121105096	SANTHOSH.K						
95	622121105097	SANTHOSHKUMAR.M						
96	622121105098	SARAN.R		a	a	a	a	a
97	622121105099	SATHISH.S						

98	622121105100	SATHISHKUMAR.C						
99	622121105101	SELVAARASU.S						
100	622121105102	SHAM SUNDAR.S		a	a	a	a	
101	622121105103	SHAMEEM AKTHAR.M						
102	622121105104	SIVA MATHESH.S						
103	622121105105	SIVA.S						
104	622121105106	SIVANESHWARAN.M						
105	622121105107	SRI SABARI.S						
106	622121105108	SRIJEYAN.S						
107	622121105110	SRINATH.S						
108	622121105111	SRITHAR.S						
109	622121105112	SURESHRAJ.T						
110	622121105113	SWETHA.S						
111	622121105114	TAMILARASAN.R						
112	622121105115	TAMILMANI.T						
113	622121105116	TAMILSELVAN.A						
114	622121105117	TAMILVANAN.K		a	a	a	a	a
115	622121105118	THIRISHA.K						
116	622121105119	USHANANDHINI.D						
117	622121105120	VARSHINI.P						
118	622121105121	VASANTH.J						
119	622121105122	VASANTH.S						
120	622121105123	VIGNESH.R						
121	622121105124	VISHNUPRIYAN.M	a					
122	622121105125	YOGA NARAYANAN.K.A					a	
123	622121105126	YOGASHREE.P						
124	622121105301	MANIKANDAN M						
125	622121105302	RAJKUMAR B		a				
126	622121105303	SARATHY.K						
127	622121105304	SHANTHOSH B J						
128	622121105305	SHARATH P		a				

Mrs S.USHA
Assistant Professor/ECE

Dr. M. SUDHA, M.E., MBA., Ph.D.
HEAD OF THE DEPARTMENT
ELECTRONICS AND COMMUNICATION ENGINEERING
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NH-44, PACHAL (PO), NAMAKKAL-637 018.

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

SURESHRAJ Y

This is to certify that He/She has successfully completed the "**Modern Electronic Instrumentation**" course from **September 19, 2022 to September 24, 2022**. demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

VASANTH J

This is to certify that He/She has successfully completed the "**Modern Electronic Instrumentation**" course from **September 19, 2022 to September 24, 2022**, demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

RAJKUMAR S

This is to certify that He/She has successfully completed the "**Modern Electronic Instrumentation**" course from **September 19, 2022 to September 24, 2022**, demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

KALAIYARASAN K

This is to certify that He/She has successfully completed the "**Modern Electronic Instrumentation**" course from **September 19, 2022 to September 24, 2022**, demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

GIRI N

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COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NAMAKKAL – 637 018

Affiliated to Anna University Chennai and Approved by AICTE, New Delhi.

Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 12.09.2022

CIRCULAR

It is planned to conduct Five days Value added course on "ELECTRONIC HARDWARE AND TROUBLESHOOTING" for Third semester Students from 19.09.2022 to 24.09.2022. The interested students are asked to enroll their names to course coordinator Dr. S. VIJAYAKUMAR Professor/ECE on or before 17.09.2022. (Spot registration can also be permitted).

Course Co-ordinator:

Dr. S.VIJAYAKUMAR

HOD / ECE

Copt to:

Notice Board

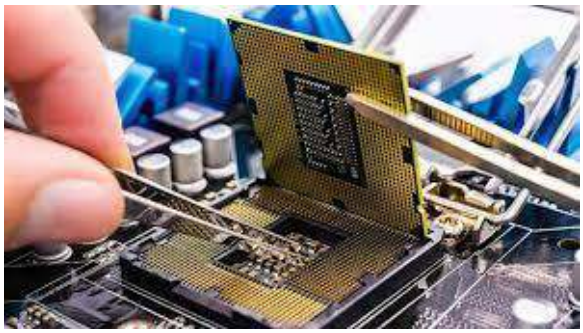
PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

ELECTRONIC HARDWARE AND TROUBLESHOOTING



Date: 19.09.2022 to 24.09.2022.

Course Incharge : Dr. S. VIJAYAKUMAR Professor/ECE

22ECVC501 ELECTRONIC HARDWARE AND TROUBLESHOOTING

UNIT I HARDWARE DEVICES **15**

Storage devices. Primary and secondary storage medium-magnetic disc, RAM, ROM ,PROM,EPROM, Floppy, CD Rom, CDRW, DVD, Virtual memory, Cache memory, Linear & Physical memory, video memory.

UNIT II HARDWARE TROUBLE SHOOTING **15**

Hardware Trouble Shooting: Printers, floppy drive, Microphone, Scanner, Network, Hardware failure, Testing, CMOS, CDROM, Hard disk drive

TOTAL PERIODS 30

REFERENCES

1. https://medium.com/@hansanameththani/computer-storage-devices-48cdcf135874
2. https://www.studocu.com/in/u/31279656?sid=01708585715

HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL, Pal Namakkal-637 018

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
22ECVAC501 ELECTRONIC HARDWARE AND TROUBLESHOOTING
ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	19.9.2022	20.9.2022	21.9.2022	22.9.2022	23.9.2022	24.9.2022
1	20105001	ADHILABANU A	/	/	/	/	/	/
2	20105002	AKASHKRISHNA P	/	/	/	/	/	/
3	20105003	ANAND R	/	OD	/	/	/	/
4	20105004	ANBARASU N	/	/	/	/	/	/
5	20105005	H.ANBUKKARASAN	/	/	/	/	/	/
6	20105006	ANNAMALAI.G	/	/	/	/	/	/
7	20105007	R. ARUL JOTHI	/	/	/	/	/	/
8	20105008	ASHMEERHAAN.R	/	/	/	/	/	/
9	20105009	AVANTHIKA K	/	/	/	/	/	/
10	20105010	AVULA ANJANEYA YADAV	/	/	/	/	/	/
11	20105011	S. BARANIDHARAN	/	/	/	/	/	/
12	20105012	B.CHANDRU	/	/	/	/	/	/
13	20105013	J.DANIEL	/	/	/	/	/	/
14	20105014	DAVA PAVAN SAI SRINIVAS	/	/	/	/	/	/
15	20105015	B.DHARANI	/	/	/	/	/	/
16	20105016	DINESHKUMAR.M	/	/	/	/	/	/
17	20105017	ESWARN S	/	/	/	/	/	/
18	20105018	GOVARDHINI.M	/	/	/	/	/	/
19	20105019	GOWTHAM K	/	/	/	/	/	/
20	20105020	HARIKRISHNAN K	/	/	/	/	/	/
21	20105021	HARISH.G	/	/	/	/	/	/
22	20105022	HEMASREE .L	/	/	/	OD	/	/
23	20105023	JANANI M	/	/	/	/	/	/
24	20105024	JANATHIV.R	/	/	/	/	/	/
25	20105026	KAMALRAJ M	/	/	/	/	/	/
26	20105027	KANNAN.G	/	/	/	/	/	/
27	20105028	KARTHIKEYAN.S	/	/	/	/	/	/
28	20105029	LIVINKUMAR S	/	/	/	/	/	/
29	20105030	MADHAN.S	/	/	/	/	/	/
30	20105031	MAGESHVARAN	/	/	/	/	/	/
31	20105032	MANOKARAN.R	/	/	/	/	/	/
32	20105033	MOHANAPRIYA. T	/	/	/	/	/	/
33	20105034	MONICKA SHREE A	/	/	/	/	/	/
34	20105035	MONIKA.G	/	/	/	/	/	/
35	20105036	MULAKA VISHNU VARDHAN REDDY	/	/	/	/	/	/
36	20105037	R. MUTHU PANDIAN	/	/	/	/	/	/
37	20105038	NARMADHA M	/	/	/	/	/	/
38	20105040	NAVEEN S	/	/	/	/	/	/
39	20105041	NAVEENKUMAR V	/	/	/	/	/	/
40	20105042	NAVISE RENIHA.P	/	/	/	/	/	/
41	20105043	NIRANJAN.S	/	/	/	/	/	/
42	20105044	S.NITHYA BHARATHI	/	/	/	/	/	/
43	20105045	PARAMESWARAN	/	/	/	/	/	/
44	20105046	PATAN SAMDAN BASHA	/	/	/	/	/	/
45	20105047	PEDDAMALA LOKESH	/	/	/	/	/	/
46	20105048	POOVIZHI K	/	/	/	/	/	/
47	20105049	S.PRAGATHI RAY	/	/	/	/ OD	/	/

48	20105050	P.PRASANTHKUMAR	/	/	/	/	/	/
49	20105051	PRAVEEN.K	/	/	/	/	/	/
50	20105052	PRIYADHARSHINI M	/	/	/	/	/	/
51	20105053	S.ROHITH(309)	/	/	/	/	/	/
52	20105054	ROSHAN KUMAR D	/	/	/	/	/	/
53	20105055	SAKTHIVEL.A	/	/	/	/	/	/
54	20105056	SATHYANARAYANAN V	/	/	/	/	/	/
55	20105057	SATHYAPRAKASH.J	/	/	/	/	/	/
56	20105058	SHANMATHI V	/	/	/	/	/	/
57	20105059	SINDHUJA .R	/	/	/	/	/	/
58	20105060	SIRAJUDEEN H	/	/	/	/	/	/
59	20105061	SOMASEKARA.S	/	/	/	/	/	/
60	20105062	S SRIKANTH	/	/	/	/	/	/
61	20105064	TAMILSELVAN. P	/	/	/	/	/	/
62	20105065	VENGADESH	/	/	/	/	/	/
63	20105066	VIKRAM.M	/	/	/	/	/	/
64	20105067	VINOTHKUMAR V	/	/	/	/	/	/
65	20105068	YATHISHWAR JC	/	/	/	/	/	/
66	20105302	NAVEEN CHAKARAVARTHI P	/	/	/	/	/	/
67	20105304	SANTHOSH P	/	/	/	/	/	/
68	20105305	M.THENMOZHI	/	/	a	a	a	a
69	20105501	D.RAGUL KANNAN	/	a	a	a	a	a

faculty in-charge
[Dr. S. Vijayakumar]
professor/ECE

Dr. M. SUDHA, M.E., MBA., Ph.
HEAD OF THE DEPARTMENT
ELECTRONICS AND COMMUNICATION ENGINEERIN
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS
NH-44, PACHAL (PO) NAMAKKAL-637 01

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

Livinkumar S

This is to certify that He/She has successfully completed the "**Electronic Hardware and Troubleshooting**" course from **September 19, 2022 to September 24, 2022**. demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

ANNAMALAI G

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COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

DANIAL J

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COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

KANNAN G

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COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

MOHANAPRIYA T

This is to certify that He/She has successfully completed the "**Electronic Hardware and Troubleshooting**" course from **September 19, 2022 to September 24, 2022**, demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NAMAKKAL – 637 018

Affiliated to Anna University Chennai and Approved by AICTE, New Delhi.

Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 12.09.2022

CIRCULAR

It is planned to conduct Five days Value added course on "BLOCKCHAIN TECHNOLOGIES" for Third semester Students from 19.09.2022 to 24.09.2022. The interested students are asked to enroll their names to course coordinator Dr. R. MOHANAPRIYA Associate Professor/ECE on or before 17.09.2022. (Spot registration can also be permitted).

Course Co-Ordinator:
Dr. R. MOHANAPRIYA

Copt To:

Notice Board

HOD / ECE

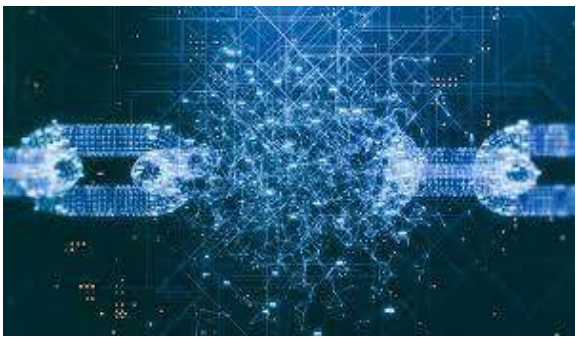
PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

BLOCKCHAIN TECHNOLOGIES



Date: 19.09.2022 to 24.09.2022.

Course Incharge : Dr. R. MOHANAPRIYA Associate Professor/ECE

22ECVC 701 **BLOCKCHAIN TECHNOLOGIES**

UNIT I BASICS OF BLOCKCHAIN 15

Distributed Database, Two General Problem, Byzantine General problem and Fault Tolerance, Hadoop Distributed File System, Distributed Hash Table, ASIC resistance, Turing Complete. Cryptography: Hash function, Digital Signature - ECDSA, Memory Hard Algorithm, Zero Knowledge Proof Advantage over conventional distributed database, Blockchain Network, Mining Mechanism, Distributed Consensus, Chain Policy, Life of Blockchain application, Soft & Hard Fork, Private and Public blockchain.

UNIT II CRYPTOCURRENCY 15

History, Distributed Ledger, Bitcoin protocols - Mining strategy and rewards, Ethereum - Construction, DAO, Smart Contract, GHOST, Vulnerability, Attacks, Sidechain, Namecoin Unit V: Cryptocurrency Regulation: Stakeholders, Roots of Bit coin, Legal Aspects-Crypto currency Exchange, Black Market and Global Economy. Applications: Internet of Things, Medical Record Management System, Domain Name Service and future of Blockchain.

TOTAL PERIODS 30

REFERENCES

- https://builtin.com/blockchain
- https://www.investopedia.com/terms/b/blockchain.asp

HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
VH-7 PACHAL (Po) Namakkal - 637 018

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
22ECVC701 BLOCKCHAIN TECHNOLOGIES
ATTENDANCE SHEET

S.No	REGISTER NUMBER	NAME	19.9.2022	20.9.2022	21.9.2022	22.9.2022	23.9.2022	24.9.2022
1	19105001	K. AISHWARYA	P	P	P	P	P	P
2	19105002	AJAYKUMAR M	P	P	P	P	P	P
3	19105003	ANBARASAN G	P	P	P	P	P	P
4	19105004	M.ANU VARSHITHA	P	P	P	P	P	P
5	19105005	ARAVIND.R	P	P	P	P	P	P
6	19105006	ARAVIND .T	P	P	P	P	P	P
7	19105008	ARUN.E	P	P	P	P	P	P
8	19105009	ATHEEQ UR RAHMAN.F	P	P	P	P	P	P
9	19105010	BHARATH.S	P	P	P	P	P	P
10	19105011	BHARATHIRAJA.R	P	P	A	P	P	P
11	19105013	DEVA DHARSHINI. M	P	P	P	P	P	P
12	19105014	DHARSHINI.K	P	P	P	P	P	P
13	19105015	DHARSHINI.V	P	P	P	P	P	P
14	19105016	DHIVAKARAN.T	P	P	P	P	P	P
15	19105017	DINESH.C	P	P	P	P	P	P
16	19105018	K.DINESH	P	P	P	P	P	P
17	19105019	FAIYAZ BASHA F	P	P	P	P	P	P
18	19105020	GOKULAKANNAN RS	P	P	P	P	P	P
19	19105021	GOKULAKRISHNAN.R	P	P	P	P	P	P
20	19105022	GOPI S	P	P	P	P	P	P
21	19105023	GOPI.S	P	P	P	P	P	P
22	19105024	P GOPINATH	P	P	P	P	P	P
23	19105025	A.GUNAL	P	P	P	P	P	P
24	19105026	HARIPRASANTH.R	P	A	A	A	A	A
25	19105027	HARISANJAI.A	P	P	P	P	P	P
26	19105028	HEMALATHA.M	P	P	P	P	P	P
27	19105029	K.S.HEMAPRIYA	P	P	P	P	P	P
28	19105030	S. INDHUMATHI	P	P	P	P	P	P
29	19105031	JAGADHISHWARAN.S	A	P	P	P	P	P
30	19105032	P. JAGAN	P	P	P	P	P	P
31	19105033	JAYAKUMAR R	P	P	P	P	P	P
32	19105034	JEEVAN PRAKASHR	P	P	P	P	P	P
33	19105035	JEEVITHA.M	P	P	P	P	P	P
34	19105036	KAMALESH.A	P	P	P	P	P	P
35	19105037	KAMALI.S	P	A	A	A	P	A
36	19105038	KANISHKAR.M	P	P	P	P	P	P
37	19105039	KAVIYA.R	P	P	P	P	P	P
38	19105040	K.KAVIYAA	P	P	P	P	P	P
39	19105041	M.KESAVAN	P	P	P	P	P	P
40	19105042	KESAVARTHINI. P	P	P	A	P	P	P
41	19105043	KRISHNAVENI. M	P	P	P	P	P	P
42	19105044	LAKSHAYA.R	P	A	A	A	A	P
43	19105045	LAKSHMI PRABHA S	P	A	A	A	A	P
44	19105046	I.LAVANYA	P	P	P	P	P	P
45	19105047	LAVANYA.P	P	P	P	P	P	P

46	19105048	LAVANYA R						
47	19105049	J.LINGESWARAN						
48	19105052	MARUDHAPANDY V						
49	19105053	MEIGNANA MOORTHY.P						
50	19105054	MOHAMMED SAMEER.M						
51	19105055	MUKILAN R						
52	19105056	MUTHU KUMARA VEL						
53	19105057	NAGAMANI.D						
54	19105058	NARENDRA PRASATH.R						
55	19105059	NARMATHA.R						
56	19105060	NARUBOINA CHARAN SAI						
57	19105061	NAVEEN KUMAR.J						
58	19105062	NAVEEN.R						
59	19105063	NAVEENA.V.K						
60	19105064	NIRMALA.N						
61	19105065	M.NITHISH						
62	19105066	OMNATH BALAJI.E						
63	19105067	B. PADMESH						
64	19105068	PARTHASARATHI. S			a			
65	19105069	PARTHIBAN.P						
66	19105070	PAVAN KUMAR KOKANTI						
67	19105073	PRASANTH.D						
68	19105074	PRASANTH.R						
69	19105075	PRASATH S						
70	19105076	PRINITHA. A						
71	19105077	K.PRITHIVIRAJ						
72	19105078	PRIYADHARSHINI S						
73	19105080	RAGUL.B						
74	19105081	RAGUL.R						
75	19105082	RAGUL.T						
76	19105083	RAJAGANAPATHI						
77	19105084	R.RAJARAJAN						
78	19105085	V RANJANI						
79	19105086	SAKTHI.S						
80	19105087	SANJAY A		a	a	a	a	
81	19105088	SANJAY.M						
82	19105089	SANTHOSHKUMAR V						
83	19105090	A.SARANYA						
84	19105092	SATHIS KUMAR R						
85	19105093	SHEELA JENEFER. A						
86	19105094	SIVA DHARSHINI . S						
87	19105095	SIVAGANESH.M						
88	19105097	SIVAKUMAR.M				a		
89	19105098	V.SIVASAKTHI						
90	19105099	M.SMITHA						
91	19105100	SNEGA.S						
92	19105101	SOBANA.S						
93	19105102	K.SOWMIYA						
94	19105103	SRETHARSSENE S						
95	19105104	SRI KRISHNAN. K		a	a	a		a
96	19105105	SRINITHI GAYATHRI S						
97	19105106	S.SRI VIKNESH						
98	19105107	SRIVISHNU.I						

99	19105108	E.SUNDARESAN						
100	19105109	SURENDHAR.B						
101	19105110	SURENDARA KUMAR.S						
102	19105111	SWATHIGA. G. V						
103	19105114	THAMBU GANESH		A				
104	19105115	THARANI.K						
105	19105116	THARUNKUMAR. R						
106	19105117	THEPANRAJ.R						
107	19105118	UDHAYANITHI.E						
108	19105119	VENKATESH.G.S						
109	19105120	VIGNESH M						
110	19105121	VINISHA. S						
111	19105301	ADHISHA.A		A				
112	19105302	MADHAAVAN P.S						A
113	622122303003	RIZWANABEGAM H						
114	622122303004	SUJITHA A						
115	622122303005	YUVASHRI M						
116	622121303002	SAMYUKTHA V						
117	622121303003	TAMILARASI K						

Dr.MOHANA PRIYA R
Associate Professor/ECE

Dr. M. SUDHA, M.E., MBA., Ph.
HEAD OF THE DEPARTMENT
ELECTRONICS AND COMMUNICATION ENGINEERI
PAAVAI ENGINEERING COLLEGE (AUTONOMOU
NH-44, PACHAL (PO) NAMAKKAL-637

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

AISHWARYA K

This is to certify that He/She has successfully completed the "**Blockchain Technologies**" course from **September 19, 2022 to September 24, 2022**, demonstrating proficiency in advanced database mechanism.

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

ARUN E

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HOD

PRINCIPAL

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(AUTONOMOUS)

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Department Of Electronics and Communication Engineering

CERTIFICATE

DINESH C

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COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

SNEGA S

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COURSE COORDINATOR

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PRINCIPAL

PAAVAI ENGINEERING COLLEGE

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Department Of Electronics and Communication Engineering

CERTIFICATE

ADHISHA A

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COURSE COORDINATOR

HOD

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 21.11.2022

CIRCULAR

It is planned to conduct Five days Value added course on "PCB DESIGNING" for Third semester Students from 28.11..2022 to 02.12.2022. The interested students are asked to enroll their names to course coordinator Mr. M. VIJAY MURUGAN Associate Professor/ECE on or before 26.11.2022. (Spot registration can also be permitted).

Course Co-ordinator:

Mr. M. VIJAY MURUGAN

Copt to:

Notice Board

HOD / ECE

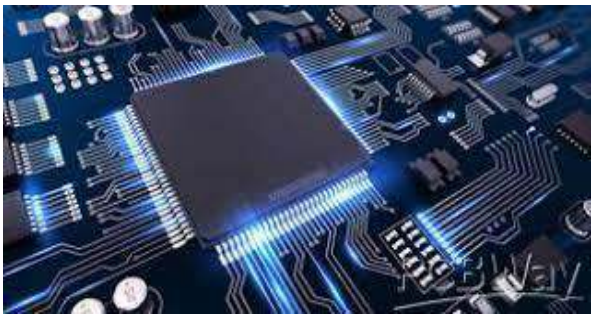
PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

PCB DESIGNING



Date: 28.11..2022 to 02.12.2022.

Course Incharge : Mr. M. VIJAY MURUGAN Associate Professor/ECE

22ECVAC401 **PCB DESIGNING**

UNIT I INTRODUCTION **15**

Need for PCB, Types of PCBs : Single and Multilayer, Technology: Plated Through Hole, Surface Mount, PCB Material, Electronic Component packaging, PCB Designing, Fabrication, Production, Electronic Design Automation Tools: Proprietary tools like Eagle, Ultiboard, Orcad and Opensource tools like KiCad, Design Issues: Transmission line, Cross talk and Thermal management

UNIT II PCB DESIGN **15**

Introduction to KiCad, Schematic entry / drawing, netlisting, layering, component foot print library selection & designing, design rules, component placing: Manual & automatic, track routing: automatic & manual, rules: track length, angle, joint & size, Autorouter setup. IPC standards for schematic, designing, material and documentation

TOTAL PERIODS 30

REFERENCES

- https://www.build-electronic-circuits.com/pcb-design/
- PCB Fabrication at home(video): https://www.youtube.com/watch?v=mv7Y0A9YeUc, https://www.youtube.com/watch?v=imQTCW1yWkg

HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL (Po), Namakkal - 637 018

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
22ECVC401 PCB DESIGNING
ATTENDANCE SHEET

S.No	REGISTER NUMBER	NAME	28/11/22	29/11/22	30/11/22	1/12/22	2/12/22
1	622121105001	AAKASH.K	/	/	/	/	/
2	622121105002	AASHA.P	/	/	/	/	/
3	622121105003	ABDUL MUNAP.S	/	/	/	/	/
4	622121105004	ABINAYA.C	/	/	/	/	/
5	622121105005	ABINESH.S	/	/	/	/	/
6	622121105006	ABISHEK.S	/	/	/	/	/
7	622121105008	AKASH.R	/	/	/	/	/
8	622121105009	ARIHARAN.R	/	/	~	/	/
9	622121105010	ARUN KUMAR.R	/	/	/	/	/
10	622121105011	BALAKRISHNAN.V	/	/	/	/	/
11	622121105012	BALASUBRAMANIYAM.S	/	/	/	/	/
12	622121105013	BHUVANESHWARI.M	/	/	/	/	/
13	622121105015	CHANDALINI.N.S	/	/	/	/	/
14	622121105016	DEEPAKRAJ.R.V	/	/	/	/	/
15	622121105017	DEVASHREE.M	/	/	/	/	~
16	622121105018	DHARANIDHARAN.V	/	/	/	/	/
17	622121105019	DHARUN ADHITYA SANKAR.S	/	/	/	/	/
18	622121105020	DHINESH.R	/	/	/	/	/
19	622121105021	DHINESHKUMAR.G	/	/	/	/	/
20	622121105022	DINESH.G	/	/	/	/	/
21	622121105023	GIRI.N	/	/	/	/	/
22	622121105024	GOKILA.S	/	/	/	/	/
23	622121105025	GUNA.K	/	/	/	/	/
24	622121105026	HARI PRAKASH.H.R	/	/	/	/	/
25	622121105027	HARIPRASATH.K	/	/	/	/	/
26	622121105028	ILAIYARAJA.R	/	/	/	/	/
27	622121105029	ISHWA.C.M	/	/	/	/	/
28	622121105030	JAGAN.D	/	/	/	/	/
29	622121105031	JAGAN.V	/	/	/	/	/
30	622121105032	JANAKAN.R	/	/	a	/	/
31	622121105033	JAYASURIYA.T	/	/	/	/	/
32	622121105034	JEYARAJ.R	/	/	/	/	/
33	622121105035	KALAIYARASAN.K	/	/	/	/	/
34	622121105036	KAMALESH.T	/	/	/	/	/
35	622121105037	KATHIRVEL.K	/	/	/	/	/
36	622121105038	KAVIN.V	/	/	/	/	/
37	622121105039	KAVINKUMAR.D	/	/	/	/	/
38	622121105040	KAVIYA.K	/	a	a	/	/
39	622121105041	KAYALVARSHINI.D	/	/	/	/	/
40	622121105042	KEERTHIK.K	/	/	/	/	/
41	622121105043	KISHANKUMAR.N	/	/	/	/	/
42	622121105044	KISHORE KUMAR.D	/	/	/	/	/
43	622121105045	KISHORE.S	/	/	/	/	/
44	622121105046	KUNGUMA MOHAN.K	/	/	/	/	/

45	622121105047	LALITH KUMAR.R					
46	622121105048	LATHIKA.D					
47	622121105049	LOGUL.R					
48	622121105050	LOKESH.M					
49	622121105051	LOKESH.R					
50	622121105052	LOSHIKA.K.S					
51	622121105053	MABEL VERONICA.S					
52	622121105054	MAHALAKSHMI.M					
53	622121105055	MAHALAKSHMI.R					
54	622121105056	MANIKANDAN.M					
55	622121105057	MATHANKUMAR.N			A		
56	622121105058	MITHUN.D					
57	622121105059	MOHAMMED THALHA.A					
58	622121105061	MOHANA.K					
59	622121105062	MONISH.B					
60	622121105063	MOUNEESWARAN.A.I					
61	622121105064	MUKESH.P	A				
62	622121105065	NARENDRAN.V					
63	622121105066	NARMADHADEVI.A					
64	622121105067	NAVEEN.P					
65	622121105068	NAVEENA.R					
66	622121105069	NAVEENKUMAAR.B					
67	622121105070	NIRANJAN.M					
68	622121105071	NISHA.M					
69	622121105072	NISHANTH.M					
70	622121105073	NITHISHKUMAR.S			A		
71	622121105074	PALANI BHARATHI.S					
72	622121105075	PAVANKALYAN.G					
73	622121105076	PREETHI.V G					
74	622121105077	PREMNATH.S					
75	622121105078	PRIYADHARSHINI.P					
76	622121105079	PRIYANKA.S					
77	622121105080	PUJA MAHARANA.L					
78	622121105081	RAJADURAI.N				A	
79	622121105082	RAJESH.V					
80	622121105083	RAJESHKANNAN.K					
81	622121105084	RAJGOWTHAM.S					
82	622121105085	RAMPRASAD.M					
83	622121105086	RANJITH KUMAR.S					
84	622121105087	RATHIKA.N					
85	622121105088	RIYASAN.A					
86	622121105089	SAAI VISHVAA .A .K					
87	622121105090	SABARINATH.R					
88	622121105091	SABARINATHAN.L					
89	622121105092	SAKTHI.K					
90	622121105093	SAKTHI.R					
91	622121105094	SAKTHIVEL.P					
92	622121105095	SANJAY.G					
93	622121105096	SANTHOSH.K					
94	622121105097	SANTHOSHKUMAR.M					

95	622121105098	SARAN.R	/	a	a	/	/
96	622121105099	SATHISH.S	/	/	/	/	/
97	622121105100	SATHISHKUMAR.C	/	/	/	/	/
98	622121105101	SELVAARASU.S	/	/	/	/	/
99	622121105102	SHAM SUNDAR.S	/	/	/	/	/
100	622121105103	SHAMEEM AKTHAR.M	a	a	a	a	/
101	622121105104	SIVA MATHESH.S	/	/	/	/	/
102	622121105105	SIVA.S	/	/	/	/	/
103	622121105106	SIVANESHWARAN.M	/	/	/	/	/
104	622121105107	SRI SABARI.S	/	/	/	/	/
105	622121105108	SRIJEYAN.S	/	/	/	/	/
106	622121105110	SRINATH.S	/	/	/	/	/
107	622121105111	SRITHAR.S	/	/	/	/	/
108	622121105112	SURESHRAJ.T	/	/	/	/	/
109	622121105113	SWETHA.S	/	/	/	/	/
110	622121105114	TAMILARASAN.R	/	/	/	/	/
111	622121105115	TAMILMANI.T	/	/	/	/	/
112	622121105116	TAMILSELVAN.A	/	/	/	/	/
113	622121105117	TAMILVANAN.K	/	/	/	/	/
114	622121105118	THIRISHA.K	/	a	/	/	/
115	622121105119	USHANANDHINI.D	/	/	/	/	/
116	622121105120	VARSHINI.P	/	/	/	/	/
117	622121105121	VASANTH.J	/	/	/	/	/
118	622121105122	VASANTH.S	/	/	/	/	/
119	622121105123	VIGNESH.R	/	/	/	/	/
120	622121105124	VISHNUPRIYAN.M	/	/	/	/	/
121	622121105125	YOGA NARAYANAN.K.A	/	/	/	/	/
122	622121105126	YOGASHREE.P	a	/	/	/	/
123	622121105301	MANIKANDAN M	/	/	/	/	/
124	622121105302	RAJKUMAR B	/	/	/	/	/
125	622121105303	SARATHY.K	/	/	/	/	/
126	622121105304	SHANTHOSH B J	/	/	/	/	/
127	622121105305	SHARATH P	/	/	/	/	/

Mr. M. VIJAY MURUGAN
Associate Professor/ECE

Dr. M. SUDHA, M.E., MBA., Ph.D.
HEAD OF THE DEPARTMENT
ELECTRONICS AND COMMUNICATION ENGINEERING
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NH-44, PACHAL (PO) NAMAKKAL-637

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44, PACHAL, NAMAKKAL, TAMILNADU - 637018

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IN ASSOCIATION WITH

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE), INDIA

CERTIFICATE

This is to certify that

ABDULMUNAP.S

Completed course on " **PCB Designing**" from 28.11.2022 to 02.12.2022 organized by the Department of Electronics and Communication Engineering in association with The Institution of Electronics and Telecommunication Engineers (IETE), India.

Director
Enthu Technology Solutions India Pvt Ltd

CONVENOR

HOD

PRINCIPAL

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NH-44, PACHAL, NAMAKKAL, TAMILNADU - 637018

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IN ASSOCIATION WITH

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE), INDIA

CERTIFICATE

This is to certify that

CHANDALINI N S

Completed course on " **PCB Designing**" from 28.11.2022 to 02.12.2022 organized by the Department of Electronics and Communication Engineering in association with The Institution of Electronics and Telecommunication Engineers (IETE), India.

Director
Enthu Technology Solutions India Pvt Ltd

CONVENOR

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NH-44, PACHAL, NAMAKKAL, TAMILNADU - 637018

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IN ASSOCIATION WITH

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE), INDIA

CERTIFICATE

This is to certify that

BALASUBRAMANIYAM. S

Completed course on " **PCB Designing**" from 28.11.2022 to 02.12.2022 organized by the Department of Electronics and Communication Engineering in association with The Institution of Electronics and Telecommunication Engineers (IETE), India.

Director
Enthu Technology Solutions India Pvt Ltd

CONVENOR

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PRINCIPAL

PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IN ASSOCIATION WITH

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE), INDIA

CERTIFICATE

This is to certify that

GUNA.K

Completed course on " **PCB Designing**" from 28.11.2022 to 02.12.2022 organized by the Department of Electronics and Communication Engineering in association with The Institution of Electronics and Telecommunication Engineers (IETE), India.

Director
Enthu Technology Solutions India Pvt Ltd

CONVENOR

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PAAVAI ENGINEERING COLLEGE

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NH-44, PACHAL, NAMAKKAL, TAMILNADU - 637018

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IN ASSOCIATION WITH

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE), INDIA

CERTIFICATE

This is to certify that

PRIYANKA S

Completed course on " **PCB Designing**" from 28.11.2022 to 02.12.2022 organized by the Department of Electronics and Communication Engineering in association with The Institution of Electronics and Telecommunication Engineers (IETE), India.

Director
Enthu Technology Solutions India Pvt Ltd

CONVENOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NAMAKKAL – 637 018

Affiliated to Anna University Chennai and Approved by AICTE, New Delhi.

Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 20.03.2023

CIRCULAR

It is planned to conduct Five days Value added course on "WEARABLE TECHNOLOGY" for Third semester Students from 27.03.2023 to 01.04.2023. The interested students are asked to enroll their names to course coordinator Mr. VENGATACHALAM Assistant Professor /ECE on or before 25.03.2023. (Spot registration can also be permitted).

Course Co-ordinator:

Mr.VENKATACHALAM

Copt To:

Notice Board

HOD / ECE

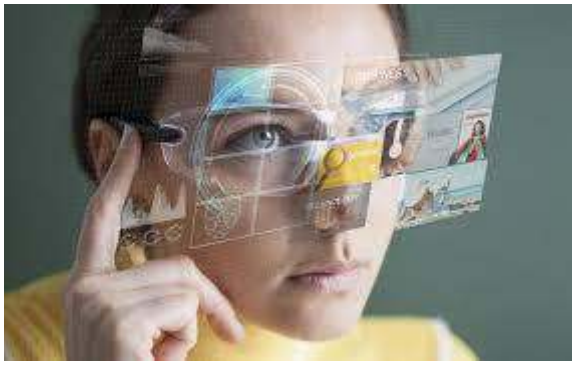
PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

WEARABLE TECHNOLOGY



Date: 27.03.2023 to 01.04.2023.

Course Incharge : Mr. VENGATACHALAM Assistant Professor /ECE

22ECVC601 **WEARABLE TECHNOLOGY**

UNIT I INTRODUCTION TO WEARABLE SYSTEMS AND SENSORS **15**

Wearable Systems- Introduction, Need for Wearable Systems, Drawbacks of Conventional Systems for Wearable Monitoring, Applications of Wearable Systems, Types of Wearable Systems, Components of wearable Systems. Sensors for wearable systems-Inertia movement sensors, Respiration activity sensor, Impedance plethysmography, Wearable ground reaction force sensor.

UNIT II APPLICATIONS OF WEARABLE SYSTEMS **15**

Medical Diagnostics, Medical Monitoring-Patients with chronic disease, Hospital patients, Elderly patients, neural recording, Gait analysis, Sports Medicine.

TOTAL PERIODS **30**

REFERENCES

- Sandeep K.S, Gupta, Tridib Mukherjee and Krishna Kumar Venkatasubramanian, Body Area Networks Safety, Security, and Sustainability, Cambridge University Press, 2013

HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
VH-7 PACHAL (Pol Namakkal - 637 018

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
22ECVC601 WEARABLE TECHNOLOGY
ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	27/3/23	28/3/23	29/3/23	31/3/23	1/4/23
1	20105001	ADHILABANU A	/	/	/	/	/
2	20105002	AKASHKRISHNA P	/	a	/	/	/
3	20105003	ANAND R	/	/	/	/	a
4	20105004	ANBARASU N	/	/	/	/	/
5	20105005	H.ANBUKKARASAN	/	/	/	/	/
6	20105006	ANNAMALAI.G	/	a	/	/	/
7	20105007	R. ARUL JOTHI	/	/	/	/	/
8	20105008	ASHMEERHAAN.R	/	/	/	/	/
9	20105009	AVANTHIKA K	/	/	/	/	/
10	20105010	AVULA ANJANEYA YADAV	/	/	/	/	/
11	20105011	S. BARANIDHARAN	/	/	/	/	/
12	20105012	B.CHANDRU	a	/	/	/	/
13	20105013	J.DANIEL	/	a	/	a	/
14	20105014	DAVA PAVAN SAI SRINIVAS	/	/	/	/	/
15	20105015	B.DHARANI	/	/	/	/	/
16	20105016	DINESHKUMAR.M	/	/	/	/	/
17	20105017	ESWARN S	/	/	/	/	/
18	20105018	GOVARDHINI.M	a	/	/	/	/
19	20105019	GOWTHAM K	/	/	/	/	/
20	20105020	HARIKRISHNAN K	/	/	/	/	/
21	20105021	HARISH.G	/	/	/	/	/
22	20105022	HEMASREE .L	/	/	/	a	/
23	20105023	JANANI M	/	/	/	/	/
24	20105024	JANATHIV.R	/	/	/	/	/
25	20105026	KAMALRAJ M	/	a	/	/	/
26	20105027	KANNAN.G	/	/	/	/	/
27	20105028	KARTHIKEYAN.S	/	/	/	/	/
28	20105029	LIVINKUMAR S	/	/	/	/	/
29	20105030	MADHAN.S	/	/	/	/	/
30	20105031	MAGESHVARAN	/	/	/	/	/
31	20105032	MANOKARAN.R	/	/	/	/	/
32	20105033	MOHANAPRIYA. T	a	/	/	/	/
33	20105034	MONICKA SHREE A	/	/	/	/	/
34	20105035	MONIKA.G	/	/	a	/	/
35	20105036	MULAKA VISHNU VARDHAN REDDY	/	/	/	/	/
36	20105037	R. MUTHU PANDIAN	/	/	/	/	a
37	20105038	NARMADHA M	/	/	/	/	/
38	20105040	NAVEEN S	/	a	/	/	/
39	20105041	NAVEENKUMAR V	/	/	/	/	/
40	20105042	NAVISE RENIHA.P	/	/	/	/	a

41	20105043	NIRANJAN.S					
42	20105044	S.NITHYA BHARATHI					
43	20105045	PARAMESWARAN					
44	20105046	PATAN SAMDAN BASHA					
45	20105047	PEDDAMALA LOKESH					
46	20105048	POOVIZHI K					
47	20105049	S.PRAGATHI RAY					
48	20105050	P.PRASANTHKUMAR					
49	20105051	PRAVEEN.K					
50	20105052	PRIYADHARSHINI M					
51	20105053	S.ROHITH(309)					
52	20105054	ROSHAN KUMAR D					
53	20105055	SAKTHIVEL.A					
54	20105056	SATHYANARAYANAN V					
55	20105057	SATHYAPRAKASH.J					
56	20105058	SHANMATHI V					
57	20105059	SINDHUJA .R					
58	20105060	SIRAJUDEEN H					
59	20105061	SOMASEKARA.S					
60	20105062	S SRIKANTH					
61	20105064	TAMILSELVAN. P					
62	20105065	VENGADESH					
63	20105066	VIKRAM.M					
64	20105067	VINOTHKUMAR V					
65	20105068	YATHISHWAR JC					
66	20105302	NAVEEN CHAKARAVARTHI P					
67	20105304	SANTHOSH P					
68	20105305	M.THENMOZHI					

Mr.VENKATACHALAM
Assistant Professor/ECE

Dr. M. SUDHA, M.E., MBA., Ph.D.,
HEAD OF THE DEPARTMENT
ELECTRONICS AND COMMUNICATION ENGINEERING
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NH-44, PACHAL (PO) NAMAKKAL-637 018

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

AKASHKRISHNA P

This is to certify that He/She has successfully completed the "**Wearable Technology**" course from **March 27, 2023 to April 1, 2023.** demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

CHANDRU B

This is to certify that He/She has successfully completed the "**Wearable Technology**" course from **March 27, 2023 to April 1, 2023**. demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR	HOD	PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

YATHISHWAR C

This is to certify that He/She has successfully completed the "**Wearable Technology**" course from **March 27, 2023 to April 1, 2023**, demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

SIRAJUDEEN H

This is to certify that He/She has successfully completed the "**Wearable Technology**" course from **March 27, 2023 to April 1, 2023**, demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR	HOD	PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

ARULJOTHI R

This is to certify that He/She has successfully completed the "**Wearable Technology**" course from **March 27, 2023 to April 1, 2023.** demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NAMAKKAL – 637 018

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Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 03.04.2023

CIRCULAR

It is planned to conduct Five days Value added course on "E VEHICLE DESIGN FOR ELECTRONICS" for Third semester Students from 10.04.2023 to 15.09.2023. The interested students are asked to enroll their names to course coordinator Mrs C. VANAJA Associate Professor/ECE on or before 08.09.2022. (Spot registration can also be permitted).

Course Co-Ordinator:

Mrs. VANAJA C

Copt To:

Notice Board

HOD / ECE

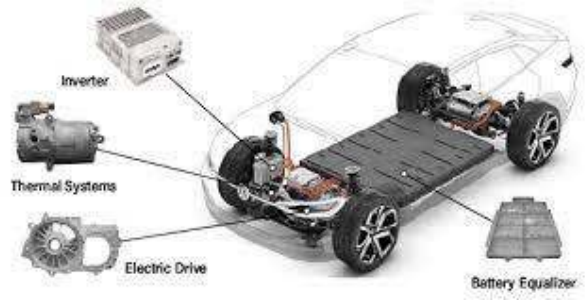
PAAVAI ENGINEERING COLLEGE

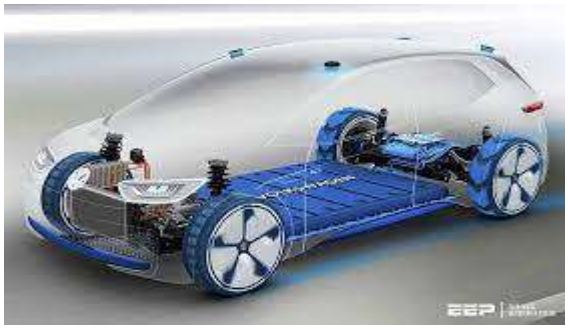
(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

E VEHICLE DESIGN FOR ELECTRONICS





Date: 10.04.2023 to 15.09.2023.

Course Incharge : Mrs C. VANAJA Associate Professor/ECE

22ECVC 801 **E-VEHICLE DESIGN FOR ELECTRONICS**

UNIT I FUNDAMENTALS OF ELECTRIC VEHICLES **15**

Benefits of Electric Vehicles-EV Technology-Vehicle types-Opportunities-Challenges-EV Charging-Charging infrastructure- Performance and transmission characteristics

UNIT II ELECTRIC VEHICLES: A REVIEW OF THEIR COMPONENTS AND TECHNOLOGIES **15**

Fully Electric Vehicle/Car-Hybrid Vehicle/Car-Electric Vehicle Promotion in world-Reasons for EV development-Introduction to Hybrid electric vehicle (HEV)- Impact to grid-EV Policies

TOTAL PERIODS **30**

REFERENCES

- https://www.nrel.gov/docs/fy23osti/84498.pdf
- https://course.cutm.ac.in/wp-content/uploads/2020/06/Notes-on-Electric-Vehicles.pdf

HEAD OF THE DEPARTMENT
Electronics & Communication Engg
RAAVAI ENGINEERING COLLEGE
VH-7 PACHAL (Po) Namakkal - 637 018

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
22ECVC801 E VEHICLE DESIGN FOR ELECTRONICS
ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	7.4.2023	10.4.2023	11.4.2023	12.4.2023	13.4.2023
1	19105001	K. AISHWARYA	/	/	/	/	/
2	19105002	AJAYKUMAR M	/	/	/	/	/
3	19105003	ANBARASAN G	/	/	/	/	/
4	19105004	M.ANU VARSHITHA	/	/	/	/	/
5	19105005	ARAVIND.R	/	/	A	/	/
6	19105006	ARAVIND .T	/	/	/	/	/
7	19105008	ARUN.E	/	/	/	/	/
8	19105009	ATHEEQ UR RAHMAN.F	/	/	/	/	/
9	19105010	BHARATH.S	/	/	/	/	/
10	19105011	BHARATHIRAJA.R	/	/	/	/	/
11	19105013	DEVA DHARSHINI. M	/	/	/	/	/
12	19105014	DHARSHINI.K	/	/	/	/	/
13	19105015	DHARSHINI.V	/	/	/	/	/
14	19105016	DHIVAKARAN.T	/	/	/	/	/
15	19105017	DINESH.C	/	/	/	/	/
16	19105018	K.DINESH	/	/	/	/	/
17	19105019	FAIYAZ BASHA F	/	A	A	A	A
18	19105020	GOKULAKANNAN RS	A	A	A	/	/
19	19105021	GOKULAKRISHNAN.R	/	A	A	A	A
20	19105022	GOPI S	/	/	/	/	/
21	19105023	GOPI.S	/	/	/	/	/
22	19105024	P GOPINATH	/	/	/	/	/
23	19105025	A.GUNAL	/	/	/	/	/
24	19105026	HARIPRASANTH.R	/	/	/	/	/
25	19105027	HARISANJAI.A	/	/	/	/	/
26	19105028	HEMALATHA.M	/	/	/	/	/
27	19105029	K.S.HEMAPRIYA	/	/	/	/	/
28	19105030	S. INDHUMATHI	/	/	/	/	/
29	19105031	JAGADHISHWARAN.S	/	/	/	/	/
30	19105032	P. JAGAN	/	/	/	/	/
31	19105033	JAYAKUMAR R	/	/	/	/	/
32	19105034	JEEVAN PRAKASHR	/	/	/	/	/
33	19105035	JEEVITHA.M	/	/	/	/	/
34	19105036	KAMALESH.A	/	/	/	/	/
35	19105037	KAMALI.S	/	/	/	/	/
36	19105038	KANISHKAR.M	/	/	/	/	/
37	19105039	KAVIYA.R	/	/	/	/	/
38	19105040	K.KAVIYAA	/	/	/	/	/
39	19105041	M.KESAVAN	/	/	/	/	/
40	19105042	KESAVARTHINI. P	/	/	/	/	/
41	19105043	KRISHNAVENI. M	/	/	A	/	/
42	19105044	LAKSHAYA.R	/	/	/	/	/

43	19105045	LAKSHMI PRABHA S					
44	19105046	I.LAVANYA					
45	19105047	LAVANYA.P					
46	19105048	LAVANYA R					
47	19105049	J.LINGESWARAN					
48	19105052	MARUDHAPANDY V					
49	19105053	MEIGNANA MOORTHY.P					
50	19105054	MOHAMMED SAMEER.M					
51	19105055	MUKILAN R					
52	19105056	MUTHU KUMARA VEL					
53	19105057	NAGAMANI.D					
54	19105058	NARENDRA PRASATH.R					
55	19105059	NARMATHA.R					
56	19105060	NARUBOINA CHARAN SAI					
57	19105061	NAVEEN KUMAR.J					
58	19105062	NAVEEN.R					
59	19105063	NAVEENA.V.K					
60	19105064	NIRMALA.N					
61	19105065	M.NITHISH					
62	19105066	OMNATH BALAJI.E					
63	19105067	B. PADMESH					
64	19105068	PARTHASARATHI. S					
65	19105069	PARTHIBAN.P					
66	19105070	PAVAN KUMAR KOKANTI					
67	19105073	PRASANTH.D					
68	19105074	PRASANTH.R					
69	19105075	PRASATH S					
70	19105076	PRINITHA. A					
71	19105077	K.PRITHIVIRAJ					
72	19105078	PRIYADHARSHINI S					
73	19105080	RAGUL.B					
74	19105081	RAGUL.R					
75	19105082	RAGUL.T					
76	19105083	RAJAGANAPATHI					
77	19105084	R.RAJARAJAN					
78	19105085	V RANJANI					
79	19105086	SAKTHI.S					
80	19105087	SANJAY A					
81	19105088	SANJAY.M					
82	19105089	SANTHOSHKUMAR V					
83	19105090	A.SARANYA					
84	19105092	SATHIS KUMAR R					
85	19105093	SHEELA JENEFER. A					
86	19105094	SIVA DHARSHINI . S					
87	19105095	SIVAGANESH.M					
88	19105097	SIVAKUMAR.M					
89	19105098	V.SIVASAKTHI					
90	19105099	M.SMITHA					
91	19105100	SNEGA.S					
92	19105101	SOBANA.S					

93	19105102	K SOWMIYA					
94	19105103	SRI THARSSENE S					
95	19105104	SRI KRISHNAN. K					
96	19105105	SRINITHI GAYATHRI S					
97	19105106	S.SRI VIKNESH					
98	19105107	SRIVISHNU.I					
99	19105108	E.SUNDARESAN					
100	19105109	SURENDHAR.B					
101	19105110	SURENDARA KUMAR.S					
102	19105111	SWATHIGA. G. V					
103	19105114	THAMBU GANESH					
104	19105115	THARANI.K					
105	19105116	THARUNKUMAR. R					
106	19105117	THEPANRAJ.R					
107	19105118	UDHAYANITHI.E					
108	19105119	VENKATESH.G.S					
109	19105120	VIGNESH M					
110	19105121	VINISHA. S					
111	19105301	ADHISHA.A					
112	19105302	MADHAAVAN P.S					
113	622121303004	BISMIN M					
114	622122303001	ATHIRA V					
115	622122303002	BALAJI S					
116	622122303003	RIZWANABEGAM H					
117	622122303004	SUJITHA A					

Mrs.VANAJA C
Associate Professor/ECE

Dr. M. SUDHA, M.E., MBA., Ph.
HEAD OF THE DEPARTMENT
ELECTRONICS AND COMMUNICATION ENGINEER
PAAVAI ENGINEERING COLLEGE (AUTONOMO
NH-44, PACHAL (PO) NAMAKK

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

GOPI S

This is to certify that He/She has successfully completed the "**E Vehicle Design For Electronics**" course from **April 10, 2023 to April 15, 2023**, demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

GUNAL A

This is to certify that He/She has successfully completed the "**E Vehicle Design For Electronics**" course from **April 10, 2023 to April 15, 2023.** demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

JEEVITHA

This is to certify that He/She has successfully completed the "**E Vehicle Design For Electronics**" course from **April 10, 2023 to April 15, 2023**, demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

SOBANA S

This is to certify that He/She has successfully completed the "**E Vehicle Design For Electronics**" course from **April 10, 2023 to April 15, 2023**, demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 (Formerly NH-7), Pachal, Namakkal-637018

Department Of Electronics and Communication Engineering

CERTIFICATE

BALAJI S

This is to certify that He/She has successfully completed the "**E Vehicle Design For Electronics**" course from **April 10, 2023 to April 15, 2023**, demonstrating proficiency in contemporary electronic instrumentation techniques.

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
&
ENERGY CLUB

DATE : 25.08.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on " PSIM " for third semester students from 12.09.2022 to 16.09.2022.The interested UG and PG students are asked to enroll their names to the course coordinator Mr.R.Satheesh Kumar AP/EEE on or before 05.09.2022.

Course Co-coordinator: Mr.R.Satheesh Kumar

HOD/EEE

Dr.G.BALAJI.M.E.,Ph.D.
Professor & HOD
Department of Electrical and Electronics Engineering
Paavai Engineering college
Namakkal - 637018

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE

FOR

ADDITIONAL SKILL DEVELOPMENT OF THE STUDENTS

(UG &PG)

PSIM

COURSE CONTENT:

Key features,

Workspace,

Basic commands,

Writing Script file,

Subsystem Design,

Logic and flow control

Course Duration: 12.09.2022 to 16.09.2022

Course Coordinator: Mr.R.Satheesh Kumar AP/EEE

22EEVC301 **PSIM**

COURSE OBJECTIVES

To enable the students to

- Understand the key for PSIM.
- learn PSIM links with software smart control specifically power converter applications.
- Know the closed loop control and digital control.

UNIT I **MODULE I** **10**

Navigate the elements library, Place and manipulate elements in the schematic, Define and setup hotkeys Use a parameter file to define element attributes

UNIT II **MODULE II** **10**

Select the proper timestep, Use "free run mode" and change element attributes during the simulation, Define waveform measurements for analysis, Setup waveform viewer, Add waveforms, Add screens, Save a setup for reuse, Change the y-axis for timing comparison, Use the AC sweep element to perform, determine the open loop transfer function, Analog s-domain sweep

UNIT III **MODULE III** **10**

Closed loop design with SmartCtrl, Use a subcircuit to define a portion of the circuit, AC sweep for digital control, Close loop with digital control, Introduction to PSIM thermal models.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- describe the key for PSIM.
- elaborate PSIM links with software smart control specifically power converter applications.
- explain the closed loop control and digital control.

TEXT BOOKS

1. Farzin Asadi ,Kei Eguchi, Power Electronics Circuit Analysis with PSIM® (De Gruyter Textbook) September 2021

REFERENCES

1. https://powersimtech.com/wp-content/uploads/2021/01/PSIM-User-Manual.pdf

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER II/III

NAME OF THE COURSE 22EEVC301- PSIM

S. No	Register No	Name of the Student	12.9.22	13.9.22	14.9.22	15.9.22	16.9.22
1	622121106001	AAKASH.S					
2	622121106002	AKASH M					
3	622121106003	AMUDHAWAN.S					
4	622121106004	ARUNACHALAM.E					
5	622121106005	BHARATH M					
6	622121106006	DEEPAKKUMAR.V					
7	622121106007	DHINESH.A					
8	622121106008	DINAKARAN.A					
9	622121106009	EMMAN VEL.G					
10	622121106010	GAYATHRI.R					
11	622121106011	GOKUL.S.S					
12	622121106012	HARIHARAN.V.B					
13	622121106013	HARIHARASUDHAN.S					
14	622121106014	HARINATH.J					
15	622121106015	HARISH.S					
16	622121106016	INDHUPRAKASH.R					
17	622121106017	JAGADHEESH.N					
18	622121106018	JANA.T					
19	622121106019	JANANI.R					
20	622121106020	JEGANATHAN.S					
21	622121106021	KABILAN.R					
22	622121106022	KALAIYARASAN.S					
23	622121106023	KALISWARI.M					
24	622121106024	KAMESHKUMAR.R					
25	622121106025	KAVIPRIYA.M					
26	622121106026	KAWIN A V A					
27	622121106027	MARIYAPPAN.S					
28	622121106028	MEYYARASAN.M					
29	622121106030	NATHIYA.S					
30	622121106031	NAVEENKUMAR.S					
31	622121106032	NISANTH ARYHA.S.P					
32	622121106033	NISHA.A					
33	622121106034	NITHISH.R					
34	622121106036	PONNUSAMY R					
35	622121106037	POOJA.N					
36	622121106039	PRASANTH KUMAR.M					
37	622121106040	PRATHAP.E					
38	622121106041	PRAVEEN.S					
39	622121106042	PRAVEENKANTH.R					
40	622121106043	PRIYADHARSHINI.A					
41	622121106044	RAJESHKUMAR.M					
42	622121106046	SANJAY.S					
43	622121106047	SANJEW.R					
44	622121106049	SARAVANAN.M					

45	622121106050	SELVAM C					
46	622121106051	SIVARAMAN K					
47	622121106053	SOWMIYA S					
48	622121106055	TAMILSELVAN K					
49	622121106058	VEERAMANI V					
50	622121106060	VIGNESH R					
51	622121106302	DINESH M					
52	622121106304	MONISH P					
53	622121106305	NAVEEN KUMAR.P					
54	622121106306	RAGUL K					

Course Coordinator

HoD/EEE

Dr.G.BALAJI,M.E.,Ph.D.,
Professor & HOD
Department of Electrical and Electronics Engineering
Paavai Engineering college
Namakkal - 637018

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

AMUDHAWAN.S

of Paavai Engineering College, studying in **SECOND YEAR EEE** has successfully completed the **PSIM** course from **12/09/2022** to **16/09/2022**.

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

KABILAN.R

of Paavai Engineering College, studying in **SECOND YEAR EEE** has successfully completed the **PSIM** course from **12/09/2022** to **16/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

POOJA.M

of Paavai Engineering College, studying in **SECOND YEAR EEE** has successfully completed the **PSIM** course from **12/09/2022** to **16/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

&

ENERGY CLUB

DATE : 2.01.2023

CIRCULAR

It is planned to conduct Five Days Value Added Course on "AURDINO PROGRAMMING AND ITS APPLICATIONS " for fourth semester students from 19.01.2023 to 23.01.2023.The interested UG and PG students are asked to enroll their names to the course coordinator Dr.D.Boopathi AP/EEE on or before 08.01.2023.

Course Co-coordinator: Dr.D.Boopathi AP/EEE

HOD/EEE

Dr.G.BALAJI M.E., Ph.D.
Professor & HOD
Department of Electrical and Electronics Engg.
Paavai Engineering College
Namakkal - 637 018.

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

&

ENERGY CLUB

VALUE ADDED COURSE

FOR

ADDITIONAL SKILL DEVELOPMENT OF THE STUDENTS

(UG &PG)

AURDINO PROGRAMMING AND ITS APPLICATIONS

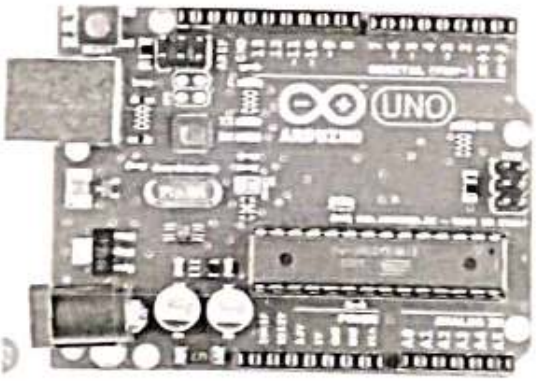
COURSE CONTENT:

Key features,

Installation,

Function Libraries,

Sensors and Projects



Course Duration: 19.01.2023 to 23.01.2023

Course Coordinator: Dr.D.Boopathi AP/EEE

22EEVC401 AURDINO PROGRAMMING AND ITS APPLICATIONS

COURSE OBJECTIVES

To enable the students to

- Understand the concept of installation
- Acquaire knowledge on arduino function libraries.
- Gain details about the concept of sensors.

UNIT I INTRODUCTION AND INSTALLATIONS 10

Basic of electronics C,C++; Overview, Board Description,, Installation, Program Structure, Data types, Variable and Constants, Operators, Control Statements, Loops, Functions, Strings, String object, Time, Array.

UNIT II ARDUINO FUNCTIONS LIBRARIES 10

I/O functions, Advanced I/O functions, Character functions, Math library, Trignometrric functions, PWM, Interrupts, Communication, IIC, SPI.

UNIT III SENSORS AND PROJECTS 10

Humidity sensor, Temperature sensor, Water detector, PIR sensor, Ultrasonic sensor, connect switch; Project on Blinking LED, Fading LED, LED bar Graph, Keyboard Message, Mouse Button Control.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Describe the basic implementation of software programming syntax
- analyse the function libraries.
- demonstrate simple projects.

TEXT BOOKS

1. Massimo Banzi, Michael Shiloh, "Getting Started with Arduino", Maker Media, Inc. December 2014.

REFERENCES

1. J. M. Hughes, "Arduino: A Technical Reference", O'Reilly Media, Inc. 2016.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER II/IV
NAME OF THE COURSE 22EEVC401- AURDINO PROGRAMMING AND ITS APPLICATIONS

S. No	Register No	Name of the Student	19.1.23	20.1.23	21.1.23	22.1.23	23.1.23
1	622121106001	AAKASH S					
2	622121106002	AKASH M					
3	622121106003	AMUDHAWAN S					
4	622121106004	ARUNACHALAM E					
5	622121106005	BHARATH M					
6	622121106006	DEEPAKKUMAR V					
7	622121106007	DHINESH A					
8	622121106008	DINAKARAN A					
9	622121106009	EMMAN VEL G					
10	622121106010	GAYATHRI R					
11	622121106011	GOKUL S S					
12	622121106012	HARIHARAN V B					
13	622121106013	HARIHARASUDHAN S					
14	622121106014	HARINATH J					
15	622121106015	HARISH S					
16	622121106016	INDHUPRAKASH R					
17	622121106017	JAGADHEESH N					
18	622121106018	JANA T					
19	622121106019	JANANI R					
20	622121106020	JEGANATHAN S					
21	622121106021	KABILAN R					
22	622121106022	KALAIYARASAN S					
23	622121106023	KALISWARI M					
24	622121106024	KAMESHKUMAR R					
25	622121106025	KAVIPRIYA M					
26	622121106026	KAWIN A V A		A			
27	622121106027	MARIYAPPAN S					
28	622121106028	MEYYARASAN M					
29	622121106030	NATHIYA S					
30	622121106031	NAVEENKUMAR S					
31	622121106032	NISANTH ARYHA S P					
32	622121106033	NISHA A					
33	622121106034	NITHISH R					
34	622121106036	PONNUSAMY R					
35	622121106037	POOJA N					
36	622121106039	PRASANTH KUMAR M					
37	622121106040	PRATHAP E					
38	622121106041	PRAVEEN S					
39	622121106042	PRAVEENKANTH R					
40	622121106043	PRIYADHARSHINI A					
41	622121106044	RAJESHKUMAR M					
42	622121106046	SANJAY S					
43	622121106047	SANJEW R					
44	622121106049	SARAVANAN M					

45	622121106050	SELVAM C	/	/	/	/	/
46	622121106051	SIVARAMAN K	/	/	/	/	/
47	622121106053	SOWMIYA S	/	/	/	/	/
48	622121106055	TAMILSELVAN K	/	/	/	/	/
49	622121106058	VEERAMANI V	/	/	/	/	/
50	622121106060	VIGNESH R	/	/	/	/	/
51	622121106302	DINESH M	/	/	/	/	/
52	622121106304	MONISH P	/	/	/	/	/
53	622121106305	NAVEEN KUMAR P	/	/	/	/	/
54	622121106306	RAGUL K	/	/	/	/	/

Course Coordinator

HoD/EEE

Dr G BALAJI M E Ph D
Professor & HOD
Department of Electrical and Electronics Engineering
Panvel Engineering college
Namakkal - 637001

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

JANA.T

of Paavai Engineering College, studying in **SECOND YEAR EEE** has successfully completed the **AURDINO PROGRAMMING AND ITS APPLICATIONS** course from **19/01/2023** to **23/01/2023**.

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

GOKUL.S.S

of Paavai Engineering College, studying in **SECOND YEAR EEE** has successfully completed the **AURDINO PROGRAMMING AND ITS APPLICATIONS** course from **19/01/2023** to **23/01/2023**.

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

NISHA.A

of Paavai Engineering College, studying in **SECOND YEAR EEE** has successfully completed the **AURDINO PROGRAMMING AND ITS APPLICATIONS** course from **19/01/2023** to **23/01/2023**

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
&
ENERGY CLUB

DATE : 26.07.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "FACTORY AUTOMATION AND ROBOTICS" for fifth semester students from 2.08.2022 to 6.08.2022.The interested UG and PG students are asked to enroll their names to the course coordinator Mrs.S.Suganya AP/EEE on or before 29.07.2022.

Course Co-coordinator: Mrs.S.Suganya AP/EEE

HOD/EEE

Dr.G.BALAJI M.E., Ph.D.
Professor & HOD
Department of Electrical and Electronics Engg.
Paavai Engineering College
Namakkal - 637 018

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

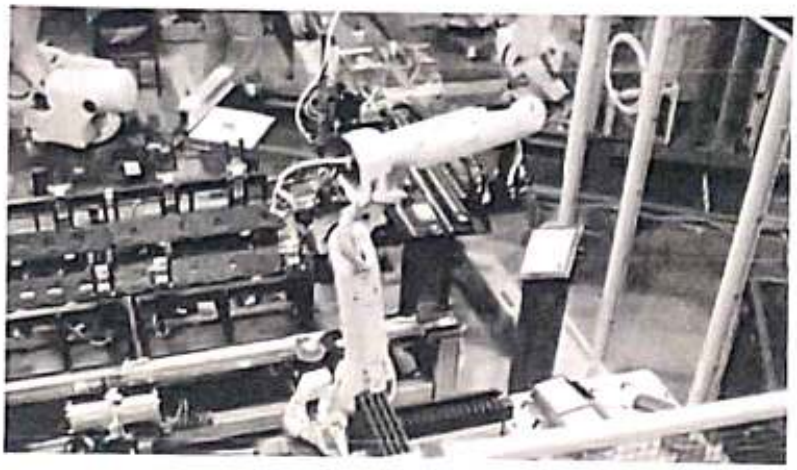
VALUE ADDED COURSE

FOR

ADDITIONAL SKILL DEVELOPMENT OF THE STUDENTS

(UG &PG)

FACTORY AUTOMATION AND ROBOTICS



COURSE CONTENT:

Fluid Power, Fluidics, Electrical and Electronic Controls, Transfer Devices and feeders, Robotics

Course Duration: 02.08.2022 to 06.08.2022

Course Coordinator: Mrs.S.Suganya AP/EEE

22EEV501 FACTORY AUTOMATION AND ROBOTICS

COURSE OBJECTIVES

To enable the students to

- develop the student's knowledge in various robot structures and their workspace
- provide the student with knowledge of the singularity issues associated with the operation of robotic systems
- provide the student with some knowledge and analysis skills associated with trajectory planning and robot control.

UNIT I INTRODUCTION 10

Concept and scope of automation: Socio economic impacts of automation, Types of Automation, Low Cost Automation. Fluid Power: Fluid power control elements, Standard graphical symbols, Fluid power generators, Hydraulic and pneumatic Cylinders - construction, design and mounting; Hydraulic and pneumatic Valves for pressure, flow and direction control.

UNIT II CONTROLS 10

Fluidics: Boolean algebra, Truth Tables, Logic Gates, Coanda effect. Electrical and Electronic Controls: Basics of Programmable logic controllers (PLC), Architecture & Components of PLC, Ladder Logic Diagrams

UNIT III DEVICES AND PARAMATERS 10

Transfer Devices and feeders: Classification, Constructional details and Applications ofTransfer devices, Vibratory bowl feeders, Reciprocating tube, Centrifugal hopper feeders. Robotics: Introduction, Classification based on geometry, control and path movement, Robot Specifications, Robot Performance Parameters, Robot Programming, Machine Vision, Teach pendants, Industrial Applications of Robots.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- demonstrate an ability to apply spatial transformation to obtain forward kinematics equation of robot manipulators.
- Describe the controllers used in robotics.
- Explain the concept of devices and parameters in automation system.

TEXT BOOKS

1. A.K. Gupta, "Industrial Automation and Robotics", Lakshmi publications 2017.

REFERENCES

1. John Iovine, PIC Robotics, McGrawHill, DOI: 10.1036/0071394559.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER III/V
NAME OF THE COURSE 22EEVC501-FACTORY AUTOMATION AND ROBOTICS

S.No	Register No	Name of the Student	2.8.22	3.8.22	4.8.22	5.8.22	6.8.22
1	20106001	ARUN A					
2	20106002	ATHIKMOHAMMED S					
3	20106003	BARANIKARTHICK T					
4	20106004	BOOBALAN S					
5	20106005	DHAMOTHARAN G					
6	20106006	DHATCHANAMOORTHI V					
7	20106007	DWARAKEESH N K					
8	20106008	GOWTHAM S N					
9	20106009	INIYAA M					
10	20106010	KALAISELVAN P					
11	20106012	KARANKUMAR S					
12	20106013	KAVINESAN R					
13	20106014	KAVINTH S					
14	20106015	KAVIYARASU C					
15	20106017	KOMARA PRASAD					
16	20106018	LOGANATHAN T					
17	20106019	MANIKANDAN B					
18	20106021	MERLIN J					
19	20106022	NAVEENKUMAR V					
20	20106023	PARTHIBAN K					
21	20106024	PRIYADHARSHINI S					
22	20106025	RAHUL M					
23	20106026	RAJIDHARAN M					
24	20106027	RAVIKUMAR G					
25	20106028	SANJAI R					
26	20106029	SANJAI R (D O J 05 01 21)					
27	20106030	SANJAIRAJ A					
28	20106031	SANJAY S					
29	20106034	SARANKANTH M					
30	20106035	SHARMILA S					
31	20106036	SIVARAJ S					
32	20106037	SRIMANIKANDAN S					
33	20106038	SRIRAM J					
34	20106039	SUGANESH R					
35	20106040	SURENDIRAN A					
36	20106041	VASANTHAKUMAR K					
37	20106042	VEERASAMY K					
38	20106043	VIGNESH P					
39	20106044	VISWABHARATH V					
40	20106045	YUVASHREE S					
41	20106301	ABINATH S					
42	20106302	AGASH R					
43	20106304	BASKARAN S					
44	20106305	BHARATH R					
45	20106306	DHEENADHAYALAN					

46	20106309	GOVINDHARAJ P	/	/	/	/	/
47	20106310	GOWSICK RAJ R	/	/	/	/	/
48	20106311	HARIHARAN M	/	/	/	/	/
49	20106312	JAGADEESH S	/	/	/	/	/
50	20106316	MOHAMMED ASIK A	/	/	/	/	/
51	20106317	MOHANA PRAKASH P	/	/	/	/	/
52	20106318	PRASANNABALAJI G	/	/	/	/	/
53	20106320	SABITHA M	/	/	/	/	/
54	20106322	SRIDHAR G	/	/	/	/	/
55	20106324	KARTHIKEYAN S	/	/	/	/	/

Course Coordinator

HoD/EEE

Dr G BALAJI M E Ph D
Professor & HOD
Department of Electrical and Electronics Engineering
Peerzai Engineering college
Namakkal - 637018

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

MERLIN.J

of Paavai Engineering College, studying in **THIRD YEAR EEE** has successfully completed the **FACTORY AUTOMATION AND ROBOTICS** course from **02/08/2022** to **06/08/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

VIGNESH.P

of Paavai Engineering College, studying in **THIRD YEAR EEE** has successfully completed the **FACTORY AUTOMATION AND ROBOTICS** course from **02/08/2022** to **06/08/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

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Department of Electrical and Electronics Engineering

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AGASH.R

of Paavai Engineering College, studying in **THIRD YEAR EEE** has successfully completed the **FACTORY AUTOMATION AND ROBOTICS** course from **02/08/2022** to **06/08/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
&
ENERGY CLUB

DATE : 20.12.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on " IOT APPLICATIONS IN SMART CITY " for sixth semester students from 2.01.2023 to 6.01.2023.The interested UG and PG students are asked to enroll their names to the course coordinator Dr.K.Jagatheesan AsP/EEE on or before 26.12.2022.

Course Co-coordinator: Dr.K.Jagatheesan AsP/EEE

HOD/EEE

Dr.G.BALAJI,M.E.,Ph.D
Professor & HOD
Department of Electrical and Electronics Engg
Paavai Engineering college
Namakkal - 637018

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

&

ENERGY CLUB

VALUE ADDED COURSE

FOR

ADDITIONAL SKILL DEVELOPMENT OF THE STUDENTS

(UG &PG)

IOT APPLICATIONS IN SMART CITY

COURSE CONTENT:

Intelligent health care- health service, Health applications; intelligent transport system- Smart parking, Vehicle monitoring, emergency services; intelligent green environment.

Course Duration: 2.01.2023 to 6.01.2023

Course Coordinator: Dr.K.Jagatheesan AsP/EEE

22EEVC601 **IOT APPLICATIONS IN SMART CITY**

COURSE OBJECTIVES

To enable the students to

- provide knowledge about IoT basics
- know about security and privacy in IoT
- Understand the solutions provided by IoT.

UNIT I INTRODUCTION **10**

IoT network architecture: General four-layer architecture is depicted in the figure with the inclusion of device, network, data management and application layer. Communication network of IoT.

UNIT II SMART CITY WITH IoT **10**

Smart grid, Smart home, Smart buildings with IoT. Smaer Services on waste management, water/gas management, Security management, Disaster management, Street light Management.

UNIT III APPLICATIONS **10**

Intelligent health care- health services , Health applications; Intelligent transport system- Smart parking, Vehicle monitoring, emergency services; Intelligent green environment.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- explain about IoT fundaentals.
- describe about the technologies and methods of IoT.
- describe the application for solution based system.

TEXT BOOKS

1. Samarendra Nath Sur, Valentina Emilia Balas, "IoT and IoE Driven Smart Cities – IoT communication systems in smart cities" 2021.

REFERENCES

1. Shalli Rani, Vyasa Sai, R. Maheswar.,"IoT and WSN based Smart Cities – A Machine Learning Perspective" Springer 2022.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER III/VI
NAME OF THE COURSE 22EEVC601- IOT APPLICATIONS IN SMART CITY

S.No	Register No	Name of the Student	2.1.23	3.1.23	4.1.23	5.1.23	6.1.23
1	20106001	ARUN A	P	P	P	P	P
2	20106002	ATHIKMOHAMMED S	P	P	P	P	P
3	20106003	BARANIKARTHICK T	P	P	P	P	P
4	20106004	BOOBALAN S	P	P	P	P	P
5	20106005	DHAMOTHARAN G	P	P	P	P	P
6	20106006	DHATCHANAMOORTHI V	P	P	P	P	P
7	20106007	DWARAKEESH N K	P	P	P	P	P
8	20106008	GOWTHAM S N	P	P	P	P	P
9	20106009	INIYAA M	P	P	P	P	P
10	20106010	KALAISELVAN P	P	P	P	P	P
11	20106012	KARANKUMAR S	P	P	P	P	P
12	20106013	KAVINESAN R	P	P	P	P	P
13	20106014	KAVINTH S	P	P	P	P	P
14	20106015	KAVIYARASU C	P	P	P	P	P
15	20106017	KOMARA PRASAD	P	P	P	P	P
16	20106018	LOGANATHAN T	P	P	P	P	P
17	20106019	MANIKANDAN B	P	P	P	P	P
18	20106021	MERLIN J	P	P	P	P	P
19	20106022	NAVEENKUMAR V	P	P	P	P	P
20	20106023	PARTHIBAN K	P	P	P	P	P
21	20106024	PRIYADHARSHINI S	P	P	P	P	P
22	20106025	RAHUL M	P	P	P	A	P
23	20106026	RAJIDHARAN M	P	P	P	P	P
24	20106027	RAVIKUMAR G	P	P	P	P	P
25	20106028	SANJAI R	P	P	P	P	P
26	20106029	SANJAI R (D O J 05 01 21)	P	P	P	P	P
27	20106030	SANJAIRAJ A	P	P	P	P	P
28	20106031	SANJAY S	P	P	A	P	P
29	20106034	SARANKANTH M	P	P	P	P	P
30	20106035	SHARMILA S	P	P	P	P	P
31	20106036	SIVARAJ S	P	P	P	P	P
32	20106037	SRIMANIKANDAN S	P	P	P	P	P
33	20106038	SRIRAM J	P	P	P	P	P
34	20106039	SUGANESH R	P	P	P	P	P
35	20106040	SURENDIRAN A	P	P	P	P	P
36	20106041	VASANTHAKUMAR K	P	P	P	P	P
37	20106042	VEERASAMY K	P	P	P	P	P
38	20106043	VIGNESH P	P	P	P	P	P
39	20106044	VISWABHARATH V	P	P	P	P	P
40	20106045	YUVASHREE S	P	P	P	P	P
41	20106301	ABINATH S	P	P	P	P	P
42	20106302	AGASH R	P	P	P	P	P
43	20106304	BASKARAN S	P	P	P	P	P
44	20106305	BHARATH R	P	P	P	P	P
45	20106306	DHEENADHAYALAN	P	P	P	P	P

46	20106309	GOVINDHARAJ P					
47	20106310	GOWSICK RAJ R					
48	20106311	HARIHARAN M					
49	20106312	JAGADEESH S					
50	20106316	MOHAMMED ASIK A					
51	20106317	MOHANA PRAKASH P					
52	20106318	PRASANNABALAJI G					
53	20106320	SABITHA M					
54	20106322	SRIDHAR G					
55	20106324	KARTHIKEYAN S					

Course Coordinator

HoD/EEE

Dr G BALAJI M E ,Ph D
Professor & HOD
Department of Electrical and Electronics Engineering
Paavai Engineering college
Namakka[illegible] - 637018

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

KAVINTH.S

of Paavai Engineering College, studying in **THIRD YEAR EEE** has successfully completed the **IoT APPLICATIONS IN SMART CITY** course from **02/01/2023** to **06/01/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

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This is to certify

SRIRAM.J

of Paavai Engineering College, studying in **THIRD YEAR EEE** has successfully completed the **IoT APPLICATIONS IN SMART CITY** course from **02/01/2023** to **06/01/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

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Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

SANJAY.S

of Paavai Engineering College, studying in **THIRD YEAR EEE** has successfully completed the **IoT APPLICATIONS IN SMART CITY** course from **02/01/2023** to **06/01/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
&
ENERGY CLUB

DATE : 08.09.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "PROGRAMMING DELTA PLC USING LD" for seventh semester students from 21.09.2022 to 28.09.2022.The interested UG and PG students are asked to enroll their names to the course coordinator Mr.V.Kumarakrishnan AP/EEE on or before 15.09.2022.

Course Co-coordinator: Mr.V.Kumarakrishnan AP/EEE

HOD/EEE

Dr.G.BALAJI,M.E.,Ph.D
Professor & HOD
Department of Electrical and Electronics Engineering
Paavai Engineering College
Namakkal - 637018

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE

FOR

ADDITIONAL SKILL DEVELOPMENT OF THE STUDENTS

(UG &PG)

PROGRAMMING DELTA PLC USING LD

COURSE CONTENT:

Overview of PLC software

DOL starter and gate simulation

Electrical measuring instruments

Timer-counter combined circuits using PLC

Wiring using PLC

Course Duration: 21.09.2022 to 28.09.2022

Course Coordinator: Mr.V.Kumarakrishnan AP/EEE

Resource Person: Mr.S.Aravinth,

Senior Project Engineer,

IPCS Automation

22EEVC701 PROGRAMMING DELTA PLC USING LD

COURSE OBJECTIVES

To enable the students to

- understand ladder diagram concept.
- know the functions in PLC.
- identify the instruction set in PLC.

UNIT I PLC LADDER DIAGRAM **10**

Working Principles; Comparision between traditional and PLC LD; Editing LD; Diagram Structure; Simplified LD; Examples.

UNIT II FUNCTIONS OF DEVICES IN PLC **10**

Values, Constanta, Numbering and Functions – External I/O contacts, auxillary relays, step relays, Timers, counters, registers, pointers.

UNIT III INSTRUCTION **10**

Basic instructions, Step ladder instructions- STL,RET, SFC, sequence, IST instructions; categories and use of application instructions.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- describe ladder diagram concept.
- enumerate the functions in PLC.
- program the instruction set in PLC.

TEXT BOOKS

1. W. Bolton." Programmable Logic Controllers", Fourth Edition, Elsevier material 2016.

REFERENCES

1. Solis PLC," PLC Programming Essentials", 2021.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER: IV/VII

NAME OF THE COURSE: 22EEVC701-PROGRAMMING DELTA PLC USING LD

S.No	Register No	Name of the Student	21.9.22	22.9.22	23.9.22	24.9.22	28.9.22
1	19106001	AARTHI K	/	/	/	/	/
2	19106003	ABITHA M	/	/	/	/	/
3	19106005	ANBARASU S	/	/	/	/	/
4	19106007	ARIVANANDHA PANDIYAN K	/	/	/	/	/
5	19106008	ARTHI R	/	/	/	/	/
6	19106009	ARUNKUMAR R	/	/	/	/	/
7	19106010	BASKAR P	/	/	/	/	/
8	19106013	DHARANEESH KUMAR R	/	/	/	/	/
9	19106018	ELUMALAI K	/	/	/	/	/
10	19106019	GOKULAKUMAR G	/	/	/	/	/
11	19106021	HEMACHANDRAN B	/	/	/	/	/
12	19106022	JANANI U	/	/	/	/	/
13	19106023	JANAPRIYA G	/	/	/	/	/
14	19106024	JARISH B	/	/	/	/	/
15	19106025	KANMANI E	/	/	/	/	/
16	19106026	KARTHIKEYAN M	/	/	A	/	/
17	19106028	KEERTHANA T	/	/	/	/	/
18	19106029	KEERTHIGA K	/	/	/	/	/
19	19106031	LOGESHWARAN G	/	/	/	/	/
20	19106032	LOKESH M	/	/	/	/	/
21	19106033	MADHESWARAN S	/	/	/	/	/
22	19106035	MINNALRAJA G	/	/	/	/	/
23	19106037	MOHAMMED SUHAIB S	/	/	/	/	/
24	19106038	MOHANRAAJ S	/	/	/	/	/
25	19106041	NAGULAN R	/	/	/	/	/
26	19106042	NANDHAKUMARAN S	/	/	/	A	/
27	19106043	NARMADHA N	/	/	/	/	/
28	19106044	NAVEEN KUMAR T	/	/	/	/	/
29	19106045	NISHA K	/	/	/	/	/
30	19106046	NITHYA MAHIMA GRACY C	/	/	/	/	/
31	19106047	PRAKASH C	/	/	/	/	/
32	19106048	PRAVEENA M	/	/	/	/	/
33	19106049	PRAVEENKUMAR P	/	/	/	/	/
34	19106050	PRIYA P	/	/	/	/	/
35	19106051	PRIYAMKUMAR A	/	/	/	/	/

36	19106052	RAJA M					
37	19106054	RISHEEBA M					
38	19106055	RITHIKGURU M					
39	19106057	SANJAY D					
40	19106058	SANJAY R					
41	19106059	SANTHOSH M					
42	19106060	SANTHOSH N					
43	19106061	SANTHOSHKUMAR R					
44	19106062	SANTHOSHPANDIYAN A					
45	19106065	SATHISHKUMAR S					
46	19106066	SETTU M					
47	19106067	SHATHAJ M					
48	19106068	SHEDHUPATHI M					
49	19106069	SNEGA U					
50	19106070	SRIRAM N					
51	19106072	SUBASH N					
52	19106073	SURIYA K					
53	19106075	TAMILARASAN P					
54	19106076	VAISA S					
55	19106077	VASANTH K					
56	19106078	VENGATRAMAN S					
57	19106079	VETRIVEL M					
58	19106080	VIGNESH G					
59	19106081	VISHNUPRADAP P					
60	19106303	KAVINKUMAR	A				
61	19106304	MURUGAPERUMAL					
62	19106305	RASIKA					
63	19106307	SOUNDHARYA M					
64	19106501	VIGNESHWARAN R					

Course Coordinator

HoD/EEE

Dr.G.BALAJI.M.E.,Ph.D
Professor & HOD
Department of Electrical and Electronics Engineering
Paavai Engineering college
Namakkal - 637018

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

PRIYA.P

of Paavai Engineering College, studying in **FINAL YEAR EEE** has successfully completed the **PROGRAMMING DELTA PLC USING LD** course from **21/09/2022** to **28/09/2022**.

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

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NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

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BASKAR.P

of Paavai Engineering College, studying in **FINAL YEAR EEE** has successfully completed the **PROGRAMMING DELTA PLC USING LD** course from **21/09/2022** to **28/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

LOKESH.M

of Paavai Engineering College, studying in **FINAL YEAR EEE** has successfully completed the **PROGRAMMING DELTA PLC USING LD** course from **21/09/2022** to **28/09/2022**.

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

&

ENERGY CLUB

DATE : 20.12.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "SOLAR PV SYSTEM DESIGN " for eight semester students from 2.01.2023 to 6.01.2023.The interested UG and PG students are asked to enroll their names to the course coordinator Mr.M.Raja AP/EEE on or before 26.12.2022.

Course Co-coordinator: Mr.M.Raja AP/EEE

HOD/EEE

Dr.G.BALAJI M.E.
Professor & HOD
Department of Electrical and Electronics Engineering
Paavai Engineering college
Namakkal - 637018

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NAMAKKAL -637 018

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

&

ENERGY CLUB

VALUE ADDED COURSE

FOR

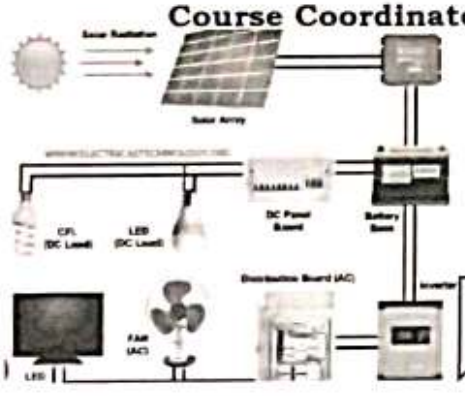
ADDITIONAL SKILL DEVELOPMENT OF THE STUDENTS

(UG &PG)

SOLAR PV SYSTEM DESIGN

Course Duration: 2.01.2023 to 6.01.2023

Course Coordinator: Mr.M.Raja AP/EEE



COURSE CONTENT: THE PV CELL , SERIES AND PARALLEL INTERCONNECTION, ENERGY FROM SUN , INCIDENT ENERGY ESTIMATION, SIZING PV , MAXIMUM POWER POINT TRACKING, MPPT ALGORITHMS, PV-BATTERY INTERFACES, PELTIER COOLING, PV AND WATER PUMPING, PV-GRID INTERFACE-I, PV-GRID INTERFACE-II and LIFE CYCLE COSTING

22EEVC801 **SOLAR PV SYSTEM DESIGN**

COURSE OBJECTIVES

To enable the students to

- know the concept of standalone PV.
- understand sizing of array , battery.
- know about the controllers

UNIT I MODULE I **10**

Planning of a Standalone PV system, Considerations for Standalone PV system, Calculation of Energy Demand, Inverter and Converter (Charge Controller) Ratings, Converter and Charge Controller Sizing, Inverter Sizing

UNIT II MODULE II **10**

Daily Energy Supplied to Inverter, System Voltage, Sizing of the Batteries, Sizing of the PV Array, Sizing of the Cables.

UNIT III MODULE III **10**

Finding the Total Load, Size and No. of Solar Panels, Rating and Size of Inverter, Rating and Size of Solar Charge Controller, Cable, CB, Switches and Plug Ampacity.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- describe about standalone PV system.
- explain array sizing.
- enumerate the controllers.

TEXT BOOKS

1. D.Yogi Goswami, " Principle of Solar Engineering". CRC Press, 2019

REFERENCES

1. Wassila Issaadi, "Photovoltaic Systems: Design, Performance and Applications, 2018.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER: IV/VIII

NAME OF THE COURSE: 22EEVC801- SOLAR PV SYSTEM DESIGN

S.No	Register No	Name of the Student	2.1.23	3. 1.23	4. 1.23	5. 1.23	6.1.23
1	19106001	AARTHI K	/	/	/	/	/
2	19106002	ABISHEK KUMAR.M	/	/	/	/	/
3	19106003	ABITHA M	/	/	/	/	/
4	19106005	ANBARASU S	/	/	/	/	/
5	19106006	ARAVIND S	/	/	/	/	/
6	19106007	ARIVANANDHA PANDIYAN K	/	/	/	/	/
7	19106008	ARTHI R	/	/	/	/	/
8	19106009	ARUNKUMAR.R	/	/	/	/	/
9	19106010	BASKAR.P	/	/	/	/	/
10	19106011	DEEPANRAJ T	/	/	/	/	/
11	19106012	DHAKSHANAMOORTHY P	/	/	/	/	/
12	19106013	DHARANEESH KUMAR.R	/	/	/	/	/
13	19106014	DHINESH.K	/	/	/	/	/
14	19106016	DINESH T	/	/	/	/	/
15	19106017	ELAKIYA G	/	/	/	/	/
16	19106018	ELUMALAI K	/	/	/	/	/
17	19106019	GOKULAKUMAR.G	/	/	/	/	/
18	19106021	HEMACHANDRAN.B	/	/	/	/	/
19	19106022	JANANI U	/	/	/	/	/
20	19106023	JANAPRIYA.G	/	/	/	/	/
21	19106024	JARISH B	/	/	/	/	/
22	19106025	KANMANI E	/	/	/	/	/
23	19106026	KARTHIKEYAN.M	/	/	/	/	/
24	19106027	KASINATH R	/	/	/	/	/
25	19106028	KEERTHANA T	/	/	/	/	/
26	19106029	KEERTHIGA.K	/	/	/	/	/
27	19106030	KIRUTHIKA.M	/	/	/	/	/
28	19106031	LOGESHWARAN.G	/	/	/	/	/
29	19106032	LOKESH.M	/	/	/	/	/
30	19106033	MADHESWARAN.S	/	/	/	/	/
31	19106035	MINNALRAJA.G	/	/	/	/	/
32	19106036	MOHAMED NAASAR.M	/	a	/	/	/
33	19106037	MOHAMMED SUHAIB S	/	/	/	/	/
34	19106038	MOHANRAAJ S	/	/	/	/	/
35	19106039	MOUNISH M	/	/	/	/	/
36	19106040	MUNIYAPPAN T	/	/	/	/	/
37	19106041	NAGULAN R	/	/	/	/	/
38	19106042	NANDHAKUMARAN.S	/	/	/	/	a
39	19106043	NARMADHA.N	/	/	/	/	/
40	19106044	NAVEEN KUMAR T	/	/	/	/	/
41	19106045	NISHA.K	/	/	/	/	/
42	19106046	NITHYA MAHIMA GRACY.C	/	/	/	/	/
43	19106047	PRAKASH.C	/	/	/	/	/
44	19106048	PRAVEENA.M	/	/	/	/	/
45	19106049	PRAVEENKUMAR.P	/	/	/	/	/
46	19106050	PRIYA.P	/	/	/	/	/
47	19106051	PRIYAMKUMAR.A	/	/	/	/	/
48	19106052	RAJA.M	/	/	/	/	/
49	19106053	RHISHIY S	/	/	/	/	/
50	19106054	RISHEEBA.M	/	/	/	/	/
51	19106055	RITHIKGURU M	/	/	/	/	/
52	19106056	SAILESHWARAN.S	/	/	/	/	/
53	19106057	SANJAY D	/	/	/	/	/

54	19106058	SANJAY R					
55	19106059	SANTHOSH M					
56	19106060	SANTHOSH N					
57	19106061	SANTHOSHKUMAR R					
58	19106062	SANTHOSHPANDIYAN A					
59	19106063	SARAVANAKUMAR M					
60	19106064	SATHISHKUMAR R					
61	19106065	SATHISHKUMAR S					
62	19106066	SETTU M					
63	19106067	SHATHAJ M					
64	19106068	SHEDHUPATHI M					
65	19106069	SNEGA U					
66	19106070	SRIRAM N					
67	19106071	SUBASH M					
68	19106072	SUBASH N					
69	19106073	SURIYA K					
70	19106075	TAMILARASAN P					
71	19106076	VAISA S					
72	19106077	VASANTH K					
73	19106078	VENGATRAMAN S					
74	19106079	VETRIVEL M					
75	19106080	VIGNESH G					

Course Coordinator

HoD/EEE

Dr.G.BALAJI,M.E.,Ph.D.
Professor & HOD
Department of Electrical and Electronics Engineering
Paavai Engineering college
Namakkal - 637018

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

DINESH.T

of Paavai Engineering College, studying in **FINAL YEAR EEE** has successfully completed the **SOLAR PV SYSTEM DESIGN** course from **02/01/2023** to **06/01/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

RAJA.M

of Paavai Engineering College, studying in **FINAL YEAR EEE** has successfully completed the **SOLAR PV SYSTEM DESIGN** course from **02/01/2023** to **06/01/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

SANJAY.D

of Paavai Engineering College, studying in **FINAL YEAR EEE** has successfully completed the **SOLAR PV SYSTEM DESIGN** course from **02/01/2023** to **06/01/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna University & AICTE, New Delhi)

Namakkal - 637018

DEPARTMENT OF FOOD TECHNOLOGY

Cordially invite you to the value-added course on

22FTVC301 - APPLICATION OF NANO TECHNOLOGY AND CRYOGENICS IN FOOD PROCESSING

on September 19th to 23rd 2022
Venue: T203

Course Coordinators

1. V. THABITHA ZELIN RACHEL, AP/FT

2. R. RAJESWARI, AP/FT

Head of the Department

R. BALASUBRAMANI

Dr. M. Premkumar
Principal

All Department Faculty Members & Students

Invite you one and all

22ITVC301 **APPPLICATTION OF NANOTECHNOLOGY AND CRYOGENICS IN FOOD PROCESSING**

COURSE OBJECTIVES

To enable the students to gain knowledge on

- Acquire knowledge about current trends and future aspects in the field of Nanotechnology
- Identify the synthesis methods for the production of nano materials
- Apply the function of Nanotechnology in Food processing and assess its socio-economic issue

COURSE OUTCOMES

At the end this course, students will be able to

i. Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

ii. Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering science

iii. Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments.

UNIT I BASICS OF NANOTECHNOLOGY AND NANOSTRUCTURES IN FOOD **10**

Background-Evolution of new technologies in the food sector-Public perception of nanotechnology food Products-Properties of nanomaterials - Nanomaterial for food applications

UNIT II NANOMATERIALS AND SYNTHESIS METHOD **10**

Nanomaterials- Physical properties -mechanical and optical properties- Magnetic and size dependent properties of nanomaterials- Electrical conductivity and photoluminescence properties of nanomaterials- Method of nanomaterials synthesis

UNIT III APPLICATIONS OF NANOTEECHNOLOGY IN FOOD PROCESSING **10**

Nanotechnology in Food Preservation-Nanoemulsion Nanodispersions Nanocapsules -Association colloids-Nanocoatings

TOTAL:30 HOURS

TEXT BOOKS

1. Nanotechnology and Food Allergy, Nano-Ethics, Physics of Bio nanotechnology, Nanoparticles in Food Diagnostics.

2. Peter JM Bartos, John J Hughes, Pavel Trtik. Nanotechnology in construction, ISBN: 978-0- 85404-623-2, 2004

REFERENCES

1. Kenneth David & Paul Thompson. What Can Nanotechnology Learn from Biotechnology, ISBN, 2008
2. Qasim Chaudhry, Laurence castle and Richard Watkins. Text book on Nanotechnologies in food, RSC Nano science and Nano technology, published by the Royal society of chemistry, ISBN 978-0-85404-169-5, 2010

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

Affiliated to Anna University Chennai and approved by AICTE, New Delhi.

Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF FOOD TECHNOLOGY

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "APPLICATION OF NANO TECHNOLOGY AND CRYOGENICS IN FOOD PROCESSING" for Third semester students from 19.09.22 to 23.09.22. The interested students are asked to enroll their names to the course coordinator V. THABITHA ZELIN RACHEL, AP/FT on or before 19.09.22.

Course Coordinators: 1. V. THABITHA ZELIN RACHEL, AP/FT

2. R. RAJESWARI, AP/FT

HOD/FT

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF FOOD TECHNOLOGY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/III

Name of the course: 22FTVC301 - APPLICATION OF NANO TECHNOLOGY AND CRYOGENICS IN FOOD PROCESSING

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
1.	622121203001	ABHIMANYU VINOD	P	P	P	P	P
2.	622121203002	ABISH CARMEL.D	P	P	P	P	P
3.	622121203003	AKSHAYA.S	P	P	P	P	P
4.	622121203004	ANBU SELVAM.H	P	P	P	P	P
5.	622121203005	ARAVINDHAN.K	P	P	P	P	P
6.	622121203006	ARIVAZHAGAN.G	P	P	P	P	P
7.	622121203007	ARUL JOTHI.M.S	P	P	P	P	P
8.	622121203008	BARATH.T	P	P	P	P	P
9.	622121203009	BHAVADHARANI.J.P	P	P	P	P	P
10.	622121203010	CYRIL PRASANNA.M	P	P	P	P	P
11.	622121203012	DEVATHA SRI.D	P	P	P	P	P
12.	622121203013	DHARSHINI.K.M	P	P	P	P	P
13.	622121203014	DHIVAKAR.S	P	P	P	P	P
14.	622121203015	DINESHSURYA.B	AB	AB	AB	AB	AB
15.	622121203016	GAYATHRI.M	P	P	P	P	P
16.	622121203017	GIJENDRAN.M.R	P	P	P	P	P
17.	622121203018	GOWRI.V	P	P	P	P	P

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
18.	622121203019	HARINI SUVETHA.M	P	P	P	P	P
19.	622121203020	HARINI.P	P	P	P	P	P
20.	622121203021	HEMASHREE.P	P	P	P	P	P
21.	622121203022	INDHU.M	P	P	P	P	P
22.	622121203023	JANANE.T.I	P	P	P	P	P
23.	622121203024	JANANI.B	P	P	P	P	P
24.	622121203025	JAYASRI.B	P	P	P	P	P
25.	622121203026	JOEWIN.X	P	P	P	P	P
26.	622121203027	KAMALESH.S	P	P	P	P	P
27.	622121203028	KANISHKA K	P	P	P	P	P
28.	622121203029	KANISHKA.K	P	P	P	P	P
29.	622121203030	KEERTHIKA.M	P	P	P	P	P
30.	622121203031	KIRUTHIGA DEVI.S	P	P	P	P	P
31.	622121203032	LOGANATHAN.N	P	P	P	P	P
32.	622121203033	LOKESHWARI. A	P	P	P	P	P
33.	622121203034	MANISHARMA. D	P	P	P	P	P
34.	622121203035	MARIMUTHU.N	P	P	P	P	P
35.	622121203036	MOGANAPRIYA.R	AB	AB	AB	AB	AB.
36.	622121203037	MOHAMED RASHID.K.H	P	P	P	P	P
37.	622121203038	MONISHKUMAR.K	P	P	P	P	P
38.	622121203039	MRUTHULA.B	P	P	P	P	P
39.	622121203042	PAVITTRA SRI.M	P	P	P	P	P
40.	622121203043	PRIYADHARSHNI. S	P	P	P	P	P

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
41.	622121203044	PUSHPARAJ.D	P	P	P	P	P
42.	622121203046	SABAPATHI.S	P	P	P	P	P
43.	622121203048	SAKTHIVEL.S	P	P	P	P	P
44.	622121203049	SERAN.V	P	P	P	P	P
45.	622121203050	SINDHIYA.P.M	P	P	P	P	P
46.	622121203051	SIVA.C	P	P	P	P	P
47.	622121203052	SOWNDARYA.A	P	P	P	P	P
48.	622121203054	THAMIZHMARAN.D	P	P	P	P	P
49.	622121203055	VASANTH.B	P	P	P	P	P
50.	622121203056	VENGATESH.R	P	P	P	P	P
51.	622121203057	VIDHYA SAGAR.V	P	P	P	P	P
52.	622121203058	VIGNESH.A	P	P	P	P	P
53.	622121203062	VIZHIYATHAVAN.R	P	P	P	P	P

Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

GOWRI V

of Paavai Engineering College, studying in Third **year** has successfully completed the Value added Course 22FTVC301 –APPLICATION OF NANO TECNOLOGY AND CRYOGENICS IN FOOD PROCESSING. The duration of the Course is 30 hours .**(19/09/2022 to 23/09/2022)** .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

LOKESHWARI A

of Paavai Engineering College, studying in Third **year** has successfully completed the Value added Course 22FTVC301 –APPLICATION OF NANO TECNOLOGY AND CRYOGENICS IN FOOD PROCESSING. The duration of the Course is 30 hours .**(19/09/2022 to 23/09/2022)** .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

ARULJOTHI M S

of Paavai Engineering College, studying in Third **year** has successfully completed the Value added Course 22FTVC301 –APPLICATION OF NANO TECNOLOGY AND CRYOGENICS IN FOOD PROCESSING. The duration of the Course is 30 hours .**(19/09/2022 to 23/09/2022)** .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

KIRUTHIGA DEVI S

of Paavai Engineering College, studying in Third **year** has successfully completed the Value added Course 22FTVC301 –APPLICATION OF NANO TECNOLOGY AND CRYOGENICS IN FOOD PROCESSING. The duration of the Course is 30 hours .**(19/09/2022 to 23/09/2022)** .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

HARINI SUVETHA M

of Paavai Engineering College, studying in Third **year** has successfully completed the Value added Course 22FTVC301 –APPLICATION OF NANO TECNOLOGY AND CRYOGENICS IN FOOD PROCESSING. The duration of the Course is 30 hours .**(19/09/2022 to 23/09/2022)** .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna University & AICTE, New Delhi)

Namakkal - 637018

DEPARTMENT OF FOOD TECHNOLOGY

Cordially invite you to the value-added course on

22FTVC401 - SPECIALITY FOODS

on March 27th to 31st 2023
Venue: T204

Course Coordinators

1. M.D.S. RAJARUBAN, AP/FT

2. S. GOWTHAM KUMAR, AP/FT

Head of the Department

S. KAILASH

Dr. M. Premkumar
Principal

All Department Faculty Members & Students

Invite you one and all

22FTVC401 **SPECIALITY FOODS**

COURSES OBJECTIVES

To enable the students to

- Introduce students to various therapeutic and speciality foods.
- Understand the concepts of foods based on genetic modifications

COURSE OUTCOMES

At the end this course, students will be able to

i. Understand the benefits of various speciality foods
ii. Understand the concepts of sources of foods
iii. Know about needs and scope of speciality foods

UNIT-1 NEED AND SCOPE OF SPECIALITY FOOD **10**

Specialty food based on case in preparation cost health benefits, Functional foods, Convenience food. Health care and medical benefits, Nutritional status, Low cost foods.

UNIT – II SPECIALTY FOODS BASED ON SOURCES **10**

Cereals and millets, Legumes and pulses, Fruits and vegetables, Animal food sources, By product based, Non-conventional foods. Specialty foods based on process.

UNIT – III SPECIALTY FOODS BASED ON GENETICS **10**

Genetically modified foods, Transgenic foods, Biotechnological aspects of detoxification. Proprietary foods. Supplementary foods.

Total: 30 Hours

TEXT BOOKS

1. Yanyun Zhao "Specialty Foods: Processing Technology, Quality, and Safety", CRC Press, 2012.

REFERENCES

1. Steve Taylor, "Advances in Food and Nutrition Research", Volume 49, Elsevier Inc.,2005
2. Parvinder S. Bali, "Food Production Operation", Oxford University

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

Affiliated to Anna University Chennai and approved by AICTE, New Delhi.

Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF FOOD TECHNOLOGY

DATE: 21.03.23

CIRCULAR

It is planned to conduct Five Days Value Added Course on "SPECIALITY FOODS" for Fourth semester students from 27.03.23 to 31.03.23. The interested students are asked to enroll their names to the course coordinator M.D.S RAJARUBAN, AP/FT on or before 27.03.23.

Course Coordinators: 1. M.D.S. RAJARUBAN, AP/FT

2. S. GOWTHAM KUMAR, AP/FT

HOD/FT

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF FOOD TECHNOLOGY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/VI

Name of the course: 22FTVC401 - SPECIALITY FOODS

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
1.	622121203001	ABHIMANYU VINOD	P	P	P	P	P
2.	622121203002	ABISH CARMEL.D	P	P	P	P	P
3.	622121203003	AKSHAYA.S	P	P	P	P	P
4.	622121203004	ANBU SELVAM.H	P	P	P	P	P
5.	622121203005	ARAVINDHAN.K	P	P	P	P	P
6.	622121203006	ARIVAZHAGAN.G	P	P	P	P	P
7.	622121203007	ARUL JOTHI.M.S	P	P	P	P	P
8.	622121203008	BARATH.T	P	P	P	P	P
9.	622121203009	BHAVADHARANI.J.P	P	P	P	P	P
10.	622121203010	CYRIL PRASANNA.M	AB	AB	AB	AB	AB
11.	622121203012	DEVATHA SRI.D	P	P	P	P	P
12.	622121203013	DHARSHINI.K.M	P	P	P	P	P
13.	622121203014	DHIVAKAR.S	P	P	P	P	P
14.	622121203015	DINESHSURYA.B	P	P	P	P	P
15.	622121203016	GAYATHRI.M	P	P	P	P	P
16.	622121203017	GIJENDRAN.M.R	P	P	P	P	P
17.	622121203018	GOWRI .V	P	P	P	P	P

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
18.	622121203019	HARINI SUVETHA.M	P	P	P	P	P
19.	622121203020	HARINI.P	P	P	P	P	P
20.	622121203021	HEMASHREE.P	P	P	P	P	P
21.	622121203022	INDHU.M	P	P	P	P	P
22.	622121203023	JANANE.T.I	P	P	P	P	P
23.	622121203024	JANANI.B	P	P	P	P	P
24.	622121203025	JAYASRI.B	P	P	P	P	P
25.	622121203026	JOEWIN.X	P	P	P	P	P
26.	622121203027	KAMALESH.S	P	P	P	P	P
27.	622121203028	KANISHKA K	P	P	P	P	P
28.	622121203029	KANISHKA.K	P	P	P	P	P
29.	622121203030	KEERTHIKA.M	P	P	P	P	P
30.	622121203031	KIRUTHIGA DEVI.S	P	P	P	P	P
31.	622121203032	LOGANATHAN.N	P	P	P	P	P
32.	622121203033	LOKESHWARI. A	P	P	P	P	P
33.	622121203034	MANISHARMA. D	P	P	P	P	P
34.	622121203035	MARIMUTHU.N	P	P	P	P	P
35.	622121203036	MOGANAPRIYA.R	P	P	P	P	P
36.	622121203037	MOHAMED RASHID.K.H	P	P	P	P	P
37.	622121203038	MONISHKUMAR.K	P	P	P	P	P
38.	622121203039	MRUTHULA.B	P	P	P	P	P
39.	622121203042	PAVITTRA SRI.M	P	P	P	P	P
40.	622121203044	PUSHPARAJ.D	P	P	P	P	P
41.	622121203046	SABAPATHI.S	P	P	P	P	P
42.	622121203048	SAKTHIVEL.S	P	P	P	P	P

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
43.	622121203049	SERAN.V	P	P	P	P	P
44.	622121203050	SINDHIYA.P.M	P	P	P	P	P
45.	622121203051	SIVA.C	P	P	P	P	P
46.	622121203052	SOWNDARYA.A	P	P	P	P	P
47.	622121203054	THAMIZHMARAN.D	AB	AB	AB	AB	AB
48.	622121203055	VASANTH.B	P	P	P	P	P
49.	622121203056	VENGATESH.R	P	P	P	P	P
50.	622121203057	VIDHYA SAGAR.V	P	P	P	P	P
51.	622121203058	VIGNESH.A	P	P	P	P	P
52.	622121203062	VIZHIYATHAVAN.R	P	P	P	P	P

S. Ulosh

Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

PUSHPARAJ D

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22FTVC401 –SPECIALITY FOODS.The duration of the Course is 30 hours . **(27/03/2023 to 31/03/2023) .**

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

JOEWIN X

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22FTVC401 –SPECIALITY FOODS.The duration of the Course is 30 hours . **(27/03/2023 to 31/03/2023) .**

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

KIRUTHIGA DEVI S

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22FTVC401 –SPECIALITY FOODS.The duration of the Course is 30 hours . **(27/03/2023 to 31/03/2023) .**

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

MOGANA PRIYA R

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22FTVC401 –SPECIALITY FOODS.The duration of the Course is 30 hours . **(27/03/2023 to 31/03/2023) .**

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

SINDHIYA P M

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 22FTVC401 –SPECIALITY FOODS.The duration of the Course is 30 hours . **(27/03/2023 to 31/03/2023) .**

Course Incharge | HoD | Principal

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna University & AICTE, New Delhi)

Namakkal - 637018

DEPARTMENT OF FOOD TECHNOLOGY

Cordially invite you to the value-added course on

22FTVC501 - TRADITIONAL FOODS

on September 19th to 23rd 2022
Venue: T205

Course Coordinators

1. S. KAILASH, AP/FT

2. M.R. MAHALAKSHIMI, AP/FT

Head of the Department

R. BALASUBRAMANI

Dr. M. Premkumar
Principal

All Department Faculty Members & Students

Invite you one and all

22FTVC501 **TRADITIONAL FOODS**

COURSES OBJECTIVES:

To enable the students to gain knowledge on

- Understand the importance of traditional foods and food habits.
- Know the traditional processing of snack, sweet and dairy foods products.
- Infer the wide diversity and common features of traditional Indian foods and meal patterns.

COURES OUTCOMES

At the end of this course, students will be able to

i. Justify the processing methods of traditional foods in terms of its health benefits.
i. Assess the production methods of traditional sweets, snacks and dairy products.
ii. Differentiate Traditional fermented foods products based on its raw material.

UNIT – I TRADITIONAL METHODS OF FOOD PROCESSING **10**

Introduction - food culture-geographical features and food. Traditional methods of milling grains -rice, wheat and corn-equipments and processes as compared to modern methods.

UNIT – II TRADITIONAL SWEETS, SNACKS AND DAIRY PRODUCTS **10**

Production, formulation, preparation and processing of Indian traditional sweet and snack food products: -Rasgolla, Gulabjamun, formulation and preparation of namkeen, papads, vada, potato chips,banana,chips,samosa.

UNIT – III TRADITIONAL FERMENTED FOOD PRODUCTS **10**

Idli, Tempe, Soya sauce, fish pickle, dry fish, meat and vegetable fermented products. Various alcohol-based products. **Total: 30 Hours**

TEXT BOOKS

1. Sen and Colleen Taylor, Food Culture in India, Greenwood Press, 2005.
2. Davidar, Ruth N. "Indian Food Science A Health and Nutrition Guide to Traditional Recipes" East West Books, 2001.

REFERENCES

1. Richardson P., Thermal Technologies in Food Processing, Wood head Publishers, Cambridge, CRCPress,2001.
2. Guy R. Extrusion Cooking Technologies and Applications. Wood head Publishing Limited, Abington, Cambridge, 2001

PAAVAI ENGINEERING COLLEGE
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NAMAKKAL -637 018

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Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF FOOD TECHNOLOGY

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on " TRADITIONAL FOODS " for Fifth semester students from 19.09.22 to 23.09.22.The interested students are asked to enroll their names to the course coordinator S.KAILASH, AP/FT on or before 19.09.22.

Course Coordinators: 1. S. KAILASH, AP/FT

2. M.R. MAHALAKSHIMI, AP/FT

HOD/FT

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF FOOD TECHNOLOGY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year Semester : III/V

Name of the course: 22FTVC501 - TRADITIONAL FOODS

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
1.	20203001	ABIN JOY MATHEW	P	P	P	P	P
2.	20203002	AGATHIYAN.B	P	P	P	P	P
3.	20203003	AJAI.M	P	P	P	P	P
4.	20203005	ANJASHA JUHI.G	P	P	P	P	P
5.	20203006	BALAKUMAR.K	P	P	P	P	P
6.	20203007	BOOPATHI. M	P	P	P	P	P
7.	20203008	CHANDRU.A	P	P	P	P	P
8.	20203009	CHANDRU.T	P	P	P	P	P
9.	20203010	DHARSHANI.S.M	P	P	P	P	P
10.	20203011	DINESH.N	P	P	P	P	P
11.	20203012	GLADISH VINCY.D	P	P	P	P	P
12.	20203013	GOBI.G	P	P	P	P	P
13.	20203014	GOKULA PRIYA.A	AB	AB	AB	AB	AB
14.	20203015	GOPIKA SHREE.C	P	P	P	P	P
15.	20203016	GOWTHAM.R	P	P	P	P	P
16.	20203017	HARINI.P.A.M	P	P	P	P	P
17.	20203018	HARIPRIYAN.C	P	P	P	P	P
18.	20203019	HARIVISWARAJA.S	P	P	P	P	P

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
19.	20203020	JAGADESHWARI.S	P	P	P	P	P
20.	20203021	JAGADHEESAN.A.V	P	P	P	P	P
21.	20203022	JAINANDHINI.S	P	P	P	P	P
22.	20203025	KIRUTHIKA.M	P	P	P	P	P
23.	20203026	LAVANYA.M	P	P	P	P	P
24.	20203027	MANOHARAN.T	P	P	P	P	P
25.	20203028	MANOJ KUMAR.B	P	P	P	P	P
26.	20203029	MEGHNA.G	P	P	P	P	P
27.	20203030	MOTHESH.P	P	P	P	P	P
28.	20203031	NEELAVATHI.U	P	P	P	P	P
29.	20203032	NESAN.M	P	P	P	P	P
30.	20203033	PAVITHRA.N	P	P	P	P	P
31.	20203034	PONMOZHI.M	P	P	P	P	P
32.	20203035	PRASANTH.S	P	P	P	P	P
33.	20203037	PRIYA.A	P	P	P	P	P
34.	20203038	RAGUL.R	P	P	P	P	P
35.	20203039	RAJARAJACHOLAN.A	P	P	P	P	P
36.	20203040	RAJASHIMMAN.S	P	P	P	P	P
37.	20203041	RAKESH.R	P	P	P	P	P
38.	20203042	RAMACHANDRAN.K	P	P	P	P	P
39.	20203043	RANJANA.J	P	P	P	P	P
40.	20203044	SAI SUDHARSANAN.S.R	P	P	P	P	P
41.	20203045	SHANTHINI.P	P	P	P	P	P
42.	20203046	SHILESH.S.R	P	P	P	P	P
43.	20203047	SILAMBARASAN.P	P	P	P	P	P

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
44.	20203048	SRI GANESH.V.G	P	P	P	P	P
45.	20203049	SRILAKSHMI NARAYANAN.S	P	P	P	P	P
46.	20203050	SRISOMADHARSHINI.G	P	P	P	P	P
47.	20203051	SUMITHA.V	P	P	P	P	P
48.	20203052	THIRISHA BHARATHI.G.K	P	P	P	P	P
49.	20203053	THIRUMURUGAN.A	P	P	P	P	P
50.	20203055	VINOTHA.G	P	P	P	P	P
51.	20203056	VINOTHA.S	P	P	P	P	P
52.	20203057	VISHAALAAKSHI.M	P	P	P	P	P

S. Kilash.

Course Coordinator

PAAVAI ENGINEERING COLLEGE

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NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

MEGHNA G

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 22FTVC501 –TRADTIONAL FOODS.The duration of the Course is 30 hours .

(19/09/2022 to 23/09/2022) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

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Department of Food Technology

CERTIFICATE

This is to certify that

RAKESH R

of Paavai Engineering College, studying in Third **year** has successfully completed the Value added Course 22FTVC501 –TRADTIONAL FOODS.The duration of the Course is 30 hours .

(19/09/2022 to 23/09/2022) .

Course Incharge	HoD	Principal

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Department of Food Technology

CERTIFICATE

This is to certify that

SHILESH S R

of Paavai Engineering College, studying in Third **year** has successfully completed the Value added Course 22FTVC501 –TRADTIONAL FOODS.The duration of the Course is 30 hours .

(19/09/2022 to 23/09/2022) .

Course Incharge	HoD	Principal

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Department of Food Technology

CERTIFICATE

This is to certify that

PRIYA A

of Paavai Engineering College, studying in Third **year** has successfully completed the Value added Course 22FTVC501 –TRADTIONAL FOODS.The duration of the Course is 30 hours .

(19/09/2022 to 23/09/2022) .

Course Incharge	HoD	Principal

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Department of Food Technology

CERTIFICATE

This is to certify that

RAGUL R

of Paavai Engineering College, studying in Third **year** has successfully completed the Value added Course 22FTVC501 –TRADTIONAL FOODS.The duration of the Course is 30 hours .

(19/09/2022 to 23/09/2022) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

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Namakkal - 637018

DEPARTMENT OF FOOD TECHNOLOGY

Cordially invite you to the value-added course on

22FTVC601 - MUSHROOM TECHNOLOGY

on March 27th to 31st 2023
Venue: T203

Course Coordinators

1. G. THAMARAI SELVA, AP/FT

2. V. SHIVASANKARI, AP/FT

Head of the Department

S. KAILASH

Dr. M. Premkumar
Principal

All Department Faculty Members & Students

Invite you one and all

22FTVC601 **MUSHROOM TECNOLOGY**

COURSES OBJECTIVES

To enable the students to gain knowledge on

- Understand the basic concepts and techniques of mushroom cultivation.
- Plan the construction of houses for mushroom cultivation.
- Apply suitable post-harvest processing technology and represent the advances in mycology.

COURSE OUTCOMES

At the end this course, students will be able to

1. Exemplify the classification, Morphology and Nutrient profile of Mushroom
2. Implement the mushroom cultivation techniques
3. Plan and execute the construction of mushroom houses

UNIT-I INTRODUCTION **10**

History and classification of Indian Mushroom-Edible and Poisonous Mushroom-Mushroom classification- Based on occurrence, Morphology-Edibility and poisonous properties.

UNIT – II TECHNIQUES OF MUSHROOM CULTIVATION **10**

Structure and construction of Mushroom House-Layout of traditional and green house method. Methods of Mushroom cultivation: Bed Method.

UNIT – III CONSTRCTION OF MUSHROOM HOUSES **10**

Structure and construction of Mushroom House-Layout of traditional and green house method-Methods of Mushroom cultivation: Bed Method-Polythene Bag Method-Principles of composting.

Total:30 Hours

TEXT BOOKS

1. Mushroom Production and Processing Technology, Pathak Yadav Gour Published by Agrobios India,2010.
2. Mushroom Cultivation, Tripathi, D. POxford & IBH Publishing Co, PVT.LTD, New Delhi, (2005)
REFERENCES

REFERENCES

1. Gupta, P. K. Elements of Biotechnology 2nd Edition (3rd Reprint) 2015.
2. Kannaiyan, S. Ramasamy, K. A hand book of edible mushroom, Today & Tomorrows Printers &Publishers, New Delhi 1980

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DEPARTMENT OF FOOD TECHNOLOGY

DATE: 21.03.23

CIRCULAR

It is planned to conduct Five Days Value Added Course on "MUSHROOM TECHNOLOGY " for Sixth semester students from 27.03.23 to 31.03.23.The interested students are asked to enroll their names to the course coordinator G. THAMARAI SELVA, AP/FT on or before 27.03.23.

Course Coordinators: 1. G. THAMARAI SELVA, AP/FT

2. V. SHIVASANKARI, AP/FT

S. Kavitha

HOD/FT

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DEPARTMENT OF FOOD TECHNOLOGY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III/VI

Name of the course: 22FTVC601 - MUSHROOM TECHNOLOGY

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
1.	20203001	ABIN JOY MATHEW	P	P	P	P	P
2.	20203002	AGATHIYAN.B	P	P	P	P	P
3.	20203003	AJAI.M	P	P	P	P	P
4.	20203005	ANJASHA JUHI.G	P	P	P	P	P
5.	20203006	BALAKUMAR.K	P	P	P	P	P
6.	20203007	BOOPATHI. M	P	P	P	P	P
7.	20203008	CHANDRU.A	P	P	P	P	P
8.	20203009	CHANDRU.T	P	P	P	P	P
9.	20203010	DHARSHANI.S.M	P	P	P	P	P
10.	20203011	DINESH.N	P	P	P	P	P
11.	20203012	GLADISH VINCY.D	P	P	P	P	P
12.	20203013	GOBI.G	P	P	P	P	P
13.	20203014	GOKULA PRIYA.A	P	P	P	P	P
14.	20203015	GOPIKA SHREE.C	P	P	P	P	P
15.	20203016	GOWTHAM.R	P	P	P	P	P
16.	20203017	HARINI.P.A.M	P	P	P	P	P
17.	20203018	HARIPRIYAN.C	P	P	P	P	P
18.	20203019	HARIVISWARAJA.S	P	P	P	P	P

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
19.	20203020	JAGADESHWARI.S	P	P	P	P	P
20.	20203021	JAGADHEESAN.A.V	P	P	P	P	P
21.	20203022	JAINANDHINI.S	P	P	P	P	P
22.	20203025	KIRUTHIKA.M	P	P	P	P	P
23.	20203026	LAVANYA.M	P	P	P	P	P
24.	20203027	MANOHARAN.T	P	P	P	P	P
25.	20203028	MANOJ KUMAR.B	P	P	P	P	P
26.	20203029	MEGHNA.G	P	P	P	P	P
27.	20203030	MOTHESH.P	AB	AB	AB	AB	AB
28.	20203031	NEELAVATHI.U	P	P	P	P	P
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30.	20203033	PAVITHRA.N	P	P	P	P	P
31.	20203034	PONMOZHI.M	P	P	P	P	P
32.	20203035	PRASANTH.S	P	P	P	P	P
33.	20203037	PRIYA.A	P	P	P	P	P
34.	20203038	RAGUL.R	P	P	P	P	P
35.	20203039	RAJARAJACHOLAN.A	P	P	P	P	P
36.	20203040	RAJASHIMMAN.S	P	P	P	P	P
37.	20203041	RAKESH.R	P	P	P	P	P
38.	20203042	RAMACHANDRAN.K	P	P	P	P	P
39.	20203043	RANJANA.J	P	P	P	P	P
40.	20203044	SAI SUDHARSANAN.S.R	P	P	P	P	P
41.	20203045	SHANTHINI.P	P	P	P	P	P
42.	20203046	SHILESH.S.R	P	P	P	P	P
43.	20203047	SILAMBARASAN.P	P	P	P	P	P

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
44.	20203048	SRI GANESH.V.G	P	P	P	P	P
45.	20203049	SRILAKSHMI NARAYANAN.S	P	P	P	P	P
46.	20203050	SRISOMADHARSHINI.G	AB	AB	AB	AB	AB
47.	20203051	SUMITHA.V	P	P	P	P	P
48.	20203052	THIRISHA BHARATHI.G.K	P	P	P	P	P
49.	20203053	THIRUMURUGAN.A	P	P	P	P	P
50.	20203055	VINOTHA.G	P	P	P	P	P
51.	20203056	VINOTHA.S	P	P	P	P	P
52.	20203057	VISHAALAAKSHI.M	P	P	P	P	P

Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

BALA KUMAR K

of Paavai Engineering College, studying in Final year has successfully completed the Value added Course 22FTVC601 –MUSHROOM TECHNOLOGY. The duration of the Course is 30 hours . (27/03/2023 to 31/03/2023) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

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Department of Food Technology

CERTIFICATE

This is to certify that

GOKULA PRIYA A

of Paavai Engineering College, studying in Final year has successfully completed the Value added Course 22FTVC601 –MUSHROOM TECHNOLOGY. The duration of the Course is 30 hours . (27/03/2023 to 31/03/2023) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

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Department of Food Technology

CERTIFICATE

This is to certify that

PRASANTH S

of Paavai Engineering College, studying in Final year has successfully completed the Value added Course 22FTVC601 –MUSHROOM TECHNOLOGY. The duration of the Course is 30 hours . (27/03/2023 to 31/03/2023) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

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Department of Food Technology

CERTIFICATE

This is to certify that

RANJANA J

of Paavai Engineering College, studying in Final year has successfully completed the Value added Course 22FTVC601 –MUSHROOM TECHNOLOGY. The duration of the Course is 30 hours . (27/03/2023 to 31/03/2023) .

Course Incharge	HoD	Principal

PAAVAI ENGINEERING COLLEGE

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Department of Food Technology

CERTIFICATE

This is to certify that

NESAN M

of Paavai Engineering College, studying in Final year has successfully completed the Value added Course 22FTVC601 –MUSHROOM TECHNOLOGY. The duration of the Course is 30 hours . (27/03/2023 to 31/03/2023) .

Course Incharge

HoD

Principal

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna University & AICTE, New Delhi)

Namakkal - 637018

DEPARTMENT OF FOOD TECHNOLOGY

Cordially invite you to the value-added course on

22FTVC701 - FUNCTIONAL FOOD AND NUTRACEUTICALS

on September 19th to 23rd 2022
Venue: T204

Course Coordinators

1. M. MONICA, AP/FT

2. C. MALAICHAMY, AP/FT

Head of the Department

R. BALASUBRAMANI

Dr. M. Premkumar
Principal

All Department Faculty Members & Students

Invite you one and all

22FTVC701 **FUNCTIONAL FOODS AND NUTRACEUTICALS**

COURSES OBJECTIVES

To enable the students to

- Understand the concept of functional foods and nutraceuticals, including their definitions, classification, and regulatory aspects.
- Analyze the scientific evidence supporting the health benefits of specific functional foods and nutraceuticals.
- Develop critical thinking skills to evaluate the efficacy, safety, and potential interactions of functional foods and nutraceuticals in different populations.

COURSES OUTCOME

At the end this course, students will be able to

- Identify and differentiate various functional foods and nutraceuticals available in the market.
- Critically analyze research studies and literature related to functional foods and nutraceuticals.
- Communicate effectively with clients, colleagues, and the public about the role of functional foods and nutraceuticals.

UNIT-1 INTRODUCTION **10**

Definition, History, Classification of functional foods and Introduction to Nutraceuticals as Science- Historical Perspective, Classification, Scope and Future Prospects.

UNIT – 2 APPLIED ASPECTS OF THE NUTRACEUTICAL SCIENCE **10**

Sources of Nutraceuticals, Relation of Nutraceutical Science with Other sciences : Medicine, Human Physiology, Genetics, Food Technology, Chemistry and Nutrition. Functions Of Various Nutraceuticals – Ornithine Alpha Ketoglutarate, Carnitine, Lycopene, Octacosanol, Glucosamine.

UNIT – 3 NUTRACEUTICAL REMEDIES **10**

Nutraceuticals Bridging the Gap between Food and Drug, Nutraceuticals in Treatment for Cognitive Disorders. Medicinal Plant Derived Nutraceuticals : Anti Aging, Anti-Inflammatory Compounds. Nutraceutical Remedies for Arthritis, Bronchitis, Circulatory Problems, Hypoglycermia. Nutraceutical Remedies For Nephrological Disorders, Liver Disorders, Osteoporosis, Psoriasis and Ulcers. **Total: 30 Hours**

TEXT BOOKS

1. Functional foods and nutraceutical, Chukwuebuka Egbuna, Genevieve Dable Tupas by Nigeria, (2012).
2. Advance in nutraceutical and functional foods, Sreerag Gopi, Preetha Balakrishnan, by Netherland, (2008).

REFERENCE

1. Functional Foods And Nutraceuticals – Modern Approach To Food Science, SA EI Sohaimy – World Applied Sciences Journal, 20 (5), 2012.
2. Nutraceuticals and Functional Foods : The Foods For The Future World, Khalid Gul, AK Singh, Rifat Jabeen – Critical Reviews In Food Science And Nutrition 56 (16), 2016.

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Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF FOOD TECHNOLOGY

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "FUNCTIONAL FOOD AND NUTRACEUTICALS" for Seventh semester students from 19.09.22 to 23.09.22.The interested students are asked to enroll their names to the course coordinator M.MONICA , AP/FT on or before 19.09.22.

Course Coordinators: 1. M. MONICA, AP/FT

2. C. MALAICHAMY, AP/FT

HOD/FT

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(AUTONOMOUS)

DEPARTMENT OF FOOD TECHNOLOGY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV/VII

Name of the course: 22FTVC701- FUNCTIONAL FOOD AND NUTRACEUTICALS

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
1.	19203001	AADHAVAN.A	P	P	P	P	P
2.	19203002	ABDULRAHEEM.M	P	P	P	P	P
3.	19203003	AKSHAY KRISHNA.A.J	P	P	P	P	P
4.	19203004	ALEXSAMY.I	P	P	P	P	P
5.	19203005	ANAND.N	P	P	P	P	P
6.	19203006	BHUVANESHWARI.M	P	P	P	P	P
7.	19203007	DHANYA.K	P	P	P	P	P
8.	19203008	DOREA JOSHY	P	P	P	P	P
9.	19203009	GIRIJA.S	P	P	P	P	P
10.	19203010	HARIHARAN.A.R	P	P	P	P	P
11.	19203011	IMAYAVAN.G	P	P	P	P	P
12.	19203012	JOEL.K	P	P	P	P	P
13.	19203013	KARTHICK AJAY.B	P	P	P	P	P
14.	19203014	KAVIYA.B	P	P	P	P	P
15.	19203015	KRISHNAVENI.M	P	P	P	P	P
16.	19203016	LOGAPRIYA.V	P	P	P	P	P
17.	19203017	MOHAMED MUFARIZ.M	P	P	P	P	P
18.	19203018	MUKESH KUMAR.C	P	P	P	P	P

S.No	Register Number	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
19.	19203019	MUTHUSELVI.R	P	P	P	P	P
20.	19203020	NANDHINI.A	P	P	P	P	P
21.	19203021	NANDHINI.B	P	P	P	P	P
22.	19203022	NAVEENA.D	P	P	P	P	P
23.	19203023	NEELAKANDAN.M	P	P	P	P	P
24.	19203024	NIFA.S	P	P	P	P	P
25.	19203025	NILAA.G.I	P	P	P	P	P
26.	19203026	PRAVEENKUMAR.V	AB	AB	AB	AB	AB
27.	19203027	PRIYADHARSHINI.R	P	P	P	P	P
28.	19203028	RAMYA.N	P	P	P	P	P
29.	19203029	SACINTHRA.A	P	P	P	P	P
30.	19203030	SAMITHA RAJ.S.S	P	P	P	P	P
31.	19203031	SARAN BABU.S	P	P	P	P	P
32.	19203032	SHINYGRACE.S	P	P	P	P	P
33.	19203033	SIVA HARISH.M	P	P	P	P	P
34.	19203034	SIVASAKTHI.S	P	P	P	P	P
35.	19203035	SIVASHANKAR.C	P	P	P	P	P
36.	19203036	SOWMIYA.J.S	P	P	P	P	P
37.	19203037	SUVETHA.M	P	P	P	P	P
38.	19203038	VINYA.V	P	P	P	P	P
39.	19203039	WASIMAKRAM.A	P	P	P	P	P
40.	19203040	YASWANTH.S	P	P	P	P	P

Course Coordinators

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

ALEXSAMY I

of Paavai Engineering College, studying in Four **year** has successfully completed the Value added Course 22FTVC701 –FUNCTIONAL FOOD AND NUTRACEUTICALS. The duration of the Course is 30 hours .**(19/09/2022 to 23/09/2022)** .

Course Incharge

HoD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

YASWANTH S

of Paavai Engineering College, studying in Four **year** has successfully completed the Value added Course 22FTVC701 –FUNCTIONAL FOOD AND NUTRACEUTICALS. The duration of the Course is 30 hours .**(19/09/2022 to 23/09/2022)** .

Course Incharge

HoD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

NIFA S

of Paavai Engineering College, studying in Four year has successfully completed the Value added Course 22FTVC701 –FUNCTIONAL FOOD AND NUTRACEUTICALS. The duration of the Course is 30 hours .(19/09/2022 to 23/09/2022) .

Course Incharge

HoD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

SIVA HARISH M

of Paavai Engineering College, studying in Four year has successfully completed the Value added Course 22FTVC701 –FUNCTIONAL FOOD AND NUTRACEUTICALS. The duration of the Course is 30 hours .(19/09/2022 to 23/09/2022) .

Course Incharge

HoD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

SARAN BABU S

of Paavai Engineering College, studying in Four **year** has successfully completed the Value added Course 22FTVC701 –FUNCTIONAL FOOD AND NUTRACEUTICALS. The duration of the Course is 30 hours .**(19/09/2022 to 23/09/2022)** .

Course Incharge

HoD

Principal

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna University & AICTE, New Delhi)

Namakkal - 637018

DEPARTMENT OF FOOD TECHNOLOGY

Cordially invite you to the value-added course on

22FTVC801 - FOOD MATERIAL SCIENCE

on March 27th to 31st 2023
Venue: T205

Course Coordinators

1. V. THABITHA ZELIN RACHEL, AP/FT

2. R. RAJESWARI, AP/FT

Head of the Department

S. KAILASH

Dr. M. Premkumar
Principal

All Department Faculty Members & Students

Invite you one and all

22FTVC801 **FOOD MATERIAL AND SCIENCE**

COURSES OBJECTIVES

To enable the students to

- Understand the properties and composition of various food materials.
- the principle behind food processing techniques and their effects on food Learn materials.
- Gain knowledge of food safety regulations and practices related to handling and storing food materials.

COURSES OUTCOME

At the end this course, students will be able to

- Identify and analyze different food materials based on their properties and composition.
- Apply various food processing techniques effectively to enhance food quality and safety.
- Demonstrate understanding of food safety regulations and implement proper handling and storage practices for food materials.

UNIT-1 INTRODUCTION TO FOOD MATERIALS AND SCIENCE **10**

Definition and scope of food material and science, Importance of understanding the food industry and research, Food composition and structure- Macronutrients (Carbohydrates, Proteins, Lipids), Chemical composition of common food materials and structural organization of food components.

UNIT – 2 MATERIALS OF FOOD PRESERVATION AND SHELF LIFE **10**

Principle of food preservation - Low temperature, Dehydration, Fermentation. Factors affecting food spoilage - Microbial, Enzymatic, Chemical. Food processing technologies- Thermal Processing- Pasteurization, Sterilization; Non-Thermal Processing - Ultrasound, High Pressure Processing; Novel Food Processing Techniques - Pulsed Electric Field, Irradiation.

UNIT – 3 FOOD MATERIALS ANALYSIS AND QUALITY ASSURANCE **10**

Analytical techniques for food material characterization - Spectroscopy, Chromatography, Microscopy. Quality parameters in food material – Sensory evaluation, Nutritional analysis, Safety assessments. Food regulations and standards – FDA, USDA, CODEX Alimentarius. Methods for extending shelf life of food material – Packaging, Additives, Controlled atmosphere storage.

Total: 30 Hours

TEXT BOOKS

1. Food Materials Science: Principles And Practice By Miltiadis Z. Chatzidimitiou, Peter J. Lillford, UK, (2014)
2. Food Materials Science And Engineering By Bhesh Bhandari, Queensland, (2012)

REFERENCE

1. Aspects Of Material Science In Food Processing, H. Kunzek, R. Kabbert & D. Gloyna, Germany, (1999).
2. Food Science : Fifth Edition, By Norman N. Potter, Joseph H. Hotchkiss, (2012).

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

Affiliated to Anna University Chennai and approved by AICTE, New Delhi.

Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF FOOD TECHNOLOGY

DATE: 21.03.23

CIRCULAR

It is planned to conduct Five Days Value Added Course on "FOOD MATERIAL SCIENCE" for Eighth semester students from 27.03.23 to 31.03.23. The interested students are asked to enroll their names to the course coordinator V.THABITHA ZELIN RACHEL, AP/FT on or before 27.03.23.

Course Coordinators: 1. V. THABITHA ZELIN RACHEL AP/FT

2. R. RAJESWARI AP/FT

HOD/FT

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF FOOD TECHNOLOGY TECHNOLOGY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV/VIII

Name of the course: 22FTVC801 - FOOD MATERAIL SCIENCE

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
1.	19203001	AADHAVAN.A	P	P	P	P	P
2.	19203002	ABDULRAHEEM.M	P	P	P	P	P
3.	19203003	AKSHAY KRISHNA.A.J	P	P	P	P	P
4.	19203004	ALEXSAMY.I	P	P	P	P	P
5.	19203005	ANAND.N	P	P	P	P	P
6.	19203006	BHUVANESHWARI.M	P	P	P	P	P
7.	19203007	DHANYA.K	P	P	P	P	P
8.	19203008	DOREA JOSHY	P	P	P	P	P
9.	19203009	GIRIJA.S	P	P	P	P	P
10.	19203010	HARIHARAN.A.R	P	P	P	P	P
11.	19203011	IMAYAVAN.G	P	P	P	P	P
12.	19203012	JOEL.K	P	P	P	P	P
13.	19203013	KARTHICK AJAY.B	P	P	P	P	P
14.	19203014	KAVIYA.B	P	P	P	P	P
15.	19203015	KRISHNAVENI.M	P	P	P	P	P
16.	19203016	LOGAPRIYA.V	P	P	P	P	P
17.	19203017	MOHAMED MUFARIZ.M	P	P	P	P	P
18.	19203018	MUKESH KUMAR.C	P	P	P	P	P

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
19.	19203019	MUTHUSELVI.R	P	P	P	P	P
20.	19203020	NANDHINI.A	P	P	P	P	P
21.	19203021	NANDHINI.B	P	P	P	P	P
22.	19203022	NAVEENA.D	P	P	P	P	P
23.	19203023	NEELAKANDAN.M	AB	AB	AB	AB	AB
24.	19203024	NIFA.S	P	P	P	P	P
25.	19203025	NILAA.G.I	P	P	P	P	P
26.	19203026	PRAVEENKUMAR.V	P	P	P	P	P
27.	19203027	PRIYADHARSHINI.R	P	P	P	P	P
28.	19203028	RAMYA.N	P	P	P	P	P
29.	19203029	SACINTHRA.A	P	P	P	P	P
30.	19203030	SAMITHA RAJ.S.S	P	P	P	P	P
31.	19203031	SARAN BABU.S	P	P	P	P	P
32.	19203032	SHINYGRACE.S	P	P	P	P	P
33.	19203033	SIVA HARISH.M	P	P	P	P	P
34.	19203034	SIVASAKTHI.S	P	P	P	P	P
35.	19203035	SIVASHANKAR.C	P	P	P	P	P
36.	19203036	SOWMIYA.J.S	P	P	P	P	P
37.	19203037	SUVETHA.M	P	P	P	P	P
38.	19203038	VINYA.V	P	P	P	P	P
39.	19203039	WASIMAKRAM.A	P	P	P	P	P
40.	19203040	YASWANTH.S	P	P	P	P	P

Course Coordinators

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

JOEL K

of Paavai Engineering College, studying in Final year has successfully completed the Value added Course 22FTVC801 –FOOD MATERIAL SCIENCE. The duration of the Course is 30 hours . (27/03/2023 to 31/03/2023) .

Course Incharge

HoD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

LOGAPRIYA V

of Paavai Engineering College, studying in Final year has successfully completed the Value added Course 22FTVC801 –FOOD MATERIAL SCIENCE. The duration of the Course is 30 hours . (27/03/2023 to 31/03/2023) .

Course Incharge

HoD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

VINYA V

of Paavai Engineering College, studying in Final year has successfully completed the Value added Course 22FTVC801 –FOOD MATERIAL SCIENCE. The duration of the Course is 30 hours . (27/03/2023 to 31/03/2023) .

Course Incharge

HoD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

RAMYA N

of Paavai Engineering College, studying in Final year has successfully completed the Value added Course 22FTVC801 –FOOD MATERIAL SCIENCE. The duration of the Course is 30 hours . (27/03/2023 to 31/03/2023) .

Course Incharge

HoD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Food Technology

CERTIFICATE

This is to certify that

KAVIYA B

of Paavai Engineering College, studying in Final year has successfully completed the Value added Course 22FTVC801 –FOOD MATERIAL SCIENCE. The duration of the Course is 30 hours . (27/03/2023 to 31/03/2023) .

Course Incharge

HoD

Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "MOBILE APP DEVELOPMENT" for Third semester students from 19.09.22 to 23.09.22.The interested students are asked to enroll their names to the course coordinator M.PUSHPALATHA, ASP/IT on or before 19.09.22.

Course Coordinators: 1. M.PUSHPALATHA, ASP/IT

2. M.BABYLATHA, AP/IT

HOD/IT

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PAAVAI ENGINEERING COLLEGE

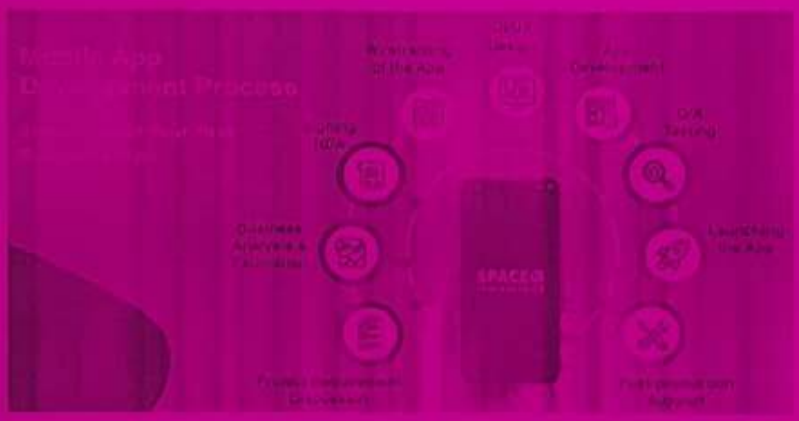
(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

221IVC301 & MOBILE APP DEVELOPMENT

Mobile application development is the process of making software for smartphones, tablets and digital assistants, most commonly for the Android and iOS operating systems. The software can be preinstalled on the device, downloaded from a mobile app store or accessed through a mobile web browser



COURSE CONTENT

- Introduction
- Android Applications And Files
- User And Design
- Testing & Resources
- Android World

INTENDED AUDIENCE:

- **II Year** of B.E/B.Tech Students

Date: 19.09.22 to 23.09.22

Venue: T220

COURSE COORDINATORS

1. M.PUSHPALATHA,ASP/IT
2. M.BABYLATHA,AP/IT

22ITVC301 MOBILE APP DEVELOPMENT

COURSES OBJECTIVES

To enable the students to

- make students understand the role of mobile app development in helping Organizations achieve their goals.
- help students to gain a basic understanding of Android application development.
- inculcate working knowledge of Android Studio development tool.
- understand and manage permissions required by Android applications.
- handle different types of resources such as images, strings, etc., effectively.

UNIT-I INTRODUCTION

Introduction to Android: The Android Platform, Android SDK, Eclipse Installation, Android Installation, Building you First Android application, Understanding Anatomy of Android Application, Android Manifest file.

UNIT – II ANDROID APPLICATION and FILES

Android Application Design Essentials: Anatomy of an Android applications, Android terminologies, Application Context, Activities, Services, Intents, Receiving and Broadcasting Intents, Android Manifest File and its common settings, Using Intent Filter, Permissions.

UNIT – III USER and DESIGN

Android User Interface Design Essentials: User Interface Screen elements, Designing User Interfaces with Layouts, Drawing and Working with Animation.

UNIT – IV TESTING & RESOURCES

Testing Android applications, Publishing Android application, Using Android preferences, Managing Application resources in a hierarchy, working with different types of resources.

UNIT – V ANDROID WORLD

Using Common Android APIs: Using Android Data and Storage APIs, Managing data using Sqlite, Sharing Data between Applications with Content Providers, Using Android Networking APIs, Using Android Web APIs, Using Android Telephony APIs, Deploying Android Application to the World.

TOTAL PERIODS 30

COURSE OUTCOMES:

At the end of this course, students will be able to

- identify various concepts of mobile programming that make it unique from programming for other platforms
- critique mobile applications on their design pros and cons
- utilize rapid prototyping techniques to design and develop sophisticated mobile interfaces
- program mobile applications for the Android operating system that use basic and advanced phone features, and Deploy applications to the Android marketplace for distribution
- develop skills in designing user-friendly interfaces and incorporating animations.

TEXT BOOKS

1. Lauren Darcey and Shane Conder, "Android Wireless Application Development", Pearson Education.2nd ed. (2011)

REFERENCES

1. "Head First Android Development: A Brain-Friendly Guide" by Dawn Griffiths and David Griffiths.

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/III

Name of the course: 22ITVC301- MOBILE APP DEVELOPMENT

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
1.	622121202001	ABINAYA.S	/	/	/	/	/
2.	622121202002	AHMED-AL-AMEEN.S	/	/	AB	/	/
3.	622121202003	AKASH.S	/	/	/	/	/
4.	622121202004	AMRUTHPRASATH.S.R	/	/	/	/	/
5.	622121202005	ARUNACHALAM.A	/	/	/	/	/
6.	622121202006	BHARATH.N	/	/	/	/	/
7.	622121202007	CHANDRU.R	/	/	/	/	/
8.	622121202008	DHANALAKSHMI.K	/	/	/	/	/
9.	622121202009	DHANUSH RAJ.L	/	/	/	/	/
10.	622121202010	DHANUSH.U	/	/	/	/	/
11.	622121202011	DHARSHAN.A	/	/	/	/	/
12.	622121202012	DHIVYA.M	/	/	/	/	/
13.	622121202013	DINESHRAM.K	/	/	/	/	/
14.	622121202014	ESWAR.C	AB	AB	AB	AB	/
15.	622121202015	ESWARAN.S	/	/	/	/	/
16.	622121202016	GANESHA.R.S	AB	AB	AB	AB	AB
17.	622121202017	GOBI.N	/	/	/	/	/
18.	622121202018	GOKUL RAJ .B	/	AB	/	/	/

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
19.	622121202019	GUKULNATH.S	/	/	/	/	/
20.	622121202020	HARISH.A	/	/	/	/	/
21.	622121202021	HARSITHA.S.A	/	/	/	/	/
22.	622121202022	JANANI.S	/	/	/	/	/
23.	622121202023	JEEVIKA.S	/	/	/	/	/
24.	622121202024	KANISHKA.K	/	/	/	/	/
25.	622121202025	KARTHIGA.J	/	/	/	/	/
26.	622121202026	KARTHIKA.M	/	/	/	/	/
27.	622121202027	KAVIYARASAN.M	AB	AB	AB	AB	/
28.	622121202028	LOGAPRIYAN.C	/	/	AB	/	/
29.	622121202029	MURALEEDHARAN.A.S	/	/	/	/	/
30.	622121202030	PARIVALAVAN.M	/	/	/	/	/
31.	622121202031	POOVARASAN.B	/	/	/	/	/
32.	622121202032	PRABAKARAN.A	/	/	/	/	/
33.	622121202033	PREETHI.P	/	/	/	/	/
34.	622121202035	PRIYADHARSHINI.K	/	/	/	/	/
35.	622121202036	RAKSHANA.B.N	/	/	/	/	/
36.	622121202037	RAMYA SHREE.G	/	/	/	/	/
37.	622121202038	REEMA.N	/	/	/	/	/
38.	622121202040	SABARISH.S	/	/	/	/	/
39.	622121202041	SANTHOSHKUMAR.K	/	/	/	/	/
40.	622121202042	SARITHA. V	/	/	/	/	/
41.	622121202043	SHANMUGAM.D	/	/	/	/	/
42.	622121202044	SHARMILA.S	/	/	/	/	/

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
43.	622121202045	SHYAM SUNDAR.V	AB	AB	AB	AB	AB
44.	622121202046	SRIKANTH.M	/	/	/	/	/
45.	622121202047	SRINITHI.P	/	/	/	/	/
46.	622121202048	SRIPRIYAN.C	/	/	/	/	/
47.	622121202049	STEPHEN RAJ.R	/	/	/	/	/
48.	622121202050	SUJITH.E	/	/	/	/	/
49.	622121202051	SURYARAJ.J.G	/	/	/	/	/
50.	622121202052	SUVIN KUMAR.N	/	/	/	/	/
51.	622121202053	SWARNA.K	/	/	/	/	/
52.	622121202054	THARUN.S	/	/	/	/	/
53.	622121202055	THENNARASU.S	AB	AB	AB	AB	/
54.	622121202056	THIRUMAHAL.J	/	/	/	/	/
55.	622121202057	UDHAYA GANESH.P	/	/	/	/	/
56.	622121202058	UDHAYAMOORTHY.G	/	/	/	/	/
57.	622121202059	VELMURUGAN.M	AB	AB	AB	/	AB
58.	622121202060	VIGNESH.S	/	/	/	/	/
59.	622121202061	VINOTH.R	/	/	/	/	/
60.	622121202062	VISHNU PRASANTH.C	/	/	/	/	/
61.	622121202063	YOGESH.M.S	/	/	/	/	/

Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

CHANDRU R

of Paavai Engineering College, studying in **Second** Year has successfully completed the Value-added Course **"MOBILE APP DEVELOPMENT"**. The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

ESWARAN S

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course **"MOBILE APP DEVELOPMENT"**. The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

JEEVIKA S

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course **"MOBILE APP DEVELOPMENT"**. The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

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NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

PRIYADHARSHINI K

of Paavai Engineering College, studying in **Second Year** has successfully completed the Value-added Course **"MOBILE APP DEVELOPMENT"**. The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

SRINITHI P

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course **"MOBILE APP DEVELOPMENT"**. The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "SOCIAL MEDIA AND WEB ANALYTICS" for Fifth semester students from 19.09.22 to 23.09.22.The interested students are asked to enroll their names to the course coordinator P. ANITHA, AP/IT on or before 19.09.22

Course Coordinators: 1. Dr.G.MADASAMY RAJA, ASP/IT

2. P.ANITHA, AP/IT

HOD/IT

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

22ITVC501 & SOCIAL MEDIA AND WEB ANALYTICS

Social media analytics is the collection and analysis of data shared on social channels to measure the performance of your social media accounts — and improve your strategies. A typical social media analytics report looks like this.

COURSE CONTENT

- Introduction to Social Media & Web Analytics
- Social Media Analytics
- Web Metrics And Web Analytics
- Data Analysis Language And Tools
- Case Analysis

INTENDED AUDIENCE:

- **III Year of B.E/B.Tech Students**

Date: 19.09.22 to 23.09.22

Venue: Online (Microsoft teams)

COURSE COORDINATORS

1.Dr.G.MADASAMY RAJA, ASP/IT

2. P.ANITHA, AP/IT

22ITVC501 **SOCIAL MEDIA AND WEB ANALYTICS**

COURSE OBJECTIVES

To enable the students to

- make students understand the role of social media data and analytics in helping Organizations achieve their goals
- enable students to provide actionable and strategic recommendations based on thorough social media data analysis
- make students decode data and arrive at an effective social media strategy
- understand the fundamental concepts and principles of social media and web analytics.
- explore data analysis tools and programming languages for web and social media analytics, such as Google Analytics and R.

UNIT I INTRODUCTION TO SOCIAL MEDIA & WEB ANALYTICS

Web sites, web apps, mobile apps and social media - Usability, user experience, customer experience, customer sentiments, web marketing, conversion rates, ROI, brand reputation, competitive advantages Web analytics and Web analytics 2.0 framework (clickstream, multiple outcomes analysis, experimentation and testing, voice of customer, competitive intelligence, Insights).

UNIT II SOCIAL MEDIA ANALYTICS

Social media KPIs (reach and engagement) - Performing social media analytics (business goal, KPIs, data gathering, analysis, measure and feedback).

UNIT III WEB METRICS AND WEB ANALYTICS

Pulse Metrics - Page views, Uptime, Latency, Seven-day active users) on business and technical issues Heart Metrics - Happiness, Engagement, Adoption, Retention, and Task success) on user behaviour issues; On-site web analytics, off-site web analytics, the goal- signal-metric process.

UNIT IV DATA ANALYSIS LANGUAGE AND TOOLS

Ready-made tools for Web and social media analytics - Key Google Analytics metrics, dashboard, social reports Statistical programming language (R), its graphical development environment (Deducer) for data exploration and analysis, and its social media analysis packages (R GoogleTrends, twitteR).

UNIT V CASE ANALYSIS

User experience measurement cases and Web analytics cases

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- examine web and social media analytics and their potential impact
- analyse the data generated from questionnaire surveys, Web and social media Tracking tools
- examine the various web analytics processes and metrics used to measure Online success.
- analyse social media data(e.g. Facebook, Twitter, and Instagram) using social Media measurement tools.
- test data such as user experience and social Media comments to understand the Sentiments of the customers.

TEXT BOOKS

1. "Social Media and Web Analytics" by Albena Antonova
2. "Social Media Analytics: Effective Tools for Building, Interpreting, and Using Metrics" by Marshall Sponder

REFERENCES

1. "Web Analytics 2.0: The Art of Online Accountability and Science of Customer Centricity" by Avinash Kaushik

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III V

Name of the course: 22ITVC501- SOCIAL MEDIA AND WEB ANALYTICS

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
1.	20202001	AISHWARYA.S	AB	AB	AB	AB	AB
2.	20202002	AJAY.A	/	/	/	/	/
3.	20202003	ANTONY JAYANELSON.J	/	/	/	/	/
4.	20202004	ATCHAYA.M	/	/	/	/	/
5.	20202005	BALESHWARAN.D	/	/	/	/	/
6.	20202006	BARATH KUMAR.S	/	/	/	/	/
7.	20202007	BARATH.S	/	/	/	/	/
8.	20202008	BOWTHIKA.K	/	/	AB	/	/
9.	20202009	CHANDRAMENON.E	/	/	/	/	/
10.	20202011	CHIRANJEEVI.S	/	/	/	/	/
11.	20202012	DEVADARSHINI.S	/	/	/	/	/
12.	20202013	DEVADHARSHINI.R	/	/	/	/	/
13.	20202014	DHANUSH KUMAR.S	/	/	/	/	/
14.	20202015	DHIVYAPRIYA.K	/	/	/	/	AB
15.	20202016	DINESHKUMAR.G	/	/	/	/	/
16.	20202017	DURGADEVI.R	AB	AB	AB	AB	/
17.	20202018	ELAVARASAN.A	/	/	/	/	/
18.	20202019	GOWTHAM.D	/	/	/	/	/

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
19.	20202020	GUNASEELAN.S	/	/	AB	/	/
20.	20202021	HARSINI.S	/	/	/	/	/
21.	20202022	JAWAHAR.E	/	/	/	/	/
22.	20202023	JAYAKRISHNAN.V	/	/	/	/	/
23.	20202024	JEEVANATH.P	/	/	/	/	/
24.	20202025	KAMATCHI PRIYA.D	/	/	/	/	/
25.	20202026	KANDHASAMY.V	/	/	/	/	/
26.	20202027	KARRAN.J	AB	AB	AB	/	AB
27.	20202028	KOWSHIKA.E	/	/	/	/	/
28.	20202029	LOKESH.S	/	/	/	/	/
29.	20202030	NADANASIVAM.A	/	/	/	/	/
30.	20202031	NARESH.A.P	/	/	/	/	/
31.	20202032	NAVEENKUMAR.A	/	/	AB	/	/
32.	20202033	NAVEEN.A	/	/	/	/	/
33.	20202034	NITHEESHWARAN.S.M	/	/	/	/	/
34.	20202035	PANDI.C	/	/	/	/	/
35.	20202036	PARTHIBAN.M	/	/	/	/	/
36.	20202037	PRIYADHARSHINI.B	/	/	/	/	/
37.	20202038	RAGHUL.A	/	/	/	/	/
38.	20202040	RAJESWARAN.T	/	/	/	/	/
39.	20202042	RAMANI.S	/	/	/	/	/
40.	20202043	RITHIKA.S	/	/	AB	/	/
41.	20202044	SABARESH.M	/	/	/	/	/
42.	20202045	SAM.P	AB	AB	AB	AB	/
43.	20202046	SANTHOSH KUMAR.A	/	/	/	/	/

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
44.	20202047	SANTHOSH KUMAR.G	/	/	/	/	/
45.	20202048	SELVAMANI.S	/	/	/	/	/
46.	20202049	SHABARIE.S	/	/	/	/	/
47.	20202050	SHARMILA.K	/	/	/	AB	/
48.	20202051	SNEKA.C	/	/	/	/	/
49.	20202052	SOWMEYA.B	/	/	/	/	/
50.	20202053	SOWMIYA.K	/	/	/	/	/
51.	20202054	SRIRAM.K	/	/	/	/	/
52.	20202055	SUDHAN.B	/	/	/	/	/
53.	20202056	SWETHA.V	/	/	/	AB	/
54.	20202057	VASEEKARAN.M	/	/	/	/	/
55.	20202058	VIGNESH KUMAR.R	/	/	/	/	/
56.	20202059	VIJAYA RAGHAVAN.S.P	/	/	/	/	/
57.	20202060	VIKRAM RAJA.S	/	AB	/	/	/
58.	20202061	VIKRAM.M	/	/	/	/	/
59.	20202062	VIMAL KUMAR.K	/	/	/	/	/
60.	20202301	GOPINATH.N	/	/	/	/	/
61.	20202303	SNEHA. R	/	/	/	/	/
62.	20202304	SUDHAN.R.J	AB	AB	AB	AB	AB
63.	20202305	THARANI. B	/	/	/	/	/
64.	20202306	VIDYAWATHI. S	/	/	/	/	/

Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

ATCHAYA M

of Paavai Engineering College, studying in **Third Year** has successfully completed the Value-added Course **"SOCIAL MEDIA AND WEB ANALYTICS"**. The duration of the course is 30 hours **(19/09/2022 to 23/09/2022)**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

SUDHAN B

of Paavai Engineering College, studying in **Third Year** has successfully completed the Value-added Course **"SOCIAL MEDIA AND WEB ANALYTICS"**. The duration of the course is 30 hours **(19/09/2022 to 23/09/2022)**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

PRIYADHARSHINI B

of Paavai Engineering College, studying in **Third Year** has successfully completed the Value-added Course **"SOCIAL MEDIA AND WEB ANALYTICS"**. The duration of the course is 30 hours **(19/09/2022 to 23/09/2022)**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

GOWTHAM D

of Paavai Engineering College, studying in **Third Year** has successfully completed the Value-added Course **"SOCIAL MEDIA AND WEB ANALYTICS"**. The duration of the course is **30 hours (19/09/2022 to 23/09/2022)**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

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NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

CHANDRAMENON E

of Paavai Engineering College, studying in **Third Year** has successfully completed the Value-added Course **"SOCIAL MEDIA AND WEB ANALYTICS"**. The duration of the course is 30 hours **(19/09/2022 to 23/09/2022)**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "REACT JS" for Seventh semester students from 19.09.22 to 23.09.22.The interested students are asked to enroll their names to the course coordinator N.HEMALATHA, AP/IT on or before 19.09.22.

Course Coordinators: 1. N.HEMALATHA, AP/IT

2. V.SARAVANABHAVAN, AP/IT

HOD/IT

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PAAVAI ENGINEERING COLLEGE

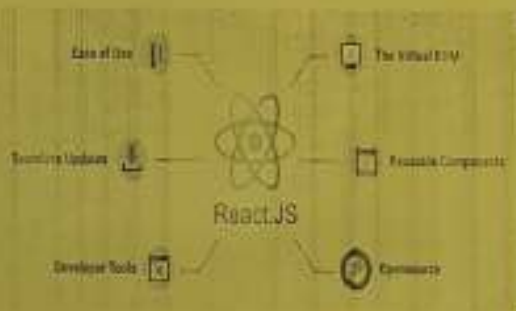
(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

22ITVC701 & REACT JS

React is a JavaScript library for building user interfaces. React is used to build single-page applications. React allows us to create reusable UI components. React. js is an open-source JavaScript library, crafted with precision by Facebook, that aims to simplify the intricate process of building interactive user interfaces.



COURSE CONTENT

- Getting Started With React JS
- Components In React JS
- State Management In React JS

INTENDED AUDIENCE:

- **IV Year of B.E/B.Tech Students**

Date: 19.09.22 to 23.09.22

Venue: CUTE HALL

COURSE COORDINATORS

1. N.HEMALATHA, AP/IT
2. V.SARAVANABHAVAN, AP/IT

22ITVC701 REACT JS

COURSES OBJECTIVES

- understand the core concepts and principles of React.js.
- explore advanced component features such as props and state.
- practice implementing data flow patterns such as props drilling and context API.

UNIT I GETTING STARTED WITH REACT.JS

Introduction to React.js and its features-Installing Node.js and npm-Creating a new React.js-project using Create React App-Exploring the project structure.

UNIT II COMPONENTS IN REACT.JS

Understanding components and their role in React.js-Creating functional and class components-Passing props to components-Composing components together.

UNIT III STATE MANAGEMENT IN REACT.JS

Understanding state and its importance in React.js-Using useState hook for managing component state-Modifying state using setState method-Handling user input and updating state

TOTAL PERIODS 30

COURSES OUTCOMES

At the end this course, students will be able to

- develop dynamic and interactive web applications using React.js.
- understand the concept of components and how to compose them to build complex UIs.
- manage application state efficiently using React.js built-in features.

TEXT BOOKS

1. "Learning React: A Hands-On Guide to Building Web Applications Using React and Redux",Kirupa Chinnathambi byAddison-Wesley Professional

REFERENCES

1. "Learning React: A Hands-On Guide to Building Web Applications Using React and Redux" Kirupa Chinnathambi, 2018.

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV/VII

Name of the course: 22ITVC701- REACT JS

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
1.	19202001	ALEN.A	AB	AB	AB	AB	AB
2.	19202002	AMULYA.V	/	/	/	/	/
3.	19202003	ANBARASAN.N	AB	AB	AB	AB	/
4.	19202004	ARIVUSELVAN.M	/	/	/	/	/
5.	19202005	ARUN.V	/	/	/	/	/
6.	19202006	BALAJI.V.M	/	/	/	/	/
7.	19202007	BHUVANESHWARAN.P	/	/	/	/	/
8.	19202008	CHARU LATHA.R	/	/	/	/	/
9.	19202009	DHARUN KUMAR.S	/	/	AB	/	/
10.	19202010	DINESH KUMAR.V	/	/	/	/	/
11.	19202011	DINESH RAGUL.S	/	/	/	/	/
12.	19202012	ELUMALAI.S	/	/	/	/	/
13.	19202013	EZHUMALAI.M	/	/	/	/	/
14.	19202014	GOKULAKANNAN.M	/	/	/	/	/
15.	19202015	GOKULAVANAN.P	/	/	/	/	/
16.	19202017	HARIPRASTH.P	/	/	/	/	/
17.	19202018	HEMKANTH.P	AB	AB	AB	/	AB
18.	19202019	HERAMBHA PRASATH.S	/	/	/	/	/

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
19.	19202020	JAYAGANESH.K	/	/	/	/	/
20.	19202021	KABILASH BALAJI.M	/	/	/	/	/
21.	19202022	KING DINAKARAN.R.K	AB	AB	AB	AB	/
22.	19202023	KISHORE.M	/	/	/	/	/
23.	19202024	LOGESH.R	/	/	/	/	/
24.	19202025	LOGESHWARAN.M	/	/	/	/	/
25.	19202026	LOGESHWARAN.S	AB	AB	AB	AB	AB
26.	19202027	MANO RANJANI.S	/	/	/	/	/
27.	19202028	MITHRA.M	/	/	/	/	/
28.	19202029	MOHAMMED RIYAZ.A	/	/	/	/	/
29.	19202030	MONIKA.K.E	/	/	/	/	/
30.	19202031	MUGUNTHAN.R	/	/	/	/	/
31.	19202032	MUKUNTHAN.M	/	/	/	/	/
32.	19202034	NAVEEN.E	/	/	/	/	AB
33.	19202035	NIRANJANKUMAR.T	/	/	AB	/	/
34.	19202036	NIVETHA S.L	/	/	/	/	/
35.	19202037	PARTHASARATHI.T	/	/	/	/	/
36.	19202038	PAVEENA.K	/	/	/	/	/
37.	19202039	PAVITHRA.V.M	/	/	/	/	/
38.	19202040	PRADEEP.P	/	/	/	/	/
39.	19202041	PRAKASH.G	/	/	/	/	/
40.	19202042	PRAVEEN KUMAR.K	AB	AB	AB	AB	AB
41.	19202043	PREMKUMAR.J	/	/	/	/	/
42.	19202044	RAGHUL.N	/	/	/	/	/
43.	19202045	RAVEENA.M	/	/	/	/	/

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
44.	19202046	RISHI KESHWAR	AB	AB	AB	AB	AB
45.	19202047	SANJAY.R.S	/	/	/	/	/
46.	19202049	SATHISHKUMAR.S	/	/	/	/	/
47.	19202050	SATHYAA.B.B.	/	/	/	/	/
48.	19202051	SIDDARTH.M	/	/	/	/	/
49.	19202052	SIVA.P	/	/	AB	/	/
50.	19202053	SNEHA.B	/	/	/	/	/
51.	19202054	SRIDHARAN.R.S	/	/	/	/	/
52.	19202055	SUNIL RAJ.T	/	/	/	/	/
53.	19202056	SWEEDHA.R	/	/	/	/	/
54.	19202057	VARUN PRASATH.K	/	/	/	/	/
55.	19202058	VASANTH.M	AB	AB	/	AB	AB
56.	19202059	VEERA RAGAVAN.G	/	/	/	/	/
57.	19202060	VENKATESH.S	AB	AB	AB	AB	AB
58.	19202061	VIGNESH.S	/	/	/	/	/
59.	19202062	VIGNESHWARAN.P	/	/	/	/	/
60.	19202063	YOGALAKSHMI.S	/	/	/	/	/
61.	19202301	KARTHICK.S	/	/	/	/	AB

Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

CHARULATHA R

of Paavai Engineering College, studying in **Final** Year has successfully completed the Value-added Course **"REACT JS"**. The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

ARUN V

of Paavai Engineering College, studying in **Final** Year has successfully completed the Value-added Course **"REACT JS"**. The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

SANJAY R S

of Paavai Engineering College, studying in **Final** Year has successfully completed the Value-added Course **"REACT JS"**. The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

NIVETHA S L

of Paavai Engineering College, studying in Final Year has successfully completed the Value-added Course **"REACT JS"**. The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

JAYAGANESH K

of Paavai Engineering College, studying in Final Year has successfully completed the Value-added Course **"REACT JS"**. The duration of the course is 30 hours

(19/09/2022 to 23/09/2022)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 21.03.2023

CIRCULAR

It is planned to conduct Five Days Value Added Course on "LINUX OS" for Fourth semester students from 27.03.23 to 31.03.23.The interested students are asked to enroll their names to the course coordinator M.BABYLATHA, AP/IT on or before 27.03.23.

Course Coordinators: 1. Dr.B.VENKATESAN, HOD/IT

2. M.BABYLATHA, AP/IT

HOD/IT

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

22ITVC401 & LINUX OS

The Linux Operating System is a type of operating system that is similar to Unix, and it is built upon the Linux Kernel. The Linux Kernel is like the brain of the operating system because it manages how the computer interacts with its hardware and resources. It makes sure everything works smoothly and efficiently. But the Linux Kernel alone is not enough to make a complete operating system.

COURSE CONTENT

- Introduction to Linux And Linux Utilities
- Introduction to Shells
- Process And Signals

INTENDED AUDIENCE:

- **II Year of B.E/B.Tech Students**

Date: 27.03.23 to 31.03.23
Venue: Online (Microsoft teams)

COURSE COORDINATORS

1. Dr.B.VENKATESAN, HOD/IT

2. M.BABYLATHA, AP/IT

COURSES OBJECTIVES:

To enable the students to

- teach principles of operating system including File handling utilities, Security by file permissions, Process utilities, Disk utilities, Networking Commands, Basic Linux commands, Scripts and filters.
- familiarize fundamentals of the Bourne again shell (bash), shell programming, pipes, input and output redirection Control structures, arithmetic in shell interrupt processing, functions, debugging shell scripts.
- impart fundamentals of file concepts kernel support for file, File structure related system calls (file API's).

UNIT – I INTRODUCTION TO LINUX AND LINUX UTILITIES

A brief history of LINUX, architecture of LINUX, features of LINUX, introduction to vi editor. Linux commands- PATH, man, echo, printf, script, passwd, uname, who, date, stty, pwd, cd, mkdir, rmdir, ls, cp, mv, rm, cat, more, wc, lp, od, tar, gzip, file handling utilities, security by file permissions, process utilities, disk utilities, networking commands, unlink, du, df, mount, umount, find, unmask, ulimit, ps, w, finger, arp, ftp, telnet, rlogin.Text Processing utilities and backup utilities , tail, head , sort, nl, uniq, grep, egrep, fgrep, cut, paste, join, tee, pg, comm, cmp, diff, tr, awk, cpio

UNIT – II INTRODUCTION TO SHELLS

Linux Session, Standard Streams, Redirection, Pipes, Tee Command, Command Execution, Command- Line Editing, Quotes, Command Substitution, Job Control, Aliases, Variables, Predefined Variables, Options, Shell/Environment Customization.Filters: Filters and Pipes, Concatenating files, Display Beginning and End of files, Cut and Paste, Sorting, Translating Characters, Files with Duplicate Lines, Count Characters, Words or Lines, Comparing Files.

UNIT – III PROCESS AND SIGNALS

Process, process identifiers, process structure: process table, viewing processes, system processes, process scheduling, starting new processes: waiting for a process, zombie processes, orphan process, fork, vfork, exit, wait, waitpid, exec, signals functions, unreliable signals, interrupted system calls, kill, raise, alarm, pause, abort, system, sleep functions, signal sets. File locking: creating lock files, locking regions, use of read and write with locking, competing locks, other lock commands, deadlocks.

TOTAL PERIODS 30

COURSES OUTCOMES

At the end this course, students will be able to

- use various Linux commands that are used to manipulate system operations at admin level and a prerequisite to pursue job as a Network administrator.
- write Shell Programming using Linux commands.
- design and write application to manipulate internal kernel level Linux File System. Ability to develop IPC-API's that can be used to control various processes for synchronization.

TEXT BOOKS

1. W. Richard. Stevens (2005), Advanced Programming in the UNIX Environment, 3rd edition, Pearson Education, New Delhi, India.

REFERENCES

1. Unix and shell Programming Behrouz A. Forouzan, Richard F. Gilberg.Thomson

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/IV

Name of the course: 22ITVC401-LINUX OS

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
1.	622121202001	ABINAYA.S	/	/	/	/	/
2.	622121202002	AHMED-AL-AMEEN.S	/	/	/	/	/
3.	622121202003	AKASH.S	/	/	AB	/	/
4.	622121202004	AMRUTHPRASATH.S.R	/	/	/	/	/
5.	622121202005	ARUNACHALAM.A	/	/	/	/	/
6.	622121202006	BHARATH.N	/	/	/	/	/
7.	622121202007	CHANDRU.R	/	/	/	/	/
8.	622121202008	DHANALAKSHMI.K	/	/	/	/	/
9.	622121202009	DHANUSH RAJ.L	/	/	/	/	/
10.	622121202010	DHANUSH.U	/	/	/	/	/
11.	622121202011	DHARSHAN.A	AB	AB	AB	AB	AB
12.	622121202012	DHIVYA.M	/	/	/	/	/
13.	622121202013	DINESHRAM.K	/	/	/	/	/
14.	622121202014	ESWAR.C	/	/	/	AB	/
15.	622121202015	ESWARAN.S	/	/	/	/	/
16.	622121202016	GANESHA.R.S	AB	AB	AB	AB	/
17.	622121202017	GOBI.N	/	/	/	/	/
18.	622121202018	GOKUL RAJ .B	/	/	/	/	/

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
19.	622121202019	GUKULNATH.S	/	/	/	/	/
20.	622121202020	HARISH.A	/	AB	/	/	/
21.	622121202021	HARSITHA.S.A	/	/	/	/	/
22.	622121202022	JANANI.S	/	/	/	/	/
23.	622121202023	JEEVIKA.S	/	/	/	/	/
24.	622121202024	KANISHKA.K	/	/	/	/	/
25.	622121202025	KARTHIGA.J	/	/	/	/	/
26.	622121202026	KARTHIKA.M	/	/	/	/	/
27.	622121202027	KAVIYARASAN.M	/	/	/	/	/
28.	622121202028	LOGAPRIYAN.C	AB	AB	AB	AB	AB
29.	622121202029	MURALEEDHARAN.A.S	/	/	/	/	/
30.	622121202030	PARIVALAVAN.M	/	/	/	/	/
31.	622121202031	POOVARASAN.B	/	/	/	/	/
32.	622121202032	PRABAKARAN.A	/	/	/	/	/
33.	622121202033	PREETHI.P	/	/	/	/	/
34.	622121202035	PRIYADHARSHINI.K	/	/	/	/	/
35.	622121202036	RAKSHANA.B.N	/	/	/	/	/
36.	622121202037	RAMYA SHREE.G	/	/	/	/	/
37.	622121202038	REEMA.N	/	/	/	/	/
38.	622121202040	SABARISH.S	/	/	/	/	/
39.	622121202041	SANTHOSHKUMAR.K	AB	AB	/	AB	AB
40.	622121202042	SARITHA. V	/	/	/	/	/
41.	622121202043	SHANMUGAM.D	/	/	/	/	/
42.	622121202044	SHARMILA.S	/	/	/	/	/

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
43.	622121202045	SHYAM SUNDAR.V	AB	AB	AB	AB	AB
44.	622121202046	SRIKANTH.M	/	/	/	/	/
45.	622121202047	SRINITHI.P	/	/	/	/	/
46.	622121202048	SRIPRIYAN.C	/	/	/	/	/
47.	622121202049	STEPHEN RAJ.R	/	/	/	/	/
48.	622121202050	SUJITH.E	/	/	/	/	/
49.	622121202051	SURYARAJ.J.G	/	/	/	/	/
50.	622121202052	SUVIN KUMAR.N	/	/	/	/	/
51.	622121202053	SWARNA.K	/	/	/	/	/
52.	622121202054	THARUN.S	/	/	/	/	/
53.	622121202055	THENNARASU.S	AB	AB	AB	AB	/
54.	622121202056	THIRUMAHAL.J	/	/	/	/	/
55.	622121202057	UDHAYA GANESH.P	AB	AB	AB	AB	AB
56.	622121202058	UDHAYAMOORTHY.G	/	/	/	/	/
57.	622121202059	VELMURUGAN.M	/	/	/	/	/
58.	622121202060	VIGNESH.S	/	/	/	/	/
59.	622121202061	VINOTH.R	/	/	/	/	/
60.	622121202062	VISHNU PRASANTH.C	/	/	AB	/	/
61.	622121202063	YOGESH.M.S	/	/	/	/	/
62.	622121202301	DINESH KUMAR.P	/	/	/	/	/
63.	622121202302	ISAC BALAN.Z	AB	AB	AB	AB	/
64.	622121202303	SANJAY.R	/	/	/	/	/
65.	622121202501	SWETHA.V	AB	AB	AB	AB	AB

M. Bhuvaneshwari
Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

DHANALAKSHMI K

of Paavai Engineering College, studying in **Second** Year has successfully completed the Value-added Course **"LINUX OS"**. The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

SUJITH E

of Paavai Engineering College, studying in **Second** Year has successfully completed the Value-added Course **"LINUX OS"**. The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

PREETHI P

of Paavai Engineering College, studying in **Second** Year has successfully completed the Value-added Course **"LINUX OS"**. The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

KARTHIKA M

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course **"LINUX OS"**. The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

DHIVYA M

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course **"LINUX OS"**. The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 21.03.2023

CIRCULAR

It is planned to conduct Five Days Value Added Course on "KOTLIN PROGRAMMING" for Sixth semester students from 27.03.23 to 31.03.23.The interested students are asked to enroll their names to the course coordinator S.SARAVANAKUMAR, AP/IT on or before 27.03.23

Course Coordinators: 1. S.SARAVANAKUMAR, AP/IT

2. B. DEEPA, AP/IT

HOD/IT

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

22ITVC601&KOTLIN PROGRAMMING

This Kotlin tutorial is designed for beginners as well as professional, which covers basic and advanced concepts of Kotlin programming language.In This Kotlin tutorial, you'll learn various important kotlin topics, including data types, control flow, functions, object-oriented programming, collections, and more. We will also delve into advanced concepts such as coroutines, null safety, and functional programming

COURSE CONTENT

- Introduction And Basic
- Control Flow And Array & String
- Functions And OOPS Concept
- Expection Handling And NULL Safety
- Collections , Miscellaneous And Android KOTLIN

INTENDED AUDIENCE:

- **III Year of B.E/B.Tech Students**

Date: 27.03.23 to 31.03.23
Venue: T239

COURSE COORDINATORS

1. S.SARAVANAKUMAR, AP/IT
2. B.DEEPA, AP/IT

22ITVC601 KOTLIN PROGRAMMING

COURSES OBJECTIVES

To enable the students to

- understand the kotlin programming concepts
- study the concept of Java Inteiopeiability and Regex & Ranges Leain the concept of Collections and Miscellaneous
- study of AndioidKotlin Andioid Tutoiial
- gain knowledge about creating projects in Android Studio using Kotlin, installing Android Virtual Devices (AVD)
- implementing animations in Android using Kotlin.

UNIT-1 INPRODUCTION AND BASIC

Introduction to Kotlin,Kotlin Enviionment setup foi Command Line,Kotlin,Enviionment setup with Intellij IDEA,Hello Woild piogiam in Kotlin, Kotlin Data Types KotlinVariables,Kotlin Operators,Kotlin Standard Input/Output,Kotlin Type Conversion,Kotlin Expression, Statement and Block.

UNIT -II CONTROL FLOW AND ARRAY &STRING

Kotlin if-else expressionKotlin while loop,Kotlin do-while loop,Kotlin for loop,Kotlin when expression,Kotlin Unlabeled break,Kotlin labeled break,Kotlin unlabeled continue,Kotlin labeled continue,Kotlin Array,Kotlin String.

UNIT -III FUNCTIONS AND OOPS CONCEPT

Class, object,setters and getters,Kotlin | Class Properties and Custom Accessors,Kotlin Abstract class,Enum classes in Kotlin Kotlin extension functionKotlin generics.

UNIT –IV EXPECTION HANDLING AND NULL SAFETY

Kotlin Null Safety,Kotlin | Type Checking and Smart Casting,Explicit type casting,Kotlin Exception Handling | try, catch, throw and finally Kotlin Nested try block and multiple catch block.

UNIT -V COLLECTIONS, MISCELLANEOUS AND ANDROID KOTLIN

Kotlin Collections,Kotlin list : Arraylist,Kotlin list : listOf(),Kotlin Set : setOf(),Kotlin mutableSetOf(),Kotlin hashSetOf(),Kotlin Map : mapOf(),Kotlin Hashmap,Kotlin annotations,Kotlin Reflection,Kotlin Operator Overloading,Destructuring Declarations in

Kotlin,Equality evaluation in Kotlin How to create project in Android Studio using Kotlin,How to install Android Virtual Device(AVD),Android Animations in Kotlin.

TOTAL PERIODS 30

COURSES OUTCOMES

At the end this course, students will be able to

- implemented of concurrent of Kotlin programming
- they will be able to effectively use various collection types such as lists, sets, and maps in Kotlin.
- develop of Android Kotlin
- they will understand the concept of setters, getters, class properties, and custom accessors.
- they will gain knowledge about Kotlin data types, variables, operators, standard input/output, type conversion, expressions, statements, and blocks.

TEXT BOOKS

1. Atomic Kotlin by Bruce Eckel and Svetlana Isakova.
2. Head First Kotlin by Dawn Griffiths and David Griffiths.

REFERENCES

1. "Kotlin Programming: The Big Nerd Ranch Guide" by Josh Skeen and David Greenhalgh

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III/VI

Name of the course: 22ITVC601-KOTLIN PROGRAMMING

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
1.	20202001	AISHWARYA.S	/	/	/	/	/
2.	20202002	AJAY.A	ab	ab	ab	ab	ab
3.	20202003	ANTONY JAYANELSON.J	/	/	/	/	/
4.	20202004	ATCHAYA.M	/	/	/	/	/
5.	20202005	BALESHWARAN.D	/	/	/	/	/
6.	20202006	BARATH KUMAR.S	/	/	/	/	/
7.	20202007	BARATH.S	/	/	/	/	/
8.	20202008	BOWTHIKA.K	/	/	ab	/	/
9.	20202009	CHANDRAMENON.E	/	/	/	/	/
10.	20202011	CHIRANJEEVI.S	/	/	/	/	/
11.	20202012	DEVADARSHINI.S	/	/	/	/	/
12.	20202013	DEVADHARSHINI.R	/	/	/	/	/
13.	20202014	DHANUSH KUMAR.S	/	/	/	/	/
14.	20202015	DHIVYAPRIYA.K	/	/	/	/	/
15.	20202016	DINESHKUMAR.G	/	/	/	/	/
16.	20202017	DURGADEVI.R	ab	ab	ab	/	ab
17.	20202018	ELAVARASAN.A	/	/	/	/	/
18.	20202019	GOWTHAM.D	/	/	/	/	/

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
19.	20202020	GUNASEELAN.S	ab	ab	/	ab	ab
20.	20202021	HARSINI.S	/	/	/	/	/
21.	20202022	JAWAHAR.E	ab	ab	ab	/	/
22.	20202023	JAYAKRISHNAN.V	/	/	/	/	/
23.	20202024	JEEVANATH.P	/	/	/	/	/
24.	20202025	KAMATCHI PRIYA.D	/	/	/	/	/
25.	20202026	KANDHASAMY.V	/	/	/	/	/
26.	20202027	KARRAN.J	/	/	/	/	/
27.	20202028	KOWSHIKA.E	/	/	ab	/	/
28.	20202029	LOKESH.S	/	/	/	/	/
29.	20202030	NADANASIVAM.A	/	/	/	/	/
30.	20202031	NARESH.A.P	/	/	/	/	/
31.	20202032	NAVEENKUMAR.A	/	/	/	/	/
32.	20202033	NAVEEN.A	/	/	/	/	/
33.	20202034	NITHEESHWARAN.S.M	ab	ab	ab	ab	/
34.	20202035	PANDI.C	/	/	/	/	/
35.	20202036	PARTHIBAN.M	/	/	/	/	/
36.	20202037	PRIYADHARSHINI.B	/	/	/	/	/
37.	20202038	RAGHUL.A	/	/	/	/	/
38.	20202040	RAJESWARAN.T	/	/	/	/	/
39.	20202042	RAMANI.S	/	/	/	/	/
40.	20202043	RITHIKA.S	/	/	/	/	/
41.	20202044	SABARESH.M	ab	ab	ab	ab	ab
42.	20202045	SAM.P	/	/	/	/	/
43.	20202046	SANTHOSH KUMAR.A	/	/	/	/	/

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
44.	20202047	SANTHOSH KUMAR.G	/	/	/	/	/
45.	20202048	SELVAMANI.S	/	/	/	/	/
46.	20202049	SHABARIE.S	/	/	/	/	/
47.	20202050	SHARMILA.K	/	/	ab	/	/
48.	20202051	SNEKA.C	/	/	/	/	/
49.	20202052	SOWMEYA.B	/	/	/	/	/
50.	20202053	SOWMIYA.K	/	/	/	/	/
51.	20202054	SRIRAM.K	/	/	/	/	/
52.	20202055	SUDHAN.B	/	/	/	/	/
53.	20202056	SWETHA.V	/	/	/	/	/
54.	20202057	VASEEKARAN.M	ab	ab	ab	ab	ab
55.	20202058	VIGNESH KUMAR.R	/	/	/	/	/
56.	20202059	VIJAYA RAGHAVAN.S.P	ab	ab	/	ab	ab
57.	20202060	VIKRAM RAJA.S	/	/	/	/	/
58.	20202061	VIKRAM.M	/	/	/	/	/
59.	20202062	VIMAL KUMAR.K	/	/	/	/	/
60.	20202301	GOPINATH.N	ab	ab	ab	ab	ab
61.	20202303	SNEHA. R	/	/	/	/	/
62.	20202304	SUDHAN.R.J	/	/	/	/	/
63.	20202305	THARANI. B	/	/	/	/	/
64.	20202306	VIDYAWATHI. S	/	/	/	/	/

Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

BOWTHIKA K

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course **"KOTLIN PROGRAMMING"**. The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

VIKRAMRAJA S

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course **"KOTLIN PROGRAMMING"**. The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

SANTHOSHKUMAR G

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course **"KOTLIN PROGRAMMING"**. The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

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Department of Information Technology

CERTIFICATE

This is to certify that

NAVEEN A

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course **"KOTLIN PROGRAMMING"**. The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

ELAVARASAN A

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course **"KOTLIN PROGRAMMING"**. The duration of the course is 30 hours

(27/03/2023 to 31/03/2023)

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 21.03.2023

CIRCULAR

It is planned to conduct Five Days Value Added Course on "FULL STACK DEVELOPMENT" for Eighth semester students from 27.03.23 to 31.03.23.The interested students are asked to enroll their names to the course coordinator Dr.P.THIYAGARAJAN, AP/IT on or before 27.03.23.

Course Coordinators: 1. Dr.P.THIYAGARAJAN, AP/IT

2. P.ANITHA, AP/IT

HOD/IT

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

22ITVC801 & FULL STACK DEVELOPMENT

Full Stack Development refers to the development of both front end(client side) and back end(server side) portions of web application,The task of full stack web development is usually carried out by full stack developers who are people with the requisite skills to achieve this task.

COURSE CONTENT

- Hyper Text Mark Up Language
- Bootstrap And Java Script
- J Query And j Query Mobile

INTENDED AUDIENCE:

- **IV Year of B.E/B.Tech Students**

Date: 27.03.23 to 31.03.23
Venue: T220

COURSE COORDINATORS

1. DR.P.THIYAGARAJAN, AP/IT

2. P. ANITHA, AP/IT

22ITVC801 FULL STACK DEVELOPMENT

COURSE OBJECTIVES

- to understand front end application using HTML5
- to develop front end application using CSS3
- to develop front end application using HTML5, CSS3 and JavaScript along with jQuery and AngularJS framework

UNIT I HYPER TEXT MARK-UP LANGUAGE

Introduction: HTML , HTML Basics, HTML Elements, HTML5 Semantic, HTML Attributes, HTML Headings, HTML Paragraph, HTML Styles, HTML Formatting, HTML Quotations, HTML Computer Code, HTML Comments & Colours, HTML CSS, Links and Images, HTML Lists, HTML Blocks, HTML Classes, HTML Layout, HTML Responsive, HTML iframes, HTML JavaScript, HTML Head, HTML Entities and URI Code, HTML Symbols and XHTML, HTML Charset and Forms. Cascading Style Sheets: Introduction CSS3, CSS3 Syntax, CSS3 Colours, CSS3 Backgrounds, CSS3 Boarders, CSS Padding, CSS Height/Width, CSS3 Gradients, CSS3 Shadows, CSS3 Text, CSS3 Fonts, CSS3 2D Transforms, CSS3 3D Transforms, CSS Links, CSS Lists, CSS Tables, CSS Box Model, CSS Outline, CSS Display, CSS Max-width, CSS Position, CSS Float, CSS Inline-block , CSS Align, CSS Combinators, CSS Pseudo-class, CSS Pseudo-element, CSS Navigation Bar, CSS Dropdowns, CSS Tooltips, CSS3 Images, CSS Attr Selectors, CSS Forms.

UNIT II BOOTSTRAP AND JAVA SCRIPT

Bootstrap: Introduction to Bootstrap, Bootstrap Basics, Bootstrap Grids, Bootstrap Themes, Bootstrap CSS, Bootstrap JS. JavaScript: Introduction to JavaScript, Java Script Language Basics, JavaScript Objects, JavaScript Scope, JavaScript Events, JavaScript Strings, JavaScript Numbers, JavaScript Math, JavaScript Arrays, JavaScript Boolean, JavaScript Comparisons, JavaScript Conditions, JavaScript Switch, JavaScript Loops, JavaScript Type Conversion, JavaScript RegExp, JavaScript Error, JavaScript Debugging, JavaScript Hoisting, JavaScript Strict Mode, JavaScript Functions, JavaScript Objects, JavaScript Forms, JavaScript HTML DOM, JavaScript BOM.

UNIT III JQUERY AND JQUERY-MOBILE

JQuery: Introduction to jQuery, jQuery Syntax, jQuery Selectors, jQuery Events, jQuery Effects, jQuery HTML, jQuery Traversing, jQuery AJAX & Misc. jQuery-Mobile: Introduction to jQuery Mobile, jQuery Mobile Pages, jQuery Mobile Transitions, jQuery Mobile Buttons,

jQuery Mobile Icons, jQuery Mobile Popups, jQuery Mobile Toolbars, jQuery Mobile Navbars, jQuery Mobile Panels, jQuery Mobile Collapsibles, jQuery Mobile Tables, jQuery Mobile Grids, jQuery Mobile Lists, jQuery Mobile Forms, jQuery Mobile Themes, jQuery Mobile Events

TOTAL PERIODS 30

COURSES OUTCOMES

At the end this course, students will be able to

- develop a strong foundation in HTML, CSS, and JavaScript, enabling them to create and style interactive web pages.
- learn to leverage frameworks like Bootstrap and jQuery to streamline development processes and
- students will be equipped to deploy and optimize web applications while adhering to industry best practices for security and performance.

TEXT BOOKS

1. "HTML and CSS: Design and Build Websites" by Jon Duckett
2. "JavaScript: The Good Parts" by Douglas Crockford
3. "Bootstrap in Practice" by Alexandre Magno
4. "jQuery in Action" by Bear Bibeault, Yehuda Katz, and Aurelio De Rosa

REFERENCES

1. "AngularJS Up and Running" by Shyam Seshadri and Brad Green
2. "Node.js Web Development" by David Herron
3. "Web Development and Design Foundations with HTML5" by Terry Felke-Morris

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV/VIII

Name of the course: 22ITVC801-FULL STACK DEVELOPMENT

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
1.	19202001	ALEN.A	/	/	/	OB	/
2.	19202002	AMULYA.V	/	/	/	/	/
3.	19202003	ANBARASAN.N	/	/	/	/	/
4.	19202004	ARIVUSELVAN.M	AB	AB	AB	AB	AB
5.	19202005	ARUN.V	/	/	/	/	/
6.	19202006	BALAJI.V.M	/	/	/	/	/
7.	19202007	BHUVANESHWARAN.P	/	/	/	/	/
8.	19202008	CHARU LATHA.R	/	/	/	/	/
9.	19202009	DHARUN KUMAR.S	/	/	AB	/	/
10.	19202010	DINESH KUMAR.V	/	/	/	/	/
11.	19202011	DINESH RAGUL.S	/	/	/	/	/
12.	19202012	ELUMALAI.S	/	/	/	/	/
13.	19202013	EZHUMALAI.M	/	/	/	/	/
14.	19202014	GOKULAKANNAN.M	/	/	/	/	/
15.	19202015	GOKULAVANAN.P	AB	AB	AB	AB	/
16.	19202017	HARIPRASTH.P	/	/	/	/	/
17.	19202018	HEMKANTH.P	/	/	/	/	/
18.	19202019	HERAMBHA PRASATH.S	/	/	/	/	/

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
19.	19202020	JAYAGANESH.K	/	/	/	/	/
20.	19202021	KABILASH BALAJI.M	/	/	/	/	/
21.	19202022	KING DINAKARAN.R.K	AB	AB	AB	AB	AB
22.	19202023	KISHORE.M	/	/	/	/	/
23.	19202024	LOGESH.R	/	/	/	/	/
24.	19202025	LOGESHWARAN.M	/	/	/	/	/
25.	19202026	LOGESHWARAN.S	/	/	/	/	/
26.	19202027	MANO RANJANI.S	/	/	/	/	/
27.	19202028	MITHRA.M	/	/	/	/	/
28.	19202029	MOHAMMED RIYAZ.A	/	/	/	/	/
29.	19202030	MONIKA.K.E	/	/	/	/	/
30.	19202031	MUGUNTHAN.R	/	/	/	/	/
31.	19202032	MUKUNTHAN.M	/	/	/	/	/
32.	19202034	NAVEEN.E	/	/	/	/	/
33.	19202035	NIRANJANKUMAR.T	/	AB	/	/	/
34.	19202036	NIVETHA S.L	/	/	/	/	/
35.	19202037	PARTHASARATHI.T	/	/	/	/	/
36.	19202038	PAVEENA.K	/	/	/	/	/
37.	19202039	PAVITHRA.V.M	/	/	/	/	/
38.	19202040	PRADEEP.P	/	/	/	/	/
39.	19202041	PRAKASH.G	/	/	/	/	/
40.	19202042	PRAVEEN KUMAR.K	/	/	AB	/	/
41.	19202043	PREMKUMAR.J	/	/	/	/	/
42.	19202044	RAGHUL.N	/	/	/	/	/
43.	19202045	RAVEENA.M	/	/	/	/	/

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
44.	19202046	RISHI KESHWAR	/	/	/	/	/
45.	19202047	SANJAY.R.S	/	/	/	/	/
46.	19202049	SATHISHKUMAR.S	/	/	/	/	/
47.	19202050	SATHYAA.B.B.	/	/	/	/	/
48.	19202051	SIDDARTH.M	/	/	AB	/	/
49.	19202052	SIVA.P	/	/	/	/	/
50.	19202053	SNEHA.B	/	/	/	/	/
51.	19202054	SRIDHARAN.R.S	/	/	/	/	/
52.	19202055	SUNIL RAJ.T	/	/	/	/	/
53.	19202056	SWEEDHA.R	/	/	/	/	/
54.	19202057	VARUN PRASATH.K	/	/	/	/	/
55.	19202058	VASANTH.M	/	/	/	/	/
56.	19202059	VEERA RAGAVAN.G	AB	AB	AB	AB	AB
57.	19202060	VENKATESH.S	/	/	/	/	/
58.	19202061	VIGNESH.S	/	/	/	/	/
59.	19202062	VIGNESHWARAN.P	AB	AB	AB	AB	/
60.	19202063	YOGALAKSHMI.S	/	/	/	/	/
61.	19202301	KARTHICK.S	/	/	/	/	/

Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

HERAMBHA PRASATH S

of Paavai Engineering College, studying in **Final** Year has successfully completed the Value-added Course **"FULL STACK DEVELOPMENT"**. The duration of the course is 30 hours **(27/03/2023 to 31/03/2023)**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

AMULYA V

of Paavai Engineering College, studying in Final Year has successfully completed the Value-added Course **"FULL STACK DEVELOPMENT"**. The duration of the course is 30 hours **(27/03/2023 to 31/03/2023)**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

SATHYAA BB

of Paavai Engineering College, studying in Final Year has successfully completed the Value-added Course **"FULL STACK DEVELOPMENT"**. The duration of the course is 30 hours **(27/03/2023 to 31/03/2023)**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

RAGUL N

of Paavai Engineering College, studying in Final Year has successfully completed the Value-added Course **"FULL STACK DEVELOPMENT"**. The duration of the course is 30 hours **(27/03/2023 to 31/03/2023)**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Information Technology

CERTIFICATE

This is to certify that

MOHAMMED RIYAZ A

of Paavai Engineering College, studying in Final Year has successfully completed the Value-added Course **"FULL STACK DEVELOPMENT"**. The duration of the course is 30 hours **(27/03/2023 to 31/03/2023)**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

22MEVC301-AUTOCAD AND ITS APPLICATION

ABOUT THE COURSE:

This course offers you a basic understanding of the operation of Computer Aided Design (CAD) software. It is ideal for anyone looking for an initial introduction to AutoCAD 2D with an interest in using the software to produce 2D drawings for architectural, engineering or design purposes.

INTENDED AUDIENCE:

- II-, III- and IV-year students those who were interested in Design area.
- Students those interested to know the basic commands and modifying tools in CAD software.
- One who wants to know 2-D modelling.

DURATION OF THE COURSE:

Period: 19.09.2022 to 23.09.2022.

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

1. utilize the power and precision of AutoCAD as a drafting and design tool used in the mechanical design and manufacturing industries.
2. apply basic CAD concepts to develop and construct accurate 2D geometry through creation of basic geometric constructions.

COURSE IN CHARGE:

1. Mr.S.PRABHAKARAN, AP/MECH, PEC
2. Mr.G.SURESHKUMAR,AP/MECH,PEC

VENUE:

CAD/CAM LAB,

PAAVAI ENGINEERING COLLEGE

Note: Interested students enroll their name to the course in charge on or before 15.09.2022.

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 10.09.2022

CIRCULAR

In our department it is planned to conduct the course on "**22MEVC301-AUTOCAD AND ITS APPLICATION**" for our students from **19.09.2022 to 23.09.2022**. The students who are interested to improve their knowledge in designing software can register their name to the course in charge "**Mr. Mr.S.PRABHAKARAN, AP/MECH,**" on or before **15.09.2022.**

COURSE IN CHARGE:

1. **Mr.S.PRABHAKARAN, AP/MECH, PEC**
2. **Mr.G.SURESHKUMAR,AP/MECH,PEC**

Head of the Department

Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year: 2022 -2023

ATTENDANCE SHEET

Year/Semester : II / III

Name of the course: 22MEVC301-AUTOCAD AND ITS APPLICATION Date: 19.09.2022

Sl.No	Register Number	Name of the student	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
1.	622121107001	ABINAYASREE K	/	/	/	/	/
2.	622121107002	ABINESH S	/	/	/	/	/
3.	622121107003	ABISHEK A	/	/	/	/	/
4.	622121107004	AKASH E	/	/	/	/	/
5.	622121107005	ANBUMANI K	/	/	/	/	/
6.	622121107006	ARUN G	/	/	/	/	/
7.	622121107007	ARUSAMY S	/	/	/	/	/
8.	622121107008	BALAJI B	/	/	/	/	/
9.	622121107009	BHARANI K	/	/	/	/	/
10.	622121107010	BHARATH P	/	/	/	/	/
11.	622121107012	BOOPATHI P	a	a	a	a	a
12.	622121107015	GOKUL KRISHNAN A	/	/	/	/	/
13.	622121107017	GOKULRAJ V	/	/	/	/	/
14.	622121107018	HARIHARAN M	/	/	/	/	/
15.	622121107019	HEMAHARIDHA J	/	/	/	/	/
16.	622121107021	JOTHI KRISHNA S J	/	/	/	/	/
17.	622121107022	KALAISELVAN K	/	/	/	/	/
18.	622121107025	KAVIYARASAN S	/	/	/	/	/
19.	622121107026	KISHORE M	/	/	/	/	/
20.	622121107027	KISHORE R	/	/	/	/	/
21.	622121107029	MANOJKUMAR P	/	/	/	/	/
22.	622121107030	MOHAN A	a	a	a	a	a
23.	622121107031	MUGILRAJ M	/	/	/	/	/
24.	622121107032	MUGUNTHAN A	/	/	/	/	/
25.	622121107033	MUHESH BHARATHI R	/	/	/	/	/
26.	622121107034	MUTHU M	/	/	/	/	/

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Sl.No	Register Number	Name of the student	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
27.	622121107035	NALIN T	/	/	/	/	/
28.	622121107036	NANDHAKUMAR S	/	/	/	/	/
29.	622121107037	PALANI A	/	/	/	/	/
30.	622121107038	PITCHAI MANI A	/	/	/	/	/
31.	622121107039	POOVARASAN V	/	/	/	/	/
32.	622121107040	PRABHU M	/	/	/	/	/
33.	622121107041	PRADEEPKUMAR S	/	/	/	/	/
34.	622121107043	PRIYADHARSHINI P	/	/	/	/	/
35.	622121107045	SANJAI ADHITHYA R	/	/	/	/	/
36.	622121107047	SATHISHKUMAR V	/	/	/	/	/
37.	622121107048	SATHRIYAN C	/	/	/	/	/
38.	622121107049	SETHU RAJ R	/	/	/	/	/
39.	622121107050	SHARAN D	/	/	/	/	/
40.	622121107051	SINGADURAI A	/	/	/	/	/
41.	622121107052	SIVANESH G	/	/	/	/	/
42.	622121107053	SIVASAKTHI M	a	a	a	a	a
43.	622121107055	SUDHARSAN M	/	/	/	/	/
44.	622121107056	SURYA S	/	/	/	/	/
45.	622121107057	THIRUMURUGAN N	/	/	/	/	/
46.	622121107058	THIRUSELVAN V	/	/	/	/	/
47.	622121107059	VIGNESH NAGARATHINAM N	/	/	/	/	/
48.	622121107060	VIGNESHWARAN S	/	/	/	/	/
49.	622121107061	VIKRAM S	/	/	/	/	/
50.	622121107302	GNANESH P	/	/	/	/	/
51.	622121107303	GOWTHAM S	/	/	/	/	/
52.	622121107304	JAWAHAR V B	/	/	/	/	/
53.	622121107305	JAYASURYA S	/	/	/	/	/
54.	622121107306	MATHIVANAN R	/	/	/	/	/
55.	622121107308	NAVEENKUMAR K	/	/	/	/	/
56.	622121107309	RAJPRAKASAM P	/	/	/	/	/
57.	622121107310	SUJITH M	/	/	/	/	/
58	622121107501	ABDUL RAHMAN N	/	/	/	/	/
59.	622121107502	SIVABALAJI	a	a	a	a	a

COURSE IN CHARGE:

1. Mr.S.PRABHAKARAN, AP/MECH, PEC S. Prabhat
2. Mr.G.SURESHKUMAR,AP/MECH,PEC G.S

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

SINGADURAI A

of Paavai Engineering College, studying in Second Year has successfully completed the value added course 22MEVC301-AUTOCAD AND ITS APPLICATIONS. The duration of the course is 30 hours from 19.09.2022 to 23.09.2022.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

PRIYADHARSHINI P

of Paavai Engineering College, studying in Second Year has successfully completed the value added course 22MEVC301-AUTOCAD AND ITS APPLICATIONS. The duration of the course is 30 hours from 19.09.2022 to 23.09.2022.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

RAJPRAKASAM P

of Paavai Engineering College, studying in Second Year has successfully completed the value added course 22MEVC301-AUTOCAD AND ITS APPLICATIONS. The duration of the course is 30 hours from 19.09.2022 to 23.09.2022.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

ARUSAMY S

of Paavai Engineering College, studying in Second Year has successfully completed the value added course 22MEVC301-AUTOCAD AND ITS APPLICATIONS. The duration of the course is 30 hours from 19.09.2022 to 23.09.2022.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

22MEVC401-BASICS OF SOLAR ENERGY

ABOUT THE COURSE:

This course gives you an introduction to the fundamentals of solar power as it applies to solar panel system installations. You will learn to compare solar energy to other energy resources and explain how solar panels, or photovoltaics (PV for short), convert sunlight to electricity.

INTENDED AUDIENCE:

- II-, III- and IV-year students those wants to know the fundamentals of solar energy.
- Those wants design power panels for solar energy production system.
- Those wants to know the difference between various energy system and how solar energy produces electricity.

DURATION OF THE COURSE:

Period: 28.03.2023 to 01.04.2023.

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

1. explain the principles that underlie the ability of various natural phenomena to deliver solar energy
2. outline the technologies that are used to harness the power of solar energy
3. discuss the positive and negative aspects of solar energy in relation to natural and human aspects of the environment.

COURSE IN CHARGES:

1. **Dr.C.SURESH ,ASP/MECH, PEC**
2. **Mr.J.SUJITH KUMAR, AP/MECH, PEC**

VENUE:
SEMINAR HALL 2,
PAAVAI ENGINEERING COLLEGE

Note: Interested students enroll their name to the course in charge on or before 22.03.2023.

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 20.03.2023

CIRCULAR

In our department it is planned to conduct the course on **"22MEVC401-BASICS OF SOLAR ENERGY"** for our students from 28.03.2023 to 01.04.2023. The students who are interested to improve their knowledge in solar energy and its concept can register their name to the course in charge **"Dr.C.SURESH, ASP/MECH, PEC"** on or before **22.03.2023**.

COURSE IN CHARGES:

1. **Dr.C.SURESH ,ASP/MECH, PEC** –
2. **Mr.J.SUJITH KUMAR, AP/MECH, PEC** –

Head of the Department

Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR: 2022 -2023

ATTENDANCE SHEET

Year/Semester : II /IV

Name of the course: 22MEVC401-BASICS OF SOLAR ENERGY Date: 28.03.2023

Sl.No	Register Number	Name of the student	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
1.	622121107001	ABINAYASREE K	/	/	/	/	/
2.	622121107002	ABINESH S	/	/	/	/	/
3.	622121107003	ABISHEK A	/	/	/	/	/
4.	622121107004	AKASH E	/	/	/	/	/
5.	622121107005	ANBUMANI K	/	/	/	/	/
6.	622121107006	ARUN G	/	/	/	/	/
7.	622121107007	ARUSAMY S	a	a	a	a	a
8.	622121107008	BALAJI B	/	/	/	/	/
9.	622121107009	BHARANI K	/	/	/	/	/
10.	622121107010	BHARATH P	/	/	/	/	/
11.	622121107012	BOOPATHI P	/	/	/	/	/
12.	622121107015	GOKUL KRISHNAN A	/	/	/	/	/
13.	622121107017	GOKULRAJ V	/	/	/	/	/
14.	622121107018	HARIHARAN M	/	/	/	/	/
15.	622121107019	HEMAHARIDHA J	/	/	/	/	/
16.	622121107021	JOTHI KRISHNA S J	a	a	a	a	a
17.	622121107022	KALAISELVAN K	/	/	/	/	/
18.	622121107025	KAVIYARASAN S	/	/	/	/	/
19.	622121107026	KISHORE M	/	/	/	/	/
20.	622121107027	KISHORE R	/	/	a	/	/
21.	622121107029	MANOJKUMAR P	/	/	/	/	/
22.	622121107030	MOHAN A	/	/	/	/	/
23.	622121107031	MUGILRAJ M	/	/	/	/	/
24.	622121107032	MUGUNTHAN A	/	/	/	/	/
25.	622121107033	MUHESH BHARATHI R	/	/	/	/	/
26.	622121107034	MUTHU M	/	/	/	/	/

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Sl No	Register Number	Name of the student	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
27.	622121107035	NALIN T	/	/	/	/	/
28.	622121107036	NANDHAKUMAR S	/	/	/	/	/
29.	622121107037	PALANI A	/	/	/	/	/
30.	622121107038	PITCHAI MANI A	a	a	a	a	a
31.	622121107039	POOVARASAN V	/	/	/	/	/
32.	622121107040	PRABHU M	/	/	/	/	/
33.	622121107041	PRADEEPKUMAR S	/	/	/	/	/
34.	622121107043	PRIYADHARSHINI P	/	/	/	/	/
35.	622121107045	SANJAI ADHITHYA R	/	/	/	/	/
36.	622121107047	SATHISHKUMAR V	/	/	a	/	/
37.	622121107048	SATHRIYAN C	/	/	/	/	/
38.	622121107049	SETHU RAJ R	a	a	a	a	a
39.	622121107050	SHARAN D	/	/	/	/	/
40.	622121107051	SINGADURAI A	/	/	/	/	/
41.	622121107052	SIVANESH G	/	/	/	/	/
42.	622121107053	SIVASAKTHI M	/	/	/	/	/
43.	622121107055	SUDHARSAN M	/	/	/	/	/
44.	622121107056	SURYA S	/	/	/	/	/
45.	622121107057	THIRUMURUGAN N	/	/	/	/	/
46.	622121107058	THIRUSELVAN V	/	/	/	/	/
47.	622121107059	VIGNESH NAGARATHINAM N	/	/	/	/	/
48.	622121107060	VIGNESHWARAN S	/	/	/	/	/
49.	622121107061	VIKRAM S	a	/	/	/	/
50.	622121107302	GNANESH P	/	/	/	/	/
51.	622121107303	GOWTHAM S	/	/	/	/	/
52.	622121107304	JAWAHAR V B	/	/	/	/	/
53.	622121107305	JAYASURYA S	/	/	/	/	/
54.	622121107306	MATHIVANAN R	/	/	/	/	/
55.	622121107308	NAVEENKUMAR K	/	/	/	/	/
56.	622121107309	RAJPRAKASAM P	/	/	/	/	/
57.	622121107310	SUJITH M	/	/	/	/	/
58.	622121107501	ABDUL RAHMAN N	a	a	a	a	a
59.	622121107502	SIVABALAJI	/	/	/	/	/

COURSE IN CHARGES:

1. **Dr.C.SURESH ,ASP/MECH, PEC**
2. **Mr.J.SUJITH KUMAR, AP/MECH, PEC**

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

ABINAYASREE K

of Paavai Engineering College, studying in Second Year has successfully completed the value added course 22MEVC401 -BASICS OF SOLAR ENERGY. The duration of the course is 30 hours from 28.03.2023 to 01.04.2023.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

KISHORE M

of Paavai Engineering College, studying in Second Year has successfully completed the value added course 22MEVC401 -BASICS OF SOLAR ENERGY. The duration of the course is 30 hours from 28.03.2023 to 01.04.2023.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

PRADEEPKUMAR S

of Paavai Engineering College, studying in Second Year has successfully completed the value added course 22MEVC401 -BASICS OF SOLAR ENERGY. The duration of the course is 30 hours from 28.03.2023 to 01.04.2023.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

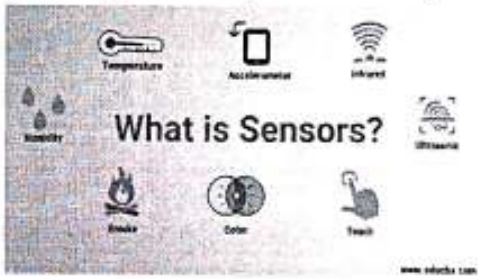
(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

22MEVC501-SENSORS AND ITS USE

ABOUT THE COURSE:

This course introduces the concepts of sensor. It is an electronic device that measures physical attributes such as temperature, pressure, distance, speed, torque, acceleration, etc., from equipment, appliances, machines and any other systems. The sensor produces an electrical signal/optical signal using multiple technologies proportional to the inputs. Sensors are broadly grouped into analog and digital sensors. Analog sensors measure the exact value of physical variables, whereas digital sensors measure the status. Applications classify sensors, Property sensed, Technology used and Systems where they are deployed.



INTENDED AUDIENCE:

- II-, III- and IV-year students those who want to know the fundamentals of sensors.
- Students interested in knowing the operating principles of sensors.
- One who wants to know the specific application of sensors in industries.

DURATION OF THE COURSE:

Period: 20.09.2022 to 24.09.2022

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

1. understand the principle and application of sensors.
2. understand the specific application of sensors in industries.
3. Classify the sensors based on their specific application.

COURSE IN CHARGE:

1. Mr.R.MOHANRAJ,AP/MECH, PEC

2. Mr.N.LOKESHWARN,AP/MECH,PEC

VENUE:
MECHATRONICS LABORATORY&
SEMINAR HALL,
PAAVAI ENGINEERING COLLEGE

Note: Interested students enroll their name to the course in charge on or before 16.09.2023.

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 12.09.2023

CIRCULAR

In our department it is planned to conduct the course on "**22MEVC501-SENSORS AND ITS USE**" for our students from 20.09.2022 to 24.09.2023. The students who are interested to improve their knowledge in sensors can register their name to the course in charge "**Mr.R.MOHANRAJ, AP/MECH,**" on or before **16.09.2022**.

COURSE IN CHARGE:

1. **Mr.R.MOHANRAJ,AP/MECH, PEC** -
2. **Mr.N.LOKESHWARN,AP/MECH,PEC** - N.

Head of the Department

Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR: 2022 -2023

ATTENDANCE SHEET

Year/Semester : III /V

Name of the course: 22MEVC501-SENSORS AND ITS USE Date: 20.09.2022

Sl.No	Register Number	Name of the student	20.09.22	21.09.22	22.09.22	23.09.22	24.09.22
1.	20107001	AAKASH.S	/	/	/	/	/
2.	20107002	AAKESH KUMAR.S	/	/	/	/	/
3.	20107006	AKASH.G	/	/	/	/	/
4.	20107008	ANBARASAN .A	/	/	/	/	/
5.	20107010	BHARANI SHAKTHI DHARAN.D.S	/	/	/	/	/
6.	20107012	DEEPESH.M	/	/	/	/	/
7.	20107013	GOPALAKANNAN.M	/	/	/	/	/
8.	20107015	JANARTHANAN.K	/	/	/	/	/
9.	20107017	KAVIN.S	a	a	a	a	a
10.	20107018	KODIYARASAN.T	/	/	/	/	/
11.	20107019	MAHENDRAN.G	/	/	/	/	/
12.	20107020	MOHAMED NASAR.R	/	/	/	/	/
13.	20107021	MOORTHI.S	/	/	/	/	/
14.	20107022	NAVEENKUMAR.J	/	/	/	/	/
15.	20107023	NAVEENKUMAR.S	/	/	a	/	/
16.	20107024	NITHESH.T	/	/	/	/	/
17.	20107025	PARTHIBAN.T.A	/	/	/	/	/
18.	20107028	RAJENDRA PRASATH.V	/	/	/	/	/
19.	20107029	RAJKUMAR.K	/	/	/	/	/
20.	20107030	RAJKUMAR.T	/	/	/	/	/
21.	20107031	RANJITH KUMAR.V	a	/	/	/	/
22.	20107032	SARAN RAJ.T	/	/	/	/	/
23.	20107033	SARATHI.C	/	/	/	/	/
24.	20107034	SARATHI.S	/	/	/	/	/

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Sl.No	Register Number	Name of the student	20.09.22	21.09.22	22.09.22	23.09.22	24.09.22
25.	20107035	SASIDHARAN.V	/	/	/	/	/
26.	20107036	SATHISH.S	/	/	/	/	/
27.	20107039	SIVACHANDIRAN.C	/	/	/	/	/
28.	20107040	SIVASURYA.S	/	/	/	/	/
29.	20107041	SRINATH.D	/	/	/	/	/
30.	20107042	SUMITH.S	/	/	/	/	/
31.	20107043	THINESHKUMAR.M	/	/	/	/	/
32.	20107044	VENGATESAN.R	/	/	/	/	/
33.	20107045	VETRIVEL.P	/	/	/	/	/
34.	20107047	VISHU.D	/	/	/	/	/
35.	20107302	ASHIF ALI. M	a	a	a	a	a
36.	20107303	BIMAL BAIJU	/	/	/	/	/
37.	20107305	DHARUN. M. S	/	/	/	/	/
38.	20107306	DINESHKUMAR. S	/	/	/	/	/
39.	20107307	GOKUL M	/	/	/	/	/
40.	20107308	GOKUL. V	/	/	/	/	/
41.	20107309	GOUSHIK PRABHU	a	a	a	a	a
42.	20107310	GUNALAN M	/	/	/	/	/
43.	20107311	GUNASEKARAN. M	/	/	/	/	/
44.	20107312	HARIPRASATH. V	/	/	a	/	/
45.	20107314	KARTHICK. K. K	/	/	/	/	/
46.	20107315	KARTHICK R	/	/	/	/	/
47.	20107316	KARTHIKEYAN. K	/	/	/	/	/
48.	20107318	KIRANKUMAR. M	/	/	/	/	/
49.	20107320	KIRUBAKARAN. T	/	/	/	/	/
50.	20107321	LEOSONU I	/	/	/	/	/
51.	20107322	LOGESH.S	/	/	/	/	/
52.	20107323	MANOJKUMAR. V	/	a	/	/	/
53.	20107325	MOHAMMED RIYAS. A	/	/	/	/	/
54.	20107326	MOHAMMED RIYAS. E	/	/	/	/	/
55.	20107328	NISHANTH. R	/	/	/	/	/
56.	20107329	PRAVEENKUMAR. S	/	/	/	/	/
57.	20107330	PREMNATH. L. G	/	/	/	/	/

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Sl.No	Register Number	Name of the student	20.09.22	21.09.22	22.09.22	23.09.22	24.09.22
58.	20107331	RAGUVARAN. P	/	/	/	/	/
59.	20107332	RAJAMURUGAN. A	a	a	a	a	a
60.	20107333	RAJESHWARAN. S. M. R	/	/	/	/	/
61.	20107334	RAMBOJITH.V	/	/	/	/	/
62.	20107335	RISHIKESAVAN. C. M	/	/	/	/	/
63.	20107336	SARAVANAN. K. S	/	/	/	/	/
64.	20107337	SUDARMANI. V	/	/	/	/	/
65.	20107338	SUDHARSAN. P	/	/	/	/	/
66.	20107341	TAMILMANI. R	a	a	a	a	a
67.	20107342	TAMIZHARASU. S	/	/	/	/	/
68.	20107343	THANGAMANIKANDAN. R	/	/	/	/	/
69.	20107345	YOKESH. S	/	/	/	/	/
70.	20107501	MADHANKUMAR .M	/	/	/	/	/

COURSE IN CHARGE:

1. **Mr.R.MOHANRAJ,AP/MECH, PEC**
2. **Mr.N.LOKESHWARN,AP/MECH,PEC**

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

AAKESH KUMAR.S

of Paavai Engineering College, studying in Third Year has successfully completed the value added course 22MCVC501-SENSORS AND ITS USE. The duration of the course is 30 hours from 20.09.2022 to 24.09.2022.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

SARAN RAJ.T

of Paavai Engineering College, studying in Third Year has successfully completed the value added course 22MCVC501-SENSORS AND ITS USE. The duration of the course is 30 hours from 20.09.2022 to 24.09.2022.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

THINESHKUMAR.M

of Paavai Engineering College, studying in Third Year has successfully completed the value added course 22MCVC501-SENSORS AND ITS USE. The duration of the course is 30 hours from 20.09.2022 to 24.09.2022.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

LEOSONU I

of Paavai Engineering College, studying in Third Year has successfully completed the value added course 22MCVC501-SENSORS AND ITS USE. The duration of the course is 30 hours from 20.09.2022 to 24.09.2022.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

22MEVC601-INDUSTRIAL ELECTRONICS

ABOUT THE COURSE:

This course is designed as an introduction to the principles of analog and digital electronic circuits and motors for mechanical engineering students, to develop a basic understanding of the operation of circuits containing amplifiers, transistors and diodes. In addition, basic digital circuits and simple microprocessors are discussed to prepare the student for microprocessors systems. The experimental skills developed during the laboratory portion of the prerequisite course together with the theory of this course will enable students to perform basic design and analysis of simple analog and digital electronic circuits and motors covered during this course.

INTENDED AUDIENCE:

- II-, III- and IV-year students those wants to know the basics electronic components.
- Those wants to improve their designing knowledge of electronic components for mechanical systems.
- Those wants to know the assemblage of electronic components to make a complete system.

DURATION OF THE COURSE:

Period: 28.03.2023 to 01.04.2023

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

1. Analyze the steady state and small signal AC response of simple electronic circuits containing diodes, transistors, and operational amplifiers.
2. Apply performance criteria in the design of basic amplifier circuits and verify that the criteria were met.
3. Design and analyze circuits containing digital components and microprocessors.

COURSE IN CHARGES:

1. **Dr.S.T.KUMARAVEL, ASP/MECH, PEC**
2. **Mr.P.SELVAKUMAR,AP/MECH,PEC**

VENUE:

SEMINAR HALL II,

PAAVAI ENGINEERING COLLEGE

Note: Interested students enroll their name to the course in charge on or before 22.03.2023.

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 20.03.2023

CIRCULAR

In our department it is planned to conduct the course on "**22MEVC601-INDUSTRIAL ELECTRONICS**" for our students from 28.03.2023 to 01.04.2023.The students who are interested in electronics field register their name to the course in charge "**Dr.S.T.KUMARAVEL,ASP/MECH**" on or before **22.03.2023**.

COURSE IN CHARGES:

1. **Dr.S.T.KUMARAVEL, ASP/MECH, PEC**
2. **Mr.P.SELVAKUMAR,AP/MECH,PEC**

Head of the Department

Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR: 2022 -2023

ATTENDANCE SHEET

Year/Semester : III / VI

Name of the course: 22MEVC601-INDUSTRIAL ELECTRONICS Date: 28.03.2023

Sl.No	Register Number	Name of the student	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
1.	20107001	AAKASH.S	/	/	/	/	/
2.	20107002	AAKESH KUMAR.S	/	/	/	/	/
3.	20107006	AKASH.G	/	/	/	/	/
4.	20107008	ANBARASAN .A	/	/	/	/	/
5.	20107010	BHARANI SHAKTHI DHARAN.D.S	a	a	a	a	a
6.	20107012	DEEPESH.M	/	/	/	/	/
7.	20107013	GOPALAKANNAN.M	/	/	/	/	/
8.	20107015	JANARTHANAN.K	/	/	/	/	/
9.	20107017	KAVIN.S	/	/	/	/	/
10.	20107018	KODIYARASAN.T	/	/	a	/	/
11.	20107019	MAHENDRAN.G	/	/	/	/	/
12.	20107020	MOHAMED NASAR.R	a	/	/	/	/
13.	20107021	MOORTHI.S	/	/	/	/	/
14.	20107022	NAVEENKUMAR.J	/	/	/	/	/
15.	20107023	NAVEENKUMAR.S	/	/	/	/	/
16.	20107024	NITHESH.T	/	/	/	/	/
17.	20107025	PARTHIBAN.T.A	/	/	/	/	/
18.	20107028	RAJENDRA PRASATH.V	/	/	/	/	/
19.	20107029	RAJKUMAR.K	/	/	/	/	/
20.	20107030	RAJKUMAR.T	/	/	/	/	/
21.	20107031	RANJITH KUMAR.V	/	/	/	/	/
22.	20107032	SARAN RAJ.T	/	/	/	/	/
23.	20107033	SARATHI.C	/	/	/	/	/

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Sl.No	Register Number	Name of the student	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
24.	20107034	SARATH.S	/	/	/	/	/
25.	20107035	SASIDHARAN.V	/	/	/	/	/
26.	20107036	SATHISH.S	/	/	/	/	/
27.	20107039	SIVACHANDIRAN.C	/	/	/	/	/
28.	20107040	SIVASURYA.S	/	/	/	/	a
29.	20107041	SRINATH.D	/	/	/	/	/
30.	20107042	SUMITH.S	/	/	/	/	/
31.	20107043	THINESHKUMAR.M	/	/	/	/	/
32.	20107044	VENGATESAN.R	/	/	/	/	/
33.	20107045	VETRIVEL.P	/	/	/	/	/
34.	20107047	VISHU.D	a	a	a	a	a
35.	20107302	ASHIF ALI. M	a	a	a	a	a
36.	20107303	BIMAL BAIJU	/	/	/	/	/
37.	20107305	DHARUN. M. S	/	/	/	/	/
38.	20107306	DINESHKUMAR. S	/	/	/	/	/
39.	20107307	GOKUL M	/	/	/	/	/
40.	20107308	GOKUL. V	/	/	/	/	/
41.	20107309	GOUSHIK PRABHU	/	/	/	/	/
42.	20107310	GUNALAN M	/	/	/	/	/
43.	20107311	GUNASEKARAN. M	/	/	/	/	/
44.	20107312	HARIPRASATH. V	/	/	/	/	/
45.	20107314	KARTHICK. K. K	/	/	/	/	/
46.	20107315	KARTHICK R	/	/	/	/	/
47.	20107316	KARTHIKEYAN. K	/	/	/	/	/
48.	20107318	KIRANKUMAR. M	/	/	/	/	/
49.	20107320	KIRUBAKARAN. T	/	/	/	/	/
50.	20107321	LEOSONU I	/	/	/	/	/
51.	20107322	LOGESH.S	/	/	/	/	/
52.	20107323	MANOJKUMAR. V	/	/	/	/	/
53.	20107325	MOHAMMED RIYAS. A	a	a	a	a	a
54.	20107326	MOHAMMED RIYAS. E	a	a	a	a	a
55.	20107328	NISHANTH. R	/	/	/	/	/
56.	20107329	PRAVEENKUMAR. S	/	/	a	/	/

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Sl.No	Register Number	Name of the student	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
57.	20107330	PREMNATH. L. G	/	/	/	/	/
58.	20107331	RAGUVARAN. P	/	/	/	/	/
59.	20107332	RAJAMURUGAN. A	/	a	/	/	/
60.	20107333	RAJESHWARAN. S. M. R	/	/	/	/	/
61.	20107334	RAMBOJITH.V	a	a	a	a	a
62.	20107335	RISHIKESAVAN. C. M	/	/	/	/	/
63.	20107336	SARAVANAN. K. S	/	/	/	/	/
64.	20107337	SUDARMANI. V	/	/	/	/	/
65.	20107338	SUDHARSAN. P	/	/	/	/	/
66.	20107341	TAMILMANI. R	/	/	a	/	/
67.	20107342	TAMIZHARASU. S	/	/	/	/	/
68.	20107343	THANGAMANIKANDAN. R	/	/	/	/	/
69.	20107345	YOKESH. S	/	/	/	/	/
70.	20107501	MADHANKUMAR .M	/	/	/	/	/

COURSE IN CHARGES:

1. **Dr.S.T.KUMARAVEL, ASP/MECH, PEC**
2. **Mr.P.SELVAKUMAR,AP/MECH,PEC**

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

DEEPESH.M

of Paavai Engineering College, studying in Third Year has successfully completed the value added course 22MEVC601-INDUSTRIAL ELECTRONICS. The duration of the course is 30 hours from 28.03.2023 to 01.04.2023.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

SARATHI.S

of Paavai Engineering College, studying in Third Year has successfully completed the value added course 22MEVC601-INDUSTRIAL ELECTRONICS. The duration of the course is 30 hours from 28.03.2023 to 01.04.2023.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

GOUSHIK PRABHU

of Paavai Engineering College, studying in Third Year has successfully completed the value added course 22MEVC601-INDUSTRIAL ELECTRONICS. The duration of the course is 30 hours from 28.03.2023 to 01.04.2023.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

THANGAMANIKANDAN. R

of Paavai Engineering College, studying in Third Year has successfully completed the value added course 22MEVC601-INDUSTRIAL ELECTRONICS. The duration of the course is 30 hours from 28.03.2023 to 01.04.2023.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE

ON

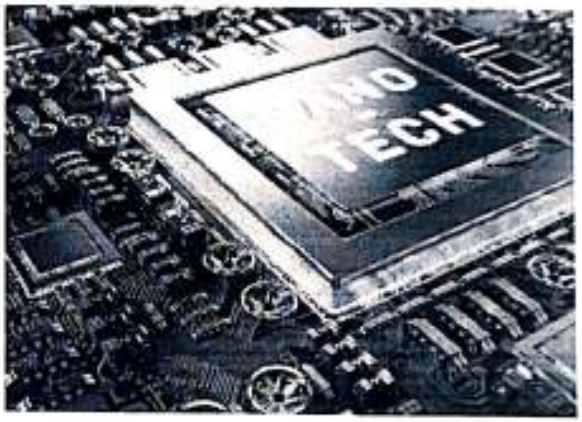
22MEVC701- NANO ELECTRONICS

ABOUT THE COURSE:

The Purpose of the course is to provide students with the basic knowledge in nano electronics. This course emphasize on nano materials, types, synthesis, interconnects and fabrication.

INTENDED AUDIENCE:

- II-, III- and IV-year students those want to know the concept of nano materials.
- Those wants know about the types and inter connection between atomic molecules of nano materials.
- One who wants to know specific application of nano materials in mechanical field.



DURATION OF THE COURSE:

Period: 20.09.2022 to 24.09.2022

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

1. Summarize the types, synthesis, interconnects and applications of carbon nano tubes.
2. Explain the concepts, functions, fabrications and applications of molecular electronics.
3. Identify and apply the suitable nano material for the specific field.

COURSE IN CHARGES:

1. **Dr.M.MAKESH, ASP/MECH, PEC**
2. **Mr.T.SATHEES, AP/MECH,PEC**

VENUE:

SEMINAR HALL II,

PAAVAI ENGINEERING COLLEGE.

Note: Interested students enroll their name to the course in charge on or before 15.09.2022.

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 12.09.2022

CIRCULAR

In our department it is planned to conduct the course on "**22MEVC701- NANO ELECTRONICS"** for our students from 20.09.2022 to 24.09.22.The students who are interested to improve their knowledge in nano materials and its application can register their name to the course co-coordinator "**Dr.M.MAKESH, ASP/MECH, PEC** "on or before **15.09.2022**.

COURSE CO-ORDINATOR:

1. **Dr.M.MAKESH, ASP/MECH, PEC** –
2. **Mr.T.SATHEES, AP/MECH,PEC** –

Head of the Department

Department of Mechanical Engineering

Copy to:

1. **All Class rooms.**
2. **Department Notice board**

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR: 2022 -2023

ATTENDANCE SHEET

Year/Semester : IV / VII

Name of the course: 22MEVC701- NANO ELECTRONICS Date: 20.09.2022

Sl.No	Register Number	Name of the student	20.09.22	21.09.22	22.09.22	23.09.22	24.09.22
1.	19107001	ABINATH.S	/	/	/	/	/
2.	19107002	ABINESH.M	/	/	/	/	/
3.	19107003	ABISEGANATHAN.M	/	/	/	/	/
4.	19107005	AKASH.P.T	/	/	/	/	/
5.	19107006	ANISHRAJ.S.B	/	/	/	/	/
6.	19107007	ANUMITHRA.S	/	/	/	/	/
7.	19107008	ARAVIND.R	/	/	/	/	/
8.	19107010	ARUN.C	/	/	/	/	/
9.	19107011	ARUNKUMAR.N	/	/	/	/	/
10.	19107012	BAGATH ILAKKIYAN.G	/	/	/	/	/
11.	19107013	CHANDRU.S	/	/	/	/	/
12.	19107014	CHARAN.G.S	/	/	/	/	/
13.	19107015	GOKULRAJ.P.S	/	/	/	/	/
14.	19107016	GOWDHAM.K	/	/	/	/	/
15.	19107017	GOWTHAM.M	/	/	/	/	/
16.	19107018	HARENARAYANAN.V	/	/	/	/	/
17.	19107019	HARI.R	/	/	/	/	/
18.	19107020	HARIHARAN.K	/	/	/	/	/
19.	19107021	HARIRAM.S	/	/	/	/	/
20.	19107022	HARISHKUMAR.M	/	/	/	/	/
21.	19107024	JINO.K	/	/	/	/	/
22.	19107025	KARTHIGAISELVAM.A	/	/	/	/	/
23.	19107026	KARTHIKEYAN S	/	/	/	/	/
24.	19107027	KARTHIKEYAN.M	/	/	/	/	/
25.	19107029	KAVIYARASU.T	/	/	/	/	/

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Sl.No	Register Number	Name of the student	26.11.18	27.11.18	28.11.18	29.11.18	30.11.18
26.	19107030	KISHORE SHANKER.R.G	/	/	/	/	/
27.	19107031	KUMARAN.K	/	/	/	/	/
28.	19107032	LOGESH.P	/	/	/	/	/
29.	19107033	LOKESHWARAN.P	/	/	/	/	/
30.	19107035	MADHAN.P	/	/	/	/	/
31.	19107036	MANIKANDAN.R	/	/	/	/	/
32.	19107037	MOHAMED RAFEEK.M	/	/	/	/	/
33.	19107038	MOHANKUMAR.K	/	/	/	/	/
34.	19107039	MOHAN.M	/	/	/	/	/
35.	19107040	MOULI PRASAD.C	/	/	/	/	/
36.	19107041	MUGUNTHAN.S	/	/	/	/	/
37.	19107042	NANDHA KUMAR.P	/	/	/	/	/
38.	19107043	NISHANTH.B	/	/	/	/	/
39.	19107044	NISHANTH.R	/	/	/	/	/
40.	19107045	PARTHIPAN.P	/	/	/	/	/
41.	19107046	PIRADEP S	/	/	/	/	/
42.	19107047	PRAKASH D	/	/	/	/	/
43.	19107048	PRAKASH K	a	/	/	/	/
44.	19107049	PRAVEEN J	/	/	/	/	/
45.	19107050	PRAVEENKUMAR B	/	/	/	/	/
46.	19107051	PRAVEENRAJ V	/	/	/	/	/
47.	19107052	RAJAGANAPATHI M	/	/	/	/	/
48.	19107053	RAJAPANDIAN S	/	/	/	/	/
49.	19107055	RAMASAMY K	/	/	/	/	/
50.	19107056	RANJITHKUMAR S	/	/	/	/	/
51.	19107057	SABARI NATHAN N	/	/	/	/	/
52.	19107058	SABARINATHAN G	/	/	/	/	/
53.	19107059	SACHIN K	/	/	/	/	/
54.	19107060	SAKTHIVEL A	/	/	/	/	/
55.	19107062	SANJAY S	/	/	/	/	/
56.	19107064	SARAN M	/	/	/	/	/
57.	19107065	SARAVANAN N	/	/	/	/	/
58.	19107066	SATHEESH S	/	/	/	/	/
59.	19107067	SATHISHKUMAR R	/	/	/	/	/

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Sl.No	Register Number	Name of the student	26.11.18	27.11.18	28.11.18	29.11.18	30.11.18
60.	19107068	SEENUVASAN K	/	/	/	/	/
61.	19107069	SELVA PRABBU N	/	/	/	/	/
62.	19107070	SHAM K	/	/	/	/	/
63.	19107071	SIVA CHANDRU KANNAN C	/	/	/	/	/
64.	19107072	SIVA GURU NATHAN C	/	/	/	/	/
65.	19107073	SIVALINGAM S	/	/	/	/	/
66.	19107074	SRIDHARPRASAD R K	/	/	/	/	/
67.	19107075	SUBA ANAND G	a	a	a	a	a
68.	19107076	SUBASH U	/	/	/	/	/
69.	19107077	SUJIN DHAS R	/	/	/	/	/
70.	19107078	SUNIL A	/	/	/	/	/
71.	19107079	SUYAMPRAKASHAM M	/	/	/	/	/
72.	19107080	THIRUSENTHILNATHAN D	/	/	/	/	/
73.	19107081	VEL PRABHAKARAN C	/	/	/	/	/
74.	19107082	VENKATESAN K	/	/	/	/	/
75.	19107083	VENKATESH S	/	/	/	/	/
76.	19107084	VENKATESHWARA G	/	/	/	/	/
77.	19107085	VIGNESH G	/	/	/	/	/
78.	19107086	VIGNESH K	/	/	/	/	/
79.	19107087	VIJAYPRIYAN M	/	/	/	/	/
80.	19107088	VINOTH N	/	/	/	/	/
81.	19107089	VISHNURAM A	/	a	/	/	/
82.	19107301	AJAY.R	/	/	/	/	/
83.	19107302	AJAY S	/	/	/	/	/
84.	19107303	AJITHKUMAR A	/	/	/	/	/
85.	19107307	BALAGANESH.V	/	/	/	/	/
86.	19107308	DHARANIDHARAN.E	/	/	/	/	/
87.	19107309	JAGAN BASKAR S	/	/	/	/	/
88.	19107310	KARTHICK S	/	/	/	/	/
89.	19107311	KUMARAGIRI A	/	/	/	/	/
90.	19107312	NANDHAKUMARAA.S	/	/	/	/	/
91.	19107313	NANTHA KUMAR P	/	/	/	/	/
92.	19107315	PARTHA SARATHI C	/	/	/	/	/
93.	19107316	PRASANTH M	/	/	/	/	/

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Sl.No	Register Number	Name of the student	26.11.18	27.11.18	28.11.18	29.11.18	30.11.18
94.	19107317	PRAVIN D	/	/	/	/	/
95.	19107318	PREMNATH S	/	/	/	/	/
96.	19107320	RAJASEKARAN S	/	/	/	/	/
97.	19107321	SRINIVASAN A	/	/	/	/	/
98.	19107322	SRIPUGAL P	/	/	/	/	/
99.	19107323	SRIRAM M	/	/	/	/	/
100.	19107324	SURIYAPRAKASH S B	/	/	/	/	/
101.	19107325	UTHAYAVAANAN V	/	/	/	/	/
102.	19107326	VENU ARAVIND M	/	/	/	/	/
103.	19107327	VIGNESH M	/	/	/	/	/
104.	19107328	ANAND M	/	/	/	/	/
105.	19107329	GOWRISHANKAR V	/	/	/	/	/
106.	19107330	SUJAN M	/	a	/	/	/
1.	622122304001	JAISRI A	/	/	/	/	/
2.	622122304002	PRAVIN R B	/	/	/	/	/
3.	622122304003	RAMGANESH K	a	a	a	a	a
4.	622122304004	SAKTHIVEL P	/	/	/	/	/
5.	622122304005	SATHISH V	/	/	/	/	/
6.	622122304006	SHALBIN.B	a	a	a	a	a
7.	622121304001	ASHOKKUMAR.R	/	/	/	/	/
8.	622121304004	GOPINATH.T	a	a	a	a	a
9.	622121304008	MANOJ.M	/	/	/	/	/
10.	622121304010	VEERA KUMARAN.V	/	/	/	/	/
11.	622121304011	SRIRAJESHRAM.R	/	/	/	/	/

COURSE CO-ORDINATOR

1. **Dr.M.MAKESH, ASP/MECH, PEC** – Signature
2. **Mr.T.SATHEES, AP/MECH,PEC** – T Sathees

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

ANUMITHRA.S

of Paavai Engineering College, studying in Final Year has successfully completed the value added course 22MEVC701 -NANO ELECTRONICS . The duration of the course is 30 hours from 20.09.2022 to 24.09.2022.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

KARTHIKEYAN.M

of Paavai Engineering College, studying in Final Year has successfully completed the value added course 22MEVC701 -NANO ELECTRONICS . The duration of the course is 30 hours from 20.09.2022 to 24.09.2022.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

MOHAMED RAFEEK.M

of Paavai Engineering College, studying in Final Year has successfully completed the value added course 22MEVC701 -NANO ELECTRONICS . The duration of the course is 30 hours from 20.09.2022 to 24.09.2022.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

SRIDHARPRASAD R K

of Paavai Engineering College, studying in Final Year has successfully completed the value added course 22MEVC701 -NANO ELECTRONICS . The duration of the course is 30 hours from 20.09.2022 to 24.09.2022.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE

ON

22MEVC801-INTRODUCTION TO ARTIFICIAL INTELLIGENCE

ABOUT THE COURSE:

The primary objective of this course is to introduce the basic principles, techniques, and applications of Artificial Intelligence. Emphasis will be placed on the teaching of these fundamentals, not on providing a mastery of specific software tools or programming environments. Assigned projects promote a 'hands-on' approach for understanding, as well as a challenging avenue for exploration and creativity.

INTENDED AUDIENCE:

- II-, III- and IV-year students those wants to know the basic principle of Artificial intelligence.
- Those wants to know the concepts and application of Artificial intelligence.
- Those wants to know the real time application of the Artificial intelligence.

DURATION OF THE COURSE:

Period: 28.03.2023 to 01.04.2023

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

1. Demonstrate fundamental understanding of the history of artificial intelligence (AI) and its foundations.
2. Apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning
3. Demonstrate awareness and a fundamental understanding of various applications of AI techniques in intelligent agents, expert systems, artificial neural networks and other machine learning models.

COURSE IN CHARGES:

1. **Dr. S.MANIRAJ,ASP/MECH, PEC**
2. **Mr. T.THANGAVEL,AP/MECH,PEC**

VENUE:

SEMINAR HALL II,

PAAVAI ENGINEERING COLLEGE

Note: Interested students enroll their name to the course in charge on or before 22.03.2023.

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 20.03.2023

CIRCULAR

In our department it is planned to conduct the course on "**22MEVC801- INTRODUCTION TO ARTIFICIAL INTELLIGENCE**" for our students from 28.03.2023 to 01.04.2023. The students who are interested in to improve their knowledge in electronics register their name to the course in charge "**Dr. S.MANIRAJ,** ASP/MECH, PEC" on or before **22.03.2023.**

COURSE IN CHARGES:

1. **Dr. S.MANIRAJ,ASP/MECH, PEC**
2. **Mr. T.THANGAVEL, AP/MECH,PEC**

Head of the Department

Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR: 2022 -2023

ATTENDANCE SHEET

Year/Semester : IV / VIII

Date: 28.03.2023

Name of the course: **22MEVC801- INTRODUCTION TO ARTIFICIAL INTELLIGENCE**

Sl.No	Register Number	Name of the student	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
1.	19107001	ABINATH.S	/	/	/	/	/
2.	19107002	ABINESH.M	/	/	/	/	/
3.	19107003	ABISEGANATHAN.M	/	/	/	/	/
4.	19107005	AKASH.P.T	/	/	/	/	/
5.	19107006	ANISHRAJ.S.B	/	/	/	/	a
6.	19107007	ANUMITHRA.S	/	/	/	/	/
7.	19107008	ARAVIND.R	/	/	/	/	/
8.	19107010	ARUN.C	/	/	/	/	/
9.	19107011	ARUNKUMAR.N	/	/	/	/	/
10.	19107012	BAGATH ILAKKIYAN.G	/	/	/	/	/
11.	19107013	CHANDRU.S	/	/	/	/	/
12.	19107014	CHARAN.G.S	/	/	/	/	/
13.	19107015	GOKULRAJ.P.S	/	/	/	/	/
14.	19107016	GOWDHAM.K	/	/	/	/	/
15.	19107017	GOWTHAM.M	/	/	/	/	/
16.	19107018	HARENARAYANAN.V	/	/	/	/	/
17.	19107019	HARI.R	/	/	/	/	/
18.	19107020	HARIHARAN.K	/	/	/	/	/
19.	19107021	HARIRAM.S	/	/	/	/	/
20.	19107022	HARISHKUMAR.M	/	/	/	/	/
21.	19107024	JINO.K	/	/	/	/	/
22.	19107025	KARTHIGAISELVAM.A	/	/	/	/	/
23.	19107026	KARTHIKEYAN.S	/	/	/	/	/
24.	19107027	KARTHIKEYAN.M	/	/	/	/	/
25.	19107029	KAVIYARASU.T	/	/	/	/	/

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Sl.No	Register Number	Name of the student	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
26.	19107030	KISHORE SHANKER.R.G	/	/	/	/	/
27.	19107031	KUMARAN.K	/	/	/	/	/
28.	19107032	LOGESH.P	/	/	/	/	/
29.	19107033	LOKESHWARAN.P	/	/	/	/	/
30.	19107035	MADHAN.P	/	/	/	/	/
31.	19107036	MANIKANDAN.R	/	/	/	/	/
32.	19107037	MOHAMED RAFEEK.M	/	/	/	/	/
33.	19107038	MOHANKUMAR.K	/	/	/	/	/
34.	19107039	MOHAN.M	/	/	/	/	/
35.	19107040	MOULI PRASAD.C	/	/	/	/	/
36.	19107041	MUGUNTHAN.S	/	/	/	/	/
37.	19107042	NANDHA KUMAR.P	/	/	/	/	/
38.	19107043	NISHANTH.B	/	/	/	/	/
39.	19107044	NISHANTH.R	/	/	/	/	/
40.	19107045	PARTHIPAN.P	/	/	/	/	/
41.	19107046	PIRADEP S	/	/	/	/	/
42.	19107047	PRAKASH D	/	a	/	/	/
43.	19107048	PRAKASH K	/	/	/	/	/
44.	19107049	PRAVEEN J	/	/	/	/	/
45.	19107050	PRAVEENKUMAR B	/	/	/	/	/
46.	19107051	PRAVEENRAJ V	/	/	/	/	/
47.	19107052	RAJAGANAPATHI M	/	/	/	/	/
48.	19107053	RAJAPANDIAN S	/	/	/	/	/
49.	19107055	RAMASAMY K	/	/	/	/	/
50.	19107056	RANJITHKUMAR S	/	/	/	/	/
51.	19107057	SABARI NATHAN N	/	/	/	/	/
52.	19107058	SABARINATHAN G	/	/	/	/	/
53.	19107059	SACHIN K	a	a	a	a	a
54.	19107060	SAKTHIVEL A	/	/	/	/	/
55.	19107062	SANJAY S	/	/	/	/	/
56.	19107064	SARAN M	/	/	/	/	/
57.	19107065	SARAVANAN N	/	/	/	/	/
58.	19107066	SATHEESH S	/	/	/	/	/
59.	19107067	SATHISHKUMAR R	/	/	/	/	/
60.	19107068	SEENUVASAN K	/	/	/	/	/

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Sl.No	Register Number	Name of the student	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
61.	19107069	SELVA PRABBU N	/	/	/	/	/
62.	19107070	SHAM K	/	/	/	/	/
63.	19107071	SIVA CHANDRU KANNAN C	/	/	/	/	/
64.	19107072	SIVA GURU NATHAN C	/	/	/	/	/
65.	19107073	SIVALINGAM S	/	/	/	/	/
66.	19107074	SRIDHARPRASAD R K	/	/	/	/	/
67.	19107075	SUBA ANAND G	a	/	/	/	/
68.	19107076	SUBASH U	/	/	/	/	/
69.	19107077	SUJIN DHAS R	/	/	/	/	/
70.	19107078	SUNIL A	/	/	/	/	/
71.	19107079	SUYAMPRAKASHAM M	/	/	/	/	/
72.	19107080	THIRUSENTHILNATHAN D	/	/	/	/	/
73.	19107081	VEL PRABHAKARAN C	/	/	/	/	/
74.	19107082	VENKATESAN K	/	/	/	/	/
75.	19107083	VENKATESH S	/	/	/	/	/
76.	19107084	VENKATESHWARA G	/	/	/	/	/
77.	19107085	VIGNESH G	/	/	/	/	/
78.	19107086	VIGNESH K	/	/	/	/	/
79.	19107087	VIJAYPRIYAN M	/	a	/	/	/
80.	19107088	VINOTH N	/	/	/	/	/
81.	19107089	VISHNURAM A	a	a	a	a	a
82.	19107301	AJAY.R	/	/	/	/	/
83.	19107302	AJAY S	/	/	/	/	/
84.	19107303	AJITHKUMAR A	/	/	/	/	/
85.	19107307	BALAGANESH.V	/	/	/	/	/
86.	19107308	DHARANIDHARAN.E	/	/	/	/	/
87.	19107309	JAGAN BASKAR S	/	/	/	/	/
88.	19107310	KARTHICK S	/	/	/	/	/
89.	19107311	KUMARAGIRI A	/	/	/	/	/
90.	19107312	NANDHAKUMARAA.S	/	/	/	/	/
91.	19107313	NANTHA KUMAR P	/	/	/	/	/
92.	19107315	PARTHA SARATHI C	/	/	/	/	/
93.	19107316	PRASANTH M	/	/	/	/	a
94.	19107317	PRAVIN D	/	/	/	/	/
95.	19107318	PREMNATH S	/	/	/	/	/
96.	19107320	RAJASEKARAN S	/	/	/	/	/

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Sl.No	Register Number	Name of the student	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
97.	19107321	SRINIVASAN A	/	/	/	/	/
98.	19107322	SRIPUGAL P	/	/	a	/	/
99.	19107323	SRIRAM M	/	/	/	/	/
100.	19107324	SURIYAPRAKASH S B	/	/	/	/	/
101.	19107325	UTHAYAVAANAN V	/	/	/	/	/
102.	19107326	VENU ARAVIND M	/	/	/	/	/
103.	19107327	VIGNESH M	/	/	/	/	/
104.	19107328	ANAND M	/	/	/	/	/
105.	19107329	GOWRISHANKAR V	/	/	/	/	/
106.	19107330	SUJAN M	/	/	/	/	/
1.	622122304001	JAISRI A	/	/	/	/	/
2.	622122304002	PRAVIN R B	/	/	/	/	/
3.	622122304003	RAMGANESH K	a	a	a	a	a
4.	622122304004	SAKTHIVEL P	/	/	/	/	/
5.	622122304005	SATHISH V	/	/	/	/	/
6.	622122304006	SHALBIN.B	a	a	a	a	a

COURSE IN CHARGES:

1. **Dr. S.MANIRAJ,ASP/MECH, PEC**
2. **Mr. T.THANGAVEL, AP/MECH,PEC**

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

ABISEGANATHAN.M

of Paavai Engineering College, studying in Final Year has successfully completed the value added course 21MEVC801-IMAGE PROCESSING. The duration of the course is 30 hours from 28.03.2023 to 01.04.2023.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

HARISHKUMAR.M

of Paavai Engineering College, studying in Final Year has successfully completed the value added course 21MEVC801-IMAGE PROCESSING. The duration of the course is 30 hours from 28.03.2023 to 01.04.2023.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

RAJAGANAPATHI M

of Paavai Engineering College, studying in Final Year has successfully completed the value added course 21MEVC801-IMAGE PROCESSING. The duration of the course is 30 hours from 28.03.2023 to 01.04.2023.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

SRIPUGAL P

of Paavai Engineering College, studying in Final Year has successfully completed the value added course 21MEVC801-IMAGE PROCESSING. The duration of the course is 30 hours from 28.03.2023 to 01.04.2023.

Course Coordinator	HOD	Principal

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PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF MECHATRONICS

DATE: 29.8.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "22MTVC301 - SMART MANUFACTURING" for Third semester students from 5.9.2022 to 9.9.2022. The interested students are asked to enroll their names to the Course in-charges C. SUMITHRA, AP/MCT and S. RAJASEKAR, AP/MCT on or before 9.9.2022.

Course in-charges: 1. C. SUMITHRA, AP/MCT

2. S. RAJASEKAR, AP/MCT

29/8/2022

HOD/MCT

Copy to:

Notice board

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)

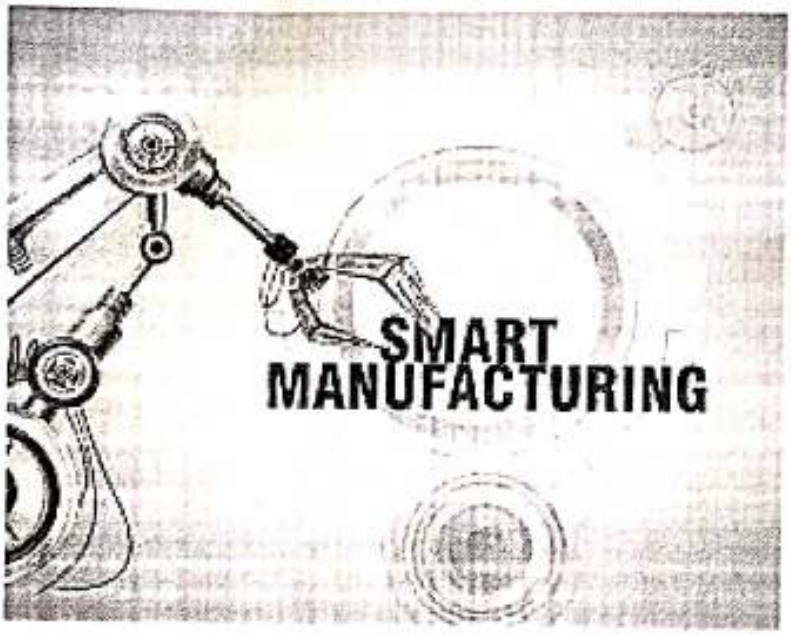
DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

22MTVC301 - SMART MANUFACTURING

COURSE CONTENT:

- ✓ 3D PRINTING
- ✓ CAD FOR MANUFACTURING
- ✓ MANUFACTURING TECHNIQUES
- ✓ APPLICATIONS



DATE : 5.9.2022 to 9.9.2022

VENUE: T328

COURSE IN-CHARGE

C. SUMITHRA, AP/MCT

S. RAJASEKAR, AP/MCT

22MTVC301 SMART MANUFACTURING

COURSE OBJECTIVES

To enable the students to

- gain knowledge and skills related to 3D printing technologies.
- learn the selection of material, equipment and development of a product for Industry 4.0 environment.
- understand the various software tools, process and techniques for digital manufacturing.

UNIT 1 3D PRINTING

Introduction, Process. Classifications, Advantages, Additive v/s Conventional Manufacturing processes, Applications.

UNIT 2 CAD FOR MANUFACTURING

CAD Data formats, Data translation, Data loss, STL format.

UNIT 3 MANUFACTURING TECHNIQUES

Stereo- Lithography, LOM, FDM, SLS, SLM, Binder Jet technology. Process, Process parameter, Process Selection for various applications.

UNIT 4 APPLICATION DOMAINS

Aerospace, Electronics, Health Care, Defense, Automotive, Construction, Food Processing, Machine Tools.

UNIT 5 APPLICATIONS

Diameter Inspection of Rivets– Tubing Inspection– Machine Vision in Manufacturing - Robot Guidance.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- develop CAD models for 3D printing.
- import and Export CAD data and generate .stl file.
- select a specific material for the given application.

TEXT BOOKS

1. Andreas Gebhardt, "Understanding Additive Manufacturing: Rapid Prototyping, Rapid Tooling, Rapid Manufacturing", Hanser Publisher, 2011.

REFERENCES

1. Zhiqiang Fan And Frank Liou, "Numerical Modelling of the Additive Manufacturing (AM) Processes of Titanium Alloy", InTech, 2012.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF MECHATRONICS

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II / III

Name of the course : 22MTVC301 - SMART MANUFACTURING

S. No	Register Number	Student Name	5.9.22	6.9.22	7.9.22	8.9.22	9.9.22
1	622121108001	AATHIKESAN.P	/	/	/	/	/
2	622121108002	ABDUL HEMEED.K	/	/	/	/	/
3	622121108003	AJIN.J	/	/	/	/	/
4	622121108004	ARIVU NETHAJI.R	/	/	/	/	/
5	622121108005	BUVANESH.B.J	/	/	/	/	/
6	622121108006	CHANDRU.P	/	/	/	/	/
7	622121108008	DHIVYA.V	/	/	/	/	/
8	622121108009	DINESHKUMAR.G	/	/	/	/	/
9	622121108011	GNANAVELAN.M	/	/	/	/	/
10	622121108012	GOKUL.S	/	/	/	/	/
11	622121108013	HARESH.S	/	ab	/	/	/
12	622121108014	HARIHARAN.B	/	/	/	ab	/
13	622121108015	JASMINE.J	/	/	/	/	/
14	622121108017	KALAIVANAN.K	/	/	/	/	/
15	622121108018	KANNAN.A	/	/	/	/	/
16	622121108019	KARTHIK.A	/	/	/	/	/
17	622121108020	KISHORE.B	ab	ab	ab	ab	ab
18	622121108021	MERVIN.M	/	/	/	/	/
19	622121108022	MIDHUN.S	/	/	/	/	/
20	622121108023	MUHAMMAD MUSTHAFA	/	/	/	/	/
21	622121108024	MURALI.S	ab	ab	ab	ab	ab

22	622121108025	MUTHUPANDI.M	/	/	/	/	/
23	622121108026	PRADEEP.S	/	/	/	/	/
24	622121108027	PRANAVU K PRASAD	/	/	/	ab	/
25	622121108028	PRATHAP.A	/	/	/	/	/
26	622121108029	PRITHIK RAJ.R.J	/	/	/	/	/
27	622121108030	RADHAKRISHNAN.V	/	/	/	/	/
28	622121108031	RAGHUL BABU.B	/	/	/	/	/
29	622121108033	RANJITH.S	/	/	/	/	/
30	622121108034	SANGAMESHWAR KAVIN.G	/	/	/	/	/
31	622121108035	SANJIVI.D	/	/	/	/	/
32	622121108036	SATHEESH KUMAR.P	ab	ab	ab	ab	ab
33	622121108038	SHEIK MUSTHAFA.K	/	/	/	/	/
34	622121108039	SRIDHARAN.L	/	/	/	/	/
35	622121108040	SRINIVINTHRAJ.M	/	/	/	/	/
36	622121108041	SUBASH.A	/	/	/	/	/
37	622121108042	SURIYA.S	/	/	/	/	/
38	622121108043	UDHAYANANTH.J	/	/	/	/	/
39	622121108044	VIKNESH.G	/	/	/	/	/
40	622121108045	VISHNU.K	/	/	/	/	/
41	622121108046	YUKESH.S	/	/	/	/	/
42	622121108301	ELAVARASAN R	/	/	/	/	/
43	622121108303	MOHANKUMAR.S	/	/	/	/	/
44	622121108304	MOHANRAJ T	/	/	/	/	/
45	622121108305	SAKCHIN VICTOR NATHAN A	/	/	/	/	/

Course in-charge

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

ARIVU NETHAJI.R

of Paavai Engineering College, studying in Second year has successfully completed the Value Added Course **"22MTVC301 - SMART MANUFACTURING"**. The duration of the course is 30 hours **(5.9.2022** to **9.9.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

ABDUL HEMEED.K

of Paavai Engineering College, studying in Second year has successfully completed the Value Added Course **"22MTVC301 - SMART MANUFACTURING"**. The duration of the course is 30 hours **(5.9.2022** to **9.9.2022)**.

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

BUVANESH.B.J

of Paavai Engineering College, studying in Second year has successfully completed the Value Added Course **"22MTVC301 - SMART MANUFACTURING"**. The duration of the course is 30 hours **(5.9.2022** to **9.9.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

AATHIKESAN.P

of Paavai Engineering College, studying in Second year has successfully completed the Value Added Course **"22MTVC301 - SMART MANUFACTURING"**. The duration of the course is 30 hours **(5.9.2022** to **9.9.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

AJIN.J

of Paavai Engineering College, studying in Second year has successfully completed the Value Added Course **"22MTVC301 - SMART MANUFACTURING"**. The duration of the course is 30 hours **(5.9.2022** to **9.9.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF MECHATRONICS

DATE: 18.7.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "22MTVC501 - HYBRIDIZATION OF AUTOMOBILE" for Fifth semester students from 25.7.2022 to 29.7.2022. The interested students are asked to enroll their names to the Course in-charges Dr. R.T. AJAYKARTHIK, ASP/MCT and C. RAVIKUMAR, AP/MCT on or before 25.7.2022.

Course in-charges: 1. Dr. R.T. AJAYKARTHIK, ASP/MCT

2. C. RAVIKUMAR, AP/MCT

18/7/2022
HOD/MCT

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PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)

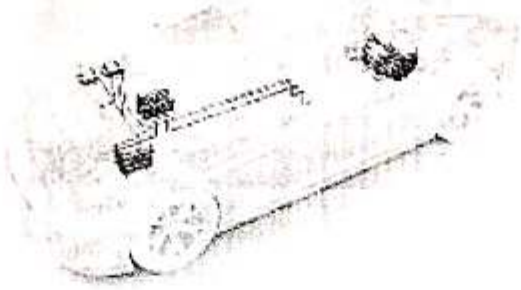
DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

22MTVC501 - HYBRIDIZATION OF AUTOMOBILE

COURSE CONTENT:

- ✓ BASICS OF THE HEV
- ✓ VEHICLE MODEL, VEHICLE PERFORMANCE
- ✓ BATTERY CHARGING
- ✓ PLUG-IN HYBRID ELECTRIC VEHICLES



DATE : 25.7.2022 to 29.7.2022

VENUE: T327

COURSE IN-CHARGE

Dr. R.T. AJAYKARTHIK, ASP/MCT

C. RAVIKUMAR, AP/MCT

22MTVC501 HYBRIDIZATION OF AUTOMOBILE

COURSE OBJECTIVES

To enable the students to

- know the basics of electric and hybrid electric vehicles, their architecture, technologies and fundamental
- learn the hybrid electric vehicle architecture, design and component sizing and the power electronics devices used in hybrid electric vehicles.
- understand various electric drives suitable for hybrid electric vehicles.

UNIT 1 INTRODUCTION

Sustainable Transportation, A Brief History of HEVs, Why EVs Emerged and Failed, Architectures of HEVs, Interdisciplinary Nature of HEVs, State of the Art of HEVs, Challenges and Key Technology.

UNIT 2 HYBRIDIZATION OF THE AUTOMOBILE

Vehicle Basics, Basics of the EV, Basics of the HEV, Basics of Plug-In Hybrid Electric Vehicle (PHEV), Basics of Fuel Cell Vehicles (FCVs).

UNIT 3 HEV FUNDAMENTALS

Introduction, Vehicle Model, Vehicle Performance, EV Powertrain Component Sizing, Series Hybrid Vehicle, Parallel Hybrid Vehicle, Wheel Slip Dynamics.

UNIT 4 PLUG-IN HYBRID ELECTRIC VEHICLES

Introduction to PHEVs, PHEV Architectures, Equivalent Electric Range of Blended PHEVs, Fuel Economy of PHEVs.

UNIT 5 SIZING OF EREVS

Power Management of PHEVs, Component Sizing of EREVs, Component Sizing of Blended PHEVs, Vehicle-to-Grid Technology.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- explain the basics of electric and hybrid electric vehicles, their architecture, technologies and fundamentals.
- analyse the use of different power electronics devices and electrical machines in hybrid electric vehicles.

TEXT BOOKS

1. Iqbal Hussein, "Electric and Hybrid Vehicles: Design Fundamentals", CRC Press, 2nd Edition, 2013.

REFERENCES

1. Seth Leitman, "Build Your Own Electric Vehicle" MC Graw Hill, 1st Edition, 2014.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NAMAKKAL

DEPARTMENT OF MECHATRONICS

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III / V

Name of the course : 22MTVC501 - HYBRIDIZATION OF AUTOMOBILE

S. No	Register Number	Student Name	25.7.22	26.7.22	27.7.22	28.7.22	29.7.22
1	20108001	ADHITHYA.M	/	/	/	/	/
2	20108002	ADITYA.K	/	/	/	/	/
3	20108003	BARATH.S	/	/	/	/	/
4	20108004	DHINESH.K	/	/	/	/	/
5	20108005	DINESHKUMAR.G	/	/	/	/	/
6	20108006	FINNEY BABU	/	/	/	/	/
7	20108007	KAMALESH.N	/	/	/	/	/
8	20108008	KRISHVA.R	/	/	/	/	/
9	20108009	MEGANATHAN.C	/	/	/	/	/
10	20108010	NAVEEN.V	/	/	/	/	/
11	20108012	PARTHIBAN.S	/	/	/	/	/
12	20108013	PUGAZHENTHI.E	/	/	/	/	/
13	20108014	RAMACHANDRAN.S	a	/	/	/	/
14	20108015	SARAN.G	/	/	/	a	/
15	20108016	SENTHAMIL SELVAN.M	/	/	/	/	/
16	20108017	VIJAY.K	/	/	/	/	/
17	20108018	YANAMALA MAHI SUDHARASAN RAJU	a	a	a	a	a
18	20108019	YOGESHWARAN.B	/	/	/	/	/
19	20108301	DHIVAKARAN.R	/	/	/	/	/
20	20108302	KRISHNA KUMAR.P	a	/	/	/	/

21	20108303	NAVANETHAN.R	/	/	/	/	/
22	20108304	NAVEEN NISHANNTH.S. R	a	a	a	a	a
23	20108305	VENKATESH.S	/	/	/	/	/
24	20108501	SUBRAMANI.R	/	/	/	/	/

Course in-charge

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

ADHITHYA.M

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"22MTVC501 - HYBRIDIZATION OF AUTOMOBILE". The duration of the course is 30 hours

(25.7.2022 to **29.7.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

[illegible] (Formerly [illegible]), Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

BARATH.S

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"22MTVC501 - HYBRIDIZATION OF AUTOMOBILE". The duration of the course is 30 hours

(25.7.2022 to **29.7.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

ADITYA.K

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"22MTVC501 - HYBRIDIZATION OF AUTOMOBILE". The duration of the course is 30 hours

(25.7.2022 to **29.7.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

[illegible] Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

DHINESH.K

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"22MTVC501 - HYBRIDIZATION OF AUTOMOBILE". The duration of the course is 30 hours

(25.7.2022 to **29.7.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

[illegible] (Formerly [illegible]), Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

DINESHKUMAR.G

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"22MTVC501 - HYBRIDIZATION OF AUTOMOBILE". The duration of the course is 30 hours

(25.7.2022 to **29.7.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF MECHATRONICS

DATE: 18.7.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "22MTVC701 - INDUSTRIAL LASER SYSTEMS" for Seventh semester students from 25.7.2022 to 29.7.2022. The interested students are asked to enroll their names to the Course in-charges Dr. C. SURESH, ASP/MCT and S. MANIKANDAN, AP/MCT on or before 25.7.2022.

Course in-charges: 1. Dr. C. SURESH, ASP/MCT

2. S. MANIKANDAN, AP/MCT

18/7/2022

HOD/MCT

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PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)

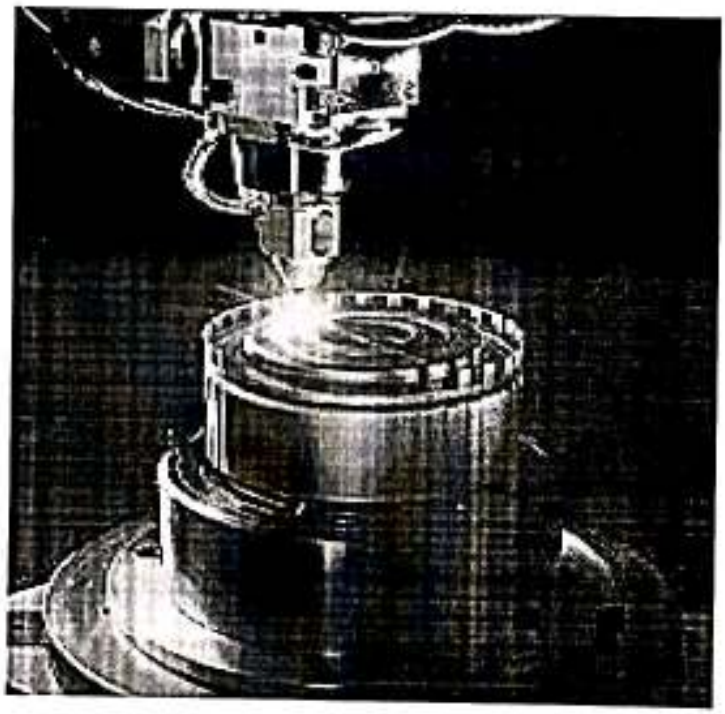
DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

22MTVC701 - INDUSTRIAL LASER SYSTEMS

COURSE CONTENT:

- ✓ INTRODUCTION
- ✓ SURFACE TREATMENT
- ✓ LASER WELDING
- ✓ ABSORPTIVITY



DATE : 25.7.2022 to 29.7.2022

VENUE: T326

COURSE IN CHARGE

Dr. C. SURESH, ASP/MCT

S. MANIKANDAN, AP/MCT

22MTVC701 INDUSTRIAL LASER SYSTEMS

COURSE OBJECTIVES

To enable the students to

- Know the industrial laser systems and interaction of laser radiation.
- aware the applications of lasers in various materials processing like cutting, welding, surface treatment.

UNIT 1 INTRODUCTION

High power laser systems - Focusing optics - Steering optics - Mechanisms - Overview of industrial lasers - CW &pulsed - Q-switched and Mode locked.

UNIT 2 SURFACE TREATMENT

Surface modification - surface cladding - surface alloying - Hard facing - Shock hardening - laser parameters for surface alloying - process variables - Beam profiles - Different methods to obtain desired penetration depths - Experimental set-up.

UNIT 3 LASER WELDING

Different modes of laser beam welding - Comparison between laser beam and electron beam welding - Influence of different parameters.

UNIT 4 ABSORPTIVITY

Welding speed - Focusing conditions - Advantages and limitations of laser welding - Laser welding of industrial materials

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- gain knowledge about metrological applications
- explain the various laser welding methods.

TEXT BOOKS

1. Ian W. Boyd, 'Laser Processing of Thin Films and Microstructures', Springer - Verlag, 2014.

REFERENCES

1. Duley W.W., 'Laser Processing and Analysis of Materials', Plenum Press, New York, 2012.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NAMAKKAL

DEPARTMENT OF MECHATRONICS

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV / VII

Name of the course : 22MTVC701 - INDUSTRIAL LASER SYSTEMS

S. No	Register Number	Student Name	25.7.22	26.7.22	27.7.22	28.7.22	29.7.22
1	19108001	ABINESH.S	/	/	/	/	/
2	19108003	ANTONYRAJ.M	/	/	/	/	/
3	19108005	ARJUN.O	/	/	/	/	/
4	19108006	ASHWIN. E.A	/	/	/	/	/
5	19108007	ASWIN SANTHOSH	/	/	/	/	/
6	19108008	BATHINA RAKESH	/	/	/	/	/
7	19108009	BHUVANSHANKAR.H	/	/	/	/	/
8	19108010	CHANDRUSTAR.M	/	/	/	/	/
9	19108012	DHARANIVENTHAN.R	/	/	/	/	/
10	19108013	DHARUN.M	/	/	/	/	/
11	19108014	DINAKARAN.S.P	/	/	/	/	/
12	19108015	ELAIYAGURU.M	A	A	A	A	A
13	19108016	EMBEATY ABHINAV	/	/	/	/	/
14	19108017	GOKUL.R	/	/	/	/	/
15	19108018	GOKUL.V	/	/	/	/	/
16	19108020	HARIKARAN.P	/	/	A	/	/
17	19108021	HARISH.B	/	/	/	/	/
18	19108022	HARISH.M	/	/	/	/	/
19	19108023	JAYASURYA.A	/	/	/	/	/
20	19108024	KUMARAGURU.M	A	A	A	A	A
21	19108025	LOGANATHAN.K	/	/	/	/	/

22	19108026	LOGESH.S	/	/	/	/	A
23	19108027	MAHESH KUMAR.K	/	/	/	/	/
24	19108028	MANIKANDAN.J	/	/	/	/	/
25	19108030	MANOJKUMAR.R	/	/	/	/	/
26	19108031	MOHAMED AKRAM UMAR.M.B	A	A	A	A	A
27	19108032	MOHANATHAN.K	/	/	/	/	/
28	19108034	NAGA SIVA SANGARAPANDIAN.L	/	/	/	/	/
29	19108035	NAGAPANDIAN.G.C	/	/	/	/	/
30	19108036	NARAYANAN.V	/	/	/	/	/
31	19108037	PRAVEEN.P	A	/	/	/	/
32	19108038	PRAVEEN KUMAR.V	/	/	/	/	/
33	19108039	PRAVIN.P	/	/	/	/	/
34	19108040	RAGUL.R	/	/	/	/	/
35	19108041	RITHICKROSHAN.R	A	A	A	A	A
36	19108042	SANJAI.G	/	/	/	/	/
37	19108043	SANTHOSH.S.T	/	/	/	/	/
38	19108044	SUBANESAN.R	/	/	/	/	/
39	19108046	THIRUKUMAR.S	A	A	A	A	A
40	19108047	VENGADESH.G	/	/	/	/	/
41	19108048	VIGNESH.K	/	/	/	/	/
42	19108049	VIJAYASARATHI.E	/	/	/	/	/
43	19108050	VIKNESWARAN.M	/	/	/	/	/
44	19108051	VINOTH KUMAR S	/	/	/	/	/
45	19108052	YOKESHWARAN.R	/	/	/	A	/

Course in-charge

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Mechatronics

CERTIFICATE

This is to certify that

ABINESH.S

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"22MTVC701 - INDUSTRIAL LASER SYSTEMS". The duration of the course is

30 hours **(25.7.2022** to **29.7.2022)**.

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Mechatronics

CERTIFICATE

This is to certify that

ANTONYRAJ.M

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"22MTVC701 - INDUSTRIAL LASER SYSTEMS". The duration of the course is

30 hours **(25.7.2022** to **29.7.2022)**.

Course in-charge | HOD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Mechatronics

CERTIFICATE

This is to certify that

ARJUN.O

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"22MTVC701 - INDUSTRIAL LASER SYSTEMS". The duration of the course is

30 hours **(25.7.2022** to **29.7.2022)**.

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Mechatronics

CERTIFICATE

This is to certify that

ASWIN SANTHOSH

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"22MTVC701 - INDUSTRIAL LASER SYSTEMS". The duration of the course is

30 hours (**25.7.2022** to **29.7.2022**).

Course in-charge

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Mechatronics

CERTIFICATE

This is to certify that

ASHWIN. E.A

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"22MTVC701 - INDUSTRIAL LASER SYSTEMS". The duration of the course is

30 hours **(25.7.2022** to **29.7.2022)**.

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF MECHATRONICS

DATE: 2.1.2023

CIRCULAR

It is planned to conduct Five Days Value Added Course on "22MTVC401 - ELECTRONICS PROCESS CONTROL" for Fourth semester students from 9.1.2023 to 13.1.2023. The interested students are asked to enroll their names to the Course in-charges C. VIBIN STALIN, AP/MCT and M. VETRISELVAN AP/MCT on or before 9.1.2023.

Course in-charges: 1. C. VIBIN STALIN, AP/MCT

2. M. VETRISELVAN, AP/MCT

HOD/MCT

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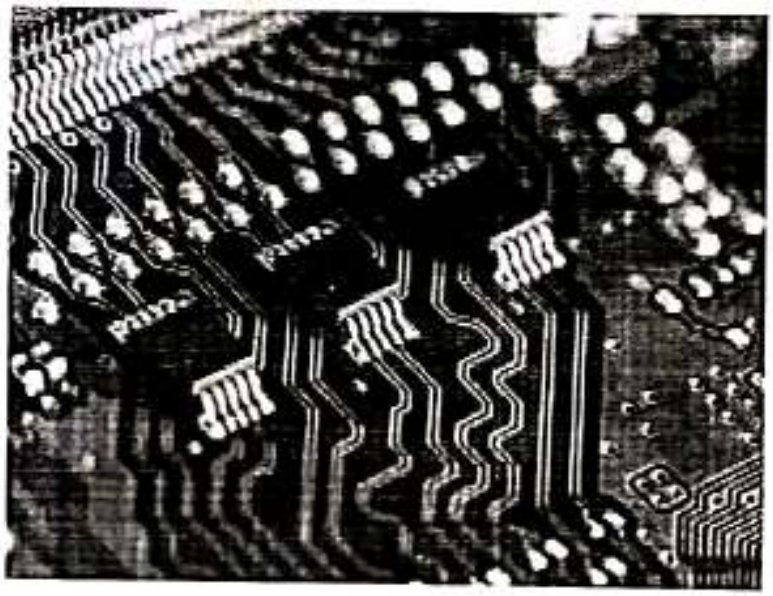
DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

22MTVC401 - ELECTRONICS PROCESS CONTROL

COURSE CONTENT:

- ✓ CONVERTERS AND INVERTERS
- ✓ DC AND AC MOTOR CONTROL
- ✓ SERVO AND STEPPER MOTOR CONTROL
- ✓ RELAYS, HEATING CONTROL
- ✓ MOTION CONTROL



DATE : 9.1.2023 to 13.1.2023

VENUE: T328

COURSE IN CHARGE

C. VIBIN STALIN, AP/MCT

M. VETRISELVAN, AP/MCT

22MTVC401 **ELECTRONICS PROCESS CONTROL**

COURSE OBJECTIVES

To enable the students to

- impart students with analysis of converters and inverters
- outline the formal procedures for relays, heating & welding control
- introduce the concept of process control

UNIT 1 CONVERTERS AND INVERTERS **6**

Analysis of controlled and fully controlled converters-Dual converters; Analysis of voltage source and current source- current source and series converters

UNIT 2 DC AND AC MOTOR CONTROL **6**

Method of controlling speed- Basic control circuit-DC motor control- AC motor control

UNIT 3 SERVO AND STEPPER MOTOR CONTROL **6**

Servo motor control- Stepper motor control- micro controller-based speed control – solid state motor control-PLL control of a DC motor control

UNIT 4 RELAYS, HEATING CONTROL **6**

Introduction- principle of relays- electromechanical relay- solid state relays- Latching relays timing relays- Induction heating- dielectric heating

UNIT 5 MOTION CONTROL **6**

Elements of process control- temperature control- Flow control- Level control- Methods of motion control- feedback control- Direct digital control

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- design Analysis of voltage source and current source
- acquire knowledge on the basics about principle of relays
- design the process control of elements

TEXT BOOKS

1. Biswanath Paul- Industrial electronics and control- prentice Hall India publisher-2015.

REFERENCES

1. Terry Baltelt- Industrial electronics, devices, systems and applications- Delmar publishers- 2012.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF MECHATRONICS

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II / IV

Name of the course : 22MTVC401 - ELECTRONICS PROCESS CONTROL

S. No	Register Number	Student Name	9.1.23	10.1.23	11.1.23	12.1.23	13.1.23
1	622121108001	AATHIKESAN.P	/	/	/	/	/
2	622121108002	ABDUL HEMEED.K	/	/	/	/	/
3	622121108003	AJIN.J	/	/	/	/	/
4	622121108004	ARIVU NETHAJI.R	/	/	/	/	/
5	622121108005	BUVANESH.B.J	/	/	/	/	/
6	622121108006	CHANDRU.P	/	/	/	/	/
7	622121108008	DHIVYA.V	/	/	/	/	/
8	622121108009	DINESHKUMAR.G	/	/	/	/	/
9	622121108011	GNANAVELAN.M	/	/	/	/	/
10	622121108012	GOKUL.S	/	/	/	AB	/
11	622121108013	HARESH.S	/	/	/	/	/
12	622121108014	HARIHARAN.B	/	/	/	/	/
13	622121108015	JASMINE.J	/	/	/	/	/
14	622121108017	KALAIVANAN.K	AB	/	/	/	/
15	622121108018	KANNAN.A	/	/	/	/	/
16	622121108019	KARTHIK.A	/	/	/	/	/
17	622121108020	KISHORE.B	AB	AB	AB	AB	AB
18	622121108021	MERVIN.M	/	/	/	/	/
19	622121108022	MIDHUN.S	/	/	/	/	/
20	622121108023	MUHAMMAD MUSTHAFA	/	/	/	/	/
21	622121108024	MURALI.S	/	/	/	AB	/

22	622121108025	MUTHUPANDI.M	/	/	/	/	/
23	622121108026	PRADEEP.S	/	/	/	/	/
24	622121108027	PRANAVU K PRASAD	AB	AB	AB	AB	AB
25	622121108028	PRATHAP.A	/	/	/	/	/
26	622121108029	PRITHIK RAJ.R.J	/	/	/	/	/
27	622121108030	RADHAKRISHNAN.V	/	/	/	/	/
28	622121108031	RAGHUL BABU.B	/	/	/	AB	/
29	622121108033	RANJITH.S	/	/	/	/	/
30	622121108034	SANGAMESHWAR KAVIN.G	/	/	/	/	/
31	622121108035	SANJIVI.D	/	/	/	/	/
32	622121108036	SATHEESH KUMAR.P	AB	AB	AB	AB	AB
33	622121108038	SHEIK MUSTHAFA.K	/	/	/	/	/
34	622121108039	SRIDHARAN.L	/	/	/	/	/
35	622121108040	SRINIVINTHRAJ.M	/	/	/	/	/
36	622121108041	SUBASH.A	/	/	/	/	/
37	622121108042	SURIYA.S	/	/	/	/	/
38	622121108043	UDHAYANANTH.J	AB	AB	AB	AB	AB
39	622121108044	VIKNESH.G	/	/	/	/	/
40	622121108045	VISHNU.K	/	/	/	/	/
41	622121108046	YUKESH.S	/	/	/	/	/
42	622121108301	ELAVARASAN.R	/	/	/	/	/
43	622121108303	MOHANKUMAR.S	/	/	/	/	/
44	622121108304	MOHANRAJ .T	AB	AB	AB	AB	AB
45	622121108305	SAKCHIN VICTOR NATHAN.A	/	/	/	/	/

Course in-charge

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

DINESHKUMAR.G

of Paavai Engineering College, studying in second year has successfully completed the Value Added Course

"22MTVC401 - ELECTRONICS PROCESS CONTROL". The duration of the course is 30 hours

(9.1.2023 to **13.1.2023).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

GOKUL.S

of Paavai Engineering College, studying in second year has successfully completed the Value Added Course

"22MTVC401 - ELECTRONICS PROCESS CONTROL". The duration of the course is 30 hours

(9.1.2023 to **13.1.2023).**

Course In-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

DHIVYA.V

of Paavai Engineering College, studying in second year has successfully completed the Value Added Course

"22MTVC401 - ELECTRONICS PROCESS CONTROL". The duration of the course is 30 hours

(9.1.2023 to **13.1.2023).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

CHANDRU.P

of Paavai Engineering College, studying in second year has successfully completed the Value Added Course

"22MTVC401 - ELECTRONICS PROCESS CONTROL". The duration of the course is 30 hours

(9.1.2023 to **13.1.2023).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

[illegible] (Formerly NIEC), Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

GNANAVELAN.M

of Paavai Engineering College, studying in second year has successfully completed the Value Added Course

"22MTVC401 - ELECTRONICS PROCESS CONTROL". The duration of the course is 30 hours

(9.1.2023 to **13.1.2023).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF MECHATRONICS

DATE: 19.12.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "22MTVC601 - MEDITATION AND BALANCED DIET" for Sixth semester students from 26.12.2022 to 30.12.2022. The interested students are asked to enroll their names to the Course in-charges R. ARUNBABU, AP/MCT and S. DHINAKAR, AP/MCT on or before 26.12.2022.

Course in-charges: 1. R. ARUNBABU, AP/MCT

2. S. DHINAKAR, AP/MCT S. Dhinakar

19/12/2022

HOD/MCT

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PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)

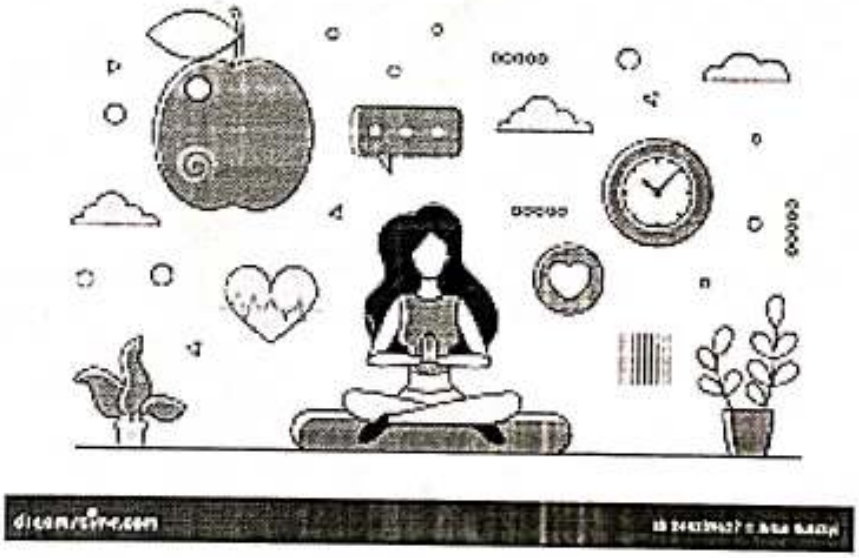
DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

22MTVC601 - MEDITATION AND BALANCED DIET

COURSE CONTENT:

- ✓ LIMBS OF YOGA
- ✓ YOGA BENEFITS
- ✓ ASANAS AND BALANCE DIET
- ✓ MEDITATION



DATE : 26.12.2022 to 30.12.2022

VENUE: T327

COURSE IN CHARGE

R. ARUNBABU, AP/MCT

S. DHINAKAR, AP/MCT

22MTVC601 MEDITATION AND BALANCED DIET

COURSE OBJECTIVES

To enable the students to

- know about the history and schools of yoga
- know the difference between supreme consciousness and individual consciousness
- apply the knowledge by the way of practice and introspection

UNIT 1 INTRODUCTION

What is Yoga, History of Yoga - Yoga in today's scenario- Schools of Yoga.

UNIT 2 LIMBS OF YOGA

Eight Limbs of Yoga - Sathvic, Rajasic, Tamasic Foods and Thoughts - Science of Yoga Loosening Exercises.

UNIT 3 YOGA BENEFITS

Yogasanas & Benefits - Super Brain Yoga - Surya Namaskar Standing Asanas.

UNIT 4 ASANAS AND BALANCE DIET

Sitting Asanas - Prone Asanas - Supine Asanas; Nutrition and Balance Diet: Needs and Important, Significant of Nutritional Food - Tips for balance diet. Common Diseases for IT professionals: Common diseases – cause, prevention First aid for common sports injuries

UNIT 5 MEDITATION

Mudras Relaxation- Pranayama – Meditation - Meaning and definition; Principles of practicing; Basic Asana and it important, Pranayama and Meditation - Relaxation Techniques.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Understand the historical aspects and schools of yoga
- Ensure their physical & mental wellness through yoga practice
- Develop the power to concentrate and have stress free mind

TEXT BOOKS

1. Ramesh Partani, The Complete Secret, Ru Education, 2015.

REFERENCES

1. Iyengar B.K.S. Yoga: Wisdom & Practice, B.K.S. Iyengar, 2012.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NAMAKKAL

DEPARTMENT OF MECHATRONICS

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III / VI

Name of the course : 22MTVC601 - MEDITATION AND BALANCED DIET

S. No	Register Number	Student Name	26.12.22	27.12.22	28.12.22	29.12.22	30.12.22
1	20108001	ADHITHYA.M	/	/	/	/	/
2	20108002	ADITYA.K	/	/	/	/	/
3	20108003	BARATH.S	/	/	/	/	/
4	20108004	DHINESH.K	/	/	/	/	/
5	20108005	DINESHKUMAR.G	/	/	/	/	/
6	20108006	FINNEY BABU	/	/	/	/	/
7	20108007	KAMALESH.N	/	/	/	/	/
8	20108008	KRISHVA.R	/	/	/	/	/
9	20108009	MEGANATHAN.C	/	/	/	/	/
10	20108010	NAVEEN.V	/	/	/	/	/
11	20108012	PARTHIBAN.S	AB	/	/	/	/
12	20108013	PUGAZHENTHI.E	/	/	/	/	/
13	20108014	RAMACHANDRAN.S	/	/	/	AB	/
14	20108015	SARAN.G	/	/	/	/	/
15	20108016	SENTHAMIL SELVAN.M	/	/	/	/	/
16	20108017	VIJAY.K	/	/	/	/	/
17	20108018	YANAMALA MAHI SUDHARASAN RAJU	AB	AB	AB	AB	AB
18	20108019	YOGESHWARAN.B	/	/	/	/	/
19	20108301	DHIVAKARAN.R	/	/	/	/	/
20	20108302	KRISHNA KUMAR.P	/	/	/	AB	/
21	20108303	NAVANETHAN.R	/	/	/	/	/

22	20108304	NAVEEN NISHANNTH.S. R	AB	/	/	/	/
23	20108305	VENKATESH.S	/	/	/	/	/
24	20108501	SUBRAMANI.R	/	/	/	AB	/

Course in-charge

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Mechatronics

CERTIFICATE

This is to certify that

FINNEY BABU

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

"22MTVC601 - MEDITATION AND BALANCED DIET". The duration of the course is

30 hours **(26.12.2022** to **30.12.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Mechatronics

CERTIFICATE

This is to certify that

MEGANATHAN.C

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

"22MTVC601 - MEDITATION AND BALANCED DIET". The duration of the course is

30 hours **(26.12.2022** to **30.12.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Mechatronics

CERTIFICATE

This is to certify that

NAVEEN.V

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

"22MTVC601 - MEDITATION AND BALANCED DIET". The duration of the course is

30 hours **(26.12.2022** to **30.12.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44, Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

KRISHVA.R

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

"22MTVC601 - MEDITATION AND BALANCED DIET". The duration of the course is

30 hours **(26.12.2022** to **30.12.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Mechatronics

CERTIFICATE

This is to certify that

KAMALESH.N

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

"22MTVC601 - MEDITATION AND BALANCED DIET". The duration of the course is

30 hours **(26.12.2022** to **30.12.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF MECHATRONICS

DATE: 19.12.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "22MTVC801 - WOMEN EMPOWERMENT" for Seventh semester students from 26.12.2022 to 30.12.2022. The interested students are asked to enroll their names to the Course in-charges Dr. D.R.P. RAJARATHNAM, PROF & HOD /MCT and T. PARKAVI, AP/MCT on or before 26.12.2022.

Course in-charges: 1. Dr. D.R.P. RAJARATHNAM, PROF & HOD/MCT

2. T. PARKAVI, AP/MCT

HOD/MCT

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PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)

DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

22MTVC801 - WOMEN EMPOWERMENT

COURSE CONTENT:

- ✓ FUNDAMENTAL CONCEPTS
- ✓ SOCIAL RESPONSIBILITIES
- ✓ ROLE IN ECONOMIC DEVELOPMENT
- ✓ POLITICAL PARTICIPATION
- ✓ SOCIAL ISSUES

WOMEN EMPOWERMENT

DATE : 26.12.2022 to 30.12.2022

VENUE: T326

COURSE IN CHARGE

Dr. D.R.P. RAJARATHNAM, PROF & HOD /MCT

T. PARKAVI, AP/MCT

22MTVC801 WOMEN EMPOWERMENT

COURSE OBJECTIVES

To enable the students to

- sensitize the participants regarding the issues of gender and the gender inequalities prevalent.
- introduce gender sensitization and related issues.

UNIT 1 FUNDAMENTAL CONCEPTS

Definition - Objectives; Importance of Women's Studies; Women's Studies as an Academic Discipline; Role of UGC Centre for Women's Studies; Women's Studies in India and Abroad – Origin and Growth.

UNIT 2 SOCIAL RESPONSIBILITIES

Higher Education; Gender issues in Health, Environment, Family welfare Measures, Indecent representation of Women in media; Women in Difficult circumstances; Constitutional.

UNIT 3 ROLE IN ECONOMIC DEVELOPMENT

Role of Women in Economic Development – Female Poverty and Poverty alleviation programmes; Status of Women farmers and land rights; Women Entrepreneurs; Impact of Globalization on working women.

UNIT 4 POLITICAL PARTICIPATION

Political participation of women – Political Socialization - Women leaders in politics- Women in Local Governance- Barriers- Reservation policies- Women's Political Rights: CEDAW.

UNIT 5 SOCIAL ISSUES

Sex Ratio child marriage, Dowry & Property Rights, Violence against Women, Domestic violence, Female Headed Households', Women in the Unorganized sector of Employment.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- develop social consciousness among the students
- encourage capacity building among the students to enable them to engage in policy decisions
- remove gender biases in all fields of life in the process of gender equality for nation building

TEXT BOOKS

1. Amy S. Wharton. (2005). "The Sociology of Gender: An Introduction to Theory and Research". KeyThemes in Sociology. Blackwell Publishing, UK, Indian Reprint, Kilaso Books, New Delhi.

REFERENCES

1. Maithreyi Krishna Raj. (1986). "Women Studies in India: Some Perspectives". Popular Prakasham, Bombay.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NAMAKKAL

DEPARTMENT OF MECHATRONICS

Academic Year: 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV / VIII

Name of the course : 22MTVC801 - WOMEN EMPOWERMENT

S. No	Register Number	Student Name	26.12.22	27.12.22	28.12.22	29.12.22	30.12.22
1	19108001	ABINESH.S	✓	✓	✓	✓	✓
2	19108003	ANTONYRAJ.M	✓	✓	✓	✓	✓
3	19108005	ARJUN.O	✓	✓	✓	✓	✓
4	19108006	ASHWIN. E.A	✓	✓	✓	✓	✓
5	19108007	ASWIN SANTHOSH	✓	✓	✓	✓	✓
6	19108008	BATHINA RAKESH	✓	✓	✓	✓	✓
7	19108009	BHUVANSHANKAR.H	✓	✓	✓	✓	✓
8	19108010	CHANDRUSTAR.M	✓	✓	✓	✓	✓
9	19108012	DHARANIVENTHAN.R	✓	✓	✓	✓	✓
10	19108013	DHARUN.M	✓	✓	✓	✓	✓
11	19108014	DINAKARAN.S.P	✓	✓	✓	✓	✓
12	19108015	ELAIYAGURU.M	✓	✓	✓	✓	a
13	19108016	EMBEATY ABHINAV	✓	✓	✓	✓	✓
14	19108017	GOKUL.R	✓	✓	✓	✓	✓
15	19108018	GOKUL.V	✓	✓	✓	✓	✓
16	19108020	HARIKARAN.P	a	✓	✓	✓	✓
17	19108021	HARISH.B	✓	✓	✓	✓	✓
18	19108022	HARISH.M	✓	✓	✓	✓	✓
19	19108023	JAYASURYA.A	✓	✓	✓	✓	✓
20	19108024	KUMARAGURU.M	✓	✓	✓	✓	✓
21	19108025	LOGANATHAN.K	✓	✓	✓	✓	✓

22	19108026	LOGESH.S	✓	✓	a	✓	✓
23	19108027	MAHESH KUMAR.K	✓	✓	✓	✓	✓
24	19108028	MANIKANDAN.J	✓	✓	✓	✓	✓
25	19108030	MANOJKUMAR.R	✓	✓	✓	✓	✓
26	19108031	MOHAMED AKRAM UMAR.M.B	✓	✓	✓	✓	✓
27	19108032	MOHANATHAN.K	✓	✓	✓	✓	✓
28	19108034	NAGA SIVA SANGARAPANDIAN.L	a	a	a	a	a
29	19108035	NAGAPANDIAN.G.C	✓	✓	✓	✓	✓
30	19108036	NARAYANAN.V	✓	✓	✓	✓	✓
31	19108037	PRAVEEN.P	✓	✓	✓	✓	✓
32	19108038	PRAVEEN KUMAR.V	✓	✓	✓	✓	✓
33	19108039	PRAVIN.P	✓	✓	✓	✓	✓
34	19108040	RAGUL.R	✓	✓	✓	✓	✓
35	19108041	RITHICKROSHAN.R	a	a	a	a	a
36	19108042	SANJAI.G	✓	✓	✓	✓	✓
37	19108043	SANTHOSH.S.T	✓	✓	✓	✓	✓
38	19108044	SUBANESAN.R	a	a	a	a	a
39	19108046	THIRUKUMAR.S	✓	✓	✓	✓	✓
40	19108047	VENGADESH.G	✓	✓	✓	✓	✓
41	19108048	VIGNESH.K	✓	✓	✓	✓	✓
42	19108049	VIJAYASARATHI.E	✓	✓	✓	✓	✓
43	19108050	VIKNESWARAN.M	✓	✓	✓	✓	✓
44	19108051	VINOTH KUMAR S	✓	✓	a	✓	✓
45	19108052	YOKESHWARAN.R	✓	✓	✓	✓	✓

Course in-charge

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH 44 (Formerly NH 7), Pachal, Namakkal - 637018

Department of Mechatronics

CERTIFICATE

This is to certify that

CHANDRUSTAR.M

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"22MTVC801 - WOMEN EMPOWERMENT". The duration of the course is

30 hours **(26.12.2022** to **30.12.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

[illegible] (Formerly, NEC), Pachal, Namakkal - [illegible]

Department of Mechatronics

CERTIFICATE

This is to certify that

BHUVANSHANKAR.H

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"22MTVC801 - WOMEN EMPOWERMENT". The duration of the course is

30 hours **(26.12.2022** to **30.12.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Mechatronics

CERTIFICATE

This is to certify that

DHARANIVENTHAN.R

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"22MTVC801 - WOMEN EMPOWERMENT". The duration of the course is

30 hours **(26.12.2022** to **30.12.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Mechatronics

CERTIFICATE

This is to certify that

BATHINA RAKESH

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"22MTVC801 - WOMEN EMPOWERMENT". The duration of the course is

30 hours **(26.12.2022** to **30.12.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Mechatronics

CERTIFICATE

This is to certify that

DHARUN.M

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"22MTVC801 - WOMEN EMPOWERMENT". The duration of the course is

30 hours **(26.12.2022** to **30.12.2022).**

Course in-charge	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

DATE: 08.03.2023

CIRCULAR

It is planned to conduct Five days training course on "**20MDVC401 - MATLAB programming**" for 6th semester students from 27.3.2023 to 1.04.2023. The interested students are asked to enrol their name to the course coordinator Dr. S.Rajasekeran, AP/BME on or before 16.03.2023.

HOD

COPY TO: NOTICE BOARD

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE

20MDVC401- MATLAB PROGRAMMING

COURSE CONTENT

Module 1: Basics of MATLAB

Module 2: Root Finding and Plotting

Module 3: Vectors, Fractals and Chaos

Module 4: Biomedical Signal and Image Processing

Module 5: Graphical User Interface

DATE: 27.03.2023 – 01.04.2023

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Dr. S.RAJASEKERAN, AP/BME

20MDVC401 MATLAB PROGRAMMING 0 0 2 1

COURSE OBJECTIVES

To enable the students to

- learn the basic of MATLAB programming
- analyze the biomedical signals and images using matlab programming
- implement the programming in GUI

UNIT I BASICS OF MATLAB PROGRAMMING 4

Basics of MATLAB - Introduction to programming, Command prompt and expressions, List, Vectors, and Matrices, Variables

UNIT II ROOT FINDING AND PLOTTING 4

Root Finding- Newton's Method, The Secant Method, More Sub-Indexing; Plotting – Basics of Attraction

UNIT III VECTORS, FRACTALS AND CHAOS 4

Vectors – Complex Numbers, User defined functions, Scope ; Fractals – Logistic Equation, Loops, Break and Continue, Truth Statements and Logical Indexing ; Debugging with Matlab, Files I/O

UNIT IV BIOMEDICAL SIGNAL AND IMAGE PROCESSING 9

One-dimensional signal and images, Two-dimensional or even three- or four-dimensional data, filtering and convolution, image-processing algorithms

UNIT V GRAPHICAL USER INTERFACE 9

GUI – Create, Design, Add Components; User Interactions – Trigger Event, Callback functions

TOTAL PERIODS 30

COURSE OUTCOMES

Upon the completion of the course, students will be able

- to learn the tools involved in the MATLAB
- analyze the biomedical signals and images using matlab programming
- implement the programming in GUI

TEXT BOOKS

1. MATLAB® Programming for Biomedical Engineers and Scientists, Andrew P.King, Paul Aljabar,
2. https://ocw.mit.edu/courses/mathematics/18-s997-introduction-to-matlab-programming-fall2011/index.htm

PAAVAI ENGINEERING COLLEGE (AUTONOMUS)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE ATTENDANCE SHEET

ACADEMIC YEAR: 2022-2023 DATE: 27.03.2023 to 1.04.2023

NAME OF THE COURSE: 20MDVC401- MATLAB PROGRAMMING

S.No	Register Number	Student Name	27.3.23	29.3.23	30.3.23	31.3.23	1.4.23
1	20110002	ELAMUGILAN M	/	/	/	/	/
2	20110003	ELAVARASAN V	/	/	/	/	/
3	20110004	INITHA S	/	/	/	/	/
4	20110005	JAISONPRABHU S	/	/	A	/	/
5	20110006	JANA P	/	/	/	/	/
6	20110007	JANANI J	/	/	/	/	/
7	20110008	JOTHIPRAKASH P	A	/	/	/	/
8	20110009	KAVIYA R	/	/	/	/	/
9	20110010	KIRUTHIKA S	/	/	/	/	/
10	20110011	MAIYALAGAN D	/	/	/	A	/
11	20110012	MAKILNATH M	/	/	/	/	/
12	20110013	NIVETHA D	/	A	/	/	/
13	20110014	PICHANDI R	/	/	/	/	/
14	20110015	POUNKUMAR R	/	/	/	/	/
15	20110017	RANJITH M	/	/	/	/	/
16	20110018	RAVICHANDRAN R	/	/	/	/	/
17	20110019	SHARAN M	/	/	A	/	/
18	20110020	SUNILGAVASKAR R	/	/	/	/	/
19	20110021	SURYAPRAKASH G	/	/	/	/	/
20	20110022	VASUDEVAN R	/	/	/	/	/
21	20110023	VIGNESHWAR S	/	/	/	/	/
22	20110024	YUVASRI M	/	A	/	/	/
23	20110025	YUVASRI V	A	/	/	/	/

COURSE COORDINATOR

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

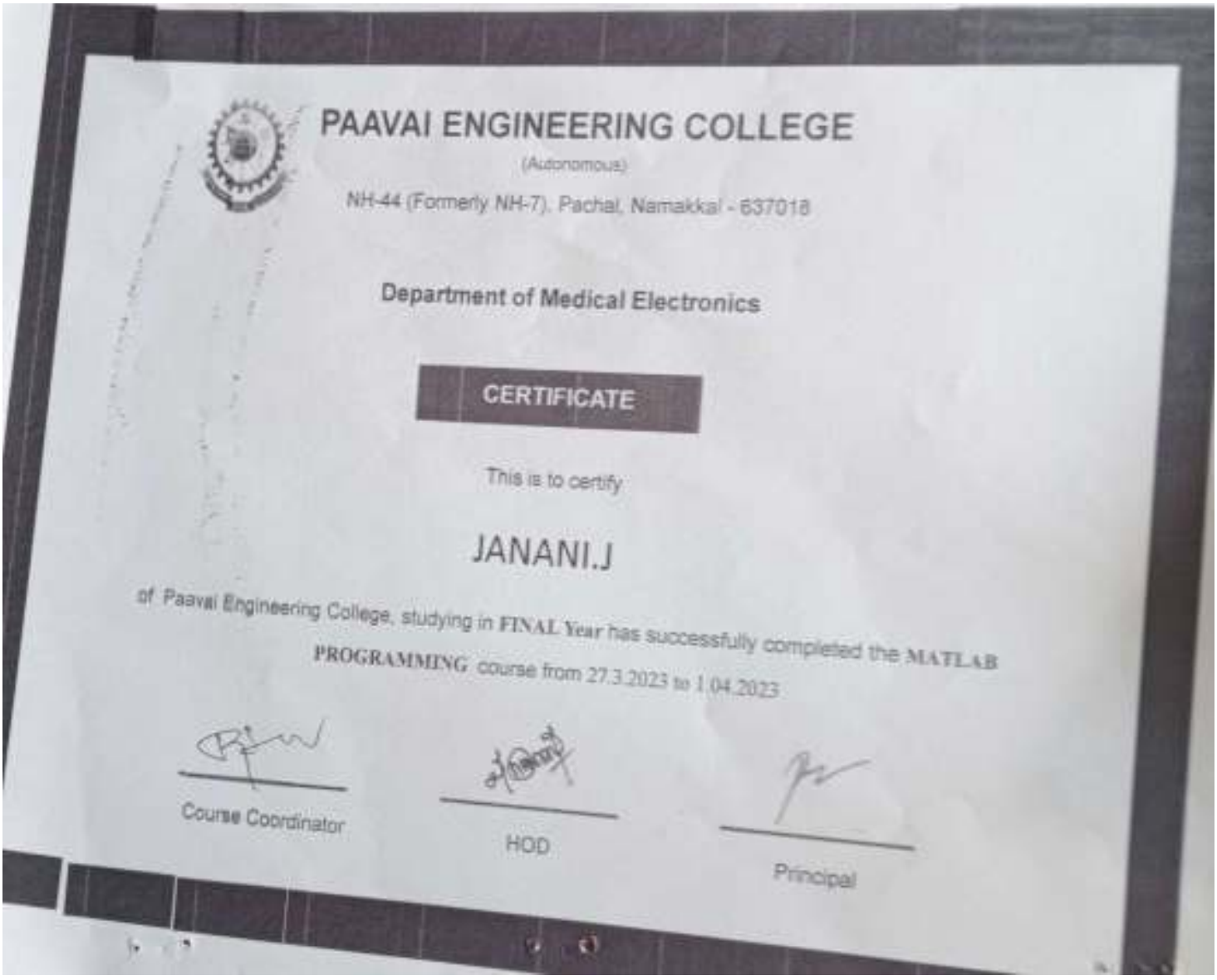
CERTIFICATE

This is to certify

YUVASRI V

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **MATLAB PROGRAMMING course** from 27.3.2023 to 1.04.2023

Course Coordinator | HOD | Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

JANANI.J

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **MATLAB PROGRAMMING** course from 27.3.2023 to 1.04.2023

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

NIVETHA D

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **MATLAB PROGRAMMING** course from 27.3.2023 to 1.04.2023

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

DATE: 08.03.2021

CIRCULAR

It is planned to conduct Five days training course on "**19MDVC401 - Internet connected Object**" for 4th semester students from 27.3.2023 to 1.04.2023. The interested students are asked to enrol their name to the course coordinator Mr. D. Murugesan, ASP/BME on or before 16.03.2023

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HOD

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE

19MDVC401- INTERNET CONNECTED OBJECT

COURSE CONTENT

Module 1: Basics of Embedded System

Module 2:System modeling

Module 3: Architecture

Module 4: IOT communication architecture

Module 5: IOT standards

DATE: 27.03.2023 – 01.04.2023

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Mr. D.MURUGESAN, AP/BME

PAAVAI ENGINEERING COLLEGE (AUTONOMUS)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE ATTENDANCE SHEET

ACADEMIC YEAR: 2022-2023 DATE: 27.3.2023 to 1.04.2023

NAME OF THE COURSE: 21MDVC401-INTERNET CONNECTEDE OBJECT

S.NO	NAME OF THE STUDENT	REGISTER NUMBER	27.3.23	28.3.23	29.3.23	30.3.23	1.4.23
1	AKASH.M	622121110001	/	/	a	/	/
2	AKASHPRATHAP.A	622121110002	/	/	/	/	/
3	ARTHI.K	622121110003	/	/	/	/	/
4	DEIVANAI.M	622121110005	/	/	/	/	/
5	DHIVAKAR.S	622121110007	/	/	/	/	/
6	GEETHANJALI.C	622121110008	/	/	/	/	/
7	HARINI.K	622121110009	/	a	/	/	/
8	JAGADEESHWARAN.V	622121110010	/	/	a	/	/
9	KABILAN.P	622121110011	/	/	/	/	a
10	KAVINILAVU.S	622121110013	/	/	/	/	/
11	KEERTHIKA.K	622121110014	a	/	/	/	/
12	KEERTHI.R	622121110015	/	/	/	/	/
13	KIRIJA.S	622121110016	/	/	/	/	/
14	MADHUMITHA.T	622121110017	/	/	/	/	/
15	MAHESHWARI.G	622121110018	/	/	/	/	/
16	MANIKANDAN.S	622121110019	/	/	/	/	/
17	MANOBHARATHI.P	622121110020	/	/	/	/	/
18	MURUGANANTHAM.M	622121110021	/	/	/	/	/
19	NAGESHWARI.S	622121110022	/	/	/	/	a
20	PANDIMEENA.B	622121110023	/	/	/	/	/
21	PRATHAP.M	622121110024	/	/	/	/	/
22	RADHIKA.R	622121110025	/	/	/	/	/
23	RAJA.K	622121110026	/	/	/	/	/
24	RUDHRESH.J	622121110028	a	/	/	/	/
25	SANTHIYA.C	622121110031	/	/	/	/	/
26	SATHYA.C	622121110032	/	/	/	/	/
27	SIVASEELAN.P	622121110033	/	a	/	/	/
28	SUGANRAJ.P	622121110034	a	/	/	/	/
29	TAMILZHARASU.S	622121110036	/	/	/	/	/
30	THEJASRI.K	622121110037	/	a	/	a	/
31	THIRUMOORTHY.M	622121110038	/	/	/	/	/

32	VANITHA.M	622121110039	✓	✓	✓	✓	✓
33	VIVETHA.M	622121110040	✓	✓	✓	✓	✓
34	YOGANANTHAN.S	622121110041	✓	✓	✓	✓	✓

COURSE COORDINATOR

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

PANDIMEENA.B

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **INTERNET CONNECTED OBJECT** course from 27.3.2023 to 1.04.2023

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

DEIVANAI.M

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **INTERNET CONNECTED OBJECT** course from 27.3.2023 to 1.04.2023

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

SATHYA.C

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the

INTERNET CONNECTED OBJECT course from 27.3.2023 to 1.04.2023

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

DATE: 08.08.2022

CIRCULAR

It is planned to conduct Five days training course on "**21MDVC301 - EMBEDDED PROGRAMMING USING ARDUINO**" for 7th semester students from 19.09.2022 to 24.09.2022. The interested students are asked to enrol their name to the course coordinator Mr.S.JOTHEESHWARAN, AP/MDE on or before 14.08.2022.

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE

21MDVC301- EMBEDDED PROGRAMMING USING ARDUINO

COURSE CONTENT

Module 1: Arduino Basics

Module 2: Arduino Function Libraries

Module 3: Arduino Sensors and Interfacing

Module 4: Arduino Interfacing and Real Time Projects

Module 5: Applications

DATE: 19.07.2021 – 23.07.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Mr. S.JOTHEESHWARAN, AP/MDE

21MDVC301 EMBEDDED PROGRAMMING USING ARDUINO 0 0 2 1

COURSE OBJECTIVES

To enable the students to

- learn the basic of arduino and the programming language
- acquire knowledge on arduino function libraries
- understand the real time projects using arduino and the interfacing modules

UNIT I ARDUINO BASICS 6

Basics of Arduino –Overview, Board Description, Installation, Program Structure, Data types, Variables & Constants, operators, Control Statements, Loops, Functions, Strings, String Object, Time, Arrays

UNIT II ARDUINO FUNCTION LIBRARIES 6

Function Libraries- I/O Functions, Advanced I/O Functions, Character Functions, Math Library, Trigonometric Functions, Due & Zero, Pulse width Modulation, Random Numbers, Interrupts, Communication, Inter Integrated Circuits, Serial Peripheral Interface, Arduino UART,

UNIT III ARDUINO SENSORS AND INTERFACING 9

Sensors – Humidity Sensor, Temperature Sensor, Water Detector/Sensor, PIR Sensor, Ultrasonic Sensor; Connecting switches (Magnetic Relay Switches- Types of Relay, Controlling electrical appliances with electromagnetic relays, working as a matrix keypad,

UNIT IV ARDUINO INTERFACING AND REAL TIME PROJECTS 9

Arduino Interfacing - Using the keypad library to interface with Arduino, Interfacing servo motors with Arduino, Using a buzzer as an alarm unit, GSM/GPRS arduino interfacing, Intelligent home locking system, intelligent water level management system, home automation using RFID, Automatic hand sanitizer

TOTALPERIODS 30

COURSE OUTCOMES

Upon the completion of the course, students will be able to

- learn the basic of arduino and the programming language
- acquire knowledge on arduino function libraries
- understand the real time projects using arduino and the interfacing modules

TEXT BOOKS

Simon Monk, "Programming Arduino Getting Started with Sketches", January 2012

PAAVAI ENGINEERING COLLEGE (AUTONOMUS)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE ATTENDANCE SHEET

ACADEMIC YEAR: 2022-2023 DATE: 19.09.2022 to 24.09.2022

NAME OF THE COURSE: 21MDVC301- EMBEDDED PROGRAMMING USING ARDUINO

S.No	Register No	Student Name	19.9.22	20.9.22	21.9.22	23.9.22	24.9.22
1	19110001	ARAVINDKUMAR.S	/	/	/	/	/
2	19110002	ARULKUMAR.K	/	/	/	/	/
4	19110004	ATCHAYA.M	/	/	a	/	/
5	19110006	BAVITHRA.R	/	/	a	/	/
6	19110007	DEVIKA.M	/	a	/	/	/
8	19110009	GOGUL PRASATH.R	/	/	/	/	/
9	19110010	GOWRISHANKAR.K	/	/	/	/	/
10	19110012	JAYAVARSHINI.J	/	/	/	/	a
11	19110013	KALPANA.P	/	/	/	/	a
12	19110014	KAMALI.M	a	/	/	/	/
13	19110016	KARTHICK.K	/	/	/	a	/
14	19110017	KARTHICK.K	/	/	/	/	/
15	19110018	KAVIYA.A	/	/	/	/	/
16	19110019	KISHORE.M	a	/	/	/	/
17	19110020	KOWSALYA.M	/	/	/	/	/
18	19110021	LOGESH.S	/	/	a	/	/
19	19110023	MAHESH.M	/	/	a	/	/
20	19110024	MANOJKUMAR.S	/	/	/	/	/
21	19110025	MARIMUTHU.R	/	/	/	/	/
22	19110026	MOHANDOSS.S	/	/	/	/	/
23	19110027	MANOJ.S	/	/	a	/	/
24	19110029	NIDHARSHANA.L	/	/	/	/	a
26	19110031	PRIYADHARSHINI.K	/	a	/	/	/
27	19110032	PRIYADHARSHINI.R	/	a	/	/	/
28	19110034	RAGAVI.R	/	/	/	/	/
29	19110037	SAQHIBUDDEEN AHMED.F	/	/	/	/	/
30	19110038	SARAN.S	/	/	/	/	/
31	19110039	SATHYAJOTHI.M	/	/	/	/	/
32	19110040	SEENIVASAN.A	/	/	/	/	/
33	19110041	SRI JOSHINI.S	/	/	/	/	/
34	19110042	SUNDAR.M	/	/	/	/	/
35	19110045	VIDHYASAGAR.S	/	/	/	/	/

36	19110047	VISHNU.P	/	/	/	/	/
37	19110501	PERIYASAMY.K	/	/	/	/	/
38	19110502	HARISH DEVA.M	/	/	/	/	/

COURSE COORDINATOR

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

BAVITHRA.R

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **EMBEDDED PROGRAMMING USING ARDUINO** course from 19.09.2022 to 24.09.2022

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

GOWRISHANKAR.K

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **EMBEDDED PROGRAMMING USING ARDUINO** course from 19.09.2022 to 24.09.2022

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

MAHESH.M

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **EMBEDDED PROGRAMMING USING ARDUINO** course from 19.09.2022 to 24.09.2022

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

DATE: 08.03.2021

CIRCULAR

It is planned to conduct Five days training course on "**21MDVC401 - Labview Programming**" for 8th semester students from 27.3.2023 to 1.04.2023. The interested students are asked to enrol their name to the course coordinator Ms. S. SENTHAMIL, AP/MDE on or before 16.03.2023

COPY TO: NOTICE BOARD

HOD

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE

21MDVC401- LABVIEW PROGRAMMING

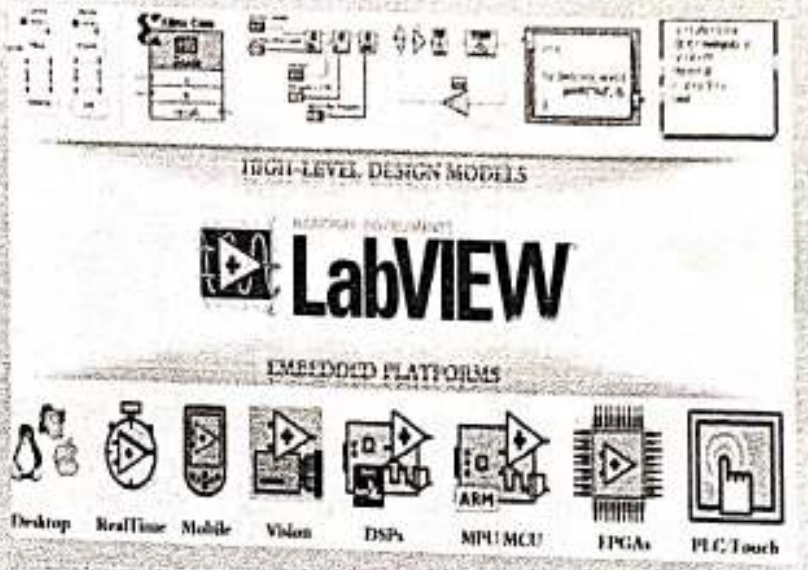
COURSE CONTENT

Module 1: Basics of LABVIEW

Module 2: LABVIEW with DAQ-USB-6009

Module 3: Embedded device with LABVIEW

Module 4: Applications



DATE: 20.12.2021 - 24.12.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Ms. S. SENTHAMIL, AP/MDE

21MDVC401 **LABVIEW PROGRAMMING** **0 0 2 1**

COURSE OBJECTIVES

To enable the students to

- learn the basic of LABVIEW
- acquire the knowledge on DAQ using LABVIEW
- acquire the knowledge on embedded device using LABVIEW

UNIT I BASICS OF LABVIEW **8**

Basics of LABVIEW - Numericals, Booleans and comparators, Loops, For loops, while loops, Flat sequence, Structures, Case structure, Event structure, Formula node, Local and global variable, Data handling instruction, Strings, Matrix, File IO, Clusters, Waveform and wavechart, Final Module test

UNIT II LABVIEW WITH DAQ-USB-6009 **10**

Theory of DAQ card; Hardware Interfaces- Acquiring and generation of Digital signals, Acquiring analog values in DE and RSE method, Generating analog output, Integration of DAQ card with embedded devices

UNIT III EMBEDDED DEVICE WITH LABVIEW **12**

Standalone file and installer development, web server, Remote panel creation and testing, Webserver monitoring with LabVIEW, Hardware interfacing with LabVIEW, UART-Communication, Simplex, Half Duplex, Full Duplex, Led with switch, Lm35 sensor, RFID, Bluetooth, Zigbee, Glucose Level Monitoring, Heart beat detection

TOTAL PERIODS 30

COURSE OUTCOMES

Upon the completion of the course, students will be able to

- learn the tools involved in the LABVIEW
- apply the knowledge on DAQ using LABVIEW
- apply the knowledge on embedded device using LABVIEW

TEXT BOOKS

1. National Instruments Inc.http://www.ni.com/academic/students/learn-labview

PAAVAI ENGINEERING COLLEGE (AUTONOMUS)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE ATTENDANCE SHEET

ACADEMIC YEAR: 2022-2023 DATE: 27.3.2023 to 1.04.2023

NAME OF THE COURSE: 21MDVC401- LABVIEW PROGRAMMING

S.No	Register No	Student Name	27-3-23	28-3-23	29-3-23	30-3-23	1-4-23
1	19110001	ARAVINDKUMAR.S	/	/	/	/	/
2	19110002	ARULKUMAR.K	/	/	/	/	/
3	19110003	ASWINI.A	/	/	/	/	/
4	19110004	ATCHAYA.M	a	/	/	/	/
5	19110006	BAVITHRA.R	/	/	/	/	/
6	19110007	DEVIKA.M	/	/	/	/	/
7	19110008	GNANA PRIYADHARSHINI.R	/	/	/	/	/
8	19110009	GOGUL PRASATH.R	/	/	/	/	/
9	19110010	GOWRISHANKAR.K	/	/	/	/	/
10	19110012	JAYAVARSHINI.J	/	a	/	/	/
11	19110013	KALPANA.P	/	/	/	/	/
12	19110014	KAMALI.M	/	/	/	/	/
13	19110016	KARTHICK.K	/	/	/	a	/
14	19110017	KARTHICK.K	/	/	/	/	/
15	19110018	KAVIYA.A	/	/	/	/	/
16	19110019	KISHORE.M	/	/	/	/	/
17	19110020	KOWSALYA.M	/	/	/	a	/
18	19110021	LOGESH.S	/	/	/	/	/
19	19110023	MAHESH.M	a	/	/	/	/
20	19110024	MANOJKUMAR.S	/	/	/	/	/
21	19110025	MARIMUTHU.R	/	a	/	/	/
22	19110026	MOHANDOSS.S	/	/	/	/	/
23	19110027	MANOJ.S	/	/	/	/	/
24	19110029	NIDHARSHANA.L	/	/	/	/	/
25	19110030	NITHYA.P	/	/	/	/	/
26	19110031	PRIYADHARSHINI.K	/	/	/	/	/
27	19110032	PRIYADHARSHINI.R	/	a	/	/	/
28	19110034	RAGAVI.R	a	/	/	/	/
29	19110037	SAQHIBUDDEEN AHMED.F	/	/	/	/	/
30	19110038	SARAN.S	/	/	/	/	a
31	19110039	SATHYAJOTHI.M	/	/	/	/	/
32	19110040	SEENIVASAN.A	/	/	/	/	/
33	19110041	SRI JOSHINI.S	/	/	/	/	/

34	19110042	SUNDAR.M	✓	✓	✓	✓	✓
35	19110045	VIDHYASAGAR.S	✓	✓	✓	✓	✓
36	19110047	VISHNU.P	✓	✓	✓	✓	✓
37	19110501	PERIYASAMY.K	✓	✓	✓	✓	✓

COURSE COORDINATOR

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

PRIYADHARSHINI.K

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **LABVIEW**

PROGRAMMING course from 27.3.2023 to 1.04.2023

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

VIDHYASAGAR.S

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **LABVIEW PROGRAMMING** course from 27.3.2023 to 1.04.2023

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

KALPANA.P

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **LABVIEW**

PROGRAMMING course from 27.3.2023 to 1.04.2023

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

DATE: 08.08.2022

CIRCULAR

It is planned to conduct Five days training course on **"19MDVC301 – HYPERTEXT MARKUP LANGUAGE"** for 7th semester students from 19.09.2022 to 24.09.2022. The interested students are asked to enrol their name to the course coordinator Ms. PRAVEENA AP/MDE on or before 14.08.2022.

HOD

COPY TO: NOTICE BOARD

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE

19MDVC301- HYPERTEXT MARKUP LANGUAGE

COURSE CONTENT

Module 1: Web Design Principles

Module 2: Basics in Web Design

Module 3: Introduction to HTML

Module 4: Tagging Elements

Module 5: Introduction to CSS

DATE: 19.09.2022 - 24.09.2022

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Ms. PRAVEENA AP/MDE

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

ARTHI.K

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the

HYPERTEXT MARKUP LANGUAGE course from **19.09.2022 to 24.09.2022**

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

HARINI.K

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the

HYPERTEXT MARKUP LANGUAGE course from **19.09.2022 to 24.09.2022**

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

PRATHAP.M

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the

HYPERTEXT MARKUP LANGUAGE course from **19.09.2022 to 24.09.2022**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE (AUTONOMUS)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE ATTENDANCE SHEET

ACADEMIC YEAR: 2022-2023 DATE: 19.09.2022 to 24.09.2022

NAME OF THE COURSE: 19MDVC301-HYPERTEXT MARKUP LANGUAGE

S.NO	NAME OF THE STUDENT	REGISTER NUMBER	19.9.22	20.9.22	21.9.22	23.9.22	24.9.22
1	AKASH.M	622121110001	/	/	/	/	/
2	AKASHPRATHAP.A	622121110002	/	/	/	/	/
3	ARTHI.K	622121110003	/	/	/	/	/
4	DEIVANAI.M	622121110005	/	/	/	/	a
5	DHIVAKAR.S	622121110007	/	/	/	/	/
6	GEETHANJALI.C	622121110008	/	/	a	/	/
7	HARINI.K	622121110009	/	/	/	/	/
8	JAGADEESHWARAN.V	622121110010	a	/	/	/	/
9	KABILAN.P	622121110011	/	/	/	/	/
10	KAVINILAVU.S	622121110013	/	/	/	/	/
11	KEERTHIKA.K	622121110014	/	/	/	/	/
12	KEERTHI.R	622121110015	/	/	/	/	/
13	KIRIJA.S	622121110016	/	/	/	a	/
14	MADHUMITHA.T	622121110017	/	/	/	/	/
15	MAHESHWARI.G	622121110018	/	a	/	/	/
16	MANIKANDAN.S	622121110019	/	/	/	/	/
17	MANOBHARATHI.P	622121110020	/	/	/	/	/
18	MURUGANANTHAM.M	622121110021	/	/	/	/	/
19	NAGESHWARI.S	622121110022	/	/	/	/	/
20	PANDIMEENA.B	622121110023	/	/	/	/	/
21	PRATHAP.M	622121110024	/	/	/	/	/
22	RADHIKA.R	622121110025	/	/	/	/	/
23	RAJA.K	622121110026	/	/	/	/	/
24	RUDHRESH.J	622121110028	a	/	/	/	/
25	SANTHIYA.C	622121110031	/	/	/	/	/
26	SATHYA.C	622121110032	/	/	/	/	/
27	SIVASEELAN.P	622121110033	/	/	/	/	/
28	SUGANRAJ.P	622121110034	/	/	/	/	/
29	TAMILZHARASU.S	622121110036	/	/	/	/	a
30	THEJASRI.K	622121110037	/	/	a	/	/
31	THIRUMOORTHY.M	622121110038	/	a	/	a	/

32	VANITHA.M	622121110039	/	/	/	/	/
33	VIVETHA.M	622121110040	/	/	/	/	a
34	YOGANANTHAN.S	622121110041	/	/	/	a	/

COURSE COORDINATOR

HOD

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

DATE: 08.08.2022

CIRCULAR

It is planned to conduct Five days training course on **"20MDVC301 – OPEN SOURCE PROGRAMMING USING LINUX"** for 5th semester students from 19.09.2022 to 24.09.2022. The interested students are asked to enrol their name to the course coordinator Ms.B.NIRANJANA DEVI, AP/MDE on or before 14.08.2022.

HOD

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE

20MDVC301- OPEN SOURCE PROGRAMMING USING LINUX

COURSE CONTENT

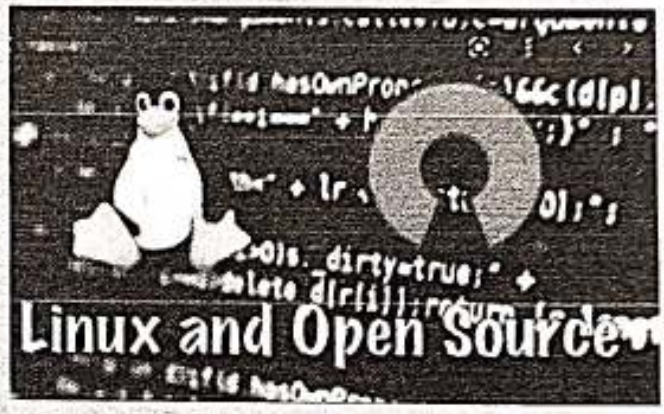
Module 1: Introduction to LINUX

Module 2: Basics in Web Design

Module 3: Introduction to Open source

Module 4: Tagging Elements

Module 5: Applications



DATE: 19.09.2022 - 24.09.2022

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Ms.B.NIRANJANA DEVI, AP/MDE

20MDVC301 OPEN SOURCE PROGRAMMING USING LINUX 1 0 0 1

COURSE OBJECTIVES

To enable the students to

- learn the basic of LINUX
- learn the system components of Text editor
- understand the system administration and management

UNIT I LINUX ORIENTATION **4**

Linux Orientation – Kernel vs. Operating System and Tools, History of Linux, UNIX and LINUX, Linux Distributions, GUI, KDE Desktop, GNOME and KDE, Linux Standard Base, Software Environment, sudo, workspaces,

UNIT II SYSTEM COMPONENTS **4**

Introduction to Text Editors, Vi Editors, emacs Editor, Development of shells, Introduction to filesystems, using fdisk, partitioning considerations

UNIT III COMMAND DETAILS **4**

File transfer Tools, Graphical Monitoring tools, System Monitoring, Kernel Modules, Device Management, using udev, using systemctl, Basic Commands and Utilities, Monitoring and Performance Utilities, Installing and Running ksysguard

UNIT IV SYSTEM ADMININSTRATION AND MANAGEMENT **3**

System Installation, Using Graphical Package Management, Software management and packaging

TOTAL PERIODS 15

COURSE OUTCOMES

Upon the completion of the course, students will be able to

- learn the basic of LINUX
- learn the system components of Text editor
- understand the system administration and management

TEXT BOOKS

Paul Cobbaut, "The Ultimate Linux Newbie Guide", PHI publications, 2015

PAAVAI ENGINEERING COLLEGE (AUTONOMUS)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE ATTENDANCE SHEET

ACADEMIC YEAR: 2022-2023 DATE: 19.09.2022 to 24.09.2022

NAME OF THE COURSE: 20MDVC301- OPEN SOURCE PROGRAMMING USING LINUX

S.No	Register Number	Student Name	19.9.22	20.9.22	21.9.22	22.9.22	23.9.22
1	20110002	ELAMUGILAN M	/	/	/	/	/
2	20110003	ELAVARASAN V	/	/	/	/	/
3	20110004	INITHA S	/	/	a	/	/
4	20110005	JAISONPRABHU S	/	/	/	/	/
5	20110006	JANA P	/	/	/	/	/
6	20110007	JANANI J	/	/	/	/	/
7	20110008	JOTHIPRAKASH P	/	/	/	/	a
8	20110009	KAVIYA R	/	/	/	/	/
9	20110010	KIRUTHIKA S	/	/	/	/	/
10	20110011	MAIYALAGAN D	/	a	/	/	/
11	20110012	MAKILNATH M	/	/	/	/	/
12	20110013	NIVETHA D	/	/	/	/	/
13	20110014	PICHANDI R	/	/	/	/	/
14	20110015	POUNKUMAR R	/	/	a	/	/
15	20110017	RANJITH M	/	a	/	/	/
16	20110018	RAVICHANDRAN R	/	/	/	/	/
17	20110019	SHARAN M	/	/	/	a	/
18	20110020	SUNILGAVASKAR R	/	/	/	/	/
19	20110021	SURYAPRAKASH G	/	/	/	/	/
20	20110022	VASUDEVAN R	/	/	/	/	a
21	20110023	VIGNESHWAR S	/	/	/	/	a
22	20110024	YUVASRI M	/	a	/	/	/
23	20110025	YUVASRI V	/	/	/	/	/

COURSE COORDINATOR

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

ELAVARASAN V

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **OPEN SOURCE PROGRAMMING USING LINUX course** from **19.09.2022 to 24.09.2022**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

JANA P

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **OPEN SOURCE PROGRAMMING USING LINUX course** from **19.09.2022 to 24.09.2022**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Medical Electronics

CERTIFICATE

This is to certify

YUVASRI M

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **OPEN SOURCE PROGRAMMING USING LINUX course** from **19.09.2022 to 24.09.2022**

Course Coordinator | HOD | Principal

22PTVC301 **MODERN METHODS OF INSTRUMENTATION**

COURSE OBJECTIVES

To enable the students to

- provide the students an ability to understand the principles of instrumentation
- impart the knowledge of different techniques and methods in instrumentation
- improve the understanding of applications of techniques in the field of pharmaceuticals

Unit I

Principle, Types and applications of Electrophoresis– agarose gel, polyacrylamide gel (PAGE), SDSPAGE–principle, instrumentation and applications; isoelectric focusing–principle and applications; Thermo gravimetric analysis (TGA)-Principle, instrumentation and applications.

Unit II

Radioactive isotopes, radioactive decay and their types, radioactive techniques - RIA, GM counter, Scintillation counter, Applications in Medicine & Diagnosis.

Unit III

Electrochemical cells- Electrode potential cell potentials – potentiometry- reference electrode – ion selective and molecular selective electrodes – Instrument for potentiometric studies – Voltametry – Cyclic and pulse voltametry- Applications of voltametry. Study of surfaces – Scanning probe microscopes – AFM and STM.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- demonstrate the gel electrophoresis and thermal analytical techniques
- asses the importance of radioactive isotopes in modern research
- know the various techniques involved in the electro chemical and Structural analysis.

TEXT BOOKS

1. Willard and Merrit, Instrumental Methods and Analysis. VI Edition, CBS Publishers & Distributors; 2002.

REFERENCES

1. Gurdeep R. Chatwal and Sham K. Anand. Instrumental Methods of Chemical Analysis. 5th Edition. Himalaya Publishing House, India. (2012).

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna university & AICTE, New Delhi)
Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CORDIALLY INVITE YOU TO THE VALUE ADDED COURSE ON

MODERN METHODS OF INSTRUMENTATION

on September 19th to 24th 2022 @ 10.00 am.

Venue: AB303

S. Pragathi
Course Coordinator

Dr. R. Praveen Cumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Six Days Training Course on "Modern Methods of Instrumentation" for Third semester students from 19.09.2022 to 24.09.2022. The interested students are asked to enroll their name to the course coordinator Ms. S.Pragathi/Pharma on or before 16.09.2022.

Course Co-ordinator: 1. Ms. S. Pragathi/Pharma

HOD/PHARMA

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : II / III

Name of the Course : 22PTVC301 – MODERN METHODS OF INSTRUMENTATION

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22	24.09.22
1.	622121204001	ABI.A	/	/	/	/	/	/
2.	622121204002	ABIKOIL.V	/	/	/	/	/	/
3.	622121204003	ABITHA.S	/	/	/	/	/	/
4.	622121204006	BHARATHI.S	/	/	/	/	/	/
5.	622121204007	CHANDRU.V	/	/	/	/	/	/
6.	622121204008	DEEPA.N	/	/	/	/	/	/
7.	622121204009	DHARSHINI.S	/	/	/	/	/	/
8.	622121204010	DHINESH KUMAR.R	AB	AB	AB	AB	AB	AB
9.	622121204012	GOKULKANNAN.K	/	/	/	/	/	/
10.	622121204013	GOPINATH.C	/	/	/	/	/	/
11.	622121204014	GOWRISANKAR.V	/	/	/	/	/	/
12.	622121204015	GOWTHAM.M	/	/	/	/	/	/
13.	622121204016	GUGANRAJ.E	/	/	/	/	/	/
14.	622121204017	GUNASEKARAN.M	AB	AB	AB	AB	AB	AB
15.	622121204018	HEMANATH.S	/	/	/	/	/	/
16.	622121204019	JAMUNARANI.R	/	/	/	/	/	/
17.	622121204020	JANARDHANAN.S	/	/	/	/	/	/
18.	622121204021	JAYASURYA.R	/	/	/	/	/	/
19.	622121204022	JEEVA.S	/	/	/	/	/	/
20.	622121204023	JEEVAANANTH.V	AB	AB	AB	AB	AB	AB
21.	622121204024	KAMALESH.K	/	/		/	/	/
22.	622121204027	LARA ARULISHIYA.A	/	/	/	/	/	/
23.	622121204028	MOHAMED MUJJAMEEL.S	/	/	/	/	/	/
24.	622121204029	MOHANAPRIYA.A	/	/	/	/	/	/
25.	622121204031	POOJA.M	/	/	/	/	/	/
26.	622121204032	POOVARASAN.S	/	/	/	/	/	/
27.	622121204033	PRAVEEN KUMAR.T	/	/	/	/	/	/
28.	622121204036	PRAVIN KUMAR.S	/	/	/	/	/	/
29.	622121204037	PREMNATH.M	/	/	/	/	/	/

30.	622121204038	RAGHAVI.R	/	/	/	/	/	/
31.	622121204040	RAGUL.A	/	/	/	/	/	/
32.	622121204041	RAGUNATH.S	/	/	/	/	/	/
33.	622121204042	RAGUPATHI.R	/	/	/	/	/	/
34.	622121204043	RAJESHWARI.D	/	/	/	/	/	/
35.	622121204044	ROSI.R	/	/	/	/	/	/
36.	622121204045	SANJAY.R	AB	AB	AB	AB	AB	AB
37.	622121204046	SANTHOSHKUMAR.S	/	/	/	/	/	/
38.	622121204047	SARATHI.R	/	/	/	/	/	/
39.	622121204049	SRIDHAR.G	/	/	/	/	/	/
40.	622121204050	SWETHA.R	/	/	/	/	/	/
41.	622121204052	THRISHA.K	/	/	/	/	/	/
42.	622121204053	UDHAYAVANAN.K	/	/	/	/	/	/
43.	622121204054	VEDHAVATHI.R	/	/	/	/	/	/
44.	622121204055	VIKRAM.A	/	/	/	/	/	/
45.	622121204056	VIMALRAJ.M	/	/	/	/	/	/
46.	622121204057	VISHVA.V	/	/	/	/	/	/
47.	622121204058	VIVEKA.R	/	/	/	/	/	/

S. Pragathi
Course Coordinator

R. Lilly
HoD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

BHARATHI S

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Modern Methods of Instrumentation** course from **19/09/2022** to **24/09/2022**.

S. Pragathi

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

DHARSHINI S

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Modern Methods of Instrumentation** course from **19/09/2022** to **24/09/2022**.

S. Pragathi

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

JEEVA S

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Modern Methods of Instrumentation** course from **19/09/2022** to **24/09/2022**.

S. Pragathi

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

POOJA M

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Modern Methods of Instrumentation** course from **19/09/2022** to **24/09/2022**.

S. Pragathi

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SRIDHAR G

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Modern Methods of Instrumentation** course from **19/09/2022** to **24/09/2022**.

S. Praga dhi

Course Coordinator

HOD

Principal

22PTVC401 **BIOMATERIALS**

COURSE OBJECTIVES

To enable the students to

- understand the importance of biomaterials and implants in the healthcare.
- determine and selection of right materials for its bio applications.
- study various materials for biocompatibility

Unit I

Biomaterial, Types of Biomaterials, Biocompatibility, Biological material, Biodegradable material, Bioresorbable material, Bio-inert material, Bio-active material, Pyrogenicity, Minimum Requirements of Biomaterials, Surface Properties of Biomaterials, Desirable Properties of Biomaterial, Performance of Biomaterials, Applications of Biomaterials with examples.

Unit II

Polymeric Biomaterials: Introduction, Basic structures of Polymers, Polymerization and its Types, Polyethylene, Polypropylene, Polyamides, Polyacrylates, Hydrogel, Bone cement, Fluorocarbon polymers, Silicon Rubber, Bioactive Polymers, Biodegradable Polymers, Applications. Dental filling Composites & cement, Porous Composites, Fibrous & Particulate composites.

Unit III

Biocompatibility Testing: Introduction, In-Vitro Testing, In-Vivo Testing, Hypersensitivity, Haemocompatibility, Odontocompatibility, Osteocompatibility, Cytotoxicity, Genotoxicity, Carcinogenicity. Blood-Biomaterial Interactions, Biomaterials-Tissue Interactions, Tissue response to Implants, Inflammation, Wound Healing, Foreign Body Response, Infection and Tumorigenesis of Biomaterials.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- describe biomaterials, classifications, their properties, performance specification and biological applications.
- illustrate the types, composition, properties, manufacturing and applications of Polymeric & Composite biomaterials.
- decide the testing procedure for specific biomaterial/implant and evaluate the response of biomaterial/Implant to Human body

TEXT BOOKS

1. Sujata V. Bhatt, "Biomaterials", 2nd edition, Narosa Publishing House, 2005.

REFERENCES

1. Park J.B., "Biomaterials Science and Engineering", 1st edition, Plenum Press, 1984.

PAAVAI ENGINEERING COLLEGE

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Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

Announce value added course on

BIOMATERIALS

on March 27th to April 1st 2023 @ 10.00 am.

Venue: AB303

M.Ponmanian
Course Coordinator

Dr. R. Praveen Cumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

DATE: 20.03.2023

CIRCULAR

It is planned to conduct Six Days Training Course on "Biomaterials" for Fourth semester students from 27.03.2023 to 01.04.2023. The interested students are asked to enroll their name to the course coordinator Mr.M.Ponmanian/Pharma on or before 24.03.2023.

Course Co-ordinator: 1. Mr.M.Ponmanian/Pharma

HOD/PHARMA

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : II / IV

Name of the Course : 22PTVC401 – BIOMATERIALS

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
1.	622121204001	ABI.A	/	/	/	/	/	/
2.	622121204002	ABIKOIL.V	/	/	/	/	/	/
3.	622121204003	ABITHA.S	/	/	/	/	/	/
4.	622121204006	BHARATHI.S	/	/	/	/	/	/
5.	622121204007	CHANDRU.V	/	/	/	/	/	/
6.	622121204008	DEEPA.N	/	/	/	/	/	/
7.	622121204009	DHARSHINI.S	/	/	/	/	/	/
8.	622121204010	DHINESH KUMAR.R	/	/	/	/	/	/
9.	622121204012	GOKULKANNAN.K	/	/	/	/	/	/
10.	622121204013	GOPINATH.C	/	/	/	/	/	/
11.	622121204014	GOWRISANKAR.V	/	/	/	/	/	/
12.	622121204015	GOWTHAM.M	/	/	/	/	/	/
13.	622121204016	GUGANRAJ.E	/	/	/	/	/	/
14.	622121204017	GUNASEKARAN.M	AB	AB	AB	AB	AB	AB
15.	622121204018	HEMANATH.S	/	/	/	/	/	/
16.	622121204019	JAMUNARANI.R	/	/	/	/	/	/
17.	622121204020	JANARDHANAN.S	/	/	/	/	/	/
18.	622121204021	JAYASURYA.R	/	/	/	/	/	/
19.	622121204022	JEEVA.S	/	/	/	/	/	/
20.	622121204023	JEEVAANANTH.V	AB	AB	AB	AB	AB	AB
21.	622121204024	KAMALESH.K	/	/	/	/	/	/
22.	622121204027	LARA ARULISHIYA.A	/	/	/	/	/	/
23.	622121204028	MOHAMED MUJJAMEEL.S	/	/	/	/	/	/
24.	622121204029	MOHANAPRIYA.A	/	/	/	/	/	/
25.	622121204031	POOJA.M	/	/	/	/	/	/
26.	622121204032	POOVARASAN.S	/	/	/	/	/	/
27.	622121204033	PRAVEEN KUMAR.T	/	/	/	/	/	/
28.	622121204036	PRAVIN KUMAR.S	/	/	/	/	/	/
29.	622121204037	PREMNATH.M	/	/	/	/	/	/

30.	622121204038	RAGHAVI.R	/	/	/	/	/	/
31.	622121204040	RAGUL.A	/	/	/	/	/	/
32.	622121204041	RAGUNATH.S	/	/	/	/	/	/
33.	622121204042	RAGUPATHI.R	/	/	/	/	/	/
34.	622121204043	RAJESHWARI.D	/	/	/	/	/	/
35.	622121204044	ROSI.R	/	/	/	/	/	/
36.	622121204045	SANJAY.R	/	/	/	/	/	/
37.	622121204046	SANTHOSHKUMAR.S	/	/	/	/	/	/
38.	622121204047	SARATHI.R	/	/	/	/	/	/
39.	622121204049	SRIDHAR.G	/	/	/	/	/	/
40.	622121204050	SWETHA.R	/	/	/	/	/	/
41.	622121204052	THRISHA.K	/	/	/	/	/	/
42.	622121204053	UDHAYAVANAN.K	/	/	/	/	/	/
43.	622121204054	VEDHAVATHI.R	/	/	/	/	/	/
44.	622121204055	VIKRAM.A	/	/	/	/	/	/
45.	622121204056	VIMALRAJ.M	/	/	/	/	/	/
46.	622121204057	VISHVA.V	/	/	/	/	/	/
47.	622121204058	VIVEKA.R	/	/	/	/	/	/

M. Parthasarathy
Course Coordinator

R. Lakshmi
HoD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

GOPINATH C

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Biomaterials** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

KAMALESH K

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Biomaterials** course from **27/03/2023** to **01/04/2023**.

M. Ponnaiah

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SWETHA R

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Biomaterials** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

THRISHA K

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Biomaterials** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

VIVEKA R

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Biomaterials** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

22PTVC501 **NANOMATERIALS AND NANOTECHNOLOGY**

COURSE OBJECTIVES

To enable the students to

- understand the biological approaches of nanomaterials synthesis.
- provide the students to understand the fundamental principles, concepts pertaining to material characterization.
- aims to provide knowledge and recent development in nanotechnology in healthcare and medicine.

Unit I

Introduction-Natural nanocomposite materials – Biologically synthesized nanoparticles, Nanostructures and synthetic nanocomposites– Protein based nanostructure formation – DNA Template nanostructure formation-Protein assembly – Biologically inspired nanocomposites– Lyotropic liquid – Crystal templating – Liquid crystal templating of thin films – Block copolymer templating-Colloidal Templating.

Unit II

Electron microscopes: scanning electron microscope (SEM) – transmission electron microscope (TEM); Scanning Probe Microscopy: atomic force microscope (AFM) – scanning tunnelling microscope(STM); Laser confocal microscope – Brunauer – Emmer – Teller Surface area analysis.

Unit III

Concept of nanomedicines-Rationale for designing of nanomedicines-Nano-structures in nanomedicines-transport of nanoparticles across the biological barriers, parameters affecting binding and uptake of nanoparticles-size, shape, surface charge, protein corona, surface modification-Clinical translation of nanomedicines: Preclinical and clinical considerations of nanomedicines-Regulation of nanomedicines.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- synthesize nanomaterials using biological approaches.
- familiar in structural and morphological techniques to confirms the phases and surface structure of materials.
- understand and account for the design strategies and nano-scale phenomenon nanomedicine

TEXT BOOKS

1. Bimerg, D., Grundmann, M., and Ledentsov, N.N., Quantum Dot Heterostructures, John Wiley 1999.

REFERENCES

1. Poole,C.P., Owens,F.J., Introduction to NanotechnologyJohn Wiley &Sons 2003.

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna university & AICTE, New Delhi)
Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CORDIALLY INVITE YOU TO THE VALUE ADDED COURSE ON

NANOMATERIALS AND NANOTECHNOLOGY

on September 19th to 24th 2022 @ 10.00 am.

Venue: AB304

M.G. Karthih
Course Coordinator

Dr. R. Praveen Cumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Six Days Training Course on "Nanomaterials and Nanotechnology" for Fifth semester students from 19.09.2022 to 24.09.2022. The interested students are asked to enroll their name to the course coordinator Mr.M.G.Karthih/Pharma on or before 16.09.2022.

Course Co-ordinator: 1. Mr.M.G.Karthih/Pharma

HOD/PHARMA

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : III / V

Name of the Course : 22PTVC501 – NANOMATERIALS AND NANOTECHNOLOGY

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22	24.09.22
1.	20204001	AARTHI.J.L	/	/	/	/	/	/
2.	20204002	AKASH.R	/	/	/	/	/	/
3.	20204004	BARATHRAM.R	/	/	/	/	/	/
4.	20204005	CHANDRU.S	/	/	/	/	/	/
5.	20204006	DHARANI.M	/	/	/	/	/	/
6.	20204007	DHARSHINI.D	/	/	/	/	/	/
7.	20204009	GAJENDHIRAN.K	/	/	/	/	/	/
8.	20204010	GANESHPRABHA.M	/	/	/	/	/	/
9.	20204011	GAYATHRI.A	/	/	/	/	/	/
10.	20204012	GOKULAKANNAN.K	/	/	/	/	/	/
11.	20204013	GOKUL KANNAN.C	/	/	/	/	/	/
12.	20204014	GURUPRASANNA.S	/	/	/	/	/	/
13.	20204015	HARISH.S	/	/	/	/	/	/
14.	20204017	INDHUMATHI.K	/	/	/	/	/	/
15.	20204019	JANSIRANI.V	/	/	/	/	/	/
16.	20204021	JOSWA.A	/	/	/	/	/	/
17.	20204022	KALAISELVAN.P.S	/	/	/	/	/	/
18.	20204023	KARISHMA.B	/	/	/	/	/	/
19.	20204024	KEERTHANA.G	/	/	/	/	/	/
20.	20204025	KIRUBA.V	/	/	/	/	/	/
21.	20204026	KIRUTHIKA.K	/	/	/	/	/	/
22.	20204027	KUMARAN.S	/	/	/	/	/	/
23.	20204028	KUMARESAN.D	/	/	/	/	/	/
24.	20204029	LOGANATHAN.P	/	/	/	/	/	/
25.	20204031	MANIKANDAN.A.K	/	/	/	/	/	/
26.	20204032	MENAGA.C	/	/	/	/	/	/
27.	20204033	PONSUMANRAJ.S	/	/	/	/	/	/
28.	20204035	PREMKUMAR.R	/	/	/	/	/	/
29.	20204036	PRIYADHARSHINI.K	/	/	/	/	/	/
30.	20204037	SANGEETHA.G	/	/	/	/	/	/
31.	20204039	SANTHIYA.R	/	/	/	/	/	/

32.	20204040	SANTHOSH.S	/	/	/	/	/	/
33.	20204041	SILAMBARASAN.P	/	/	/	/	/	/
34.	20204043	SOWMYA.R	/	/	/	/	/	/
35.	20204044	SRIKANTH.N	/	/	/	/	/	/
36.	20204045	SRIMATHI.T	/	/	/	/	/	/
37.	20204046	SUMA.R	/	/	/	/	/	/
38.	20204048	THIRUMALAI.A	/	/	/	/	/	/
39.	20204049	THULASIMANI.D	/	/	/	/	/	/
40.	20204050	VAISHNAVI.B	/	/	/	/	/	/
41.	20204051	VENKATESH.V	/	/	/	/	/	/
42.	20204053	VIJAYAKUMAR.V	/	/	/	/	/	/
43.	20204501	EZHILARASAN E	/	/	/	/	/	/
44.	20204701	VAISHNAVI P	/	/	/	/	/	/

Course Coordinator

HoD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

AARTHI J L

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Nanomaterials and Nanotechnology** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

JOSWA A

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Nanomaterials and Nanotechnology** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

INDHUMATHI K

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Nanomaterials and Nanotechnology** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

PONSUMANRAJ S

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Nanomaterials and Nanotechnology** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

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NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SOWMYA R

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Nanomaterials and Nanotechnology** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

22PTVC601 **INTRODUCTION TO CANCER BIOLOGY**

COURSE OBJECTIVES

To enable the students to

- understand the basic biology of cancer
- impact of antibodies against cancer in the human body leading to more effective treatments
- development of cell based and cytokine based immunotherapy against cancer.

Unit I

Regulation of cell cycle, mutations that cause changes in signal molecules, effects on receptor, signal switches, tumour suppressor genes, modulation of cell cycle in cancer, different forms of cancers, diet and cancer. Cancer screening and early detection, Detection using biochemical assays, tumor markers, molecular tools for early diagnosis of cancer.

Unit II

Theory of carcinogenesis, Chemical carcinogenesis, metabolism of carcinogenesis, principles of physical carcinogenesis, x-ray radiation-mechanisms of radiation carcinogenesis.

Unit III

Different forms of therapy, chemotherapy, radiation therapy, detection of cancers, prediction of aggressiveness of cancer, advances in cancer detection. Use of signal targets towards therapy of cancer; Gene therapy.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- appreciate the role of immune system in cancer
- describe self – tolerance machinery and immune surveillance.
- understand and account for the design strategies and nano-scale phenomenon nanomedicine

TEXT BOOKS

1. Weinberg, R.A. "The Biology of Cancer" Garland Science, 2007.

REFERENCES

1. King, Roger J.B. "Cancer Biology" Addison Wesley Longman, 1996. 2. Ruddon, Raymond W. "Cancer Biology" IIIrd Edition. Oxford University Press, 1995.

PAAVAI ENGINEERING COLLEGE

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Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CORDIALLY INVITE YOU TO THE VALUE ADDED COURSE ON

INTRODUCTION TO CANCER BIOLOGY

on March 27th to April 1st 2023 @ 10.00 am.

Venue: AB304

A.Thoufik Rahuman
Course Coordinator

Dr. R. Praveen Cumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL BIOTECHNOLOGY

Dt: [illegible] 10.03.2021

CIRCULAR

It is planned to conduct Six Days Training Course on "Introduction to Marine Biology" for Sixth semester students from 17.03.2021 to 01.04.2021. The interested students are asked to enroll their name to the course coordinator Mr. A. Thoufik Rahuman/Pharma on or before 24.03.2021.

Course Co-ordinator : Mr. A. Thoufik Rahuman/Pharma

HOD/PHARMA

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : III / VI

Name of the Course : 22PTVC601 – INTRODUCTION TO CANCER BIOLOGY

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
1.	20204001	AARTHI.J.L	/	/	/	/	/	/
2.	20204002	AKASH.R	AB	AB	AB	AB	AB	AB
3.	20204004	BARATHRAM.R	/	/	/	/	/	/
4.	20204005	CHANDRU.S	/	/	/	/	/	/
5.	20204006	DHARANI.M	/	/	/	/	/	/
6.	20204007	DHARSHINI.D	/	/	/	/	/	/
7.	20204009	GAJENDHIRAN.K	/	/	/	/	/	/
8.	20204010	GANESHPRABHA.M	/	/	/	/	/	/
9.	20204011	GAYATHRI.A	/	/	/	/	/	/
10.	20204012	GOKULAKANNAN.K	/	/	/	/	/	/
11.	20204013	GOKUL KANNAN.C	/	/	/	/	/	/
12.	20204014	GURUPRASANNA.S	/	/	/	/	/	/
13.	20204015	HARISH.S	/	/	/	/	/	/
14.	20204017	INDHUMATHI.K	/	/	/	/	/	/
15.	20204019	JANSIRANI.V	/	/	/	/	/	/
16.	20204021	JOSWA.A	/	/	/	/	/	/
17.	20204022	KALAISELVAN.P.S	/	/	/	/	/	/
18.	20204023	KARISHMA.B	/	/	/	/	/	/
19.	20204024	KEERTHANA.G	/	/	/	/	/	/
20.	20204025	KIRUBA.V	/	/	/	/	/	/
21.	20204026	KIRUTHIKA.K	/	/	/	/	/	/
22.	20204027	KUMARAN.S	/	/	/	/	/	/
23.	20204028	KUMARESAN.D	/	/	/	/	/	/
24.	20204029	LOGANATHAN.P	/	/	/	/	/	/
25.	20204031	MANIKANDAN.A.K	/	/	/	/	/	/
26.	20204032	MENAGA.C	/	/	/	/	/	/
27.	20204033	PONSUMANRAJ.S	/	/	/	/	/	/
28.	20204035	PREMKUMAR.R	/	/	/	/	/	/
29.	20204036	PRIYADHARSHINI.K	/	/	/	/	/	/
30.	20204037	SANGEETHA.G	/	/	/	/	/	/
31.	20204039	SANTHIYA.R	/	/	/	/	/	/

32.	20204040	SANTHOSH.S	/	/	/	/	/	/
33.	20204041	SILAMBARASAN.P	AB	AB	AB	AB	AB	AB
34.	20204043	SOWMYA.R	/	/	/	/	/	/
35.	20204044	SRIKANTH.N	/	/	/	/	/	/
36.	20204045	SRIMATHI.T	/	/	/	/	/	/
37.	20204046	SUMA.R	/	/	/	/	/	/
38.	20204048	THIRUMALAI.A	/	/	/	/	/	/
39.	20204049	THULASIMANI.D	/	/	/	/	/	/
40.	20204050	VAISHNAVI.B	/	/	/	/	/	/
41.	20204051	VENKATESH.V	/	/	/	/	/	/
42.	20204053	VIJAYAKUMAR.V	/	/	/	/	/	/
43.	20204501	EZHILARASAN E	/	/	/	/	/	/
44.	20204701	VAISHNAVI P	/	/	/	/	/	/

Course Coordinator

HoD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SANTHIYA R

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Introduction to Cancer Biology** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

PRIYADHARSHINI K

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Introduction to Cancer Biology** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

THIRUMALAI A

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Introduction to Cancer Biology** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SANTHOSH S

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Introduction to Cancer Biology** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

THIRUMALAI A

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Introduction to Cancer Biology** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

22PTVC701 **QUALITY CONTROL OF HERBAL DRUGS**

COURSE OBJECTIVES

To enable the students to

- know WHO guidelines for quality control of herbal drugs
- know Quality assurance in herbal drug industry
- appreciate EU and ICH guidelines for quality control of herbal drugs

Unit I

Basic tests for drugs: Pharmaceutical substances, Medicinal plants materials and dosage forms WHO guidelines for quality control of herbal drugs. Evaluation of commercial crude drugs intended for use

Unit II

Quality assurance in herbal drug industry of cGMP, GAP, GMP and GLP in traditional system of medicine, WHO Guidelines on current Good Manufacturing Practices (cGMP) for Herbal Medicines, WHO Guidelines on GACP for Medicinal Plants.

Unit III

Regulatory requirements for herbal medicines, WHO guidelines on safety monitoring of herbal medicines in pharmacovigilance systems, Comparison of various Herbal Pharmacopoeias, Role of chemical and biological markers in standardization of herbal products

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- describe the guidelines of WHO for controlling quality of herbal drugs
- explain method of quality assurance of traditional system of medicine in herbal drug industries
- describe various regulatory requirements related to herbal medicines.

TEXT BOOKS

1. Mukherjee, P.W. Quality Control of Herbal Drugs: An Approach to Evaluation of Botanicals. Business Horizons Publishers, New Delhi, India, 2002.

REFERENCES

1. Aggrawal, S.S., Herbal Drug Technology. Universities Press, 2002.

PAAVAI ENGINEERING COLLEGE

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Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

Announce value added course on

QUALITY CONTROL IN HERBAL DRUGS

on September 19th to 24th 2022 @ 10.00 am.

Venue: AB305

A.Punitha
Course Coordinator

Dr. R. Praveen Cumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all.

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Six Days Training Course on "Quality Control in Herbal Drugs" for Seventh semester students from 19.09.2022 to 24.09.2022. The interested students are asked to enroll their name to the course coordinator Ms.A.Punitha/Pharma on or before 16.09.2022.

Course Co-ordinator: 1. Ms.A.Punitha/Pharma

HOD/PHARMA

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : IV / VII

Name of the Course : 22PTVC701 – QUALITY CONTROL IN HERBAL DRUGS

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22	24.09.22
1.	19204001	ABIRAMI. N	/	/	/	/	/	/
2.	19204002	AJITHKUMAR. T	/	/	/	/	/	/
3.	19204003	AKASH. A	/	/	/	/	/	/
4.	19204004	ANANDHEESWARAN. S	/	/	/	/	/	/
5.	19204006	BOOMIKA. B	/	/	/	/	/	/
6.	19204008	ELAVARASAN. S	/	/	/	/	/	/
7.	19204009	EVANJALINEJOICE. S	/	/	/	/	/	/
8.	19204011	EZHILARASAN. G	/	/	/	/	/	/
9.	19204012	GOKUL. K	/	/	/	/	/	/
10.	19204013	GOKULAKRISHNAN. E	/	/	/	/	/	/
11.	19204014	GOWTHAM. R	/	/	/	/	/	/
12.	19204015	HASRATH. S. P	/	/	/	/	/	/
13.	19204016	JANARTHANAN. P	/	/	/	/	/	/
14.	19204017	JASMINE. A	/	/	/	/	/	/
15.	19204018	JOHN. A	AB	AB	AB	AB	AB	AB
16.	19204020	MAGESWARAN. V	/	/	/	/	/	/
17.	19204021	MANIKANDAN. B	AB	AB	AB	AB	AB	AB
18.	19204022	MANJU. A	/	/	/	/	/	/
19.	19204023	MAYILSAMY. P	/	/	/	/	/	/
20.	19204024	MEGANATHAN. P	/	/	/	/	/	/
21.	19204025	MOHAMMED IRFAN. U	/	/	/	/	/	/
22.	19204026	MOHANDASS. B	/	/	/	/	/	/
23.	19204027	MUKESH KUMAR. S	/	/	/	/	/	/
24.	19204028	NEMA. V	/	/	/	/	/	/
25.	19204031	PRASANTH. P	/	/	/	/	/	/
26.	19204033	PRIYADHARSHINI. G	/	/	/	/	/	/
27.	19204034	PRIYANGA. S	/	/	/	/	/	/
28.	19204035	RAGAVAN. R	/	/	/	/	/	/
29.	19204036	RAJ. M	/	/	/	/	/	/
30.	19204038	SABARINATHAN. A	/	/	/	/	/	/
31.	19204039	SANGAVI. S	/	/	/	/	/	/

32.	19204044	SINDHUJA. P	/	/	/	/	/	/
33.	19204045	SNEGA. S	/	/	/	/	/	/
34.	19204046	SNEKHA. S	/	/	/	/	/	/
35.	19204047	SOWMIYA. M	/	/	/	/	/	/
36.	19204048	SOWNDHARYA. B	/	/	/	/	/	/
37.	19204049	SREENIVAS. M	/	/	/	/	/	/
38.	19204050	SURESH. V	/	/	/	/	/	/
39.	19204051	SURYAKUMAR. P	AB	AB	AB	AB	AB	AB
40.	19204052	SURYA. S	/	/	/	/	/	/
41.	19204053	SWATHI. S	/	/	/	/	/	/
42.	19204054	THARUNRAJA. B	/	/	/	/	/	/
43.	19204055	VIJAY ANAND. D	/	/	/	/	/	/
44.	19204056	VIKRAMAN. M	/	/	/	/	/	/
45.	19204057	VISHNU. N	/	/	/	/	/	/

Course Coordinator

HoD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

ABIRAMI N

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Quality Control in Herbal Drugs** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

NEMA V

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Quality Control in Herbal Drugs** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

BOOMIKA B

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Quality Control in Herbal Drugs** course from **19/09/2022** to **24/09/2022**.

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SURESH V

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Quality Control in Herbal Drugs** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

THARUNRAJA B

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Quality Control in Herbal Drugs** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

22PTVC801 **PROCESS SAFETY ENGINEERING**

COURSE OBJECTIVES

To enable the students to

- aims to introduce the concept of occupational illness
- introduce the concept of diseases present in industrial workers and hazards takes place in industries.
- deals with the safety standard which has been followed in industry and helps to know about the various accidents and safety measures in industry.

Unit I

Classification of Bio hazardous agents –bacterial agents, rickettsial and chlamydial agents, viral agents, fungal, parasitic agents, infectious diseases - Biohazard control program, employee health program-laboratory safety program-animal care and handling-biological safety cabinets - building design- medical safety- Ergonomics-Work Related Musculoskeletal Disorders.

Unit II

Concept and spectrum of health - functional units and activities of occupational health services, pre-employment and post-employment medical examinations - occupational related diseases, levels of prevention of diseases, notifiable occupational diseases such as silicosis, asbestosis, pneumoconiosis, siderosis, anthracosis, aluminosis and anthrax, lead nickel, chromium and manganese toxicity, gas poisoning (such as CO, ammonia, coal and dust etc) their effects and prevention

Unit III

Occupational Safety and Health act of USA (The Williames - Steiger Act of 1970) – Health and safety work act (HASAWA 1974, UK) – OSHAS 18000 – ISO 14000 – American National Standards Institute (ANSI).

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- able to identify, create and report the appropriate methods to reduce and control the biological and ergonomic hazards in process industries.
- able to formulate cutting-edge technology to reduce and control the health hazard and toxicology.
- proficient to differentiate and compose the National and International Safety norms.

TEXT BOOKS

1. McCormick, E.J. and Sanders, M.S., Human Factors in Engineering and Design, Tata McGraw-Hill, 2019.

REFERENCES

1. Dr. K.C. Arora, S.K. ISO 9000 to OHSAS 18001, Kataria & Sons, Delhi, 2012.

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna university & AICTE, New Delhi)
Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CORDIALLY INVITE YOU TO THE VALUE ADDED COURSE ON

PROCESS SAFETY ENGINEERING

on March 27th to April 1st 2023 @ 10.00 am.

Venue: AB305

T. Senthil Kumar
Course Coordinator

Dr. R. Praveen Cumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all.

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

DATE: 20.03.2023

CIRCULAR

It is planned to conduct Six Days Training Course on "Process Safety Engineering" for Eighth semester students from 27.03.2023 to 01.04.2023. The interested students are asked to enroll their name to the course coordinator Mr. T. Senthil Kumar/Pharma on or before 24.03.2023.

Course Co-ordinator: 1. Mr. T. Senthil Kumar/Pharma

HOD/PHARMA

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : IV / VIII

Name of the Course : 22PTVC801 – PROCESS SAFETY ENGINEERING

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
1.	19204001	ABIRAMI. N	/	/	/	/	/	/
2.	19204002	AJITHKUMAR. T	/	/	/	/	/	/
3.	19204003	AKASH. A	/	/	/	/	/	/
4.	19204004	ANANDHEESWARAN. S	/	/	/	/	/	/
5.	19204006	BOOMIKA. B	/	/	/	/	/	/
6.	19204008	ELAVARASAN. S	/	/	/	/	/	/
7.	19204009	EVANJALINEJOICE. S	/	/	/	/	/	/
8.	19204011	EZHILARASAN. G	/	/	/	/	/	/
9.	19204012	GOKUL. K	/	/	/	/	/	/
10.	19204013	GOKULAKRISHNAN. E	/	/	/	/	/	/
11.	19204014	GOWTHAM. R	/	/	/	/	/	/
12.	19204015	HASRATH. S. P	/	/	/	/	/	/
13.	19204016	JANARTHANAN. P	AB	AB	AB	AB	AB	AB
14.	19204017	JASMINE. A	/	/	/	/	/	/
15.	19204018	JOHN. A	AB	AB	AB	AB	AB	AB
16.	19204020	MAGESWARAN. V	/	/	/	/	/	/
17.	19204021	MANIKANDAN. B	/	/	/	/	/	/
18.	19204022	MANJU. A	/	/	/	/	/	/
19.	19204023	MAYILSAMY. P	AB	AB	AB	AB	AB	AB
20.	19204024	MEGANATHAN. P	/	/	/	/	/	/
21.	19204025	MOHAMMED IRFAN. U	/	/	/	/	/	/
22.	19204026	MOHANDASS. B	/	/	/	/	/	/
23.	19204027	MUKESH KUMAR. S	/	/	/	/	/	/
24.	19204028	NEMA. V	/	/	/	/	/	/
25.	19204031	PRASANTH. P	/	/	/	/	/	/
26.	19204033	PRIYADHARSHINI. G	/	/	/	/	/	/
27.	19204034	PRIYANGA. S	/	/	/	/	/	/
28.	19204035	RAGAVAN. R	/	/	/	/	/	/
29.	19204036	RAJ. M	/	/	/	/	/	/
30.	19204038	SABARINATHAN. A	/	/	/	/	/	/
31.	19204039	SANGAVI. S	/	/	/	/	/	/

32.	19204044	SINDHUJA. P	/	/	/	/	/	/
33.	19204045	SNEGA. S	/	/	/	/	/	/
34.	19204046	SNEKHA. S	/	/	/	/	/	/
35.	19204047	SOWMIYA. M	/	/	/	/	/	/
36.	19204048	SOWNDHARYA. B	/	/	/	/	/	/
37.	19204049	SREENIVAS. M	/	/	/	/	/	/
38.	19204050	SURESH. V	/	/	/	/	/	/
39.	19204051	SURYAKUMAR. P	AB	AB	AB	AB	AB	AB
40.	19204052	SURYA. S	/	/	/	/	/	/
41.	19204053	SWATHI. S	/	/	/	/	/	/
42.	19204054	THARUNRAJA. B	/	/	/	/	/	/
43.	19204055	VIJAY ANAND. D	/	/	/	/	/	/
44.	19204056	VIKRAMAN. M	/	/	/	/	/	/
45.	19204057	VISHNU. N	/	/	/	/	/	/

Course Coordinator

HoD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

GOKUL K

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Process Safety Engineering** course from **27/03/2023** to **01/04/2023**.

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SURYA S

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Process Safety Engineering** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

VIKRAMAN M

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Process Safety Engineering** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SINDHUJA P

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Process Safety Engineering** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SOWNDHARYA B

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Process Safety Engineering** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

22PTVC301 **MODERN METHODS OF INSTRUMENTATION**

COURSE OBJECTIVES

To enable the students to

- provide the students an ability to understand the principles of instrumentation
- impart the knowledge of different techniques and methods in instrumentation
- improve the understanding of applications of techniques in the field of pharmaceuticals

Unit I

Principle, Types and applications of Electrophoresis– agarose gel, polyacrylamide gel (PAGE), SDSPAGE–principle, instrumentation and applications; isoelectric focusing–principle and applications; Thermo gravimetric analysis (TGA)-Principle, instrumentation and applications.

Unit II

Radioactive isotopes, radioactive decay and their types, radioactive techniques - RIA, GM counter, Scintillation counter, Applications in Medicine & Diagnosis.

Unit III

Electrochemical cells- Electrode potential cell potentials – potentiometry- reference electrode – ion selective and molecular selective electrodes – Instrument for potentiometric studies – Voltametry – Cyclic and pulse voltametry- Applications of voltametry. Study of surfaces – Scanning probe microscopes – AFM and STM.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- demonstrate the gel electrophoresis and thermal analytical techniques
- asses the importance of radioactive isotopes in modern research
- know the various techniques involved in the electro chemical and Structural analysis.

TEXT BOOKS

1. Willard and Merrit, Instrumental Methods and Analysis. VI Edition, CBS Publishers & Distributors; 2002.

REFERENCES

1. Gurdeep R. Chatwal and Sham K. Anand. Instrumental Methods of Chemical Analysis. 5th Edition. Himalaya Publishing House, India. (2012).

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna university & AICTE, New Delhi)
Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CORDIALLY INVITE YOU TO THE VALUE ADDED COURSE ON

MODERN METHODS OF INSTRUMENTATION

on September 19th to 24th 2022 @ 10.00 am.

Venue: AB303

S. Pragathi
Course Coordinator

Dr. R. Praveen Cumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Six Days Training Course on "Modern Methods of Instrumentation" for Third semester students from 19.09.2022 to 24.09.2022. The interested students are asked to enroll their name to the course coordinator Ms. S.Pragathi/Pharma on or before 16.09.2022.

Course Co-ordinator: 1. Ms. S. Pragathi/Pharma

HOD/PHARMA

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : II / III

Name of the Course : 22PTVC301 – MODERN METHODS OF INSTRUMENTATION

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22	24.09.22
1.	622121204001	ABI.A	/	/	/	/	/	/
2.	622121204002	ABIKOIL.V	/	/	/	/	/	/
3.	622121204003	ABITHA.S	/	/	/	/	/	/
4.	622121204006	BHARATHI.S	/	/	/	/	/	/
5.	622121204007	CHANDRU.V	/	/	/	/	/	/
6.	622121204008	DEEPA.N	/	/	/	/	/	/
7.	622121204009	DHARSHINI.S	/	/	/	/	/	/
8.	622121204010	DHINESH KUMAR.R	AB	AB	AB	AB	AB	AB
9.	622121204012	GOKULKANNAN.K	/	/	/	/	/	/
10.	622121204013	GOPINATH.C	/	/	/	/	/	/
11.	622121204014	GOWRISANKAR.V	/	/	/	/	/	/
12.	622121204015	GOWTHAM.M	/	/	/	/	/	/
13.	622121204016	GUGANRAJ.E	/	/	/	/	/	/
14.	622121204017	GUNASEKARAN.M	AB	AB	AB	AB	AB	AB
15.	622121204018	HEMANATH.S	/	/	/	/	/	/
16.	622121204019	JAMUNARANI.R	/	/	/	/	/	/
17.	622121204020	JANARDHANAN.S	/	/	/	/	/	/
18.	622121204021	JAYASURYA.R	/	/	/	/	/	/
19.	622121204022	JEEVA.S	/	/	/	/	/	/
20.	622121204023	JEEVAANANTH.V	AB	AB	AB	AB	AB	AB
21.	622121204024	KAMALESH.K	/	/		/	/	/
22.	622121204027	LARA ARULISHIYA.A	/	/	/	/	/	/
23.	622121204028	MOHAMED MUJJAMEEL.S	/	/	/	/	/	/
24.	622121204029	MOHANAPRIYA.A	/	/	/	/	/	/
25.	622121204031	POOJA.M	/	/	/	/	/	/
26.	622121204032	POOVARASAN.S	/	/	/	/	/	/
27.	622121204033	PRAVEEN KUMAR.T	/	/	/	/	/	/
28.	622121204036	PRAVIN KUMAR.S	/	/	/	/	/	/
29.	622121204037	PREMNATH.M	/	/	/	/	/	/

30.	622121204038	RAGHAVI.R	/	/	/	/	/	/
31.	622121204040	RAGUL.A	/	/	/	/	/	/
32.	622121204041	RAGUNATH.S	/	/	/	/	/	/
33.	622121204042	RAGUPATHI.R	/	/	/	/	/	/
34.	622121204043	RAJESHWARI.D	/	/	/	/	/	/
35.	622121204044	ROSI.R	/	/	/	/	/	/
36.	622121204045	SANJAY.R	AB	AB	AB	AB	AB	AB
37.	622121204046	SANTHOSHKUMAR.S	/	/	/	/	/	/
38.	622121204047	SARATHI.R	/	/	/	/	/	/
39.	622121204049	SRIDHAR.G	/	/	/	/	/	/
40.	622121204050	SWETHA.R	/	/	/	/	/	/
41.	622121204052	THRISHA.K	/	/	/	/	/	/
42.	622121204053	UDHAYAVANAN.K	/	/	/	/	/	/
43.	622121204054	VEDHAVATHI.R	/	/	/	/	/	/
44.	622121204055	VIKRAM.A	/	/	/	/	/	/
45.	622121204056	VIMALRAJ.M	/	/	/	/	/	/
46.	622121204057	VISHVA.V	/	/	/	/	/	/
47.	622121204058	VIVEKA.R	/	/	/	/	/	/

S. Pragathi
Course Coordinator

R. Lilly
HoD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

BHARATHI S

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Modern Methods of Instrumentation** course from **19/09/2022** to **24/09/2022**.

S. Pragathi

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

DHARSHINI S

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Modern Methods of Instrumentation** course from **19/09/2022** to **24/09/2022**.

S. Pragathi

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

JEEVA S

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Modern Methods of Instrumentation** course from **19/09/2022** to **24/09/2022**.

S. Pragathi

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

POOJA M

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Modern Methods of Instrumentation** course from **19/09/2022** to **24/09/2022**.

S. Pragathi

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SRIDHAR G

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Modern Methods of Instrumentation** course from **19/09/2022** to **24/09/2022**.

S. Praga dhi

Course Coordinator

HOD

Principal

22PTVC401 **BIOMATERIALS**

COURSE OBJECTIVES

To enable the students to

- understand the importance of biomaterials and implants in the healthcare.
- determine and selection of right materials for its bio applications.
- study various materials for biocompatibility

Unit I

Biomaterial, Types of Biomaterials, Biocompatibility, Biological material, Biodegradable material, Bioresorbable material, Bio-inert material, Bio-active material, Pyrogenicity, Minimum Requirements of Biomaterials, Surface Properties of Biomaterials, Desirable Properties of Biomaterial, Performance of Biomaterials, Applications of Biomaterials with examples.

Unit II

Polymeric Biomaterials: Introduction, Basic structures of Polymers, Polymerization and its Types, Polyethylene, Polypropylene, Polyamides, Polyacrylates, Hydrogel, Bone cement, Fluorocarbon polymers, Silicon Rubber, Bioactive Polymers, Biodegradable Polymers, Applications. Dental filling Composites & cement, Porous Composites, Fibrous & Particulate composites.

Unit III

Biocompatibility Testing: Introduction, In-Vitro Testing, In-Vivo Testing, Hypersensitivity, Haemocompatibility, Odontocompatibility, Osteocompatibility, Cytotoxicity, Genotoxicity, Carcinogenicity. Blood-Biomaterial Interactions, Biomaterials-Tissue Interactions, Tissue response to Implants, Inflammation, Wound Healing, Foreign Body Response, Infection and Tumorigenesis of Biomaterials.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- describe biomaterials, classifications, their properties, performance specification and biological applications.
- illustrate the types, composition, properties, manufacturing and applications of Polymeric & Composite biomaterials.
- decide the testing procedure for specific biomaterial/implant and evaluate the response of biomaterial/Implant to Human body

TEXT BOOKS

1. Sujata V. Bhatt, "Biomaterials", 2nd edition, Narosa Publishing House, 2005.

REFERENCES

1. Park J.B., "Biomaterials Science and Engineering", 1st edition, Plenum Press, 1984.

PAAVAI ENGINEERING COLLEGE

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Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

Announce value added course on

BIOMATERIALS

on March 27th to April 1st 2023 @ 10.00 am.

Venue: AB303

M.Ponmanian
Course Coordinator

Dr. R. Praveen Cumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

DATE: 20.03.2023

CIRCULAR

It is planned to conduct Six Days Training Course on "Biomaterials" for Fourth semester students from 27.03.2023 to 01.04.2023. The interested students are asked to enroll their name to the course coordinator Mr.M.Ponmanian/Pharma on or before 24.03.2023.

Course Co-ordinator: 1. Mr.M.Ponmanian/Pharma

HOD/PHARMA

Copy to :

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : II / IV

Name of the Course : 22PTVC401 – BIOMATERIALS

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
1.	622121204001	ABI.A	/	/	/	/	/	/
2.	622121204002	ABIKOIL.V	/	/	/	/	/	/
3.	622121204003	ABITHA.S	/	/	/	/	/	/
4.	622121204006	BHARATHI.S	/	/	/	/	/	/
5.	622121204007	CHANDRU.V	/	/	/	/	/	/
6.	622121204008	DEEPA.N	/	/	/	/	/	/
7.	622121204009	DHARSHINI.S	/	/	/	/	/	/
8.	622121204010	DHINESH KUMAR.R	/	/	/	/	/	/
9.	622121204012	GOKULKANNAN.K	/	/	/	/	/	/
10.	622121204013	GOPINATH.C	/	/	/	/	/	/
11.	622121204014	GOWRISANKAR.V	/	/	/	/	/	/
12.	622121204015	GOWTHAM.M	/	/	/	/	/	/
13.	622121204016	GUGANRAJ.E	/	/	/	/	/	/
14.	622121204017	GUNASEKARAN.M	AB	AB	AB	AB	AB	AB
15.	622121204018	HEMANATH.S	/	/	/	/	/	/
16.	622121204019	JAMUNARANI.R	/	/	/	/	/	/
17.	622121204020	JANARDHANAN.S	/	/	/	/	/	/
18.	622121204021	JAYASURYA.R	/	/	/	/	/	/
19.	622121204022	JEEVA.S	/	/	/	/	/	/
20.	622121204023	JEEVAANANTH.V	AB	AB	AB	AB	AB	AB
21.	622121204024	KAMALESH.K	/	/	/	/	/	/
22.	622121204027	LARA ARULISHIYA.A	/	/	/	/	/	/
23.	622121204028	MOHAMED MUJJAMEEL.S	/	/	/	/	/	/
24.	622121204029	MOHANAPRIYA.A	/	/	/	/	/	/
25.	622121204031	POOJA.M	/	/	/	/	/	/
26.	622121204032	POOVARASAN.S	/	/	/	/	/	/
27.	622121204033	PRAVEEN KUMAR.T	/	/	/	/	/	/
28.	622121204036	PRAVIN KUMAR.S	/	/	/	/	/	/
29.	622121204037	PREMNATH.M	/	/	/	/	/	/

30.	622121204038	RAGHAVI.R	/	/	/	/	/	/
31.	622121204040	RAGUL.A	/	/	/	/	/	/
32.	622121204041	RAGUNATH.S	/	/	/	/	/	/
33.	622121204042	RAGUPATHI.R	/	/	/	/	/	/
34.	622121204043	RAJESHWARI.D	/	/	/	/	/	/
35.	622121204044	ROSI.R	/	/	/	/	/	/
36.	622121204045	SANJAY.R	/	/	/	/	/	/
37.	622121204046	SANTHOSHKUMAR.S	/	/	/	/	/	/
38.	622121204047	SARATHI.R	/	/	/	/	/	/
39.	622121204049	SRIDHAR.G	/	/	/	/	/	/
40.	622121204050	SWETHA.R	/	/	/	/	/	/
41.	622121204052	THRISHA.K	/	/	/	/	/	/
42.	622121204053	UDHAYAVANAN.K	/	/	/	/	/	/
43.	622121204054	VEDHAVATHI.R	/	/	/	/	/	/
44.	622121204055	VIKRAM.A	/	/	/	/	/	/
45.	622121204056	VIMALRAJ.M	/	/	/	/	/	/
46.	622121204057	VISHVA.V	/	/	/	/	/	/
47.	622121204058	VIVEKA.R	/	/	/	/	/	/

M. Parthasarathy
Course Coordinator

R. Lakshmi
HoD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

GOPINATH C

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Biomaterials** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

KAMALESH K

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Biomaterials** course from **27/03/2023** to **01/04/2023**.

M. Ponnaiah

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SWETHA R

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Biomaterials** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

THRISHA K

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Biomaterials** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

VIVEKA R

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Biomaterials** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

22PTVC501 **NANOMATERIALS AND NANOTECHNOLOGY**

COURSE OBJECTIVES

To enable the students to

- understand the biological approaches of nanomaterials synthesis.
- provide the students to understand the fundamental principles, concepts pertaining to material characterization.
- aims to provide knowledge and recent development in nanotechnology in healthcare and medicine.

Unit I

Introduction-Natural nanocomposite materials – Biologically synthesized nanoparticles, Nanostructures and synthetic nanocomposites– Protein based nanostructure formation – DNA Template nanostructure formation-Protein assembly – Biologically inspired nanocomposites– Lyotropic liquid – Crystal templating – Liquid crystal templating of thin films – Block copolymer templating-Colloidal Templating.

Unit II

Electron microscopes: scanning electron microscope (SEM) – transmission electron microscope (TEM); Scanning Probe Microscopy: atomic force microscope (AFM) – scanning tunnelling microscope(STM); Laser confocal microscope – Brunauer – Emmer – Teller Surface area analysis.

Unit III

Concept of nanomedicines-Rationale for designing of nanomedicines-Nano-structures in nanomedicines-transport of nanoparticles across the biological barriers, parameters affecting binding and uptake of nanoparticles-size, shape, surface charge, protein corona, surface modification-Clinical translation of nanomedicines: Preclinical and clinical considerations of nanomedicines-Regulation of nanomedicines.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- synthesize nanomaterials using biological approaches.
- familiar in structural and morphological techniques to confirms the phases and surface structure of materials.
- understand and account for the design strategies and nano-scale phenomenon nanomedicine

TEXT BOOKS

1. Bimerg, D., Grundmann, M., and Ledentsov, N.N., Quantum Dot Heterostructures, John Wiley 1999.

REFERENCES

1. Poole,C.P., Owens,F.J., Introduction to NanotechnologyJohn Wiley &Sons 2003.

PAAVAI ENGINEERING COLLEGE

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Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CORDIALLY INVITE YOU TO THE VALUE ADDED COURSE ON

NANOMATERIALS AND NANOTECHNOLOGY

on September 19th to 24th 2022 @ 10.00 am.

Venue: AB304

M.G. Karthih
Course Coordinator

Dr. R. Praveen Cumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Six Days Training Course on "Nanomaterials and Nanotechnology" for Fifth semester students from 19.09.2022 to 24.09.2022. The interested students are asked to enroll their name to the course coordinator Mr.M.G.Karthih/Pharma on or before 16.09.2022.

Course Co-ordinator: 1. Mr.M.G.Karthih/Pharma

HOD/PHARMA

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : III / V

Name of the Course : 22PTVC501 – NANOMATERIALS AND NANOTECHNOLOGY

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22	24.09.22
1.	20204001	AARTHI.J.L	/	/	/	/	/	/
2.	20204002	AKASH.R	/	/	/	/	/	/
3.	20204004	BARATHRAM.R	/	/	/	/	/	/
4.	20204005	CHANDRU.S	/	/	/	/	/	/
5.	20204006	DHARANI.M	/	/	/	/	/	/
6.	20204007	DHARSHINI.D	/	/	/	/	/	/
7.	20204009	GAJENDHIRAN.K	/	/	/	/	/	/
8.	20204010	GANESHPRABHA.M	/	/	/	/	/	/
9.	20204011	GAYATHRI.A	/	/	/	/	/	/
10.	20204012	GOKULAKANNAN.K	/	/	/	/	/	/
11.	20204013	GOKUL KANNAN.C	/	/	/	/	/	/
12.	20204014	GURUPRASANNA.S	/	/	/	/	/	/
13.	20204015	HARISH.S	/	/	/	/	/	/
14.	20204017	INDHUMATHI.K	/	/	/	/	/	/
15.	20204019	JANSIRANI.V	/	/	/	/	/	/
16.	20204021	JOSWA.A	/	/	/	/	/	/
17.	20204022	KALAISELVAN.P.S	/	/	/	/	/	/
18.	20204023	KARISHMA.B	/	/	/	/	/	/
19.	20204024	KEERTHANA.G	/	/	/	/	/	/
20.	20204025	KIRUBA.V	/	/	/	/	/	/
21.	20204026	KIRUTHIKA.K	/	/	/	/	/	/
22.	20204027	KUMARAN.S	/	/	/	/	/	/
23.	20204028	KUMARESAN.D	/	/	/	/	/	/
24.	20204029	LOGANATHAN.P	/	/	/	/	/	/
25.	20204031	MANIKANDAN.A.K	/	/	/	/	/	/
26.	20204032	MENAGA.C	/	/	/	/	/	/
27.	20204033	PONSUMANRAJ.S	/	/	/	/	/	/
28.	20204035	PREMKUMAR.R	/	/	/	/	/	/
29.	20204036	PRIYADHARSHINI.K	/	/	/	/	/	/
30.	20204037	SANGEETHA.G	/	/	/	/	/	/
31.	20204039	SANTHIYA.R	/	/	/	/	/	/

32.	20204040	SANTHOSH.S	/	/	/	/	/	/
33.	20204041	SILAMBARASAN.P	/	/	/	/	/	/
34.	20204043	SOWMYA.R	/	/	/	/	/	/
35.	20204044	SRIKANTH.N	/	/	/	/	/	/
36.	20204045	SRIMATHI.T	/	/	/	/	/	/
37.	20204046	SUMA.R	/	/	/	/	/	/
38.	20204048	THIRUMALAI.A	/	/	/	/	/	/
39.	20204049	THULASIMANI.D	/	/	/	/	/	/
40.	20204050	VAISHNAVI.B	/	/	/	/	/	/
41.	20204051	VENKATESH.V	/	/	/	/	/	/
42.	20204053	VIJAYAKUMAR.V	/	/	/	/	/	/
43.	20204501	EZHILARASAN E	/	/	/	/	/	/
44.	20204701	VAISHNAVI P	/	/	/	/	/	/

Course Coordinator

HoD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

AARTHI J L

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Nanomaterials and Nanotechnology** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

JOSWA A

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Nanomaterials and Nanotechnology** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

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NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

INDHUMATHI K

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Nanomaterials and Nanotechnology** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

PONSUMANRAJ S

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Nanomaterials and Nanotechnology** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

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Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SOWMYA R

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Nanomaterials and Nanotechnology** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

22PTVC601 **INTRODUCTION TO CANCER BIOLOGY**

COURSE OBJECTIVES

To enable the students to

- understand the basic biology of cancer
- impact of antibodies against cancer in the human body leading to more effective treatments
- development of cell based and cytokine based immunotherapy against cancer.

Unit I

Regulation of cell cycle, mutations that cause changes in signal molecules, effects on receptor, signal switches, tumour suppressor genes, modulation of cell cycle in cancer, different forms of cancers, diet and cancer. Cancer screening and early detection, Detection using biochemical assays, tumor markers, molecular tools for early diagnosis of cancer.

Unit II

Theory of carcinogenesis, Chemical carcinogenesis, metabolism of carcinogenesis, principles of physical carcinogenesis, x-ray radiation-mechanisms of radiation carcinogenesis.

Unit III

Different forms of therapy, chemotherapy, radiation therapy, detection of cancers, prediction of aggressiveness of cancer, advances in cancer detection. Use of signal targets towards therapy of cancer; Gene therapy.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- appreciate the role of immune system in cancer
- describe self – tolerance machinery and immune surveillance.
- understand and account for the design strategies and nano-scale phenomenon nanomedicine

TEXT BOOKS

1. Weinberg, R.A. "The Biology of Cancer" Garland Science, 2007.

REFERENCES

1. King, Roger J.B. "Cancer Biology" Addison Wesley Longman, 1996. 2. Ruddon, Raymond W. "Cancer Biology" IIIrd Edition. Oxford University Press, 1995.

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Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CORDIALLY INVITE YOU TO THE VALUE ADDED COURSE ON

INTRODUCTION TO CANCER BIOLOGY

on March 27th to April 1st 2023 @ 10.00 am.

Venue: AB304

A.Thoufik Rahuman
Course Coordinator

Dr. R. Praveen Cumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL BIOTECHNOLOGY

Dt: [illegible] 10.03.2021

CIRCULAR

It is planned to conduct Six Days Training Course on "Introduction to Marine Biology" for Sixth semester students from 17.03.2021 to 01.04.2021. The interested students are asked to enroll their name to the course coordinator Mr. A. Thoufik Rahuman/Pharma on or before 24.03.2021.

Course Co-ordinator : Mr. A. Thoufik Rahuman/Pharma

HOD/PHARMA

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(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : III / VI

Name of the Course : 22PTVC601 – INTRODUCTION TO CANCER BIOLOGY

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
1.	20204001	AARTHI.J.L	/	/	/	/	/	/
2.	20204002	AKASH.R	AB	AB	AB	AB	AB	AB
3.	20204004	BARATHRAM.R	/	/	/	/	/	/
4.	20204005	CHANDRU.S	/	/	/	/	/	/
5.	20204006	DHARANI.M	/	/	/	/	/	/
6.	20204007	DHARSHINI.D	/	/	/	/	/	/
7.	20204009	GAJENDHIRAN.K	/	/	/	/	/	/
8.	20204010	GANESHPRABHA.M	/	/	/	/	/	/
9.	20204011	GAYATHRI.A	/	/	/	/	/	/
10.	20204012	GOKULAKANNAN.K	/	/	/	/	/	/
11.	20204013	GOKUL KANNAN.C	/	/	/	/	/	/
12.	20204014	GURUPRASANNA.S	/	/	/	/	/	/
13.	20204015	HARISH.S	/	/	/	/	/	/
14.	20204017	INDHUMATHI.K	/	/	/	/	/	/
15.	20204019	JANSIRANI.V	/	/	/	/	/	/
16.	20204021	JOSWA.A	/	/	/	/	/	/
17.	20204022	KALAISELVAN.P.S	/	/	/	/	/	/
18.	20204023	KARISHMA.B	/	/	/	/	/	/
19.	20204024	KEERTHANA.G	/	/	/	/	/	/
20.	20204025	KIRUBA.V	/	/	/	/	/	/
21.	20204026	KIRUTHIKA.K	/	/	/	/	/	/
22.	20204027	KUMARAN.S	/	/	/	/	/	/
23.	20204028	KUMARESAN.D	/	/	/	/	/	/
24.	20204029	LOGANATHAN.P	/	/	/	/	/	/
25.	20204031	MANIKANDAN.A.K	/	/	/	/	/	/
26.	20204032	MENAGA.C	/	/	/	/	/	/
27.	20204033	PONSUMANRAJ.S	/	/	/	/	/	/
28.	20204035	PREMKUMAR.R	/	/	/	/	/	/
29.	20204036	PRIYADHARSHINI.K	/	/	/	/	/	/
30.	20204037	SANGEETHA.G	/	/	/	/	/	/
31.	20204039	SANTHIYA.R	/	/	/	/	/	/

32.	20204040	SANTHOSH.S	/	/	/	/	/	/
33.	20204041	SILAMBARASAN.P	AB	AB	AB	AB	AB	AB
34.	20204043	SOWMYA.R	/	/	/	/	/	/
35.	20204044	SRIKANTH.N	/	/	/	/	/	/
36.	20204045	SRIMATHI.T	/	/	/	/	/	/
37.	20204046	SUMA.R	/	/	/	/	/	/
38.	20204048	THIRUMALAI.A	/	/	/	/	/	/
39.	20204049	THULASIMANI.D	/	/	/	/	/	/
40.	20204050	VAISHNAVI.B	/	/	/	/	/	/
41.	20204051	VENKATESH.V	/	/	/	/	/	/
42.	20204053	VIJAYAKUMAR.V	/	/	/	/	/	/
43.	20204501	EZHILARASAN E	/	/	/	/	/	/
44.	20204701	VAISHNAVI P	/	/	/	/	/	/

Course Coordinator

HoD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SANTHIYA R

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Introduction to Cancer Biology** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

PRIYADHARSHINI K

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Introduction to Cancer Biology** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

THIRUMALAI A

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Introduction to Cancer Biology** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SANTHOSH S

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Introduction to Cancer Biology** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

THIRUMALAI A

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Introduction to Cancer Biology** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

22PTVC701 **QUALITY CONTROL OF HERBAL DRUGS**

COURSE OBJECTIVES

To enable the students to

- know WHO guidelines for quality control of herbal drugs
- know Quality assurance in herbal drug industry
- appreciate EU and ICH guidelines for quality control of herbal drugs

Unit I

Basic tests for drugs: Pharmaceutical substances, Medicinal plants materials and dosage forms WHO guidelines for quality control of herbal drugs. Evaluation of commercial crude drugs intended for use

Unit II

Quality assurance in herbal drug industry of cGMP, GAP, GMP and GLP in traditional system of medicine, WHO Guidelines on current Good Manufacturing Practices (cGMP) for Herbal Medicines, WHO Guidelines on GACP for Medicinal Plants.

Unit III

Regulatory requirements for herbal medicines, WHO guidelines on safety monitoring of herbal medicines in pharmacovigilance systems, Comparison of various Herbal Pharmacopoeias, Role of chemical and biological markers in standardization of herbal products

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- describe the guidelines of WHO for controlling quality of herbal drugs
- explain method of quality assurance of traditional system of medicine in herbal drug industries
- describe various regulatory requirements related to herbal medicines.

TEXT BOOKS

1. Mukherjee, P.W. Quality Control of Herbal Drugs: An Approach to Evaluation of Botanicals. Business Horizons Publishers, New Delhi, India, 2002.

REFERENCES

1. Aggrawal, S.S., Herbal Drug Technology. Universities Press, 2002.

PAAVAI ENGINEERING COLLEGE

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Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

Announce value added course on

QUALITY CONTROL IN HERBAL DRUGS

on September 19th to 24th 2022 @ 10.00 am.

Venue: AB305

A.Punitha
Course Coordinator

Dr. R. Praveen Cumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all.

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

DATE: 12.09.2022

CIRCULAR

It is planned to conduct Six Days Training Course on "Quality Control in Herbal Drugs" for Seventh semester students from 19.09.2022 to 24.09.2022. The interested students are asked to enroll their name to the course coordinator Ms.A.Punitha/Pharma on or before 16.09.2022.

Course Co-ordinator: 1. Ms.A.Punitha/Pharma

HOD/PHARMA

Copy to :

Notice board

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : IV / VII

Name of the Course : 22PTVC701 – QUALITY CONTROL IN HERBAL DRUGS

S.No	Register No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22	24.09.22
1.	19204001	ABIRAMI. N	/	/	/	/	/	/
2.	19204002	AJITHKUMAR. T	/	/	/	/	/	/
3.	19204003	AKASH. A	/	/	/	/	/	/
4.	19204004	ANANDHEESWARAN. S	/	/	/	/	/	/
5.	19204006	BOOMIKA. B	/	/	/	/	/	/
6.	19204008	ELAVARASAN. S	/	/	/	/	/	/
7.	19204009	EVANJALINEJOICE. S	/	/	/	/	/	/
8.	19204011	EZHILARASAN. G	/	/	/	/	/	/
9.	19204012	GOKUL. K	/	/	/	/	/	/
10.	19204013	GOKULAKRISHNAN. E	/	/	/	/	/	/
11.	19204014	GOWTHAM. R	/	/	/	/	/	/
12.	19204015	HASRATH. S. P	/	/	/	/	/	/
13.	19204016	JANARTHANAN. P	/	/	/	/	/	/
14.	19204017	JASMINE. A	/	/	/	/	/	/
15.	19204018	JOHN. A	AB	AB	AB	AB	AB	AB
16.	19204020	MAGESWARAN. V	/	/	/	/	/	/
17.	19204021	MANIKANDAN. B	AB	AB	AB	AB	AB	AB
18.	19204022	MANJU. A	/	/	/	/	/	/
19.	19204023	MAYILSAMY. P	/	/	/	/	/	/
20.	19204024	MEGANATHAN. P	/	/	/	/	/	/
21.	19204025	MOHAMMED IRFAN. U	/	/	/	/	/	/
22.	19204026	MOHANDASS. B	/	/	/	/	/	/
23.	19204027	MUKESH KUMAR. S	/	/	/	/	/	/
24.	19204028	NEMA. V	/	/	/	/	/	/
25.	19204031	PRASANTH. P	/	/	/	/	/	/
26.	19204033	PRIYADHARSHINI. G	/	/	/	/	/	/
27.	19204034	PRIYANGA. S	/	/	/	/	/	/
28.	19204035	RAGAVAN. R	/	/	/	/	/	/
29.	19204036	RAJ. M	/	/	/	/	/	/
30.	19204038	SABARINATHAN. A	/	/	/	/	/	/
31.	19204039	SANGAVI. S	/	/	/	/	/	/

32.	19204044	SINDHUJA. P	/	/	/	/	/	/
33.	19204045	SNEGA. S	/	/	/	/	/	/
34.	19204046	SNEKHA. S	/	/	/	/	/	/
35.	19204047	SOWMIYA. M	/	/	/	/	/	/
36.	19204048	SOWNDHARYA. B	/	/	/	/	/	/
37.	19204049	SREENIVAS. M	/	/	/	/	/	/
38.	19204050	SURESH. V	/	/	/	/	/	/
39.	19204051	SURYAKUMAR. P	AB	AB	AB	AB	AB	AB
40.	19204052	SURYA. S	/	/	/	/	/	/
41.	19204053	SWATHI. S	/	/	/	/	/	/
42.	19204054	THARUNRAJA. B	/	/	/	/	/	/
43.	19204055	VIJAY ANAND. D	/	/	/	/	/	/
44.	19204056	VIKRAMAN. M	/	/	/	/	/	/
45.	19204057	VISHNU. N	/	/	/	/	/	/

Course Coordinator

HoD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

ABIRAMI N

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Quality Control in Herbal Drugs** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

NEMA V

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Quality Control in Herbal Drugs** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

BOOMIKA B

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Quality Control in Herbal Drugs** course from **19/09/2022** to **24/09/2022**.

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SURESH V

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Quality Control in Herbal Drugs** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

THARUNRAJA B

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Quality Control in Herbal Drugs** course from **19/09/2022** to **24/09/2022**.

Course Coordinator	HOD	Principal

22PTVC801 **PROCESS SAFETY ENGINEERING**

COURSE OBJECTIVES

To enable the students to

- aims to introduce the concept of occupational illness
- introduce the concept of diseases present in industrial workers and hazards takes place in industries.
- deals with the safety standard which has been followed in industry and helps to know about the various accidents and safety measures in industry.

Unit I

Classification of Bio hazardous agents –bacterial agents, rickettsial and chlamydial agents, viral agents, fungal, parasitic agents, infectious diseases - Biohazard control program, employee health program-laboratory safety program-animal care and handling-biological safety cabinets - building design- medical safety- Ergonomics-Work Related Musculoskeletal Disorders.

Unit II

Concept and spectrum of health - functional units and activities of occupational health services, pre-employment and post-employment medical examinations - occupational related diseases, levels of prevention of diseases, notifiable occupational diseases such as silicosis, asbestosis, pneumoconiosis, siderosis, anthracosis, aluminosis and anthrax, lead nickel, chromium and manganese toxicity, gas poisoning (such as CO, ammonia, coal and dust etc) their effects and prevention

Unit III

Occupational Safety and Health act of USA (The Williames - Steiger Act of 1970) – Health and safety work act (HASAWA 1974, UK) – OSHAS 18000 – ISO 14000 – American National Standards Institute (ANSI).

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- able to identify, create and report the appropriate methods to reduce and control the biological and ergonomic hazards in process industries.
- able to formulate cutting-edge technology to reduce and control the health hazard and toxicology.
- proficient to differentiate and compose the National and International Safety norms.

TEXT BOOKS

1. McCormick, E.J. and Sanders, M.S., Human Factors in Engineering and Design, Tata McGraw-Hill, 2019.

REFERENCES

1. Dr. K.C. Arora, S.K. ISO 9000 to OHSAS 18001, Kataria & Sons, Delhi, 2012.

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna university & AICTE, New Delhi)
Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CORDIALLY INVITE YOU TO THE VALUE ADDED COURSE ON

PROCESS SAFETY ENGINEERING

on March 27th to April 1st 2023 @ 10.00 am.

Venue: AB305

T. Senthil Kumar
Course Coordinator

Dr. R. Praveen Cumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all.

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

DATE: 20.03.2023

CIRCULAR

It is planned to conduct Six Days Training Course on "Process Safety Engineering" for Eighth semester students from 27.03.2023 to 01.04.2023. The interested students are asked to enroll their name to the course coordinator Mr. T. Senthil Kumar/Pharma on or before 24.03.2023.

Course Co-ordinator: 1. Mr. T. Senthil Kumar/Pharma

HOD/PHARMA

Copy to :

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : IV / VIII

Name of the Course : 22PTVC801 – PROCESS SAFETY ENGINEERING

S.No	Register No	Student Name	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23	01.04.23
1.	19204001	ABIRAMI. N	/	/	/	/	/	/
2.	19204002	AJITHKUMAR. T	/	/	/	/	/	/
3.	19204003	AKASH. A	/	/	/	/	/	/
4.	19204004	ANANDHEESWARAN. S	/	/	/	/	/	/
5.	19204006	BOOMIKA. B	/	/	/	/	/	/
6.	19204008	ELAVARASAN. S	/	/	/	/	/	/
7.	19204009	EVANJALINEJOICE. S	/	/	/	/	/	/
8.	19204011	EZHILARASAN. G	/	/	/	/	/	/
9.	19204012	GOKUL. K	/	/	/	/	/	/
10.	19204013	GOKULAKRISHNAN. E	/	/	/	/	/	/
11.	19204014	GOWTHAM. R	/	/	/	/	/	/
12.	19204015	HASRATH. S. P	/	/	/	/	/	/
13.	19204016	JANARTHANAN. P	AB	AB	AB	AB	AB	AB
14.	19204017	JASMINE. A	/	/	/	/	/	/
15.	19204018	JOHN. A	AB	AB	AB	AB	AB	AB
16.	19204020	MAGESWARAN. V	/	/	/	/	/	/
17.	19204021	MANIKANDAN. B	/	/	/	/	/	/
18.	19204022	MANJU. A	/	/	/	/	/	/
19.	19204023	MAYILSAMY. P	AB	AB	AB	AB	AB	AB
20.	19204024	MEGANATHAN. P	/	/	/	/	/	/
21.	19204025	MOHAMMED IRFAN. U	/	/	/	/	/	/
22.	19204026	MOHANDASS. B	/	/	/	/	/	/
23.	19204027	MUKESH KUMAR. S	/	/	/	/	/	/
24.	19204028	NEMA. V	/	/	/	/	/	/
25.	19204031	PRASANTH. P	/	/	/	/	/	/
26.	19204033	PRIYADHARSHINI. G	/	/	/	/	/	/
27.	19204034	PRIYANGA. S	/	/	/	/	/	/
28.	19204035	RAGAVAN. R	/	/	/	/	/	/
29.	19204036	RAJ. M	/	/	/	/	/	/
30.	19204038	SABARINATHAN. A	/	/	/	/	/	/
31.	19204039	SANGAVI. S	/	/	/	/	/	/

32.	19204044	SINDHUJA. P	/	/	/	/	/	/
33.	19204045	SNEGA. S	/	/	/	/	/	/
34.	19204046	SNEKHA. S	/	/	/	/	/	/
35.	19204047	SOWMIYA. M	/	/	/	/	/	/
36.	19204048	SOWNDHARYA. B	/	/	/	/	/	/
37.	19204049	SREENIVAS. M	/	/	/	/	/	/
38.	19204050	SURESH. V	/	/	/	/	/	/
39.	19204051	SURYAKUMAR. P	AB	AB	AB	AB	AB	AB
40.	19204052	SURYA. S	/	/	/	/	/	/
41.	19204053	SWATHI. S	/	/	/	/	/	/
42.	19204054	THARUNRAJA. B	/	/	/	/	/	/
43.	19204055	VIJAY ANAND. D	/	/	/	/	/	/
44.	19204056	VIKRAMAN. M	/	/	/	/	/	/
45.	19204057	VISHNU. N	/	/	/	/	/	/

Course Coordinator

HoD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

GOKUL K

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Process Safety Engineering** course from **27/03/2023** to **01/04/2023**.

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SURYA S

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Process Safety Engineering** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

VIKRAMAN M

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Process Safety Engineering** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SINDHUJA P

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Process Safety Engineering** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Pharmaceutical Technology

CERTIFICATE

This is to certify

SOWNDHARYA B

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Process Safety Engineering** course from **27/03/2023** to **01/04/2023**.

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE, NAMAKAL-637018
(As Autonomous Institution - Affiliated to Anna University,Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date:27.12.2022

CIRCULAR

It is planned to conduct a Five Day Trainnig Course on **English Articulation** for our first year students from 08.01.2023 to 12.01.2023. Interested students can enroll their names to the course coordinator Mrs.R.Saranya, Assitant Professor /English on or before 04.01.2023

Course coordinator: 1) Mrs.R.Saranya AP/English

Head of the Department
Department of Science & Humanities
Paavai Engineering College (Autonomo
NH-44, Pachal, Namakkal-637 01

Copy to:
1) All Students
2) Notice board

PAAVAI ENGINEERING COLLEGE

(Autonomous)

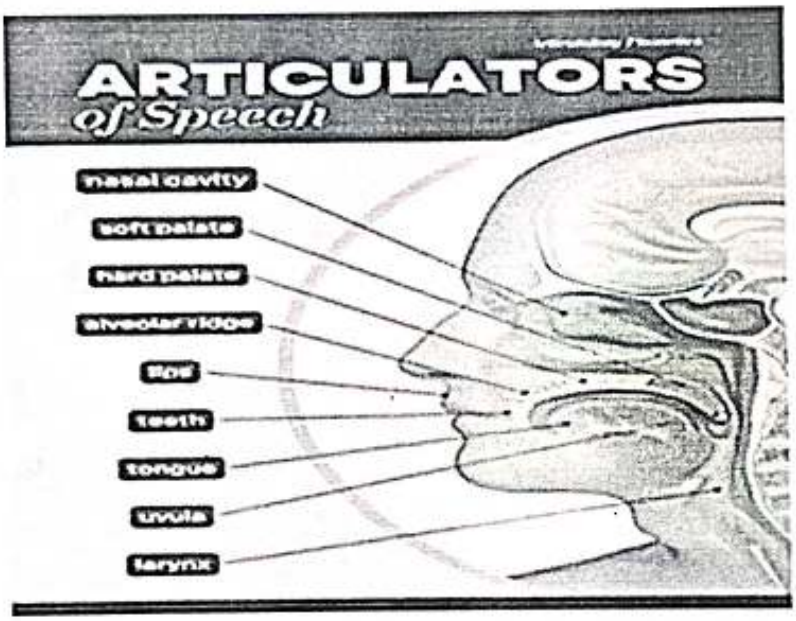
DEPARTMENT OF SCIENCE AND HUMANITIES

VALUE ADDED COURSE

22GEVC101-ENGLISH ARTICULATION

About The Course:

This course refers to the elevate the way you speak to be more articulate so that people want to listen to what you have to say. Articulation is a term used to describe clear pronunciation and talking. It is the ability to move your tongue,.lips, teeth and jaw to produce speech sounds that comprise word and sentences.



INTENDED AUDIENCE:

- All the first year of B.E., B.Tech Students

Date: 08-01-2023 to 12-01-2023

Venue:

1. T403 (Drawing Hall)
2. AB006 (Lecture Hall)
3. AB007 (Lecture Hall)
4. AB104 (Lecture Hall)

[*T –Temple Tower, , AB –Additional Block]

Course Coordinators :

1 .R.Saranya AP/English

2 M.E..HariHaran , AP/English

3 .M.Divya Priya, AP/English

4 .R.Saranya, AP/ English

5. S.Anusuyadevi AP/English

Head of the Department
Department of Science & Humanities
Paavai Engineering College (Autonomous)
NH-44, Pachal, Namakkal-637 018

22GEVC101 **ENGLISH ARTICULATION**

COURSE OBJECTIVES

- To make the learners be familiar with day- to-day casual conversation.
- To equip the learners in formal correspondence.
- To teach the value of vocabulary and syntax.
- To build a solid foundation for using the English language.

UNIT I **8**

Listening Skills- Listening to Conversation (Formal and Informal) -Barriers of Listening - Listening to Announcements–(railway/ bus stations/ airport/ sports announcement/ commentaries etc.) Academic Listening- Listening to Talks and Presentations- Note Taking Tips.

UNIT II **8**

Oral Communication Skills (Speaking Skills) Spelling and Pronunciation - Oral Communication Skills (Communication in Context)- Asking for and giving information-Greeting and introducing Offering and responding to offers- Requesting and responding to requests- Congratulating people on their Success- Expressing Condolences-Asking questions and responding politely- Apologizing and forgiving- Giving instructions-Seeking and giving Permission-Expressing Opinions (likes and dislikes)- Agreeing and disagreeing- Demanding explanations-Asking for and giving advice and suggestions- Expressing.
Sympathy

UNIT III **7**

Understanding and Applying Vocabulary-Words often confused – pairs of words-Blended words-One Word Substitutes-Synonyms and Antonyms- Word Formation: Prefixes, Bases and Suffixes.

UNIT IV **7**

Remedial English Grammar- Articles-Parts of Speech-Tenses- Modals-Prepositions and words followed by prepositions-Concord (Agreement of the verb with the Subject) - Error Analysis.

TOTAL PERIODS: 30

COURSE OUTCOMES

At the end of the course, the students will be able to

- Expand their vocabulary and grammar, and communicate their thoughts verbally and in writing.
- Pay attention to and understand dialogues, brief speeches, and lectures in class.
- Effectively evaluate and comprehend a given text, and employ coherent spoken and written English.
- Effectively communicate and present on many themes.
- Compose flawless letters, essays, and minutes.

WEB SOURCE

1. http://writing-program.uchicago.edu/resources/grammar.htm
2. http://www.grammarbook.com/
3. http://www.myenglishteacher.eu/blog/english-grammar-9-websites-to-learn-and-practice-english-grammar/

Head of the Department
Department of Science & Humanities
Paavai Engineering College (Autonomous,
NH-44, Pachal, Namakkal-637 018

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Chemical Engineering

Year/ Semester: I/I

Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122201001	ABINAYA B	/	/	/	/	/
2	622122201002	ADITHYAN T M	/	/	/	/	/
3	622122201003	AJITHKUMAR M	/	/	/	/	/
4	622122201004	ATCHIAH S	/	/	/	/	/
5	622122201005	DEVADHARSHINI G	/	/	/	/	/
6	622122201006	GOWTHAM S	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept: Bio-tech
Year/ Semester: I/I
Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122206001	ABINAYA M	/	/	/	/	/
2	622122206002	AJAY V	/	/	/	/	/
3	622122206003	ARAVIND M	/	/	/	/	/
4	622122206004	ARUL S	/	/	/	/	/
5	622122206005	AYYAPPAN N	/	/	/	/	/
6	622122206006	BHARATHI PRIYA U	/	/	/	/	/
7	622122206007	BOOBALAN G	/	/	/	/	/
8	622122206008	CHRISTOPHER K P	/	/	/	/	/
9	622122206009	DEEPADHARSHINI V	/	/	/	/	/
10	622122206010	DHANUSH M	/	/	/	/	/

Course coordinator
R. Saranya

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Bio medical Engineeing

Year/ Semester: I/I

Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122109002	ABDULLA S	/	/	/	/	/
2	622122109003	ABINAYA G	/	/	/	/	/
3	622122109004	ABINAYA M.S	/	/	/	/	/
4	622122109005	ABISHAI M	/	/	/	/	/
5	622122109006	ABITHA A	/	/	/	/	/
6	622122109007	AKASH KRISHNA	/	/	/	/	/
7	622122109008	AKASH N	/	/	/	/	/
8	622122109009	ALEENA ABOO JALEEL	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept: Agriculture Engineering
Year/ Semester: I/I
Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122205001	ABINAYA R S	/	/	/	/	/
2	622122205002	ABINAYA S	/	/	/	/	/
3	622122205003	AJAY R	/	/	/	/	/
4	622122205004	AMIRTHASWARNA M	/	/	/	/	/
5	622122205005	ANBARASAN D	/	/	/	/	/
6	622122205006	ARUN M	/	/	/	/	/
7	622122205007	ARUN VIKRAM V	/	/	/	/	/
8	622122205008	BALASRI S	/	/	/	/	/
9	622122205009	CHANDRU M	/	/	/	/	/
10	622122205010	CHERAN C	/	/	/	/	/
11	622122205011	DHANUSH A	/	/	/	/	/
12	622122205012	GIRI K S	/	/	/	/	/
13	622122205013	GOKUL A	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Aeronautical Engineering

Year/ Semester: I/I

Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/11/23	9/11/23	10/11/23	11/11/23	12/11/23
1	622122101001	ABISHEK M	/	/	/	/	/
2	622122101002	AKILAN M	/	/	/	/	/
3	622122101003	ANANDH C	/	/	/	/	/
4	622122101004	BALA G	/	/	/	/	/
5	622122101005	DHARANI SRI V	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Computer Science Engineering

Year/ Semester: I/I

Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122104001	ABIRAMI K V	/	/	/	/	/
2	622122104002	ADHITHYA S	/	/	/	/	/
3	622122104003	AGASH K	/	/	/	/	/
4	622122104004	AJAY S	/	/	/	/	/
5	622122104005	AKASH M	/	/	/	/	/
6	622122104006	AKASH V	/	/	/	/	/
7	622122104007	AKILAN V	/	/	/	/	/
8	622122104008	ALFIN K BINOY	/	/	/	/	/
9	622122104009	ANAND R	/	/	/	/	/
10	622122104010	ANANDH M	/	/	/	/	/
11	622122104011	ANBARASAN V	/	/	/	/	/
12	622122104012	ANBU SELVAN K V	/	/	/	/	/
13	622122104013	ANISHKUMAR R	/	/	/	/	/
14	622122104014	ANITHA S	/	/	/	/	/
15	622122104015	ANUSHIYA N	/	/	/	/	/
16	622122104016	ARITHIRAN R G	/	/	/	/	/
17	622122104017	ARUL RAJ V	/	/	/	/	/
18	622122104018	ARUNA M	/	/	/	/	/
19	622122104019	ARUNKUMAR A	/	/	/	/	/
20	622122104020	ARUNKUMAR C	/	/	/	/	/
21	622122104021	ASVANTH M	/	/	/	/	/
22	622122104022	ASWIN KUMAR S	/	/	/	/	/
23	622122104023	BALAMURUGAN M	/	/	/	/	/
24	622122104024	BANTEILANG LYNGKHOI	/	/	/	/	/
25	622122104025	BARATH ESWARAN S	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: CSE (AIML)

Year/ Semester: I/I

Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122112001	AKASH SRI A	✓	✓	✓	✓	✓
2	622122112002	AKSHITHA.R	✓	✓	✓	✓	✓
3	622122112003	ANISH KLINTON P	✓	✓	✓	✓	✓
4	622122112004	ANUSHALI V	✓	✓	✓	✓	✓
5	622122112005	ARUNACHALAM S R	✓	✓	✓	✓	✓
6	622122112006	ASHWIN KUMAR S	✓	✓	✓	✓	✓
7	622122112007	ATLA MUKESH	✓	✓	✓	✓	✓
8	622122112008	CHEEMAKURTHI KUMAR	✓	✓	✓	✓	✓

Course coordinator

HOD

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: CSE(IOT)

Year/ Semester: I/I

Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122113001	AAKASH K	✓	✓	✓	✓	✓
2	622122116002	ABISHEK S	✓	✓	✓	✓	✓
3	622122119003	ADITHYA.J	✓	✓	✓	✓	✓
4	622122122004	APSARA A	✓	✓	✓	✓	✓
5	622122125005	ARUN P	✓	✓	✓	✓	✓
6	622122128006	ASHIR JOSEPH A	✓	✓	✓	✓	✓
7	622122131007	BELLARASAN M	✓	✓	✓	✓	✓
8	622122134008	BHARATH S	✓	✓	✓	✓	✓

Course coordinator

HOD

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Cyber Security

Year/ Semester: I/I

Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122111001	AADHITHIYAN R	✓	✓	✓	✓	✓
2	622122111002	AASHIK N	✓	✓	✓	✓	✓
3	622122111003	ABHIMANYU C	✓	✓	✓	✓	✓
4	622122111004	ABISHEK G	✓	✓	✓	✓	✓
5	622122111005	AJMAL THAHSEEN A	✓	✓	✓	✓	✓
6	622122111006	ALDAN JERI M	✓	✓	✓	✓	✓
7	622122111007	AMALRAJ M.O	✓	✓	✓	✓	✓
8	622122111008	ANANDHA KUMAR V	✓	✓	✓	✓	✓
9	622122111009	ANTONY WILSON S	✓	✓	✓	✓	✓
10	622122111010	ANU RAGEE K	✓	✓	✓	✓	✓
11	622122111011	ANUSHIYA G.M	✓	✓	✓	✓	✓
12	622122111012	ARASU R	✓	✓	✓	✓	✓
13	622122111013	ARAVIND N	✓	✓	✓	✓	✓
14	622122111014	ARAVINDH S	✓	✓	✓	✓	✓
15	622122111015	AROKIYA RAJ J	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Electrical and Electronics Engineering

Year/ Semester: I/I

Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122106001	ABISHEK K	/	/	/	/	/
2	622122106002	AJAY B	/	/	/	/	/
3	622122106003	ARUNPANDIYAN K	/	/	/	/	/
4	622122106004	BALAJI R	/	/	/	/	/
5	622122106005	BOOJITHKISHORE M	/	/	/	/	/
6	622122106006	BHUVANRAJ S	/	/	/	/	/
7	622122106007	DEVANAND K.S	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Electronics and Communication Engineering

Year/ Semester: I/I

Name of the course : **22GEVC101 ENGLISII ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122105001	AADHITHYA P	/	/	/	/	/
2	622122105002	ABINESH R	/	/	/	/	/
3	622122105003	ABISHEK BALAJI S	/	/	/	/	/
4	622122105004	ADHITHYA R	/	/	/	/	/
5	622122105005	AGALYA C	/	/	/	/	/
6	622122105006	AJAY D	/	/	/	/	/
7	622122105007	AJAY V	/	/	/	/	/
8	622122105008	ARASU S	/	/	/	/	/
9	622122105009	ARAVINDHAN E	/	/	/	/	/
10	622122105010	ARCHANA T	/	/	/	/	/
11	622122105011	ARVINDH V	/	/	/	/	/
12	622122105012	ASHOKVARMA K	/	/	/	/	/
13	622122105013	ASHVITHA R	/	/	/	/	/
14	622122105014	ATCHAYA J	/	/	/	/	/
15	622122105015	ATHITIYAN P	/	/	/	/	/
16	622122105016	BHARATH R	/	/	/	/	/
17	622122105017	BHAVYA S	/	/	/	/	/
18	622122105018	BHUVANESHWARI R	/	/	/	/	/
19	622122105019	BOOBESHNATH .T	/	/	/	/	/
20	622122105020	DANUSH M	/	/	/	/	/
21	622122105021	DEEPA LAKSHMI. S	/	/	/	/	/
22	622122105022	DEEPAK DHARSHAN .P	/	/	/	/	/
23	622122105023	DEEPAK KUMAR.T	/	/	/	/	/

Course coordinator

P. Saranya.

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept: Robotics and Automation
Year/ Semester: I/I
Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122114001	AAKASH C	1	1	1	1	1
2	622122114002	ADHITHYA A	1	1	1	1	1
3	622122114003	AJAY K	1	1	1	1	1
4	622122114004	ALTHAF HUSSAIN P P	1	1	1	1	1
5	622122114005	ARCHANA M	1	1	1	1	1
6	622122114006	ARTHEESWARAN M A	1	1	1	1	1
7	622122114007	BENNY HOSPAN D R	1	1	1	1	1
8	622122114008	BOOPATHI DHANABAL S	1	1	1	1	1
9	622122114009	BOOPATHI S	1	1	1	1	1
10	622122114010	CHANDRAKANTH R	1	1	1	1	1
11	622122114011	CHANDRU J	1	1	1	1	1
12	622122114012	CHIDAMBARAM D	1	1	1	1	1
13	622122114013	DEEPA L	1	1	1	1	1
14	622122114014	DINESH B	1	1	1	1	1
15	622122114015	DHURSHAN R	1	1	1	1	1
16	622122114016	DRAVID C	a	a	a	a	a
17	622122114017	GNANAVEL T	1	1	1	1	1
18	622122114018	GOBIKA M	1	1	1	1	1
19	622122114019	GOKULAVASAN S	1	1	1	1	1
20	622122114020	HAREESH M	1	1	1	1	1
21	622122114021	HARISH R	1	1	1	1	1
22	622122114022	KANGA SRITHAR VA	1	1	1	1	1
23	622122114023	KISHORE S	1	1	1	1	1
24	622122114024	MADHAN KUMAR P	1	1	1	1	1
25	622122114025	MANOJ N	1	1	1	1	1

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL.

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Mechatronics Engineering

Year/ Semester: I/I

Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122210001	ABIMOHAN K	1	1	1	1	1
2	622122210002	AJAY M	1	1	1	1	1
3	622122210003	AKASH V	1	1	1	1	1
4	622122210004	AKASHKANNA D	1	1	1	1	1
5	622122210005	AKASH RAJ	1	1	1	1	1
6	622122210006	BALAMURUGAN G	1	1	1	1	1
7	622122210007	CHENGUTUVAN C	1	1	1	1	1
8	622122210008	CHERISH BABU L	1	1	1	1	1
9	622122210009	DEEPEK KUMAR K	1	1	1	1	1
10	622122210010	DEVANATHAN L	1	1	1	1	1

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Mechanical Engineering

Year/ Semester: I/I

Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122107001	ADITHYADEV KP	/	/	/	/	/
2	622122107002	AMARNATH M	/	/	/	/	/
3	622122107003	ANANDHARAJ A	/	/	/	/	/
4	622122107004	ANBURAJ A	/	/	/	/	/
5	622122107005	ARJUN K	/	/	/	/	/
6	622122107006	ARUL DASS M	/	/	/	/	/
7	622122107007	BALAJI K	/	/	/	/	/
8	622122107008	BHARATH KUMAR R	/	/	/	/	/
9	622122107009	DEEPAKARAN P	/	/	/	/	/
10	622122107010	DEEPAKKUMAR K	/	/	/	/	/
11	622122107011	DEEPAKRAJ M	/	/	/	/	/
12	622122107012	DEGARASAN R	/	/	/	/	/
13	622122107013	DEVADHARSHAN M	/	/	/	/	/
14	622122107014	DEVAPRASATH G	/	/	/	/	/
15	622122107015	DHANUSH M	/	/	/	/	/

Course coordinator

R. Saranya

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Pharmaceutical Engineering

Year/ Semester: I/I

Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122204001	AKASH P	/	/	/	/	/
2	622122204002	ARIVUKARASAN R	/	/	/	/	/
3	622122204003	ASWINTH AJAY G	/	/	/	/	/
4	622122204004	BAKKIYARAJ R	/	/	/	/	/
5	622122204005	CHANDRU S	/	/	/	/	/
6	622122204006	DHANUSHKUMAR R	/	/	/	/	/
7	622122204007	GOBIKA A	/	/	/	/	/
8	622122204008	GOKULRAJ M	/	/	/	/	/

Course coordinator

R. Saranya

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:FOOD TEchnology

Year/ Semester: I/I

Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122203001	ADITHYA S	✓	✓	✓	✓	✓
2	622122203002	AKALYA R	✓	✓	✓	✓	✓
3	622122203003	ANANYA P M	✓	✓	✓	✓	✓
4	622122203004	ARAVIND KUMAR G	✓	✓	✓	✓	✓
5	622122203005	DAKSHAYANI M	✓	✓	✓	✓	✓
6	622122203006	DEEPIKA S	✓	✓	✓	✓	✓
7	622122203007	DINESHKUMAR R	✓	✓	✓	✓	✓
8	622122203008	ELAKKIYA R	✓	✓	✓	✓	✓
9	622122203009	GIRIVASAN G	a	a	a	a	a
10	622122203010	GOMATHI P	✓	✓	✓	✓	✓

Course coordinator

HOD

P. Saranya

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Information Technology

Year/ Semester: I/I

Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122202001	AAFIYA BAREEN.J	✓	✓	✓	✓	✓
2	622122202002	AARYA.M	✓	✓	✓	✓	✓
3	622122202003	ABI.T	✓	✓	✓	✓	✓
4	622122202004	ABINAYA.M	✓	✓	✓	✓	✓
5	622122202005	ABINAYA.P	✓	✓	✓	✓	✓
6	622122202006	AKASH.J.A	✓	✓	✓	✓	✓
7	622122202007	AMEEN ANSARI.J	✓	✓	✓	✓	✓
8	622122202008	ARUL KUMAR.C	✓	✓	✓	✓	✓
9	622122202009	ARUL PRASATH.P	✓	✓	✓	✓	✓
10	622122202010	ARUN KUMAR .A	✓	✓	✓	✓	✓
11	622122202011	ARUN KUMAR.R	✓	✓	✓	✓	✓
12	622122202012	ASHOK KUMAR.K	✓	✓	✓	✓	✓
13	622122202013	ASWINPRABU.M	✓	✓	✓	✓	✓
14	622122202014	BALAVENGADESH.A	✓	✓	✓	✓	✓
15	622122202015	BHARANITHARAN.R	✓	✓	✓	✓	✓
16	622122202016	BHARATHI.S	✓	✓	✓	✓	✓
17	622122202017	CHARUNITHIYA.R	✓	✓	✓	✓	✓
18	622122202018	DEEPSHIKA.M	✓	✓	✓	✓	✓
19	622122202019	DEVARAJAN.V	✓	✓	✓	✓	✓
20	622122202020	DHANASEKARAN.B.S	✓	✓	✓	✓	✓
21	622122202021	DHANUSH.M	✓	✓	✓	✓	✓
22	622122202022	DHANVANTHIRI.J	✓	✓	✓	✓	✓
23	622122202023	DHARANEESH.K	✓	✓	✓	✓	✓
24	622122202024	DHINAKARAN.S	✓	✓	✓	✓	✓
25	622122202025	GANAPATHY.R	✓	✓	✓	✓	✓
26	622122202026	GAYATHRI.R	✓	✓	✓	✓	✓
27	622122202027	GAYATHRI.R	✓	✓	✓	✓	✓
28	622122202028	GIRIBALAN.G	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Civil Engineering

Year/ Semester: I/I

Name of the course : **22GEVC101 ENGLISH ARTICULATION**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122103001	AKILA V	/	/	/	/	/
2	622122103002	ANIE TREESA JOY	/	/	/	/	/
3	622122103003	BALAJI P	/	/	/	/	/
4	622122103004	DHANUSH M	/	/	/	/	/
5	622122103005	DHARANISH P	/	/	/	/	/
6	622122103006	DHINAKARAN A	/	/	/	/	/
7	622122103007	GAYATHRI S	/	/	/	/	/
8	622122103008	HARIKEERTHI R	/	/	/	/	/

Course coordinator

R. Saranya

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Science and Humanities

CERTIFICATE

This is to certify that

CHERRI JASNAVI

of Paavai Engineering College, studying in first year CSE (AI&ML) has successfully completed the value added course **22GEVC101 ENGLISH ARTICULATION** the duration of the course is 30 hours **(08.01.2023 to 12.01.2023).**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Science and Humanities

CERTIFICATE

This is to certify that

AMALRAJ M O

of Paavai Engineering College, studying in first year Cyber Security Engineering has successfully completed the value added course **22GEVC101 ENGLISH ARTICULATION** the duration of the course is 30 hours **(08.01.2023 to 12.01.2023).**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE, NAMAKAL-637018
(As Autonomous Institution - Affiliated to Anna University,Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date:27.12.2022

CIRCULAR

It is planned to conduct a Five Day Trainnig Course on **Aptitute and Reasoning** for our first year students from 08.01.2023 to 12.01.2023. Interested students can enroll their names to the course coordinator Mrs.R.Pradeepa, Associate Professor /Maths on or before 04.01.2023

Course coordinator: 1) Mrs.R.Pradeepa ASP/Maths

HOD
Department of Science & Humanities
Paavai Engineering College (Autonom
NH-44, Pachal, Namakkal-637 0..

Copy to:
1) All Students
2) Notice board

PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF SCIENCE AND HUMANITIES

VALUE ADDED COURSE

22GEVC102-APTITUTE AND REASONING

About The Course:

This course refers to measure or determine a person's ability in a particular skill of field of knowledge. Reasoning is process of evaluation. Aptitude is capability. For example, if someone has an aptitude for math then they can reason out the processes more easily. Aptitude is certain capability like thinking deeply, taking things logically, learning technical subjects, teaching, training people etc.

INTENDED AUDIENCE:

- All the first year of B.E., B.Tech Students

Date: **08-01-2023 to 12-01-2023**

Venue:

1. T218 (Drawing Hall)

2. M206 (Drawing Hall)

3. AB103 (Lecture Hall)

4. AB105 (Lecture Hall)

10. AB106 (Lecture Hall)

[*T –Temple Tower, M – Main Block , AB –Additional Block]

Course Coordinators :

1 . R.Pradeepa, ASP/Maths

2 .K.Uma , ASP/Maths

3 .Dr.M.SathishKumar, ASP/Maths

4 .R.Ramesh, AP/Maths

5 .M.Sathiya, AP/Maths

6 .R.Rajesh, AP/Maths

Head of the Department
Department of Science & Humanities
Paavai Engineering College (Autonomous)
NH-44, Pachal, Namakkal-637 018

22GEVC102

APTITUTE AND REASONING

OBJECTIVES

To enable the students to

- Understand the relevance and need for basics of Quantitative Abilities
- Demonstrate sound knowledge of fundamentals of Arithmetic Quantitative abilities
- Develop a satisfactory competency of Logical Reasoning

UNIT I ALGEBRA - I 6

Logarithms, Problems on ages

UNIT II ARITHMETIC - I 12

Percentages, Profit & Loss, Simple Interest &Compound Interest, Clocks & calendars

UNIT III REASONING 12

Permutations, Combinations, Probability, Logical Reasoning, Analytical Reasoning

TOTALPERIODS: 30

OUTCOMES

Atthe endofthecourse,thestudents willbeableto

- interpret the relevance and need for basics of Quantitative Abilities
- apply the basics of Arithmetic Quantitative abilities to solve a variety of problems
- identify and analyze the competency of Logical Reasoning

TEXTBOOKS

1. Agarwal.R.S–Quantitative Aptitude for Competitive Examinations, S.Chand Limited, 2017
2. Ran Mohan Pandey, General Aptitude Theory and Practice, Path finder Publication, 2020

REFERENCEBOOKS

1. Sijwali.B.S, InduSijwali, Verbal & Analytical Reasoning, Arihant Publications Limited, 2014.
2. Arun Sharma, How to prepare for Quantitative Aptitude for CAT, McGraw Hill Education Private Limited, New Delhi,2003.
3. RajeshVerma, Fast Track Objective Arithmetic, Arihant Publications Limited,2018
4. Edgar Thrope, Test Of Reasoning for Competitive Examinations, Tata McGraw Hill, 4th Edition, 2012.

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Information Technology

Year/ Semester: I/I

Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122202029	GOVIKA.M					
2	622122202030	GOVINDA RAJ.K					
3	622122202031	GURU PRAKASH.A					
4	622122202032	GURU PRASAD.B.G					
5	622122202033	GURUPRASATH.R.S					
6	622122202034	HAREESH.M					
7	622122202035	HARI PRASATH.S					
8	622122202036	HARINISRI.S					
9	622122202037	HARISH.M					
10	622122202038	HEMALATHA .C					
11	622122202039	HIRUTHICK.S					
12	622122202040	JEEVA.R					
13	622122202041	JEVITHA .P					
14	622122202042	KALAIVANI.A.P					
15	622122202043	KALAIYARASI.A					
16	622122202044	KANISHKA.B					
17	622122202045	KANNIKA DEVI.M					
18	622122202046	KARMUGHIL.M.K					
19	622122202047	KARTHICK.S.S					
20	622122202048	KAVIBHARATHI.R					
21	622122202049	KAVIYA.A.M					
22	622122202050	KAVIYARASU.C					
23	622122202051	KIRAN KUMAR.S					
24	622122202052	KISHORE.M					
25	622122202053	KRISHNAMOORTHY.M					
26	622122202054	LOGESWARAN.R					
27	622122202055	MANIKANDAN.S					
28	622122202056	MANIKANDAN.S					
29	622122202057	MANOJ KUMAR.S					
30	622122202058	MATHAN.N					
21	622122202059	MENAKA.V					
22	622122202060	MEYYANATHAN VIGNESH.S					
23	622122202061	MOHAMED HANEEF.S					
24	622122202062	MOHAMMED ASLAM.M					
25	622122202063	MOHAN DAS.P					
26	622122202064	MONIKHA.R					
27	622122202065	MONISHA V					

28	622122202066	MUNISELVAM R					
29	622122202067	MUTHUGOWTHAM G					
30	622122202068	NAVANEETHAN K					
31	622122202069	NISHANTH P					
32	622122202070	NITHISH J					
33	622122202071	NITHISHKUMAR A					
34	622122202072	PARMUGILAN S					
35	622122202073	PARTHASARATHI S					
36	622122202074	PRAGATHI M					
37	622122202075	PRAKASH A					
38	622122202076	PRAVEENA R S					
39	622122202077	PRAVEENKUMAR M					

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Mechatronics Engineering

Year/ Semester: I/I

Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122210011	DINESH G					
2	622122210012	GIRIDHARAN G					
3	622122210013	GOPINATH M					
4	622122210014	GURUPRASATH J					
5	622122210015	HARISH VM					
6	622122210016	KARAN KUMAR G					
7	622122210017	KATHIRAVAN D					
8	622122210018	MANOPRIYAN A					
9	622122210019	MONORANJITH R					
10	622122210020	MOHAMED ISMAIL A					
9	622122210021	NAREN KUMAR S					
10	622122210022	NAVANEETHAM S					

R. D

Course coordinator

[R. Pradeepa]

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept: Robotics and Automation
Year/ Semester: I/I
Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122114026	MARSHAL MICHAEL J					
2	622122114027	MOHANRAJ S					
3	622122114028	PAVITHRA S					
4	622122114029	PAVITHRAN D					
5	622122114030	RAJ KUMAR B					
6	622122114031	RAMARAJ J					
7	622122114032	ROHITH R					
8	622122114033	ROHITH S M					
9	622122114034	SAHAYA SABINESH VIJU C					
10	622122114035	SALMAN FARIS K					
11	622122114036	SAMYUKTHA E					
12	622122114037	SIVAGURU S					
13	622122114038	SIVANESH K					
14	622122114039	SRIMAN BALAJI A					
15	622122114040	SRIMANJUNATH A					
16	622122114041	SURUTHI M					
17	622122114042	THIRUPATHI S					
18	622122114043	VEERAMANI K					
19	622122114044	VENGADESH S					
20	622122114045	VIJAYADHARSINI P					

R. D H
Coursed Coordinator
[R. Pradeepa]

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Mechanical Engineering

Year/ Semester: I/I

Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122107016	DHANUSH S	/	/	/	/	/
2	622122107017	DHARSAN T	/	/	/	/	/
3	622122107018	DINESH V	/	/	/	/	/
4	622122107019	DIVAKAR C	/	/	/	/	/
5	622122107020	ELUMALAI P	/	/	/	/	/
6	622122107021	GOKUL M K	/	/	/	/	/
7	622122107022	GOKULAPRASATH R	/	/	/	/	/
8	622122107023	HARIHARAN S	/	/	/	/	/
9	622122107024	IYAPPAN G	/	/	/	/	/
10	622122107025	JAYACHANDHIRAN J	/	/	/	/	/

R. DH

Course coordinator

[R. Pradeep]

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Aeronautical Engineering

Year/ Semester: I/I

Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122101006	GIRIRAJ R	/	/	/	/	/
2	622122101007	GOWTHAM V	/	/	/	/	/
3	622122101008	GURUNATHAN K	/	/	/	/	/
4	622122101009	HARIPRAKASH R	/	/	/	/	/
5	622122101010	HEMACHANDER R	/	/	/	/	/
6	622122101011	INBARAJ N	/	/	/	/	/
7	622122101012	JANANI G	/	/	/	/	/
8	622122101013	JASVANTHKANNAN S	/	/	/	/	/

R. D

Course coordinator

HOD

[R. Pradeepa]

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Agriculture Engineering

Year/ Semester: I/I

Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122205014	GOKULA KANNAN M	/	/	/	/	/
2	622122205015	GOKULA KRISHNAN B	/	/	/	/	/
3	622122205016	HARIHARAN V	/	/	/	/	/
4	622122205017	HEMANATH S	/	/	/	/	/
5	622122205018	INBA ELAVARASI A	/	/	/	/	/
6	622122205019	JENIFER S	/	/	/	/	/
7	622122205020	KAMALESH M	/	/	/	/	/
8	622122205021	KANISHKA S	/	/	/	/	/
9	622122205022	KAVIYARASI S	/	/	/	/	/
10	622122205023	KEERTHI M	/	/	/	/	/
11	622122205024	LOKESH R	/	/	/	/	/
12	622122205025	MADHANKUMAR K	/	/	/	/	/
13	622122205026	MARIMUTHU R	/	/	/	/	/

R. D

Course coordinator

[R. Pradeepa]

HOD

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: CSE(IOT)

Year/ Semester: I/I

Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122137009	BHARATHI RAJA K	/	/	/	/	/
2	622122140010	BOOPATHI G	/	/	/	/	/
3	622122143011	BRINDHA S	/	/	/	/	/
4	622122146012	DHANUSH CV	/	/	/	/	/
5	622122149013	DHARANIDHARAN T	/	/	/	/	/
6	622122152014	GOKUL KRISHNAN M	/	/	/	/	/
7	622122155015	HARIHARAN G	/	/	/	/	/
8	622122158016	HARISHA K	/	/	/	/	/
9	622122161017	HARIVASAN S	/	/	/	/	/
10	622122164018	JAYARAMAN C	/	/	/	/	/

R. D

Course coordinator

[R. Pradeepa]

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept: Computer Science Engineering
Year/ Semester: I/I
Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122104026	BASKAR S	/	/	/	/	/
2	622122104027	BENSHO SULFICK SINGH J D	/	/	/	/	/
3	622122104028	DEEPAK L	/	/	/	/	/
4	622122104029	DELPHINAA F	/	/	/	/	/
5	622122104030	DEVIPRIYA T	/	/	/	/	/
6	622122104031	DHANALAKSHMI V	/	/	/	/	/
7	622122104032	DHANUSHYA V	/	/	/	/	/
8	622122104033	DHATCHINAMOORTHY S	/	/	/	/	/
9	622122104034	DHIKSHANTH K	/	/	/	/	/
10	622122104035	DHIVYASHREE P	/	/	/	/	/
11	622122104036	DHIVYASRI R	/	/	/	/	/
12	622122104037	DINESH M	/	/	/	/	/
13	622122104038	DINESHKUMAR S	/	/	/	/	/
14	622122104039	EBIN ANDREWS K	/	/	/	/	/
15	622122104040	EZHILVADHANI T	/	/	/	/	/
16	622122104041	GEETHA D	/	/	/	/	/
17	622122104042	GOBINISHA R	/	/	/	/	/
18	622122104043	GOKUL A	/	/	/	/	/
19	622122104044	GOKUL M	/	/	/	/	/
20	622122104045	GOKUL S	/	/	/	/	/
21	622122104046	GOKULAPRIYA R	/	/	/	/	/
22	622122104047	GOPIKA S	/	/	/	/	/
23	622122104048	GUNA S	/	/	/	/	/
24	622122104049	HARIDHARAN D	/	/	/	/	/
25	622122104050	HARIHARAN S	/	/	/	/	/
26	622122104051	HARINI G	/	/	/	/	/
27	622122104052	HARINISRI B	/	/	/	/	/
28	622122104053	HARIRAMAN P	/	/	/	/	/
29	622122104054	INDHUJA P	/	/	/	/	/
30	622122104055	INDIRA M	/	/	/	/	/
31	622122104056	JAGADEEP VISHNU T	/	/	/	/	/
32	622122104057	JAGAN N	/	/	/	/	/
33	622122104058	JENITH ANISHA S	/	/	/	/	/
34	622122104059	JEREMIAH RENSWICK J	/	/	/	/	/
35	622122104060	JERLIN JENOVA R	/	/	/	/	/
36	622122104061	JESINTHA V	/	/	/	/	/
37	622122104062	JESWANTH K	/	/	/	/	/
38	622122104063	JOTHISRI S	/	/	/	/	/
39	622122104064	KAANCHINATH N	/	/	/	/	/
40	622122104065	KAAVIYAN V	/	/	/	/	/

R. DHF
Course coordinator

S.A
HOD

[R. Pradeepa]

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: CSE(AI&ML)

Year/ Semester: I/I

Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122112009	CHERRI JASNAVI	/	/	/	/	/
2	622122112010	CHITTE LAKSHMI NARASIMHA	/	/	/	/	/
3	622122112011	DAMA MANIVARDHAN	/	/	/	/	/
4	622122112012	DEVA SACHIN AV	/	/	/	/	/
5	622122112013	DHANISH B	/	/	/	/	/
6	622122112014	DARSHAN S	/	/	/	/	/
7	622122112015	DIVYA SRI M	/	/	/	/	/
8	622122112016	EKANTHREDDY S	/	/	/	/	/
9	622122112017	FAHAD MISHAL V A	/	/	/	/	/

Course coordinator

HOD

[R. Pradeepa]

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Bio-Tech

Year/ Semester: I/I

Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122206011	DHARSHINI SHREE N	/	/	/	/	/
2	622122206012	DINESHKUMAR S	/	/	/	/	/
3	622122206013	ELAKKIYA S	/	/	/	/	/
4	622122206014	GOKULRAJ K	/	/	/	/	/
5	622122206015	HARIHARAN D	/	/	/	/	/
6	622122206016	HARIHARASUDHAN T	/	/	/	/	/
7	622122206017	HARINI R	A	A	A	A	A
8	622122206018	HARSHINI P	/	/	/	/	/
9	622122206019	INDHUJA G	/	/	/	/	/
10	622122206020	JAYASURYA J	/	/	/	/	/

R. Dhf

Course coordinator

HOD

[R. Pradeepa]

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept: Chemical Engineering
Year/ Semester: I/I
Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122201007	GREESWARAN A	/	/	/	/	/
2	622122201008	HARISH R	/	/	/	/	/
3	622122201009	JASVANTH SHIYAM R	/	/	/	/	/
4	622122201010	JEYASURYA M	/	/	/	/	/
5	622122201011	MUTHAMILARASAN P	/	/	/	/	/
6	622122201012	MUTHUSELVAN S	/	/	/	/	/

R. D
Course coordinator

[R. Pradeepa]

S.
HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Biomedical Engineering

Year/ Semester: I/I

Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122109010	ANANDHARAJ M	/	/	/	/	/
2	622122109011	ARUN KUMAR S	/	/	/	/	/
3	622122109012	ATHISTALAKSHMI B	/	/	/	/	/
4	622122109013	AVANTHIKASRI M	/	/	/	/	/
5	622122109014	BALA SIVANESARAJ M	/	/	/	/	/
6	622122109015	BALAJI D	/	/	/	/	/
7	622122109016	BHUVANESHWARI S	/	/	/	/	/
8	622122109017	BOOBALAN K	/	/	/	/	/
9	622122109018	DEEPIKA S	/	/	/	/	/
10	622122109019	FAWAS SHAJAHAN	/	/	/	/	/
11	622122109020	GOMATHI R	/	/	/	/	/
12	622122109021	GOWTHAM KUMAR N	/	/	/	/	/
13	622122109022	HARIKRISHNAN S	/	/	/	/	/
14	622122109023	HARINI R	/	/	/	/	/

R. DHF

Course coordinator

[R. Pradeepa]

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Electronics and Communication Engineering

Year/ Semester: I/I

Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122105024	DEEPAK RAJA.G					
2	622122105025	DEEPAK .T					
3	622122105026	DEVADHARSHNI.U					
4	622122105027	DEVASRI P S					
5	622122105028	DEVENDHIRAN.S					
6	622122105029	DHARANINATHAN K S					
7	622122105030	DHARINEESH.M J					
8	622122105031	DHARSHAN K					
9	622122105032	DHIVYADHARSHINI.M					
10	622122105033	DINESH SURYA .S					
11	622122105034	DIVIYA.P					
12	622122105035	FATHIMA R					
13	622122105036	FREDRIC STENOFER. J					
14	622122105037	GAYAM NAGENDRA REDDY					
15	622122105038	GOBIKA.D.S					
16	622122105039	GOKUL KRISHNA J					
17	622122105040	GOKULAKRISHANAN G					
18	622122105041	GOKULNATH.P					
19	622122105042	GOWRI SHANKAR. A. S					
20	622122105043	GOWTHAMAN. D					
21	622122105044	GUNASELVI .S					
22	622122105045	GURUPRADEEP T					
23	622122105046	HARI PRASATH .K					
24	622122105047	HARI S					
25	622122105048	HARIHARAN C					
26	622122105049	HARIHARAN. K					
27	622122105050	HARIHARAN.K					
28	622122105051	HARIKRISHNAN V					
29	622122105052	HARISH.K					
30	622122105053	HARISH L					
31	622122105054	HARISH V					
32	622122105055	HEMA V					
33	622122105056	IRISH.S					
34	622122105057	ISWARYA H					
35	622122105058	JAGADEESH.R					
36	622122105059	JANANI .D					
37	622122105060	JAY GANESH K					
38	622122105061	JAYA KUMAR V					
39	622122105062	JAYAHARSHITHA. K					
40	622122105063	JOTHIBALA A					

course coodinator

[R. Pradeepa]

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Electrical and Electronics Engineering

Year/ Semester: I/I

Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122106008	DEVIBALA R					
2	622122106009	DHARSHAN S					
3	622122106010	ELAKIYYA R					
4	622122106011	ELUMALAI					
5	622122106012	EZILARASU M.G					
6	622122106013	GHAJENDRAN S					
7	622122106014	GOPIKA M					
8	622122106015	GOWTHAM M					
9	622122106016	GUNALAN V					
10	622122106017	HARISH G					

R. Dhf

Course coordinator

S. [illegible]

HOD

[R. Pradeepa]

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Food Technology

Year/ Semester: I/I

Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122203011	GOWTHAM P	✓	✓	✓	✓	✓
2	622122203012	HARSALYA R	✓	✓	✓	✓	✓
3	622122203013	ILANCHEZHIYAN S	✓	✓	✓	✓	✓
4	622122203014	JANANI E	✓	✓	✓	✓	✓
5	622122203015	JEEVA S	✓	✓	✓	✓	✓
6	622122203016	JEGADEESH S	✓	✓	✓	✓	✓
7	622122203017	KAVINKUMAR R	✓	✓	✓	✓	✓
8	622122203018	LALITH KUMAR R	✓	✓	✓	✓	✓
9	622122203019	LISHA T	✓	✓	✓	✓	✓
10	622122203020	MANSHRI M	✓	✓	✓	✓	✓

R.D

Course coordinator

[R. Pradeepa]

HOD

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Cyber Security

Year/ Semester: I/I

Name of the course : **22GEVC102 APTITUTE AND REASONING**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122111016	AVINESH R					
2	622122111017	AYATHULLA N					
3	622122111018	BALAJI SANJAY A					
4	622122111019	BALAMURUGAN S					
5	622122111020	BANU S					
6	622122111021	BARANINISHANTH P					
7	622122111022	BARANITHARAN V					
8	622122111023	BERLIN JAISH M					
9	622122111024	BHARATH M					
10	622122111025	BRAMMADEVAN P					
11	622122111026	CHANDRU K					
12	622122111027	CHEEMALADINNE LAKSHMIVARDHAN					
13	622122111028	CHENNAKESAVAN M					
14	622122111029	CHITTURI NAVINEETH					
15	622122111030	DEVADHARSHINI S					
16	622122111031	DHANDAYUTHAPANI A					
17	622122111032	DHANUSH M					
18	622122111033	DHANUSHKUMAR M					
19	622122111034	DHARSHANA R					
20	622122111035	DHIYA D					
21	622122111036	DIWAHAR V					
22	622122111037	EZHILARASAN A					
23	622122111038	GANAPATHI M					
24	622122111039	GOKUL K					

Course coordinator

[R. Radhapa]

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Science and Humanities

CERTIFICATE

This is to certify that

ABITHA.A

of Paavai Engineering College, studying in first year Bio-Medical Engineering has successfully completed the value added course **22GEVC102 APTITUTE AND REASONING** the duration of the course is 30 hours **(08.01.2023 to 12.01.2023).**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Science and Humanities

CERTIFICATE

This is to certify that

KISHORE.M

of Paavai Engineering College, studying in first year Information Technology has successfully completed the value added course **22GEVC102 APTITUTE AND REASONING** the duration of the course is 30 hours **(08.01.2023 to 12.01.2023).**

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE, NAMAKAL-637018
(As Autonomous Institution - Affiliated to Anna University,Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date:27.12.2022

CIRCULAR

It is planned to conduct a Five Day Trainnig Course on **Industrial Inorganic Materials** for our first year students from 08.01.2023 to 12.01.2023. Interested students can enroll their names to the course coordinator Mrs.R.Saranya, Assitant Professor /Chemistry on or before 04.01.2023

Course coordinator: 1) Dr.N.Dhanabalan ASP/Chemistry

Head of the Department
Department of Science & Humanities
Paavai Engineering College (Autonom...
NH-44, Pachal, Namakkal-637 0...

Copy to:
1) All Students
2) Notice board

PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF SCIENCE AND HUMANITIES

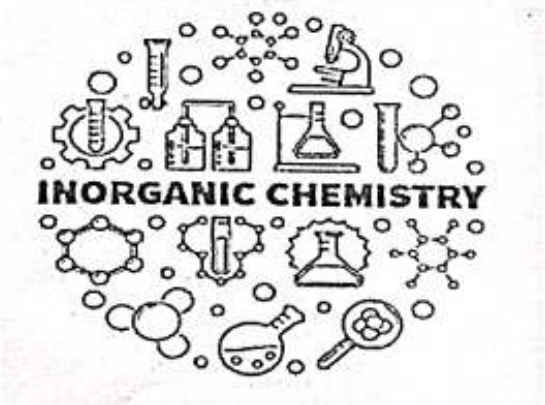
VALUE ADDED COURSE

22GEVC103- INDUSTRIAL INORGANIC MATERIALS

About The Course:

This course refers to equip students to critically assess inorganic compounds, predict their properties based on chemistry, and design new materials .Industrial inorganic materials provides a survey on the production of essential elements and compounds, such as sulfuric acid, calcium carbonate, fertilizers etc.,

INTENDED AUDIENCE:



- All the first year of B.E., B.Tech Students

Date: **08-01-2023 to 12-01-2023**

Venue:

AB301 (Drawing Hall)

AB 204 (Lecture Hall)

AB 205 (Lecture Hall)

[*AB –Additional Block]

Course Coordinators :

1 .Dr.N.Dhanabalan ASP/Chemistry

2 .Dr.N.Geetha, ASP/ Chemitry

3 . R.Gayathri , AP/Chemitry

4 .N.Vijayananth ASP/Chemistry

5 .R.Sharmila ASP/Chemistry

Head of the Department
Department of Science & Humanities
Paavai Engineering College (Autonomous)
NH-44, Pachal, Namakkal-637 018

22GEVC 103 INDUSTRIAL INORGANIC MATERIALS

COURSE OBJECTIVES

To enable the students to

- learn about silicates, surface coatings, engineering materials for mechanical construction and in emerging area of nano-sized materials.
- develop the interest of students in the frontier areas of material chemistry

Module I SILICATE INDUSTRIES **10**

Glass: Glassy state and its properties, classification (silicate and non-silicate glasses). Manufacture and processing of glass. Composition and properties of the following types of glasses: Soda lime glass, lead glass, armoured glass, different types of safety glass, borosilicate glass, fluorosilicate glass, coloured glass, photosensitive glass, photochromic glass, glass wool and optical fiber.**Ceramics:** Brief introduction to types of ceramics. glazing of ceramics. Elementary ideas on compositions, Process of enameling & glazing and their properties.

Module II SURFACE COATINGS **10**

Brief introduction to and classification of surface coating, pigment volume concentration (PVC) and critical pigment volume concentration (CPVC), Vapour deposition: CVD, PVD and its Types. Sputtering types - Ion Beam Sputtering (IBD). Protective Coatings-Hotdippin-Galvanizing. Metal Cladding: Cementation- Chromising- Sherardising.Anodic and cathodic coatings. Classification based on application, fluropolymers, automotive finishes, coil coatings, can coatings, marine coatings, aircraft coatings .

Module III COMPOSITE MATERIALS **10**

Introduction, limitations of conventional engineering materials, role of matrix in composites, classification, matrix materials, reinforcements, metal-matrix composites (MMC), classifications,characteristics,stir casting technique,applications in aerospace and automobile industry. Processing of Composite Materials: Overall considerations, Autoclave curing, Other Manufacturing Processes like filament welding, compression moulding, resin-transplant method,

TOTAL: 30 PERIODS

COURSE OUTCOMES

After completing the course, the student will be able,

- Learn the composition and applications of the different kinds of glass and understand glazing of ceramics and the factors affecting their porosity.
- Explain the process of formulation of paints and the basic principle behind the protection offered by the surface coatings.
- Explain the importance of composites, and their applications.

REFERENCES

1. Smart, L. E.; Moore, E. A. Solid State Chemistry An Introduction, CRC Press Taylor &Francis.2016
2. West, A. R. Solid State Chemistry and Its Application, Wiley.2018
3. Atkins, P.W.; Overton, T.L.; Rourke, J.P.; Weller, M.T.; Armstrong, F.A. Shriver and Atkins Inorganic Chemistry, W. H. Freeman and Company.2015
4. 4. Kent, J. A. 2ed,Riegel's Handbook of Industrial Chemistry, CBS Publishers, New Delhi.2017
5. Rao, C. N. R.; Gopalakrishnan, J. New Direction in Solid State Chemistry, Cambridge University.2016

Head of the Department
Department of Science & Humanities
Paavai Engineering College (Autonomous)
NH-44, Pachal, Namakkal-637 018

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Electrical and Electronics Engineering

Year/ Semester: I/I

Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122106018	HARISH RAJ P	✓	✓	✓	✓	✓
2	622122106019	HEMA R	✓	✓	✓	✓	✓
3	622122106020	ISHAAQ M	✓	✓	✓	✓	✓
4	622122106021	ISHWARIYA T	✓	✓	✓	✓	✓
5	622122106022	JAYASRI D	✓	✓	✓	✓	✓
6	622122106023	JEEVA D	✓	✓	✓	✓	✓
7	622122106024	KAVIYA N	✓	✓	✓	✓	✓
8	622122106025	KAVIYARASAN K	✓	✓	✓	✓	✓
9	622122106026	KIRUTHIKA C	✓	✓	✓	✓	✓
10	622122106027	LAKSHMI M	✓	✓	✓	✓	✓

Course Coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Electronics and Communication Engineering

Year/ Semester: I/I

Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122105064	JOTHILAKSHMI M	/	/	/	/	/
2	622122105065	KANIMOLEI M	/	/	/	/	/
3	622122105066	KANISHA K	/	/	/	/	/
4	622122105067	KANISHKAR S K	/	/	/	/	/
5	622122105068	KARTHICK KRISHNA A S	/	/	/	/	/
6	622122105069	KAVIN S	/	/	/	/	/
7	622122105070	KAVIN S	/	/	/	/	/
8	622122105071	KAVINRAJ M	a	a	a	a	a
9	622122105072	KAVIYA SRI K	/	/	/	/	/
10	622122105073	KAYAKAKULA SAIKRISHNA	/	/	/	/	/
11	622122105074	KIRUTHICKRAJ T	/	/	/	/	/
12	622122105075	KIRUTHIKA P	/	/	/	/	/
13	622122105076	KISHORE D	/	/	/	/	/
14	622122105077	KISHORE KUMAR S	/	/	/	/	/
15	622122105078	LINGESHWARAN V	/	/	/	/	/
16	622122105079	MADHAN KUMAR S	/	/	/	/	/
17	622122105080	MADHAN R	/	/	/	/	/
18	622122105081	MADHUVARSHINI C	/	/	/	/	/
19	622122105082	MAHESHWARI S	/	/	/	/	/
20	622122105083	MAIVIZHI S	/	/	/	/	/

Coordinator

HOD

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Cyber Security

Year/ Semester: I/I

Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	8.1.2023	9.1.23	10.1.23	11.1.23	12.1.23
1	622122111040	GOKULRAJ M	/	/	/	/	/
2	622122111041	GOWDHAM A	/	/	/	/	/
3	622122111042	GOWTHAM S	/	/	/	/	/
4	622122111043	GOWTHAMAN V	/	/	/	/	/
5	622122111044	GUNDALA VENKATESWARLU	/	/	/	/	/
6	622122111045	GUNTUPALLI MANOJ	/	/	/	/	/
7	622122111046	GURU PRASATH B	/	/	/	/	/
8	622122111047	GURUKISHORE T	/	/	/	/	/
9	622122111048	HANSIKA K	/	/	/	/	/
10	622122111049	HARIHARAN R.S	/	/	/	/	/
11	622122111050	HARIKARAN V	/	/	/	/	/
12	622122111051	HEMA DINESH V	/	/	/	/	/
13	622122111052	JANA V	/	/	/	/	/
14	622122111053	JAYSANKAR P	/	/	/	/	/
15	622122111054	JOHN P.M	/	/	/	/	/
16	622122111055	KALIRAJ M	/	/	/	/	/
17	622122111056	KARTHIK SANKKAR V.B	/	/	/	/	/
18	622122111057	KARTHIKA P	/	/	/	/	/
19	622122111058	KARTHIKEYAN V	/	/	/	/	/
20	622122111059	KAVIYARASU R	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: CSE(Artificial Inteligent And Machine Learning)

Year/ Semester: I/I

Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	8.1.2023	9.1.23	10.1.23	11.1.23	12.1.23
1	622122112018	GANGERI CHAITANYA	/	/	/	/	/
2	622122112019	GUGAN M	/	/	/	/	/
3	622122112020	HARI E	/	/	/	/	/
4	622122112021	HARINI.M	/	/	/	/	/
5	622122112022	HARISH.P	/	/	/	/	/
6	622122112023	HARITHA B	/	/	/	/	/
7	622122112024	IMTHIYAS M	/	/	/	/	/
8	622122112025	JAI SURYA S	/	/	/	/	/
9	622122112026	JEEVANANDAN V	/	/	/	/	/
10	622122112027	KHASIF KHAN C	/	/	/	/	/

Course coordinator

HOD

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: CSE(Internet Of Things)

Year/ Semester: I/I

Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	8-1-23	9-1-23	10-1-23	11-1-23	12-1-23
1	622122167019	KABILAN S K	/	/	/	/	/
2	622122170020	KALYAN S	/	/	/	/	/
3	622122173021	KARTHICK.T	/	/	/	/	/
4	622122176022	KAVIKUIL K	/	/	/	/	/
5	622122179023	KAVIN.V	/	/	/	/	/
6	622122182024	KILLI VALAVAN V	/	/	/	/	/
7	622122185025	KRITHIGA D	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Civil Engineering

Year/ Semester: I/I

Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	8.1.23	9.1.23	10.1.23	11.1.23	12.1.23
1	622122103015	LOGESHWARAN M J	1	1	1	1	1
2	622122103016	PRASATH P	1	1	1	1	1
3	622122103017	PRAVEEN R	a	a	a	a	a

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Chemical Engineering

Year/ Semester: I/I

Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	8.1.23	9.1.23	10.1.23	11.1.23	12.1.23
1	622122201013	NITHIYA M K	/	/	/	/	/
2	622122201014	PRAMOOTHKUMAR S	/	/	/	/	/
3	622122201015	PRANOW RONALD J	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Chemical Engineering

Year/ Semester: I/I

Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	8.1.23	9.1.23	10.1.23	11.1.23	12.1.23
1	622122201013	NITHIYA M K	/	/	/	/	/
2	622122201014	PRAMOOTHKUMAR S	/	/	/	/	/
3	622122201015	PRANOW RONALD J	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept: Bio Technology
Year/ Semester: I/I
Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	8.1.23	9.1.23	10.1.23	11.1.23	12.1.23
1	622122206021	JEEVITHA M	/	/	/	/	/
2	622122206022	KANIKA A	/	/	/	/	/
3	622122206023	KANNABIRAN D	/	/	/	/	/
4	622122206024	KARMUKIL	/	/	/	/	/
5	622122206025	KARTHICK E	/	/	/	/	/
6	622122206026	KASHINI V	/	/	/	/	/
7	622122206027	KAVIN C	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Aeronautical Engineering

Year/ Semester: I/I

Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	8-1-23	9.1.23	10.1.23	11.1.23	12.1.23
1	622122101014	KANNIKA S	/	/	/	/	/
2	622122101015	KARTHICK V	/	/	/	/	/
3	622122101016	KAVINKUMAR R	/	/	/	/	/
4	622122101017	MATHAVAN S	/	/	/	/	/
5	622122101018	MATHESHWARAN S P M	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Agriculture Engineering

Year/ Semester: I/I

Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	8.1.23	9.1.23	10.1.23	11.1.23	12.1.23
1	622122205027	MOHANKUMAR V	/	/	/	/	/
2	622122205028	MOHITHA C	/	/	/	/	/
3	622122205029	MONISHA K	/	/	/	/	/
4	622122205030	MOULISHWARAN E	/	/	/	/	/
5	622122205031	MUKILAN E	/	/	/	/	/
6	622122205032	NAVEENA A	/	/	/	/	/
7	622122205033	POONGODI M	/	/	/	/	/
8	622122205034	POOVARASI V	/	/	/	/	/
9	622122205035	PRAVEENKUMAR M	/	/	/	/	/
10	622122205036	PRIYADHARSHINI V	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept: Computer Science Engineering
Year/ Semester: I/I
Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	8.1.23	9.1.23	10.1.23	11.1.23	12.1.23
1	622122104066	KALAISELVAN B	1	1	1	1	1
2	622122104067	KANISHIYA L	1	1	1	1	1
3	622122104068	KANISHKA SHREE T	1	1	1	1	1
4	622122104069	KARTHIGA P	1	1	1	1	1
5	622122104070	KARTHIK M	1	1	1	1	1
6	622122104071	KATHIRVEL K	1	1	1	1	1
7	622122104072	KAVINKUMAR S	1	1	1	1	1
8	622122104073	KAVIYA G	1	1	1	1	1
9	622122104074	KAVIYA SHREE M	1	1	1	1	1
10	622122104075	KAVIYA V	1	1	1	1	1
11	622122104076	KAVIYARASAN M	1	1	1	1	1
12	622122104077	KAVIYARASU R	1	1	1	1	1
13	622122104078	KEERTHIKA S	1	1	1	1	1
14	622122104079	KIRAN R	1	1	1	1	1
15	622122104080	KRISHNARAJ C	1	1	1	1	1
16	622122104081	LINGESWARAN M	1	1	1	1	1
17	622122104082	LOKESH S	a	a	a	a	a
18	622122104083	MAANISHA S	1	1	1	1	1
19	622122104084	MADHESH S	1	1	1	1	1
20	622122104085	MAGALAKSHMI M	1	1	1	1	1
21	622122104086	MALINI S	1	1	1	1	1
22	622122104087	MANJULADEVI P	1	1	1	1	1
23	622122104088	MANOJ KUMAR A	1	1	1	1	1
24	622122104089	MANOJ KUMAR M M	1	1	1	1	1
25	622122104090	MARUTHU E	1	1	1	1	1
26	622122104091	MARZOOK K	1	1	1	1	1
27	622122104092	MATHI M	1	1	1	1	1
28	622122104093	MEGHASURYA B	1	1	1	1	1
29	622122104094	MOHAMMED RIYAS N	1	1	1	1	1
30	622122104095	MONIKA S T	1	1	1	1	1

Course Coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: R&A

Year/ Semester: I/I

Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	08/01/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122114046	VIJAYAKUMAR R	/	/	/	/	/
2	622122114047	VIKASH M	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Mechatronics Engineering

Year/ Semester: I/I

Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	08/01/23	09/01/23	10/01/23	11/01/23	12/01/23
1	622122210023	NITHISH R	1	1	1	1	1
2	622122210024	POOVITHA S	1	1	1	1	1
3	622122210025	PRAKASH M	1	1	1	1	1
4	622122210026	PRANESH S	a	a	a	a	a
5	622122210027	PRAVEEN KUMAR P.S	1	1	1	1	1

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Mechanical Engineering

Year/ Semester: I/I

Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122107026	JEEVAAKASH S	/	/	/	/	/
2	622122107027	JEEVABHARATHI R	/	/	/	/	/
3	622122107028	JEGATHISH R	/	/	/	/	/
4	622122107029	KARTHICK S	/	/	/	/	/
5	622122107030	KRISHNA PRASATH P	/	/	/	/	/
6	622122107031	LOGAPRIYAN G	A	A	A	A	A
7	622122107032	LOGESHWARAN S	/	/	/	/	/
8	622122107033	MADHAN A	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Information Technology

Year/ Semester: I/I

Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122202078	PRITHIKA DEVI V	✓	✓	✓	✓	✓
2	622122202079	PUSHPARAJAN K	✓	✓	✓	✓	✓
3	622122202080	RAGA SHANDYA K P	✓	✓	✓	✓	✓
4	622122202081	RAHUL G	✓	✓	✓	✓	✓
5	622122202082	RAJARAJAMANIKANDAN R	✓	✓	✓	✓	✓
6	622122202083	RAJESH K	✓	✓	✓	✓	✓
7	622122202084	RAJESHKANNA D	✓	✓	✓	✓	✓
8	622122202085	RAMKUMAR K	✓	✓	✓	✓	✓
9	622122202086	RISHIKUMAR M	✓	✓	✓	✓	✓
10	622122202087	ROSHAN ZAMEER M	a	a	a	a	a
11	622122202088	SABARI G	✓	✓	✓	✓	✓
12	622122202089	SAMRAJ S	✓	✓	✓	✓	✓
13	622122202090	SANJAI KUMAR A	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Food Technology

Year/ Semester: I/I

Name of the course : **22GEVC103 INDUSTRIAL INORGANIC MATERIALS**

S.NO	REG.No	Student Name	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23
1	622122203021	MATHIYAZHAGAN M	✓	✓	✓	✓	✓
2	622122203022	MYTHILIPRIYA S	✓	✓	✓	✓	✓
3	622122203023	NANDHA KUMAR P	✓	✓	✓	✓	✓
4	622122203024	NETHAJI R	✓	✓	✓	✓	✓
5	622122203025	NIKITHA K S	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Science and Humanities

CERTIFICATE

This is to certify that

NETHAJI R

of Paavai Engineering College, studying in first year Food Technology has successfully completed the value added course **22GEVC103 INDUSTRIAL INORGANIC MATERIALS** the duration of the course is 30 hours **(08.01.2023 to 12.01.2023).**

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Science and Humanities

CERTIFICATE

This is to certify that

NITHIYA M K

of Paavai Engineering College, studying in first year Chemical Engineering has successfully completed the value added course **22GEVC103 INDUSTRIAL INORGANIC MATERIALS** the duration of the course is 30 hours (**08.01.2023 to 12.01.2023).**

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE, NAMAKAL-637018
(As Autonomous Institution - Affiliated to Anna University,Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date:27.12.2022

CIRCULAR

It is planned to conduct a Five Day Trainnig Course on **Aptitute and Reasoning** for our first year students from 08.01.2023 to 12.01.2023. Interested students can enroll their names to the course coordinator Mrs.R.Pradeepa, Associate Professor /Maths on or before 04.01.2023

Course coordinator: 1) Mrs.R.Pradeepa ASP/Maths

HOD
Department of Science & Humanities
Paavai Engineering College (Autonom
NH-44, Pachal, Namakkal-637 0..

Copy to:
1) All Students
2) Notice board

PAAVAI ENGINEERING COLLEGE, NAMAKAL-637018
(As Autonomous Institution - Affiliated to Anna University,Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date: 17.05.2023

CIRCULAR

It is planned to conduct a Five Day Trainnig Course on **Gender Studies** for our first year students from 28.05.2023 to 01.06.2023. Interested students can enroll their names to the course coordinator Mr.R.Rajeshkumar, Professor / Maths on or before 22.05.2023.

Course coordinator: 1) Mr.R.Rajeshkumar, AP/ Maths

Head of the Department
Department of Science & Humanities
Paavai Engineering College (Autonomous)
NH-44, Pachal, Namakkal-637 018

Copy to:
1) All Students
2) Notice board

PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF SCIENCE AND HUMANITIES

VALUE ADDED COURSE

22GEVC201-GENDER STUDIES

About The Course:

This course refers expose students to a substantial body of knowledge about the social construction of gender in various cultural contexts from a variety of disciplinary perspectives. Gender Studies is an interdisciplinary field that focuses on the complex interaction of gender with other identity markers such as race, ethnicity, sexuality, nation, and religion.

GENDER STUDIES

INTENDED AUDIENCE:

GENDER STUDIES

- All the first year of B.E., B.Tech Students

Date: 28-05-2023 to 01-06-2023

Venue:

1. AB204 (Lecture Hall)

2. AB205 (Lecture Hall)

3.. AB 301(Lecture Hall)

[*AB –Additional Block]

Course Coordinators :

1 . R.RajeshKumar, AP/Maths

2. N.Geetha ASP/Chemistry

3 .R.Pradeepa, AP/Maths

4. .M.E.Hariharan AP/English

Head of the Department
Department of Science & Humanities
Rajalakshmi Engineering College (Autonomous)
NH-44, Pachal, Namakkal-637 018

22GEVC201 **GENDER STUDIES**

COURSE OBJECTIVES

To enable the students to

- introduce basic concepts relating to gender and to provide logical understanding of gender roles
- trace the evolution of gender studies from women's studies
- enable them to engage in policy decisions to remove gender biases in all fields of life in the process of gender equality for nation building

UNIT I: INTRODUCTION

Sex and Gender, Types of Gender, Gender roles and Gender division of Labour, Gender stereotyping and Gender Discrimination

UNIT II: SOCIAL CONSTRUCTION OF FEMINITY

Bio-Social perspective of Gender, Gender as Attribution fact , Essentialism in the construction of feminity, Challenging cultural notions of feminity, images of women in sports, arts , entertainment and fashion industry, media and feminine identities

UNIT III: WOMEN'S STUDIES AND GENDER STUDIES

Evaluation and scope of women's studies, from women's to gender studies: A Paradigm shift, Women's studies VS Gender studies

TOTAL PERIODS 30

COURSE OUTCOMES

Students must gain knowledge on

- The concepts relating to gender and gains the logical understanding of gender roles
- Familiarize the evolution of gender studies from women's studies
- the removal of gender biases in all fields of life in the process of gender equality for nation building

TEXT BOOKS

1. Cornell R W (1995) Gender. Cambridge, Polity Press.
2. Gatens M (1991) A Critique of the Sex/Gender Distinction in S. Gunew (ed.) A Reader in Feminist Knowledge. London: Routledge.

REFERENCES

1. Andrea N (1989), Feminist Theory and Philosophies of Men. New York: Routledge.
2. Arora P (2011), Gender and Power. Delhi: Pacific Publication.

Department of Science & Humanities
Paavai Engineering College (Autonomous)
NH-44, Pachal, Namakkal-637 018

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: cyber

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122111060	KISHORE M					
2	622122111061	KISHORE S					
3	622122111062	KODAVALI DAVID RAJ					
4	622122111063	KORIMELLA ARAVIND					
5	622122111064	KORRAPATI TEJA SWAROOP					
6	622122111065	KOTU ASHOK KUMAR					
7	622122111066	KUDUMALA NAVEEN KUMAR					
8	622122111067	LETHISH KUMAR T					
9	622122111068	LOKESH G					
10	622122111069	LOKESH S					
11	622122111070	MADHAN K					
12	622122111071	MAHESWARAN A					
13	622122111072	MANIKANDAN A					
14	622122111073	MANOJ KUMAR S					
15	622122111074	MOHAMED AADHIL A					
16	622122111075	MOHAMED IBRAHIM H					
17	622122111076	MOHAN M					
18	622122111077	MONASH G					
19	622122111078	MYNAM RAJA SEKHAR					
20	622122111079	NANDHAKUMAR K					
21	622122111080	NANTHEES O R					
22	622122111081	NAVEENKUMAR S					
23	622122111082	PARTHASARATHY S					
24	622122111083	PITTALA VASU					
25	622122111084	PONNARASU M					

Course coordinator

R. RAJESHKUMAR

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: cyber

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122111060	KISHORE M	1	1	1	1	1
2	622122111061	KISHORE S	1	1	1	1	1
3	622122111062	KODAVALI DAVID RAJ	1	1	1	1	1
4	622122111063	KORIMELLA ARAVIND	1	1	1	1	1
5	622122111064	KORRAPATI TEJA SWAROOP	1	1	1	1	1
6	622122111065	KOTU ASHOK KUMAR	1	1	1	1	1
7	622122111066	KUDUMALA NAVEEN KUMAR	1	1	1	1	1
8	622122111067	LETHISH KUMAR T	1	1	1	1	1
9	622122111068	LOKESH G	1	1	1	1	1
10	622122111069	LOKESH S	1	1	1	1	1
11	622122111070	MADHAN K	1	1	1	1	1
12	622122111071	MAHESWARAN A	1	1	1	1	1
13	622122111072	MANIKANDAN A	1	1	1	1	1
14	622122111073	MANOJ KUMAR S	1	1	1	1	1
15	622122111074	MOHAMED AADHIL A	1	1	1	1	1
16	622122111075	MOHAMED IBRAHIM H	1	1	1	1	1
17	622122111076	MOHAN M	1	1	1	1	1
18	622122111077	MONASH G	1	1	1	1	1
19	622122111078	MYNAM RAJA SEKHAR	1	1	1	1	1
20	622122111079	NANDHAKUMAR K	1	1	1	1	1
21	622122111080	NANTHEES O R	1	1	1	1	1
22	622122111081	NAVEENKUMAR S	1	1	1	1	1
23	622122111082	PARTHASARATHY S	1	1	1	1	1
24	622122111083	PITTALA VASU	1	1	1	1	1
25	622122111084	PONNARASU M	1	1	1	1	1

Course coordinator

R. RAJESHKUMAR

HOD

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: CSE(Internet Of Things)

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122188026	LAKSHMANAN S	1	1	1	1	1
2	622122191027	MANOJ G	1	1	1	1	1
3	622122194028	MEHALA J	1	1	1	1	1
4	622122197029	MOHAMED SAHUL HAMEED RIZWAN B	1	1	1	1	1
5	622122200030	MOHAMMED HUSSAIN Y	a	a	a	a	a
6	622122203031	MURUGANANTHAM B	1	1	1	1	1
7	622122206032	MURUGANANTHAM S	1	1	1	1	1

Course coordinator

R. RAGESHWARAN

HOD

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: CSE(Internet Of Things)

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	26.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122188026	LAKSHMANAN S	1	1	1	1	1
2	622122191027	MANOJ G	1	1	1	1	1
3	622122194028	MEHALA J	1	1	1	1	1
4	622122197029	MOHAMED SAHUL HAMEED RIZWAN B	1	1	1	1	1
5	622122200030	MOHAMMED HUSSAIN Y	a	a	a	a	a
6	622122203031	MURUGANANTHAM B	1	1	1	1	1
7	622122206032	MURUGANANTHAM S	1	1	1	1	1

Course coordinator

R. RAGESHWARAN

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: CSE(Artificial Inteligent And Machine Learning)

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122112028	LALITHAMBIGAI S	1	1	1	1	1
2	622122112029	LAVANYA V	1	1	1	1	1
3	622122112030	LIBIN RAJAN A	1	1	1	1	1
4	622122112031	LOGA CHANDRAN N	1	1	1	1	1
5	622122112032	LOGESH K	1	1	1	1	1
6	622122112033	MANISHA K	1	1	1	1	1
7	622122112034	MARK ANTONY M	1	1	1	1	1

Course coordinator

R. RAJESH

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept: Computer Science Engineering
Year/ Semester: I/II
Name of the course : 22GEVC201 GENDER STUDIES

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122104096	MURUGESAN R					
2	622122104097	MYTHILI N					
3	622122104098	NAINTHIGA T					
4	622122104099	NANDHAAKASH M					
5	622122104100	NANDHINI DEVI ESTHER T					
6	622122104101	NANDHINI PRIYA P					
7	622122104102	NAVARUTHRAN R A					
8	622122104103	NAVEEN S					
9	622122104104	NAVEENA P					
10	622122104105	NAVEENKUMAR T					
11	622122104106	NAVEETHA P					
12	622122104107	NILESH S					
13	622122104108	NIRANJAN S					
14	622122104109	NITHISH KUMAR P					
15	622122104110	NITHISH S					
16	622122104111	PAARTHIV U					
17	622122104112	PADMA SREE B					
18	622122104113	PAVITHRA K					
19	622122104114	PAVITHIRAN J					
20	622122104115	POLAVARAPU VENKATA GANESH					
21	622122104116	PRAGADEESH R K					
22	622122104117	PRAVIN V					
23	622122104118	PREETHI R					
24	622122104119	PRIYADHARSHINI E					
25	622122104120	PRIYADHARSINI M					
26	622122104121	PRIYADHARSHINI P					
27	622122104122	RAGINISAMUTHA G					
28	622122104123	RAJBHARATH R					
29	622122104124	RAJESH N					
30	622122104125	RAMU P					
31	622122104126	RANJITHKUMAR G					
32	622122104127	RAYYAN BAKKER M A					
33	622122104128	RISHIKA K					
34	622122104129	ROSHIKA V					
35	622122104130	SABARINATHAN V					

Course coordinator
R. Rajesh Kumar

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Information Technology

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.5.23	29.5.23	23.5.23	31.5.23	01.6.23
1	622122202091	SANJAY M	/	/	/	/	/
2	622122202092	SANJAYKUMAR J	/	/	/	/	/
3	622122202093	SANJITH M S	/	/	/	/	/
4	622122202094	SANTHOSH R	/	/	/	/	/
5	622122202095	SANTHOSH S	/	/	/	/	/
6	622122202096	SARAN S	/	/	/	/	/
7	622122202097	SARAVANAN S			/	/	/
8	622122202098	SASIKUMAR S	/	/	/	/	/
9	622122202099	SATHYA V	/	/	/	/	/
10	622122202100	SELLAPILLAI C	/	/	/	/	/

Course Coordinator

R. Rajesh Kumar

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Civil Engineering

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	7.6.23
1	622122103018	RAHUL ROHITH G S	1	1	1	1	1
2	622122103019	RAMAN M	1	1	1	1	1

Course coordinator

R. RAJESWARI

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Chemical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28-5-23	29-5-23	30-5-23	31-5-23	1-6-23
1	622122201016	PRAVEEN K	1	1	1	1	1
2	622122201017	RAJARAM S	1	1	1	1	1

Course coordinator

R. RAJESHKANNA

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Chemical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	08.05.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122201016	PRAVEEN K	1	1	1	1	1
2	622122201017	RAJARAM S	1	1	1	1	1

Course coordinator

R. Rajaram

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Bio Technology

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.05.23	29.05.23	30.05.23	31.05.23	01.06.23
1	622122206028	KAVIYA R	1	1	1	1	1
2	622122206029	KAVIYASRI B	1	1	1	1	1
3	622122206030	KEERTHANA R	1	1	1	1	1
4	622122206031	KIRUBA P	1	1	1	1	1
5	622122206032	KIRUTHIKA M	1	1	1	1	1

Course coordinator

R. Rajesh

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Bio Medical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.05.23	29.05.23	30.05.23	31.05.23	1.06.23
1	622122109029	KAVIMUGIL S	1	1	1	1	1
2	622122109030	KAVIYA G	1	1	1	1	1
3	622122109031	KIRUTHICK BALA M	1	1	1	1	1
4	622122109032	KISSOKAR R	1	1	1	1	1
5	622122109033	LIYAANA JEBIN	1	1	1	1	1
6	622122109034	MAHENDHRAN B	a	a	a	a	a
7	622122109035	MEJO JOHN	1	1	1	1	1

Course coordinator

R-RAJSEKARAN

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Aeronautical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.05.23	29.05.23	30.05.23	31.05.23	1.06.23
1	622122101019	NABEEN BASHA N	1	1	1	1	1
2	622122101020	NAMACHIVAYAM S	1	1	1	1	1
3	622122101021	NAVEENKUMAR M	1	1	1	1	1
4	622122101022	PARTHIBAN P	1	1	1	1	1

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Aeronautical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.05.23	29.05.23	30.05.23	31.05.23	1.06.23
1	622122101019	NABEEN BASHA N	✓	✓	✓	✓	✓
2	622122101020	NAMACHIVAYAM S	✓	✓	✓	✓	✓
3	622122101021	NAVEENKUMAR M	✓	✓	✓	✓	✓
4	622122101022	PARTHIBAN P	✓	✓	✓	✓	✓

Course coordinator

R. RAJESWARI

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Agriculture Engineering

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.05.23	29.05.23	30.05.23	31.05.23	1.06.23
1	622122205037	PURUSHOTHAMAN A	1	1	1	1	1
2	622122205038	RASHMIKA R S	1	1	1	1	1
3	622122205039	ROHITH R	1	1	1	1	1
4	622122205040	SACHIN S	1	1	1	1	1
5	622122205041	SAMANTHANA P M	1	1	1	1	1

Course coordinator

R. RAGESWARAN

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Mechanical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.05.23	29.05.23	30.05.23	31.05.23	1.06.23
1	622122107034	MADHINESH	✓	✓	✓	✓	✓
2	622122107035	MANEES B	✓	✓	✓	✓	✓
3	622122107036	MANOJ L	✓	✓	✓	✓	✓

Course coordinator

R. RAGESHKUMAR

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Electronics and Communication Engineering

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122105084	MANIKANDAN R	1	1	1	1	1
2	622122105085	MANORANJITHA V	1	1	1	1	1
3	622122105086	MANTHIRAMOORTHY A	1	1	1	1	1
4	622122105087	MATHAN S	1	1	1	1	1
5	622122105088	MATHAVAN M	1	1	1	1	1
6	622122105089	MEERA K	1	1	1	1	1
7	622122105090	MOHAMMED ABDUL JALEEL J	1	1	1	1	1
8	622122105091	MOHAN R	1	1	1	1	1
9	622122105092	MOHAN S	1	1	1	1	1
10	622122105093	MONISH D	1	1	1	1	1
11	622122105094	MOUNISH D	1	1	1	1	1
12	622122105095	MOULIKA V G	1	1	1	1	1
13	622122105096	MOUNIKA P	1	1	1	1	1
14	622122105097	MUGILA ANBARASI A	1	1	1	1	1
15	622122105098	MUKESH PANDIAN A	1	1	1	1	1
16	622122105099	NANDHAKISHORE K S	1	1	1	1	1
17	622122105100	NIRAIMATHI K	1	1	1	1	1
18	622122105101	NISHANTH K	a	a	a	a	a
19	622122105102	NITHEESH K M	1	1	1	1	1
20	622122105103	NITHISHKUMAR P	1	1	1	1	1
21	622122105104	NITHYA SHRRI G	1	1	1	1	1
22	622122105105	PADMAPRIYA B	1	1	1	1	1
23	622122105106	PARAMESHWARI P	1	1	1	1	1
24	622122105107	PAVALARANI N	1	1	1	1	1
25	622122105108	PERUMAL S	1	1	1	1	1

Course cordinator

R. RAJESHKUMAR

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: R&A

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5023	1.06.23
1	622122114048	VINOTHINI A	/	/	/	/	/

Course coordinator

R. RAJESHWARI

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:PHARMA

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.05.23	24.05.23	30.5.23	31.5.23	01.6.23
1	622122204017	LEKHA SHREE A U	/	/	/	/	/
2	622122204018	LOGESHWARAN K	/	/	/	/	/
3	622122204019	MAHESHWARAN D	/	/	/	/	/

Course coordinator

R. RAJESAN

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Food Technology

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122203026	POORNIMA S	1	1	1	1	1
2	622122203027	PRAKASH S	1	1	1	1	1
3	622122203028	PRASANTH A C	1	1	1	1	1

Course coordinator

R. RAJESHkumar

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Electrical and Electronics Engineering

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.5.23	29.05.23	30.05.23	31.5.23	1.6.23
1	622122106028	LOKESH M	✓	✓	✓	✓	✓
2	622122106029	MADHAVAN G	✓	✓	✓	✓	✓
3	622122106030	MADHUMIDHA R	✓	✓	✓	✓	✓
4	622122106031	MADHUMITHA S	✓	✓	✓	✓	✓
5	622122106032	MONISHA J	✓	✓	✓	✓	✓

Course Coordinator

R. RAJESWARI

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Mechatronics Engineering

Year/ Semester: I/II

Name of the course : **22GEVC201 GENDER STUDIES**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122210028	PREM KUMAR M	1	1	1	1	1
2	622122210029	PUGAZHENTHI M	1	1	1	1	1
3	622122210030	RAGAVENDRAN S	1	1	1	1	1

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Science and Humanities

CERTIFICATE

This is to certify that

VINOTHINI A

Of Paavai Engineering College, studying in first year Robotics and Automation Engineering has successfully completed the value added course **22GEVC201 GENDER STUDIES** duration of the course is 30 hours

(28.05.2023 to 01.06.023).

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Science and Humanities

CERTIFICATE

This is to certify that

KAVIYA R

Of Paavai Engineering College, studying in first year Biotechnology has successfully completed the value added course **22GEVC201 GENDER STUDIES** duration of the course is 30 hours

(28.05.2023 to 01.06.023).

Course Coordinator | HOD | Principal

PAAVAI ENGINEERING COLLEGE, NAMAKAL-637018
(As Autonomous Institution - Affiliated to Anna University,Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date: 17.05.2023

CIRCULAR

It is planned to conduct a Five Day Trainnig Course on **Physics In Everyday life** for our first year students from 28.05.2023 to 01.06.2023. Interested students can enroll their names to the course coordinator Dr.T.Krishnakumar, Professor / Physics on or before 22.05.2023.

Course coordinator: 1) Dr.T.Krishnakumar, AP/ Physics

Head of the Department
Department of Science & Humanities
Paavai Engineering College (Autono...
NH-44, Pachal, Namakkal 637 018

Copy to:
1) All Students
2) Notice board

PAAVAI ENGINEERING COLLEGE

(Autonomous)

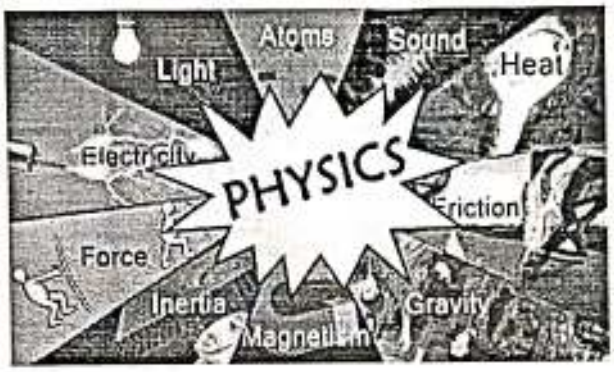
DEPARTMENT OF SCIENCE AND HUMANITIES

VALUE ADDED COURSE

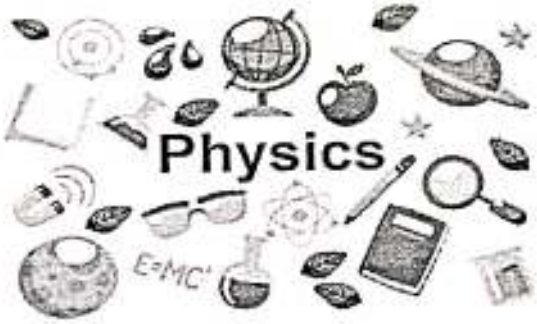
22GEVC202-PHYSICS IN EVERYDAY LIFE

About The Course:

This course refers to spark interest in the eyes of students, to have students question and analyze the world around them. Physics is a field of study that examines matter, including its composition, nature, and properties, the laws of motion, the law of attraction, friction, potential energy, kinetic energy, gravitational force, and other ideas.



INTENDED AUDIENCE:



- All the first year of B.E., B.Tech Students

Date: **28-05-2023 to 01-06-2023**

Venue:

1. T403 (Drawing Hall)

2. AB006 (Lecture Hall)

3. AB007 (Lecture Hall)

[*T –Temple Tower, , AB –Additional Block]

Course Coordinators:

1 . Dr.T.Krishnakumar Professor/Physics

2. S.Kavitha ASP/Physics

3 . Dr.T.Prakash AP/Physics

Head of the Department
Department of Science & Humanities
Paavai Engineering College (Autonomous)
NH-44, Pachal, Namakkal-637 018

22GEVC202 **PHYSICS IN EVERYDAY LIFE**

COURSE OBJECTIVES

To enable the students to

- learn about the states of matter
- introduce various heat transfer and measurement
- acquire knowledge on sound produce in buildings
- know optical instruments for day to day applications.

MODULE 1 **PROPERTIES OF MATTER** **8**

Three states of matter - binding forces - fluid pressure and thrust - applications - Pascal's law - Archimedes principle - capillary action - Bernoulli's principle - Viscosity

MODULE 2 **HEAT** **8**

Measurement of heat and temperature - clinical thermometer - heat transfer - Thermo flask - change of state - effect of the pressure of boiling point and melting point - heat engines - steam engine and diesel engine

MODULE 3 **SOUND** **6**

Sound and music - reverberation - the acoustics of building - recording and reproduction of sound in film.

MODULE 4 **OPTICS** **8**

Light - optical instruments - camera - telescope - microscope - projector - Sensor-Types of sensor-Oxygen ,Humidity, Rain sensor - vehicle Parking , Reverse speed sensor - Optical Scanner -Types of scanner -Drum Scanner,3D scanner, smartphone scanner.

TOTAL PERIODS: 30

COURSE OUTCOMES

At the end of the course, the students will be able to

- learn about the properties of matter and its real time applications.
- know the various thermometer and its measurements.
- illustrate basic idea about production of sound.
- apply the knowledge on various optical instrument

REFERENCE BOOKS

1. R. Murugeshan, & Sivaprasath Kiruthiga 'Modern Physics'S. Chand & Co, New Delhi (2017).
2. D.S. Mathur, Elements of properties of matter and acoustics, S. Chand & Company Ltd., New Delhi(2010)
3. Brijal&Dr.N. Subramanyan and P.S. Hemne, Heat and Thermodynamics, S. Chand & Co, New Delhi, (2018).
4. 'Brooker Graham' introduction to sensors for ranging and imaging. TBH publishers(2012).

Engineering College (Autonomous)

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Aeronautical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	01.6.23
1	622122101023	RAJESHWARI T	/	/	/	/	/
2	622122101024	SATHIYAMOORTHI R	/	/	/	/	/
3	622122101025	SHIRPY P	/	/	/	/	/
4	622122101026	SUHAIB AHMED F	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Bio Medical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	01.6.23
1	622122109036	MUNI AKASH S	/	/	/	/	/
2	622122109037	NEERAJ V.M	/	/	/	/	/
3	622122109038	NITHIYA PRIYA M	/	/	/	/	/
4	622122109039	NIVETHA R	/	/	/	/	/
5	622122109040	PERAZHAGAN S	/	/	/	/	/
6	622122109041	PRITHIKA K	/	/	/	/	/
7	622122109042	RAHUL G	/	/	/	/	/
8	622122109043	RAJASEKAR R	/	/	/	/	/
9	622122109044	RAMAN S	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: S&f

Year/ Semester: I/II

Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122115003	ASHWIN R	/	/	/	/	/
2	622122115004	DENIS AUSTEEN T	/	/	/	/	/
3	622122115005	GOWTHAM G	/	/	/	/	/
4	622122115006	HARIHARAN G	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:PHARMA

Year/ Semester: I/II

Name of the course :**22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	01.06.23
1	622122204020	NAREN A	/	/	/	/	/
2	622122204021	NAVEENKUMAR V	/	/	/	/	/
3	622122204022	NECHIKA R	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept: Mechanical Engineering
Year/ Semester: I/II
Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.05.23	1.06.23
1	622122107037	MOHAMED ASHIK ALI M	/	/	/	/	/
2	622122107038	MOHAMED YEHIYA S	/	/	/	/	/
3	622122107039	MOHAN R	/	/	/	/	/
4	622122107040	MOHANRAJ K	/	/	/	/	/
5	622122107041	NAVEEN KUMAR J	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Mechatronics Engineering

Year/ Semester: I/II

Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	28.05.23	29.05.23	30.05.23	31.05.23	1.06.23
1	622122210031	RAGUL K	✓	✓	✓	✓	✓
2	622122210032	RAMAKRISHNAN S	✓	✓	✓	✓	✓
3	622122210033	RONIE DESOUZA D	✓	✓	✓	✓	✓
4	622122210034	RUBA SRITHAR P.J	✓	✓	✓	✓	✓
5	622122210035	SAKTHIVEL V	✓	✓	✓	✓	✓
6	622122210036	SEDHU D	✓	✓	✓	✓	✓
7	622122210037	SHYAMPRASAD P	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Information Technology

Year/ Semester: I/II

Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	08.05.23	09.05.23	30.5.23	31.05.23	01.06.23
1	622122202101	SESHANADIKESHAN S	/	/	/	/	/
2	622122202102	SHAHUL HAMEED A	/	/	/	/	/
3	622122202103	SHALINI A	/	/	/	/	/
4	622122202104	SIBI P	/	/	/	/	/
5	622122202105	SIVADOSS R	/	/	/	/	/
6	622122202106	SOWMIYA B	/	/	/	/	/
7	622122202107	SOWMIYALAKSHMI S	/	/	/	/	/
8	622122202108	SRIJOTHILINGAM E	/	/	/	/	/
9	622122202109	SRIKANTH M	/	/	/	/	/
10	622122202110	SRIRAM R	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Food Technology

Year/ Semester: I/II

Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	28.5.23	29.05.23	30.5.23	31.05.23	01.06.23
1	622122203029	RAMANA R	/	/	/	/	/
2	622122203030	RASHIKA S	/	/	/	/	/
3	622122203031	RESHMA S	/	/	/	/	/
4	622122203032	SANDEEP G	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Electrical and Electronics Engineering

Year/ Semester: I/II

Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	28.05.23	29.05.23	30.05.23	31.05.23	01.06.23
1	622122106033	MONISHA V	/	/	/	/	/
2	622122106034	MURALIMANOKARAN V	/	/	/	/	/
3	622122106035	NANCY D	/	/	/	/	/
4	622122106036	NISHANTHINI S	/	/	/	/	/
5	622122106037	NITHISHKUMAR V	/	/	/	/	/
6	622122106038	NIVETHA R	/	/	/	/	/
7	622122106039	PADMASARAN M.S	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Civil Engineering

Year/ Semester: I/II

Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	08.5.23	09.5.23	30.5.23	31.5.23	01.6.23
1	622122103020	RANJITHA R	/	/	/	/	/
2	622122103021	SHARMA J M	/	/	/	/	/
3	622122103022	SUGUMAR R	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept: Computer Science Engineering
Year/ Semester: I/II
Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122104131	SABARISHBALA B	/	/	/	/	/
2	622122104132	SAKTHI MAHESWARI S	/	/	/	/	/
3	622122104133	SAMUEL STEPHEN RAJ B H	/	/	/	/	/
4	622122104134	SANJAI R	/	/	/	/	/
5	622122104135	SANJAI S	/	/	/	/	/
6	622122104136	SANJAY G	/	/	/	/	/
7	622122104137	SANJAY K C	/	/	/	/	/
8	622122104138	SANJAY S	/	/	/	/	/
9	622122104139	SENTHAMIZH SELVAN T	/	/	/	/	/
10	622122104140	SHAJITH M	/	/	/	/	/
11	622122104141	SHALINI S	/	/	/	/	/
12	622122104142	SHAMITHA M	/	/	/	/	/
13	622122104143	SINDHUJA M	/	/	/	/	/
14	622122104144	SIVARANJANI D	/	/	/	/	/
15	622122104145	SONADHARSHINI S K	/	/	/	/	/
16	622122104146	SOWMIYA V	/	/	/	/	/
17	622122104147	SREEMATHI G	/	/	/	/	/
18	622122104148	SRI HARINI G	/	/	/	/	/
19	622122104149	SRI VARSHINI V M	/	/	/	/	/
20	622122104150	SRI BALA R	/	/	/	/	/
21	622122104151	SRINATH S	/	/	/	/	/
22	622122104152	SRIRAM R	/	/	/	/	/
23	622122104153	SRIRAM R	/	/	/	/	/
24	622122104154	STANLY SEBASTEN T	/	/	/	/	/
25	622122104155	SUJITHA G	/	/	/	/	/
26	622122104156	SURENDHAR C	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: CSE(Artificial Inteligent And Machine Learning)

Year/ Semester: I/II

Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	26.5.23	29.5.23	30.5.23	31.5.23	01.6.23
1	622122112035	MOHAMMED ARSHAD A	/	/	/	/	/
2	622122112036	MUGESHWARAN N	/	/	/	/	/
3	622122112037	MUHAMMAD AJNAS	/	/	/	/	/
4	622122112038	MUHAMMED ANSIL	/	/	/	/	/
5	622122112039	MUHMMAD MIDLAJ N A	/	/	/	/	/
6	622122112040	MUHAMMED RINSHAD	/	/	/	/	/
7	622122112041	MUKESH P S	/	/	/	/	/
8	622122112042	MUKESH S	a	a	a	a	a
9	622122112043	MUTHYALA DATTU	/	/	/	/	/
10	622122112044	NANDHINI R	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Bio Technology

Year/ Semester: I/II

Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	01.6.23
1	622122206033	MAHIMA S	/	/	/	/	/
2	622122206034	MANOJKUMAR S	/	/	/	/	/
3	622122206035	MONISHA E	/	/	/	/	/
4	622122206036	MOULISHWARAN K	/	/	/	/	/
5	622122206037	NAVEEN RAJ V	/	/	/	/	/
6	622122206038	NIKHITHA C S	/	/	/	/	/
7	622122206039	POOJA G	/	/	/	/	/
8	622122206040	PUVIYARASAN N	/	/	/	/	/
9	622122206041	RANJINI T	/	/	/	/	/

Course coordinator

HOD

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: CSE(Internet Of Things)

Year/ Semester: I/II

Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	28.5.22	29.5.22	30.5.22	31.5.22	1.6.22
1	622122209033	NALLUSAMY V	/	/	/	/	/
2	622122212034	NARESH ARAVINDHAN N	/	/	/	/	/
3	622122215035	NAVEEN S	/	/	/	/	/
4	622122218036	NEAHA SHREE M.J	/	/	/	/	/
5	622122221037	NIVETHA P	/	/	/	/	/
6	622122224038	PRAKESH KUMAR G	/	/	/	/	/
7	622122227039	RASITHA S	/	/	/	/	/
8	622122230040	RAVIKUMAR P	/	/	/	/	/
9	622122233041	RITHIKA S	/	/	/	/	/
10	622122236042	SABARINATHAN R	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept: cyber
Year/ Semester: I/II
Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	28.5.22	29.5.22	30.5.22	31.5.22	1.6.22
1	622122111085	POOJA A M	/	/	/	/	/
2	622122111086	PRAVEEN M	/	/	/	/	/
3	622122111087	PRITHIKA R	/	/	/	/	/
4	622122111088	RAGUL R	/	/	/	/	/
5	622122111089	RAMANA B	/	/	/	/	/
6	622122111090	ROHITH P	/	/	/	/	/
7	622122111091	SAJITH S	/	/	/	/	/
8	622122111092	SAKTHIVEL S	/	/	/	/	/
9	622122111093	SAMUEL R	/	/	/	/	/
10	622122111094	SANJAY K	/	/	/	/	/
11	622122111095	SANJEETH KUMAR S N	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Electronics and Communication Engineering

Year/ Semester: I/II

Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	22.05.23	24.5.23	30.5.23	31.5.23	1.6.23
1	622122105109	PRAJAY M S	/	/	/	/	/
2	622122105110	PRAVEENKUMAR P	/	/	/	/	/
3	622122105111	PRAVEENKUMAR S	/	/	/	/	/
4	622122105112	PRUTHIVIRAAJA K	/	/	/	/	/
5	622122105113	RAJA M	/	/	/	/	/
6	622122105114	RAMAKRISHNAN R	/	/	/	/	/
7	622122105115	RAMESH C	/	/	/	/	/
8	622122105116	RANJITH K	/	/	/	/	/
9	622122105117	RAVIVARMA R	/	/	/	/	/
10	622122105118	RESHIKA NANDHINI M P	/	/	/	/	/
11	622122105119	RISHI S	/	/	/	/	/
12	622122105120	RITHIFA S	/	/	/	/	/
13	622122105121	RUBASHRI M	/	/	/	/	/
14	622122105122	SAFRIN SAFANA T	/	/	/	/	/
15	622122105123	SAKTHI S	/	/	/	/	/
16	622122105124	SALEEM ULLA KHAN S	/	/	/	/	/
17	622122105125	SAMRAJ S	a	a	a	a	a
18	622122105126	SANDHIYA E	/	/	/	/	/
19	622122105127	SANDHIYA S	/	/	/	/	/
20	622122105128	SANGAMITHRA M	/	/	/	/	/

Course Coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Agriculture Engineering

Year/ Semester: I/II

Name of the course : **22GEVC202 PHYSICS IN EVERYDAY LIFE**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	01.6.23
1	622122205042	SANJAYKUMAR R	/	/	/	/	/
2	622122205043	SANTHOSHKUMAR R	/	/	/	/	/
3	622122205044	SHARUMATHI M	/	/	/	/	/
4	622122205045	SIVANANTH C	/	/	/	/	/
5	622122205046	SIVARAMAN P	/	/	/	/	/
6	622122205047	SONIYA V	/	/	/	/	/
7	622122205048	SUBHASHINI S M	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Science and Humanities

CERTIFICATE

This is to certify that

RISHI S

Of Paavai Engineering College, studying in first year Electronics and Communication Engineering has successfully completed the value added course **22GEVC202 PHYSICS IN EVERYDAY LIFE** duration of the course is 30 hours. **(28.05.2023 to 01.06.023).**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Science and Humanities

CERTIFICATE

This is to certify that

SONIYA V

Of Paavai Engineering College, studying in first year Agriculture Engineering has successfully completed the value added course **22GEVC202 PHYSICS IN EVERYDAY LIFE** duration of the course is 30 hours . **(28.05.2023 to 01.06.023).**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE, NAMAKAL-637018
(As Autonomous Institution - Affiliated to Anna University,Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date: 17.05.2023

CIRCULAR

It is planned to conduct a Five Day Trainnig Course on **Women in Society** for our first year students from 28.05.2023 to 01.06.2023. Interested students can enroll their names to the course coordinator Mr.R.Radhakrihanan, Assitant Professor / English on or before 22.05.2023.

Course coordinator: 1) Mr. R.Radhakrihanan, AP/ English.

Head of Department
Department of Science & Humanities
Paavai Engineering College (Autor
NH-44, Pachal, Namakkal-637 01

Copy to:
1) All Students
2) Notice board

PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF SCIENCE AND HUMANITIES

VALUE ADDED COURSE

22GEVC203- WOMEN IN SOCIETY

About The Course:

This course refers to provide the students with a comprehensive understanding of women's development with its theories and models and to equip them with an understanding of the various developmental programmes and polices of the Government for women in India. Women have been an integral part of India's culture and society since ancient times. However, the status of women in India has been a topic of debate and concern for many years. Despite the progress made in recent years, there are still many challenges that women in India face today

INTENDED AUDIENCE:

- All the first year of B.E., B.Tech Students

28-05-2023 to 01-06-2023

Venue:

1. T218(Drawing Hall)

2. M206 (Drawing Hall)

3. AB104 (Lecture Hall)

[*T –Temple Tower, M – Main Block , AB –Additional Block]

Course Coordinators :

1 .Radhakrishanan AP/English

2 DRr.N.Hariprakash AP/Physics

3 .Dr.N.Saravanan AP/Physics

4 .R.Pradeepa, AP/Maths

5. R.Gayathri , AP/Chemistry

Head of the Department
Department of Science & Humanities
Paavai Engineering College (Autonomous)
NH-44, Pachal, Namakkal-637 018

22GEVC203 **WOMEN IN SOCIETY**

COURSE OBJECTIVES

To enable the students to

- understand an overview of the movement of women in india
- removal of discrimination on the grounds of sex, religion, caste, class etc. and promotion of equality to all.
- provide special focus on violence against women

Module I IIISTORY OF WOMEN'S MOVEMENT IN INDIA **10**

Women's movements in India .Pre-independence movements, women's participation in the national movement, Post-independence and current movements in India. Dalit Women movement .Women Movement against Poverty and Violence (MAPOVT) .Tamilnadu Women's Forum (TNWF) –Women's role in Dravidian movement in Tamilnadu .Recent trends in Women's Movement.

Module II SOCIAL CHANGE AND SOCIAL LEGISLATIONS IN INDIA **10**

Social Change: Concept, Definition, Characteristics, Process, Theories, Factors Agents of Social Change- Law Education Industrialization Urbanization Westernization. Social change in India – Economic changes - Planned Economic development. Cultural changes

Social Legislation: Meaning, objectives of Social Legislation, Need of Social Legislation, Social Legislation as an instrument of Social Change.

Module III WOMEN'S EDUCATION IN INDIA **10**

Women's education: Objectives, Significance and Scope of education for girls and women Historical perspective of Women's Education in India Early, Colonial and Modern Periods. Approaches to Women's Education -Education for achieving quality of life, equality of opportunities, and equity; Women's education-gender bias in enrolment-Curriculum content-Dropouts negative capability in education-Values in education-Vocational education recent Trends in Women's education.

TOTAL: 30 PERIODS

COURSE OUTCOMES

After completing the course, the student will be able to,

- aware of progressive democratic movements in social, political and economic in india
- analyze social behaviour and determine the effects on society and Integrate knowledge of social concepts.
- improve the women potential to contribute to the economic development of their countries.

REFERENCES

1. Basu, Aparna."The Role of Women in the Indian Struggle for Freedom". Indian Women: From Purdah to Modernity". Nehru Memorial Museum and Library and Vikas/ Radiant Pub, New Delhi, 2012
2. Ahuja Ram, Society in Indian: Concept, Theories and Recent Trends, Jaipur: Rawat Publication, 2016.
3. N. Jayapalan, Indian Society And Social Institutions (Vol. 1), Chennai, Atlantic: 2018.
4. Rajendra K. Sharma, Indian Society, Institutions and Change, Chennai, Atlantic Publishers: 2014.
5. Agrawal, S.P Women"s Education in India, Guwahati, Eastern Book House.2018

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Cyber Security

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	SENTHAMARAI KANNAN S	28/5/23	29/5/23	30/5/23	31/5/23	01/6/23
1	622122111096	SETHU RAJA R	✓	✓	✓	✓	✓
2	622122111097	SHALINI N	✓	✓	✓	✓	✓
3	622122111098	SHEETHAL J	✓	✓	✓	✓	✓
4	622122111099	SIDDHARTHAN N	✓	✓	✓	✓	✓
5	622122111100	SUDHARSAN K	✓	✓	✓	✓	✓
6	622122111101	SUDHARSAN S	✓	✓	✓	✓	✓
7	622122111102	SUGANTHAN T	✓	✓	✓	✓	✓
8	622122111103	SUMAN K	✓	✓	✓	✓	✓
9	622122111104	SUNIL S	✓	✓	✓	✓	✓
10	622122111105	SURYAGANDHAN S V	✓	✓	✓	✓	✓
11	622122111106	SWATHY S	✓	✓	✓	✓	✓
12	622122111107	TAMILARASAN S	✓	✓	✓	✓	✓
13	622122111108	THARUNKUMAR M	✓	✓	✓	✓	✓
14	622122111109	THIPPIREEDY RAJASEKHAR REDDY	✓	✓	✓	✓	✓
15	622122111110	THIRUMOORTHI C	✓	✓	✓	✓	✓
16	622122111111	UVARAJKUMAR S	✓	✓	✓	✓	✓
17	622122111112	VAISHAK S	a	a	a	a	a
18	622122111113	VANAMA JASWANTH RAO	✓	✓	✓	✓	✓
19	622122111114	VASANTHAN J				✓	✓
20	622122111115	VENNAPUSA SUDHARANI	✓	✓	✓	✓	✓
21	622122111116	VIGNESH REDDY S	✓	✓	✓	✓	✓
22	622122111117	SANJEETH KUMAR S N	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Civil Engineering

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	28/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	622122103023	THENMOZHI V	/	/	/	/	/
2	622122103024	VAISHNAVI N	/	/	/	/	/
3	622122103025	VIJAYA S	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Computer Science Engineering

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	28/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	622122104157	SURYA R	/	/	/	/	/
2	622122104158	G SUWATHINI SREE	/	/	/	/	/
3	622122104159	SWATHI S	/	/	/	/	/
4	622122104160	SWETHA R	/	/	/	/	/
5	622122104161	TAMILAN P	/	/	/	/	/
6	622122104162	TAMIZHKUMARAN D	/	/	/	/	/
7	622122104163	THARANIRAJAN P	/	/	/	/	/
8	622122104164	THAYANITHIMARAN V	/	/	/	/	/
9	622122104165	THILAGAN S	/	/	/	/	/
10	622122104166	THILOTH S	/	/	/	/	/
11	622122104167	THIRUMURUGAN V	/	/	/	/	/
12	622122104168	THOTA VEERA PRASAD	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: CSE(Artificial Inteligent And Machine Learning)

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	28/5/23	29/5/23	30/5/23	31/5/23	01/6/23
1	622122112045	NIBIN CHANDRAN R	✓	✓	✓	✓	✓
2	622122112046	NIRMALA P	✓	✓	✓	✓	✓
3	622122112047	NITHISH KUMAR R	✓	✓	✓	✓	✓
4	622122112048	NIYAN FARIS	✓	✓	✓	✓	✓
5	622122112049	POLA TANMAI	✓	✓	✓	✓	✓
6	622122112050	PRADEEP.R	✓	✓	✓	✓	✓
7	622122112051	PRAGATHISWARI B R	✓	✓	✓	✓	✓
8	622122112052	RAHUL R	✓	✓	✓	✓	✓
9	622122112053	RAKSHANA A K	✓	✓	✓	✓	✓

Course coordinator

HOD

Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept: CSE(Internet Of Things)
Year/ Semester: I/II
Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	28/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	622122239043	SAMRAJ V	/	/	/	/	/
2	622122242044	SANJAY G	/	/	/	/	/
3	622122245045	SATHYA PRRIYA C	/	/	/	/	/
4	622122248046	SENTHIL KUMAR T	/	/	/	/	/
5	622122251047	SHESHADRI R	/	/	/	/	/
6	622122254048	SHYAM N	/	/	/	/	/
7	622122257049	SIDDHARTHAN T	/	/	/	/	/
8	622122260050	SRINIVASAN G	/	/	/	/	/
9	622122263051	SURYAKUMAR K	/	/	/	/	/
10	622122266052	SURIYA PRAKASH G	/	/	/	/	/
11	622122269053	SYED ABDUL RAZAK	/	/	/	/	/
12	622122272054	TAMILARASAN V	/	/	/	/	/
13	622122275055	THANVANTHARI RAJAN R	/	/	/	/	

1/6/23

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Chemical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	28/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	622122201020	SIVABALAN V	✓	✓	✓	✓	✓
2	622122201021	SOWMIYA K	✓	✓	✓	✓	✓
3	622122201022	VIKRAM C	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Bio Technology

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	28/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	622122206042	RANJITH KUMAR S	✓	✓	✓	✓	✓
2	622122206043	SABITHA S	✓	✓	✓	✓	✓
3	622122206044	SANGEETHA C	✓	✓	✓	✓	✓
4	622122206045	SANTHIYA C	✓	✓	✓	✓	✓
5	622122206046	SANTHOSH C	✓	✓	✓	✓	✓
6	622122206047	SARANYA M.S	✓	✓	✓	✓	✓
7	622122206048	SATHIYA SHEELAN R	✓	✓	✓	✓	✓
8	622122206049	SETHUPATHY P	✓	✓	✓	✓	✓
9	622122206050	SHOBIKA V	✓	✓	✓	✓	✓
10	622122206051	SURJITH K	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Bio Medical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	28/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	622122109045	RASIKA V	✓	✓	✓	✓	✓
2	622122109046	ROHITH M	✓	✓	✓	✓	✓
3	622122109047	RUDRESH V	✓	✓	✓	✓	✓
4	622122109048	SAHAANASHREE A	✓	✓	✓	✓	✓
5	622122109049	SAKTHI DHAVASEELAN A	✓	✓	✓	✓	✓
6	622122109050	SANJAY S	✓	✓	✓	✓	✓
7	622122109051	SARAN L	✓	✓	✓	✓	✓
8	622122109052	SATHISHKUMAR M	✓	✓	✓	✓	✓
9	622122109053	SHAJAN R	✓	✓	✓	✓	✓
10	622122109054	SOWMIYA N	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Aeronautical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	28/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	622122101027	SURA ANIL REDDY	✓	✓	✓	✓	✓
2	622122101028	TAMILARASAN T	✓	✓	✓	✓	✓
3	622122101029	THARANITHARAN R	✓	✓	✓	✓	✓
4	622122101030	THENNARASU B	✓	✓	✓	✓	✓
5	622122101031	THIRUMOORTHY G	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Agriculture Engineering

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	28/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	622122205049	SUDHAN K J	✓	✓	✓	✓	✓
2	622122205050	SUDHARSAN M	✓	✓	✓	✓	✓
3	622122205051	SUWAITHA S	✓	✓	✓	✓	✓
4	622122205052	SWETHA K	✓	✓	✓	✓	✓
5	622122205053	SWETHA S	✓	✓	✓	✓	✓
6	622122205054	UDAYAKUMAR E	✓	✓	✓	✓	✓
7	622122205055	VELAN M	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Electronics and Communication Engineering

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	28/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	622122105129	SANJAI M	✓	✓	✓	✓	✓
2	622122105130	SANJAY B	✓	✓	✓	✓	✓
3	622122105131	SANJAY M	✓	✓	✓	✓	✓
4	622122105132	SANJAY M	✓	✓	✓	✓	✓
5	622122105133	SANJAY S	✓	✓	✓	✓	✓
6	622122105134	SASI PRIYA P	✓	✓	✓	✓	✓
7	622122105135	SATHYA SHREE M	✓	✓	✓	✓	✓
8	622122105136	SEENU SANJAY KUMAR D	✓	✓	✓	✓	✓
9	622122105137	SHAMILI D	✓	✓	✓	✓	✓

Course Coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Electrical and Electronics Engineering

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	29/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	PREMNATH K	622122106040	✓	✓	✓	✓	✓
2	PRIYADHARSHINI S	622122106041	✓	✓	✓	✓	✓
3	RAGURAM P	622122106042	✓	✓	✓	✓	✓
4	RAVIKUMAR E	622122106043	✓	✓	✓	✓	✓
5	RITHIKKUMARAN S.M	622122106044	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Mechanical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	26/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	622122107042	NITHISH KUMAR N	✓	✓	✓	✓	✓
2	622122107043	PRATHAP J	✓	✓	✓	✓	✓
3	622122107044	RAGUL G	✓	✓	✓	✓	✓
4	622122107045	RAGULNATH J	✓	✓	✓	✓	✓
5	622122107046	RAJA R	✓	✓	✓	✓	✓
6	622122107047	RAMKUMAR S	✓	✓	✓	✓	✓
7	622122107048	SABRI VIGNESH M	✓	✓	✓	✓	✓
8	622122107049	SANTHOSH KUMAR M D	a	a	a	a	a
9	622122107050	SATHISHKUMAR P	✓	✓	✓	✓	✓
10	622122107051	SHAM KUMAR M	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: S&F

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	28/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	622122115007	RAJESH R	✓	✓	✓	✓	✓
2	622122115008	RAVIKUMAR P	✓	✓	✓	✓	✓
3	622122115009	SACHIN M R	✓	✓	✓	✓	✓
4	622122115010	SANTHOSHKUMAR G	✓	✓	✓	✓	✓
5	622122115011	SIVAMANI M	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Information Technology

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	28/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	622122202101	SESHANADIKESHAN S	✓	✓	✓	✓	✓
2	622122202102	SHAHUL HAMEED A	✓	✓	✓	✓	✓
3	622122202103	SHALINI A	✓	✓	✓	✓	✓
4	622122202104	SIBI P	✓	✓	✓	✓	✓
5	622122202105	SIVADOSS R	✓	✓	✓	✓	✓
6	622122202106	SOWMIYA B	✓	✓	✓	✓	✓
7	622122202107	SOWMIYALAKSHMI S	✓	✓	✓	✓	✓
8	622122202108	SRIJOTHILINGAM E	✓	✓	✓	✓	✓
9	622122202109	SRIKANTH M	✓	✓	✓	✓	✓
10	622122202110	SRIRAM R	✓	✓	✓	✓	✓
11	622122202111	SRUTHIKA S	✓	✓	✓	✓	✓
12	622122202112	SURYA PRAKASH R V	✓	✓	✓	✓	✓
13	622122202113	THANUSU S	✓	✓	✓	✓	✓
14	622122202114	THARUN J	✓	✓	✓	✓	✓
15	622122202115	THARUNIKA J	✓	✓	✓	✓	✓
16	622122202116	THIVAKAR S	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept:Mechatronics Engineering
Year/ Semester: I/II
Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	28/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	622122210038	SIVA SANTHIP M	/	/	/	/	/
2	622122210039	SIVABHARATHI E	/	/	/	/	/
3	622122210040	SIVAKUMAR K	/	/	/	/	/
4	622122210041	SRIKANTH S	/	/	/	/	/
5	622122210042	SURESH M	/	/	/	/	/
6	622122210043	SURIYA PRAKASH B	/	/	/	/	/
7	622122210044	THAMARAISELVAN SV	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Mechatronics Engineering

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	28/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	622122210038	SIVA SANTHIP M	/	/	/	/	/
2	622122210039	SIVABHARATHI E	/	/	/	/	/
3	622122210040	SIVAKUMAR K	/	/	/	/	/
4	622122210041	SRIKANTH S	/	/	/	/	/
5	622122210042	SURESH M	/	/	/	/	/
6	622122210043	SURIYA PRAKASH B	/	/	/	/	/
7	622122210044	THAMARAISELVAN SV	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:PHARMA

Year/ Semester: I/II

Name of the course : **22GEVC203 WOMEN IN SOCIETY**

S.NO	REG.No	Student Name	28/5/23	29/5/23	30/5/23	31/5/23	1/6/23
1	622122204023	PRASANTH S	/	/	/	/	/
2	622122204024	PRIYADHARSHINI M	/	/	/	/	/
3	622122204025	RAMANA M	/	/	/	/	/

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Science and Humanities

CERTIFICATE

This is to certify that

RAGURAM P

Of Paavai Engineering College, studying in first year Electrical and Electronics Engineering has successfully completed the value added course **22GEVC203 WOMEN IN SOCIETY** duration of the course is 30 hours. **(28.05.2023 to 01.06.023).**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Science and Humanities

CERTIFICATE

This is to certify that

VIJAYA S

Of Paavai Engineering College, studying in first year Civil Engineering has successfully completed the value added course **22GEVC203 WOMEN IN SOCIETY** duration of the course is 30 hours . **(28.05.2023 to 01.06.023).**

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE, NAMAKAL-637018
(As Autonomous Institution - Affiliated to Anna University,Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date: 17.05.2023

CIRCULAR

It is planned to conduct a Five Day Trainnig Course on Indian constitution and Human Rights for our first year students from 28.05.2023 to 01.06.2023. Interested students can enroll their names to the course coordinator Dr.N.Dhanabalan, Associate Professor / Chemistry on or before 22.05.2023.

Course coordinator: 1) Dr.N.Dhanabalan, ASP/ Chemistry.

Head of the Department
Department of Science & Humanities
Paavai Engineering College (Autonomous)
NH-44, Pachal, Namakkal-637 018

Copy to:
1) All Students
2) Notice board

PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF SCIENCE AND HUMANITIES

VALUE ADDED COURSE

22GEVC204-INDIAN CONSTITUTION AND HUMAN RIGHTS

About The Course:

This course refers to promote National Integration, Communal Harmony, Universal Brotherhood and Global Peace, advocate Human Rights and Fundamental Freedom for all, without any discrimination of race, religion, caste, color, sex and language. Human rights means the rights relating to life, liberty, equality and dignity of the individual guaranteed by the Constitution or embodied in the International Covenants and enforceable by courts in India.

INTENDED AUDIENCE:

- All the first year of B.E., B.Tech Students

Date: 28-05-2023 to 01-06-2023

Venue:

3. AB103 (Lecture Hall)

4. AB105 (Lecture Hall)

5.. AB106 (Lecture Hall)

[*AB –Additional Block]

Course Coordinators :

1 .Dr.N.Dhanabalan ASP/Chemistry

2 .R.Pradeepa , ASP/Maths

3 .M.Divya Priya, AP/English

4 .C.Barathi, AP/Physics

Head of the Department
Department of Science & Humanities
Paavai Engineering College (Autonomous)
NH-44, Pachal, Namakkal-637 018

22GEVC204 **INDIAN CONSTITUTION AND HUMAN RIGHTS**

COURSE OBJECTIVES

To enable the students to

- assimilate and get familiarized with basic information about Indian constitution
- understand human rights/ values and its implications in their life.
- thinking towards basic understanding of the Organs of Governance and itsimplications for engineers.

MODULE 1 INTRODUCTION ABOUT INDIAN CONSTITUTION **10**

History of Making of the Indian Constitution: History Drafting Committee, (Composition & Working) - Philosophy of the Indian Constitution: Preamble Salient Features.

MODULE 2 CONSTITUTIONAL RIGHTS & DUTIES **10**

Contours of Constitutional Rights & Duties: Fundamental Rights , Right to Equality, Right to Freedom, Right against Exploitation, Cultural and Educational Rights, Right to Constitutional Remedies, Directive Principles of State Policy, Fundamental Duties.

MODULE 3 ORGANS OF GOVERNANCE **10**

Organs of Governance: Parliament, Composition, Qualifications and Disqualifications, Powers and Functions, Executive, President, Governor, Council of Ministers, Appointment and Transfer of Judges, Qualifications.

TOTAL PERIODS: 30

COURSE OUTCOMES

At the end of the course, the students will be able to

- Discuss the growth of the demand for civil rights in India for the bulk of Indians beforethe arrival of Gandhi in Indian politics
- Discuss the intellectual origins of the framework of argument that informed the Conceptualization of social reforms leading to revolution in India.
- Understand the various organs of Indian governance.

TEXT BOOKS

1. Shubham Singles, Charles E. Haries, and Et al : "Constitution of India and Professional Ethics" byCengage Learning India Private Limited, Latest Edition - 2018
2. Dr. S. N. Busi, Dr. B. R. Ambedkar framing of Indian Constitution, 1st Edition, 2015

REFERENCE BOOKS

1. M.Govindarajan, S.Natarajan, V.S.Senthilkumar, "Engineering Ethics", Prentice -Hall of India Pvt. Ltd. New Delhi.
2. M.V.Pylee, "An Introduction to Constitution of India", Vikas Publishing, 2002.

Head of the Institution
Department of Science & Humanities
Paavai Engineering College (Autonomous)
NH-44, Pachal, Namakkal 637 018

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept: Electronics and Communication Engineering
Year/ Semester: I/II
Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122105138	SHRIDHAR N					
2	622122105139	SHUBHASHREE G					
3	622122105140	SIVAPERUMAL G R					
4	622122105141	SIVARAJ M					
5	622122105142	SIVASUBRA MANIKANDAN S					
6	622122105143	SIVASURYA L					
7	622122105144	SNEHA R					
8	622122105145	SOUNDHARRAJAN M					
9	622122105146	SOUNDHARYA R					
10	622122105147	SOWMIKA A					
1	622122105148	SRINITHI.S					
12	622122105149	SRINIVASAN R					
13	622122105150	SRIRAM M					
14	622122105151	SUBARANJANA MANI					
15	622122105152	SUBASH M					
16	622122105153	SUBASH S					
17	622122105154	SUBASHINI B					
18	622122105155	SUBASRI J					
19	622122105156	SUREKA M					
20	622122105157	SUSEENDHAR T					
21	622122105158	SUTHIKSHASRI S					
22	622122105159	SWETHA K					
23	622122105160	TAMIL SELVI K S					
24	622122105161	TAMILARASAN S					
25	622122105162	THAMARAISELVI M					
26	622122105163	THARUNRAJ V					
27	622122105164	THATA SANDEEP					
28	622122105165	THRISHA B					
29	622122105166	VEDIYAPPAN S					
30	622122105167	VENKATESH.T.U					
31	622122105168	VETRISELVAN A					
32	622122105169	VIJAY S					
33	622122105170	VIJAYABASKAR P					
34	622122105171	VINDHIYA E					
35	622122105172	VISHAL K					
36	622122105173	VISHAL S					
37	622122105174	VISHNUPRAKASH S					
38	622122105175	VISHNUPRIYAN A					
39	622122105176	VISHWARUBALA R					
40	622122105177	YOGESHWARAN M					
41	622122105178	YOKESH G					
42	622122105179	YUVARANI R					

Course cordinator

HOD

HOD

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Electrical and Electronics Engineering

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.05.23	1.6.23
1	SABARINATHAN S	622122106045	✓	✓	✓	✓	✓
2	SAKTHIVEL R	622122106046	✓	✓	✓	✓	✓
3	SASITHAR S	622122106047	✓	✓	✓	✓	✓
4	SHALINI S	622122106048	✓	✓	✓	✓	✓
5	SIVAMANI S	622122106049	✓	✓	✓	✓	✓
6	SIVASAKTHI T	622122106050	✓	✓	✓	✓	✓
7	SIVASINI R	622122106051	✓	✓	✓	✓	✓
8	SUDHAARSAN K	622122106052	✓	✓	✓	✓	✓
9	SURYA S	622122106053	✓	✓	✓	✓	✓
10	TAMILARASAN V	622122106054	✓	✓	✓	✓	✓
11	VAISHNAVI S	622122106055	✓	✓	✓	✓	✓
12	VINAYAGAMURTHI J	622122106056	✓	✓	✓	✓	✓
13	YASAR ARAFATH N	622122106057	a	a	a	a	a
14	YUVANESH T	622122106058	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: S&F

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	29.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122115012	TAMILVANAN KS	1	1	1	1	1
2	622122115013	VIGNESH E	1	1	1	1	1
3	622122115014	VIMALRAJ M	1	1	1	1	1
4	622122115015	VINAYAK M	1	1	1	1	1

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:PHARMA

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122204026	SANDHIYA V	1	1	1	1	1
2	622122204027	SARAVANAKANTH R	1	1	1	1	1
3	622122204028	SATHYA SRI M	1	1	1	1	1
2	622122204029	SIVARANJANI N	1	1	1	1	1
3	622122204030	VELMURUGAN K	1	1	1	1	1

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Mechatronics Engineering

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122210045	THAYANITHI J	1	1	1	1	1
2	622122210046	VEERA PRAKASH M	1	1	1	1	1
3	622122210047	VENKATESH A	1	1	1	1	1
4	622122210048	VIGNESH A	1	1	1	1	1
5	622122210049	VISHWA J	1	1	1	1	1

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Information Technology

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23
1	622122202117	UDHAYA SANKAR C	1	1	1	1
2	622122202118	VAITHISHWARAN K L	1	1	1	1
3	622122202119	VARSHA K	1	1	1	1
4	622122202120	VARUN R	1	1	1	1
5	622122202121	VETRIVEL G	1	1	1	1
6	622122202122	VIGNESH A	1	1	1	1
7	622122202123	VIGNESHWARAN M	1	1	1	1
8	622122202124	VISHNUKUMAR K	1	1	1	1
9	622122202125	YUGANDHAR G	1	1	1	1
10	622122202126	SABARISESHAN V	1	1	1	1

Course cordinator

HC

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept:Food Technology

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122203038	THANGAMUTHU S	1	1	1	1	1
2	622122203039	UDHAYA N	1	1	1	1	1
3	622122203040	VIDHYA C	1	1	1	1	1
4	622122203041	VISHVA R	1	1	1	1	1

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Cyber Security

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	SENTHAMARAI KANNAN S	25.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122111118	VINOTH C	1	1	1	1	1
2	622122111119	VISHVABHARATHI A	1	1	1	1	1
3	622122111120	YASWANTH ANIL MANGADUDDI	1	1	1	1	1
4	622122111121	YUVANESH S	1	1	1	1	1
5	622122111122	YUVARAJ A	1	1	1	1	1

Course coordinator

HOD

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: CSE(Internet Of Things)

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122278056	VASANTHAN S	✓	✓	✓	✓	✓
2	622122281057	VEDIKOLA.AMARNADH REDDY	✓	✓	✓	✓	✓
3	622122284058	VEERADESIKA N	✓	✓	✓	✓	✓
4	622122287059	VISHNU V	✓	✓	✓	✓	✓
5	622122290060	VISWESWAR T	✓	✓	✓	✓	✓
6	622122293061	YUVARAJA P	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: CSE(Artificial Inteligent And Machine Learning)

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	28.5.22	29.5.22	30.5.22	31.5.22	1.6.22
1	622122112054	SAMA ANJUM T	1	1	1	1	1
2	622122112055	SANTHOSH B K	1	1	1	1	1
3	622122112056	SHAIK BAJI BABA	1	1	1	1	1
4	622122112057	SHAM SUNDAR M D	1	1	1	1	1
5	622122112058	VASIKARAN V	1	1	1	1	1
6	622122112059	VELMURUGAN S	1	1	1	1	1
7	622122112060	VIGNESH S	1	1	1	1	1
8	622122112061	VIJAY ASHWIN.K	1	1	1	1	1
9	622122112062	VIJAY M	1	1	1	1	1

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Bio Technology

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122206052	TAMIL VENKATASAN G	✓	✓	✓	✓	✓
2	622122206053	THIRISHA S	✓	✓	✓	✓	✓
3	622122206054	THIRUKUMARAN M	✓	✓	✓	✓	✓
4	622122206055	VARUN PRASATH V	✓	✓	✓	✓	✓
5	622122206056	VIKRAM K	✓	✓	✓	✓	✓
6	622122206057	YUGESH J	✓	✓	✓	✓	✓
7	622122206058	YUVASHRI K	✓	✓	✓	✓	✓

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Civil Engineering

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122103026	VIMALA B	1	1	1	1	1
2	622122103027	YASWANTH K	1	1	1	1	1

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Computer Science Engineering

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122104169	UDHAYAKUMAR S	1	1	1	1	1
2	622122104170	VASANTH S	1	1	1	1	1
3	622122104171	VELUSAMY T	1	1	1	1	1
4	622122104172	VENKATESAN R	1	1	1	1	1
5	622122104173	VIGNESH M	1	1	1	1	1
6	622122104174	VIMAL KRISHNAN S	1	1	1	1	1
7	622122104175	VINOTH M	1	1	1	1	1
8	622122104176	VISHNU A	1	1	1	1	1
9	622122104177	VISHNU K	a	a	a	a	a
10	622122104178	VISHNU PRASAD R	1	1	1	1	1
11	622122104179	VISHNUCHANDAR S S	1	1	1	1	1
12	622122104180	YAZHINI S	1	1	1	1	1

course co-ordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Chemical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	25.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122201023	VISHWA P	1	1	1	1	1
2	622122201024	YOGASRI P	۲	۲	۲	1	1

HOD

Course Coordinator

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Mechanical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	29.5.23	29.5.23	30.5.23	31.5.23	1.06.23
1	622122107052	SHANMUGAVELAN D	1	1	1	1	1
2	622122107053	SUGANDHAN S	1	1	1	1	1
3	622122107054	TAMILVANAN T	1	1	1	1	1
4	622122107055	THAVASI MAGIZHAN M	1	1	1	1	1
5	622122107056	THENATHAYALAN C	1	1	1	1	1
6	622122107057	UDHAYAKUMAR S	1	1	1	1	1
7	622122107058	VASANTH K	1	1	1	1	1
8	622122107059	VIGNESH B	1	1	1	1	1
9	622122107060	VINOTH V	1	1	1	1	1
10	622122107061	VIJAY R	1	1	1	1	1
11	622122107062	YOGESH K	1	1	1	1	1

Course Coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Dept: Aeronautical Engineering
Year/ Semester: I/II
Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122101032	UDHAYAMOORTHY M	1	1	1	1	1
2	622122101033	VIJAY K	1	1	1	1	1
3	622122101034	YARRAM SRINIVASALU	1	1	1	1	1
4	622122101035	YOGESHKUMAR R	1	1	1	1	1

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Aeronautical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	29.5.23	29.5.23	30.5.23	31.5.23	1.6.23
1	622122101032	UDHAYAMOORTHY M	1	1	1	1	1
2	622122101033	VIJAY K	1	1	1	1	1
3	622122101034	YARRAM SRINIVASALU	1	1	1	1	1
4	622122101035	YOGESHKUMAR R	1	1	1	1	1

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Agriculture Engineering

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	28.5.23	29.5.23	30.5.23	31.5.23	1.06.23
1	622122205056	VENNILA S	1	1	1	1	1
2	622122205057	VIGNESH S	1	1	1	1	1
3	622122205058	VISHNUPRIYA J	1	1	1	1	1
4	622122205059	YASODHA G	1	1	1	1	1
5	622122205060	YOGARAJ P	1	1	1	1	1
6	622122205061	YOGESHNATHAN S	1	1	1	1	1

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

Academic Year 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Dept: Bio Medical Engineering

Year/ Semester: I/II

Name of the course : **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS**

S.NO	REG.No	Student Name	28.5.23	29-5.23	30-5-23	31.05.23	1.6.23
1	622122109055	SRIDHAR A	1	1	1	1	1
2	622122109056	SUDHARSAN S	1	1	1	1	1
3	622122109057	SUWATHI S	1	1	1	1	1
4	622122109058	SWATHI V	1	1	1	1	1
5	622122109059	THOLKAPPIYAA N.C	1	1	1	1	1
6	622122109060	THULASINATHAN S	1	1	1	1	1
7	622122109061	VIJI P	1	1	1	1	1
8	622122109062	YUVASREE S	1	1	1	1	1

Course coordinator

HOD

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of Science and Humanities

CERTIFICATE

This is to certify that

YOKESH G

Of Paavai Engineering College, studying in first year Electronics and Communication Engineering has successfully completed the value added course **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS** duration of the course is 30 hours. **(28.05.2023 to 01.06.023).**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7], Pachal, Namakkal - 637018

Department of Science and Humanities

CERTIFICATE

This is to certify that

VIJAY R

Of Paavai Engineering College, studying in first year Mechanical Engineering has successfully completed the value added course **22GEVC204 INDIAN CONSTITUTION AND HUMAN RIGHTS** duration of the course is 30 hours. **(28.05.2023 to 01.06.023).**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

Affiliated to Anna University Chennai and approved by AICTE, New Delhi.
Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

DATE: 16.09.2022

CIRCULAR

It is planned to conduct Five Days Training Course on **"HEALTH AND NUTRITION"** for Third semester students from 19.09.2022 to 24.09.2022 date. The interested students are asked to enroll their name to the course coordinator

- **V.PRIYANKA DEVI, ASSISTANT PROFESSOR**/MBA on or 15.02.2022.

(Spot registration can also be permitted).

Course Co-ordinators: 1. **V. PRIYANKA DEVI, ASSISTANT PROFESSOR**/MBA

HOD/MBA

HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL (PO) Namakkal - 637

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PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

Affiliated to Anna University Chennai and approved by AICTE, New Delhi.

Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

DATE: 14.09.2022

CIRCULAR

It is planned to conduct Five Days Training Course on **"ECOLOGY AND WASTE MANAGEMENT"** for Third semester students from 19.09.2022 to 24.09.2022 date. The interested students are asked to enroll their name to the course coordinator

V.PRIYANKA DEVI, ASSISTANT PROFESSOR/MBA on or 15.02.2022. (Spot registration can also be permitted).

Course Co-ordinators: 1. **V. PRIYANKA DEVI, ASSISTANT PROFESSOR**/MBA

HOD/MBA

HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL (Po) Namakkal-637 018

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE

HEALTH AND NUTRITION

Date: 19.09.22 to 24.09.22

Venue: classroom

COURSE INCHARGE

1. **V. PRIYANAKADEVI , ASSISTANT PROFESSOR/MBA**

HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
PACHAL (PO) Namakkal - 637

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE

ECOLOGY AND WASTE MANAGEMENT

Date: 19.09.2022 to 24.09.2022

Venue: classroom

COURSE INCHARGE

1. **V. PRIYANAKADEVI , ASSISTANT PROFESSOR/MBA**

HEAD OF THE DEPARTMENT
MANAGEMENT STUDIES
PAAVAI ENGINEERING COLLEGE
PACHAL, NAMAKKAL-637 018

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22BAVC101 HEALTH AND NUTRITION

COURSE OBJECTIVES:

1. To develop basic understanding about concept of health from the individual
2. Understand the common nutritional problems of the community their causes, symptoms
3. To know the schemes, programmes and policies of Government of India

Unit I: - Introduction

Basics of Nutrition & Dietetics, concepts of nutrition

Unit II: Nutritional Problems in India and National Nutrition Policy (NNP)

Protein Energy Malnutrition, Vitamin A deficiency, Nutritional anaemia, iodine Deficiency Disorder, Chronic disease, Eating disorder.

Unit III: Nutritional Assessment

Introduction, Definition, objectives, methods of assessment.

Unit IV: Nutrition of a Community

Introduction, Definition of community nutrition, role of nutrition in community development, methods of improving nutritional quality.

Unit V: Modern Methods of Improving Nutritional Quality

Food Fortification: - definition, methods, advantages & disadvantages Nutrient Supplementations, Nutrition education themes and messages in nutrition and health.

TOTAL PERIODS: 30

COURSE OUTCOMES:

- To develop skill and confidence to make informed decisions about healthy diet in health and disease.
- To learn composition and chemistry of different foods and changes that occur during cooking/processing of foods.
- To apply the knowledge of food microbiology, sanitation and hygiene in food production and service.

TEXT BOOKS:

Mudambi, SR, Rao SM and Rajagopal, MV. Food Science; Second Ed; 2006; New Age International Publishers

REFERENCES:

Srilakshmi B. Food Science; Fourth Ed; 2010; New Age International (P) Ltd.

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21BAVC301 ECOLOGY AND WASTE MANAGEMENT

COURSE OBJECTIVES:

- To provide insight on current environmental issues
- Role of individual in protecting the environment
- Enable students to understand concept of waste management and the ways of reducing waste
- Disposal and treatment of waste- 3 R system

Unit I: Introduction

Introduction to environment-Eco system-balanced eco system-human activities -Health Risk & Vulnerability of humans due to environmental Degradation.

Unit II

Ecology- biodiversity-impact of economy on ecology-restoration-biodiversity threats and conservation.

Unit III

Introduction to waste management-Environmental issues –ways of environmental pollution-need of waste management.

Unit IV

Liquid waste management-hazardous and toxic waste-Municipal waste handling in Indian cities and towns- Bio medical and chemical waste- Nuclear and E waste- environmental consequences of ship breaking.

Unit V

Disposal of solid waste and management -3R system –new technologies in 3R -3R in home-3R in our country- ways of minimizing wastages- home-city-country-organic waste management - waste prevention.

Total: 30

Hours

COURSE OUTCOMES:

- Develop an understanding of structure and function of an ecosystem
- Propose different biodiversity conservation measures.
- Outline the industry specific solid waste management practices

TEXT BOOK:

Chandra, Ram (Ed.) (2016), Environmental waste management. Boca Raton: CRC Press.

REFERENCES:

P.C. Joshi, Namista Joshi (2016), Environmental waste management, Himalaya Publishing House

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

ACADAMIC YEAR 2022-2023

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/ Semester: I/II

Name of the course: 21BAVC101 HEALTH AND NUTRITION

S.NO	REG.No	Student Name	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
1	622121501001	AADIL ALI.S	P	P	P	P	P
2	622121501002	ABINESHKUMAR.K	P	P	P	P	P
3	622121501003	ACHARYA KARTHIK RAJESH	P	P	P	P	P
4	622121501004	AMSA.T	P	P	P	P	P
5	622121501005	BADRINATH.G	P	P	A	P	P
6	622121501006	BARATHKUMAR.K	P	P	P	P	P
7	622121501007	BENITA SHERIN.B	P	P	P	P	P
8	622121501008	CHANDRU VASANTH.V	P	P	P	P	A
9	622121501009	CHARAN BALAJI.A	P	P	P	P	P
10	622121501010	DEEPA.T	P	P	P	P	P
11	622121501011	DHARSINIDEVI.S	P	P	P	P	P
12	622121501012	DIWAKAR.T	P	P	P	P	P
13	622121501013	ELAVARASAN.M	P	P	A	P	P
14	622121501014	GAYATHRI.K	P	P	P	P	P
15	622121501015	GEETHANJALI.V	P	P	P	P	P
16	622121501016	GOKUL RAJ.P	P	P	P	P	P
17	622121501017	HARIHARAN.S	P	P	P	A	P
18	622121501018	HARSHAPRIYA.R	P	P	P	P	P
19	622121501019	INDHUMATHI.T	P	P	P	P	P
20	622121501020	JAYASURIYA.J	P	P	P	P	P
21	622121501021	JEEVIKA.S	P	P	P	A	P
22	622121501022	KARAN.G	P	P	P		P
23	622121501024	KAYALVIZHI.P	P	P	P	P	P
24	622121501025	MAJITHA.M	P	P	P	P	P
25	622121501026	MANOJRAJ.R	P	P	P	P	P

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26	622121501027	MOULI.J	P	P	P	P	P
27	622121501028	NANDHINI.S	P	P	P	P	P
28	622121501029	NISHANTHI.R	P	P	P	P	P
29	622121501030	OVIYAA.M	P	P	P	P	P
30	622121501031	PRABAVATHI.S	P	P	P	P	P
31	622121501032	PRASANTH.S	P	P	A	P	P
32	622121501033	PRASANTH.S	P	P	P	P	P
33	622121501034	PRAVEENA.R	P	P	P	P	P
34	622121501035	PRIYADHARSHINI.B	P	P	P	P	P
35	622121501036	PRIYAVASAN.S	P	P	P	P	P
36	622121501037	RAJADURAI.G	P	P	P	P	P
37	622121501038	RAJAGANESH.V.R	P	P	A	P	A
38	622121501039	RAMESHWARI.K	P	P	P	P	P
39	622121501040	RAMYA.S	P	P	P	P	P
40	622121501041	RAVISANKAR.V.R	P	P	P	P	P
41	622121501042	RENIX ANTONY.J	P	P	P	P	P
42	622121501043	REVATHI.R	P	P	P	P	P
43	622121501044	SAKTHIVEL.A	P	P	P	P	P
44	622121501045	SAMUKTHA.P	P	P	P	P	P
45	622121501046	SANTHOSH KUMAR.P	A	P	P	P	P
46	622121501047	SATHISH.M	P	P	P	P	P
47	622121501048	SATHISH.S	P	P	P	A	P
48	622121501049	SHANKARAN.T	P	P	P	P	P
49	622121501050	SOWMIYA.G.V	P	P	P	P	P
50	622121501051	SOWMUGI.V	P	P	P	P	P
51	622121501052	SUBHIKSHA.N	P	P	P	P	P
52	622121501053	SUDARSAN BABU.S	A	P	P	P	A
53	622121501054	SUDHAKAR.R	P	P	P	P	P
54	622121501055	VALLARASU.R	P	P	A	P	P
55	622121501056	VASUNDRA.P	P	P	P	P	P
56	622121501057	VIGNESHWARAN.P.M.	P	P	P	P	P
57	622121501058	VIVEK.A	P	P	P	P	P
58	622121501059	YOKESH.A	P	P	P	P	P
59	622121501060	YUVITHA.K	P	P	P	P	P

COURSE INCHARGE

HOD
HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
NH-2, PACHAL (Po) Namakkal - 637

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

VISHNU.M

of Paavai Engineering College, studying in second year has successfully completed the value added course 22VAC101 - HEALTH NUTRITION. The duration of the course is 30 hours from

19.09.2022 TO 24.09.2022

Course Incharge

HOD

Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

SWETHA.G

of Paavai Engineering College, studying in second year has successfully completed the value added course 22VAC101 - HEALTH NUTRITION. The duration of the course is 30 hours from

19.09.2022 TO 24.09.2022

Course Incharge | HOD | Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

NITHYA.J

of Paavai Engineering College, studying in second year has successfully completed the value added course 22VAC101 - HEALTH NUTRITION. The duration of the course is 30 hours from

19.09.2022 TO 24.09.2022

Course Incharge

HOD

Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

ANIK SARAKI.L

of Paavai Engineering College, studying in second year has successfully completed the value added course 22VAC301 - ECOLOGY AND WASTE MANAGEMENT. The duration of the course is 30 hours from

19.09.2022 TO 24.09.2022

Course Incharge | HOD | Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

THARUN.M

of Paavai Engineering College, studying in second year has successfully completed the value added course 22VAC301 - ECOLOGY AND WASTE MANAGEMENT. The duration of the course is 30 hours from

19.09.2022 TO 24.09.2022

Course Incharge | HOD | Principal

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PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

Affiliated to Anna University Chennai and approved by AICTE, New Delhi.

Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

DATE: 26.03.2023

CIRCULAR

It is planned to conduct Five Days Training Course on **"WOMEN AND SOCIETY IN INDIA"** for Second semester students from 27.03.2023 to 31.03.2023 date. The interested students are asked to enroll their name to the course coordinator

A. SHEELA, ASSISTANT PROFESSOR/MBA on or 27.03.2023. (Spot registration can also be permitted).

Course Co-ordinators: 1. **A. SHEELA, ASSISTANT PROFESSOR**/MBA

HOD/MBA

HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL (Po) Namakkal - 637

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PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

Affiliated to Anna University Chennai and approved by AICTE, New Delhi.

Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

DATE: 26.03.2023

CIRCULAR

It is planned to conduct Five Days Training Course on **"VISUALZING AND ADVERTISING"** for Second semester students from 27.03.2023 to 31.03.2023 date. The interested students are asked to enroll their name to the course coordinator

A. SHEELA, ASSISTANT PROFESSOR/MBA on or 30.03.2023. (Spot registration can also be permitted).

Course Co-ordinators: 1. **A. SHEELA, ASSISTANT PROFESSOR**/MBA

HOD/MBA

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Management Studies
PAAVAI ENGINEERING COLLEGE
PH-7, PACHAL (Po)Namakkal - 637

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE

WOMEN AND SOCIETY IN INDIA

Date: 27.09.2023 to 29.03.2023

Venue: classroom

COURSE INCHARGE

1. **A.SHEELA,** ASSISTANT PROFESSOR/MBA

HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL (Po) Namakkal - 637

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE

HEALTH AND NUTRITION

Date: 19.09.22 to 24.09.22

Venue: classroom

COURSE INCHARGE

1. V. PRIYANAKADEVI , ASSISTANT PROFESSOR/MBA

HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
NAMAKKAL-637 018

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22BAVC201

WOMEN AND SOCIETY IN INDIA

COURSE OBJECTIVES:

1. To familiarize students with the specific cultural contexts of women in India.
2. To Orient the students regarding Theories of Gender Relations in India Society.
3. To acquire knowledge about Economic Development, Women Empowerment.

Unit I: - Introduction

Women's position from Vedic times to the present, women participation in India's independence movement.

Unit II: Socialisation

Social construction of gender and gender roles- Socialisation- Institutions of socialization

Unit III: Multitasking Women Role

Women in family – marriage, working women-multi-tasking, Women and health issues

Unit IV: Women Empowerment

Women in Higher Education; Gender issues in Health, Environment, Family welfare Measures, Indecent representation of Women in media; Women in Difficult circumstances; Constitutional.

Unit V: SOCIAL ISSUES REGARDING WOMEN

Issues of Girl child, Female, infanticide and foeticide, Sex Ratio child marriage, Dowry & Property Rights, Violence against Women, Domestic violence, Women in the Unorganized sector of Employment.
Women's work- Status and problems, problems of Dalit women.

TOTAL PERIODS: 30

COURSE OUTCOMES:

- To develop skill and confidence to make informed decisions about healthy diet in health and disease.
- To learn composition and chemistry of different foods and changes that occur during cooking/processing of foods.
- To apply the knowledge of food microbiology, sanitation and hygiene in food production and service.

TEXT BOOKS:

Amy S. Wharton. (2005). "The Sociology of Gender: An Introduction to Theory and Research". (KeyThemes in Sociology) Blackwell Publishing, UK, Indian Reprint,Kilaso Books, New Delhi.

REFERENCES:

Devaki Jain and Pam Rajput (Ed). (2003). "Narratives from the Women"s Studies Family: Recreating Knowledge, Sage, and New Delhi

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21BAVC401 VISUALIZING AND ADVERTISING

COURSE OBJECTIVES:

- To orient students into the world of Advertising.
- To understand the significance of copy and art in Advertising.
- To familiarise with the basic concepts of design in Advertising for specific media.

Unit 1: Introduction

Overview of the Advertising: World and Indian perspective Advertising Agencies: Structure and functions

Unit II

Creativity in Advertising, Writing for Different Media: Style and Formats Copywriting, Creative Writing, Copy and Art platform, Qualities of copy writer, Structure of Ad copy.

Unit III

Visualization in Advertising, Elements and Principles of Design, Typography, Logo, Illustration, Layout design, Graphics and Visual effects

Unit IV

Discussing the successful Advertising Campaign Target Audience Analysis

Unit V

Understanding Media and Communication Strategy-Introduction to IMC components

Creating Advertising strategy and planning

Total: 30 Hours

COURSE OUTCOMES:

- To highlight the nuances of planning a successful advertising campaign.
- To illustrate the importance of Strategizing in Advertising.
- To Outline the industry promotion and strategies.

TEXT BOOK:

Advertising Management: Concepts & Cases **Author(s):** Mohan. Manendra, **Publisher:** Tata McGraw (2019)

REFERENCES:

Contemporary Advertising reference book by Arens **Author(s):** Arens. W. F. **Publisher:** Tata. McGraw Hill (TMH) 2018

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

ACADAMIC YEAR 2022-2023
VALUE ADDED COURSE
ATTENDANCE SHEET

Year/ Semester: I/II

Name of the course: 21BAVC201 WOMEN AND SOCIETY IN INDIA

S.NO	REG.No	Student Name	27.09.23	28.09.23	29.09.23	30.09.23	31.09.23
1	622121501001	AADIL ALI.S	P	P	P	P	P
2	622121501002	ABINESHKUMAR.K	P	P	P	P	P
3	622121501003	ACHARYA KARTHIK RAJESH	P	P	P	P	P
4	622121501004	AMSA.T	P	P	P	P	P
5	622121501005	BADRINATH.G	P	P	P	P	P
6	622121501006	BARATHKUMAR.K	P	P	A	P	P
7	622121501007	BENITA SHERIN.B	P	P	P	P	P
8	622121501008	CHANDRU VASANTH.V	P	P	P	P	P
9	622121501009	CHARAN BALAJI.A	P	P	P	P	P
10	622121501010	DEEPA.T	P	P	P	P	P
11	622121501011	DHARSINIDEVI.S	P	P	P	P	P
12	622121501012	DIWAKAR.T	P	A	P	P	A
13	622121501013	ELAVARASAN.M	P	P	P	P	P
14	622121501014	GAYATHRI.K	P	P	P	P	P
15	622121501015	GEETHANJALI.V	P	P	P	P	P
16	622121501016	GOKUL RAJ.P	P	A	P	P	P
17	622121501017	HARIHARAN.S	P	P	P	P	P
18	622121501018	HARSHAPRIYA.R	P	P	P	P	P
19	622121501019	INDHUMATHI.T	P	P	P	P	P
20	622121501020	JAYASURIYA.J	P	P	P	P	P
21	622121501021	JEEVIKA.S	P	P	A	P	P
22	622121501022	KARAN.G	P	P	P	P	P
23	622121501024	KAYALVIZHI.P	P	P	P	P	A
24	622121501025	MAJITHA.M	P	P	P	P	P
25	622121501026	MANOJRAJ.R	P	P	P	P	P
26	622121501027	MOULI.J	P	A	P	P	P
27	622121501028	NANDHINI.S	P	P	P	P	P
28	622121501029	NISHANTHI.R	P	P	P	P	P
29	622121501030	OVIYAA.M	P	P	P	P	P

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11	622122501011	DHINAKARAN S
12	622122501012	DILIBABU S
13	622122501013	DINESHKARTHICK P
14	622122501014	DURGADEVI S
15	622122501015	ESAKKIMUTHU M
16	622122501016	EZHIL MUKIL S
17	622122501018	GOWTHAM S
18	622122501019	GOWTHAMAN R
19	622122501020	GURUSARAN S
20	622122501021	KALPANA T
21	622122501022	KAMIL J
22	622122501023	KARTHICK T
23	622122501024	KHAMHALEE S K
24	622122501025	KISHOR S
25	622122501026	MANIVASAN V
26	622122501027	MATHISURYA S
27	622122501028	MOHAMMED MUSHRAF S
28	622122501029	MOHANASUNDHARAM C
29	622122501030	MURALI T
30	622122501031	NIJANDHAN A
31	622122501032	NITHYA J
32	622122501033	POOJA R
33	622122501034	PRABHAVATHI S
34	622122501035	PRASANNA VENKATESH T
35	622122501037	SABARISH N
36	622122501038	SANGA SIVARAMAIAH
37	622122501039	SANTHOSH KUMAR R
38	622122501040	SARANRAJ A
39	622122501041	SATHYAPRIYA K
40	622122501042	SELVAKARTHICK S
41	622122501043	SELVARANI K
42	622122501044	SEVVANTHI S
43	622122501045	SHAMITHA DHARSHINI R
44	622122501046	SHARMILA D
45	622122501047	SHRAVYA LAKSHMI S
46	622122501048	SINDHUJA R
47	622122501049	SOWMYA G
48	622122501050	SRINIVASAN P

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30	622121501031	

49	622122501052	SURYAKUMAR M					
50	622122501053	SWETHA G					
51	622122501054	TAMIL SELVAN M					
52	622122501055	THANGASATHIYAKALA A					
53	622122501056	THARUN M					
54	622122501057	UDHAYANIDHI S					
55	622122501058	VARSHA T					
56	622122501059	VENKATESH M					
57	622122501060	VISHNU M					
58	622122501501	MAJITHA M					
59	622122501701	DEEPIKA M					

COURSE INCHARGE

H.O.D

HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL (Po) Namakkal - 637

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

DEVA ROOBA.A.D

of Paavai Engineering College, studying in second year has successfully completed the value added course WOMEN AND SOCIETY IN INDIA. The duration of the course is 30 hours from

27.03.2023 TO 31.03.2023

Course Incharge

HOD

Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

SELVARANI.K

of Paavai Engineering College, studying in second year has successfully completed the value added course WOMEN AND SOCIETY IN INDIA. The duration of the course is 30 hours from

27.03.2023 TO 31.03.2023

Course Incharge

HOD

Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

MATHISURYA

of Paavai Engineering College, studying in second year has successfully completed the value added course **WOMEN AND SOCIETY IN INDIA**. The duration of the course is 30 hours from

27.03.2023 TO 31.03.2023

Course Incharge

HOD

Principal

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

SRINIVASAN.P

of Paavai Engineering College, studying in second year has successfully completed the value added course WOMEN AND SOCIETY IN INDIA. The duration of the course is 30 hours from

27.03.2023 TO 31.03.2023

Course Incharge

HOD

Principal

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

SHAMITHA DHARSHINI.R

of Paavai Engineering College, studying in second year has successfully completed the value added course WOMEN AND SOCIETY IN INDIA. The duration of the course is 30 hours from

27.03.2023 TO 31.03.2023

Course Incharge | HOD | Principal

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PAAVAI ENGINEERING COLLEGE

(Autonomous)
Pachal, Namakkal - 637 018.

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Date : 14.09.2022

CIRCULAR

It is planned to conduct **Five Days Value Added Course** on **SHELL PROGRAMMING** for third semester students from 19.09.2022 to 23.09.2022. The interested students are asked to enroll their names to the course coordinator **Mrs.M.Maheswari, AP/MCA** on or before 18.09.2022. (spot registration can also be permitted)

HOD/MCA

HEAD OF THE DEPARTMENT
Master of Computer Application
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL (Po) Namakkal - 637 018.

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PAAVAI ENGINEERING COLLGE

(AUTONOMOUS)

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

VALUE ADDED COURSE

SHELL PROGRAMMING

ABOUT THE COURSE:

- A **Shell script** is a computer program designed to be run by a Unix shell, a command-line interpreter. The various dialects of shell scripts are considered to be scripting languages. Typical operations performed by shell scripts include file manipulation, program execution, and printing text.
- **Shell scripting** is a text file with a list of commands that instruct an operating system to perform certain tasks. A **Shell** is an interface that interprets, processes, and executes these commands from the shell script.
- **Shell** scripting is primarily used to automate repetitive system tasks, such as backing up files, monitoring system resources, and managing user accounts. By turning a series of commands into a script, system administrators can save time, increase accuracy, and simplify complex tasks.

COURSE OUTCOMES:

At the end this course, students will be able to

- understand a working level of skills required for a Software Professional
- implement Practice attention to detail
- analyze Documentation skills

DATE &VENUE :

19.09.2022 to 23.09.2022, MCA Laboratory, Paavai Engineering College

COURSE COORDINATOR:

Mrs.M.Maheswari, AP/MCA

22CAVC101 SHELL PROGRAMMING

COURSE OBJECTIVES

To enable the students to

- obtain a working level of skills required for a Software Professional
- practice attention to detail
- documentation skills

UNIT I Introduction to Unix

Architecture of Unix, Features of Unix , Unix Commands – PATH, man, echo, printf, script, passwd, uname, who, date, stty, pwd, cd, mkdir, rmdir, ls, cp, mv, rm, cat, more, wc, lp, od, tar, gzip

UNIT II Unix Utilities

Introduction to unix file system, vi editor, file handling utilities, security by file permissions, process utilities, disk utilities, networking commands, unlink, du, df, mount, umount, find, unmask, ulimit, ps, w, finger, arp, ftp, telnet, rlogin. Text processing utilities and backup utilities , detailed commands to be covered are tail, head , sort, nl, uniq, grep, egrep, fgrep, cut, paste, join, tee, pg, comm, cmp, diff, tr, awk, cpio

UNIT III Introduction to Shells

Unix Session, Standard Streams, Redirection, Pipes, Tee Command, Command Execution, CommandLine Editing, Quotes, Command Substitution, Job Control, Aliases, Variables, Predefined Variables, Options, Shell/Environment Customization.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- understand a working level of skills required for a Software Professional
- implement Practice attention to detail
- analyze Documentation skills

TEXT BOOKS

1. Yashavant P. Kanetkar “Unix Shell Programming”, BPB Publication

REFERENCES

1. Forouzan, “Unix & Shell Programming”, Cengage Learning

PAAVAI ENGINEERING COLLEGE

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Pachal, Namakkal - 637 018.

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Academic Year : 2022-2023

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Sem : II / III

Name of the Course : 22CAVC101 SHELL PROGRAMMING

S.No	Reg. Number	Name of thhe Student	19.09.22	20.09.22	21.09.22	22.09.22	23.09.22
1	622121601001	ABINAYA.K	AB	AB	AB	AB	AB
2	622121601002	ANANTH S	/	/	/	/	/
3	622121601003	ANNAMALAI C	AB	AB	AB	AB	AB
4	622121601004	ANTONY JOSEPHRAJ D	/	/	/	/	/
5	622121601006	ARUNKUMAR A	/	/	/	/	/
6	622121601007	BOOPALAN R	AB	AB	AB	AB	AB
7	622121601008	DHARANI R	/	/	/	/	/
8	622121601009	DHARANIYA T	/	/	/	/	/
9	622121601010	DHARMARAJ L	/	/	/	/	/
10	622121601011	DHARSHINI E	/	/	/	/	/
11	622121601012	DINESH V	/	/	/	/	/
12	622121601013	ENBARASI S	/	/	/	/	/
13	622121601015	FAIJUL RAHMAN J	/	/	/	/	/
14	622121601016	GOKUL.A	/	/	/	/	/
15	622121601017	GOWSIKA M	/	/	/	/	/
16	622121601018	GUNASELVI P	/	/	/	/	/
17	622121601019	IMRANA A	/	/	/	/	/
18	622121601020	INDHUMATHI A	/	/	/	/	/
19	622121601021	INDRAJETH.A	/	/	/	/	/
20	622121601022	KANNAN P	/	/	/	/	/
21	622121601023	KAVIN KUMAR R	/	/	/	/	/
22	622121601025	LOGESHWARAN P	/	/	/	/	/
23	622121601026	MADHUSHRI M	/	/	/	/	/
24	622121601027	MITHUNSANJEEVE T	/	/	/	/	/
25	622121601029	MOHAN. M	/	/	/	/	/

26	622121601029	MONIKA S	/	/	/	/	/
27	622121601030	NAGAJOTHI A	/	/	/	/	/
28	622121601031	NAVINA M	/	/	/	/	/
29	622121601032	NITHISH KUMAR P	/	/	/	/	/
30	622121601033	PAVITHRA P	/	/	/	/	/
31	622121601035	PRADEEP N	AB	AB	/	/	/
32	622121601036	PRAKASH M	/	/	/	/	/
33	622121601037	PRASATH S	/	/	/	/	/
34	622121601038	PREETHI S	/	/	/	/	/
35	622121601039	RESHMA R	/	/	/	/	/
36	622121601040	RITHIKA T	/	/	/	/	/
37	622121601041	RUBIKA M	/	/	/	/	/
38	622121601043	SAMPATH.R	/	/	/	/	/
39	622121601044	SHALINI P	/	/	/	/	/
40	622121601045	SHALINI S	/	/	/	/	/
41	622121601046	SHARUMATHI P	/	/	/	/	/
42	622121601047	SNEKA N	/	/	/	/	/
43	622121601048	SOWMIYA A	/	/	/	/	/
44	622121601049	SRIJAYAN M	/	/	/	/	/
45	622121601050	SUBAHARINI.A.B	/	/	/	/	/
46	622121601051	SUBIKHSA I	/	/	/	/	/
47	622121601052	SUDHARSANAVEL V	/	/	/	/	/
48	622121601053	SUJITHA C	/	/	/	/	/
49	622121601054	SUNIL PRASATH M	/	/	/	/	/
50	622121601055	UDHAYANITHI N	/	/	/	/	/
51	622121601056	VAISNAVI C	/	/	/	/	/
52	622121601058	VIGNESH K (SQ)	AB	AB	AB	AB	AB
53	622121601059	VIJAYSANKAR T	/	/	/	/	/
54	622121601060	YOGESHWARAN M	/	/	/	/	/

Course Coordinator

HoD/MCA

HEAD OF THE DEPARTMENT
Master of Computer Application
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL (Po) Namakkal - 637 018

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of MCA

CERTIFICATE OF PARTICIPATION

This is to certify that

Dharshini.E

of **Paavai Engineering College,** studying in First Year has successfully completed the Value added Course **"SHELL PROGRAMMING".** The duration of the course is 30 hours **(19.09.2022 to 23.09.2022)**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of MCA

CERTIFICATE OF PARTICIPATION

This is to certify that

Kavinkumar.R

of **Paavai Engineering College,** studying in First Year has successfully completed the Value added Course **"SHELL PROGRAMMING".** The duration of the course is 30 hours **(19.09.2022 to 23.09.2022)**

Course Coordinator	HOD	Principal

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Department of MCA

CERTIFICATE OF PARTICIPATION

This is to certify that

Prakash.M

of **Paavai Engineering College,** studying in First Year has successfully completed the Value added Course **"SHELL PROGRAMMING".** The duration of the course is 30 hours **(19.09.2022 to 23.09.2022)**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

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NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of MCA

CERTIFICATE OF PARTICIPATION

This is to certify that

Preethi.S

of **Paavai Engineering College,** studying in First Year has successfully completed the Value added Course **"SHELL PROGRAMMING".** The duration of the course is 30 hours **(19.09.2022 to 23.09.2022)**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

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NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of MCA

CERTIFICATE OF PARTICIPATION

This is to certify that

Sowmiya.A

of **Paavai Engineering College,** studying in First Year has successfully completed the Value added Course **"SHELL PROGRAMMING".** The duration of the course is 30 hours **(19.09.2022 to 23.09.2022)**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)
Pachal, Namakkal - 637 018.

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Date : 23.03.2023

CIRCULAR

It is planned to conduct **Five Days Value Added Course** on **C# AND .NET PROGRAMMING** for third semester students from 27.03.2023 to 31.03.2023. The interested students are asked to enroll their names to the course coordinator **Mrs.R.Deepika, AP/MCA** on or before 26.03.2023. (spot registration can also be permitted)

HOD/MCA

HEAD OF THE DEPARTMENT
Master of Computer Application
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL (Po) Namakkal - 637 018.

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PAAVAI ENGINEERING COLLGE

(AUTONOMOUS)

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

VALUE ADDED COURSE

C# AND .NET PROGRAMMING

ABOUT THE COURSE:

- **C#** is a modern, general-purpose programming language that can be used to perform a wide range of tasks and objectives that span over a variety of professions. C# is primarily used on the Windows **.NET framework**, although it can be applied to an open source platform.
- **C#** can be used to create a number of different programs and applications: mobile apps, desktop apps, cloud-based services, websites, enterprise software and games. Lots and lots of games.
- **C#** was created by Microsoft for Microsoft, so it's easy to see why it's most popularly used for the development of Windows desktop applications. C# applications require the Windows **.NET framework** in order to function at their best, so the strongest use case for this language is developing applications and programs that are specific to the architecture of the Microsoft platform.

COURSE OUTCOMES:

At the end this course, students will be able to

- use Visual Studio .NET to implementing the .NET application and to Know the basic C#.
- know the C# OOPS Concepts.
- know the basic ADO.NET structures and understand the ADO.NET database connectivity

DATE &VENUE :

27.03.2023 to 31.03.2023, MCA Laboratory, Paavai Engineering College

COURSE COORDINATOR:

Mrs.R.Deepika, AP/MCA

22CAVC201 C# AND .NET PROGRAMMING

COURSE OBJECTIVES

To enable the students to

- learn the .NET framework concept and understand the syntax of basic C# Programs
- learn C# elements and OOPS concepts
- learn fundamentals of window application programming and how to create a window application

UNIT I INTRODUCTION TO C#

Introducing C#, Understanding .NET, Overview of C#, Literals, Variables, Data Types, Operators, Expressions, Branching, Looping, Methods, Arrays, Strings, Structures, Enumerations.

UNIT II OBJECT ORIENTED ASPECTS OF C#

Classes, Objects, Inheritance, Polymorphism, Interfaces, Operator Overloading, Delegates, Events, Errors and Exceptions.

UNIT III APPLICATION DEVELOPMENT ON .NET

Building Windows Applications, Accessing Data with ADO.NET.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- use Visual Studio .NET to implementing the .NET application and to Know the basic C# elements
- know the C# OOPS Concepts
- know the basic ADO.NET structures and understand the ADO.NET database connectivity

TEXT BOOKS

1. Herbert Schildt, “The Complete Reference: C#”, Tata McGraw-Hill, 2014.

REFERENCES

1. E. Balagurusamy, “Programming in C#”, Tata McGraw-Hill.

PAAVAI ENGINEERING COLLEGE

(Autonomous)
Pachal, Namakkal - 637 018.

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Academic Year : 2022-2023

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Sem : I / II

Name of the Course : 22CAVC201 C# AND .NET PROGRAMMING

S.No	Reg. Number	Name of thhe Student	27.03.23	28.03.23	29.03.23	30.03.23	31.03.23
1	622122601001	AAFREEN S	/	/	/	/	/
2	622122601002	ABINAYA N	/	/	/	/	/
3	622122601003	ABINAYA T	/	/	/	/	/
4	622122601004	ABISHEK D	/	/	/	/	/
5	622122601005	ANITHA S	/	/	/	/	/
6	622122601006	ARAVIND M	/	AB	/	/	/
7	622122601008	ARULSELVAM R	/	/	/	/	/
8	622122601009	ARUNPANDIAN P	/	/	/	/	/
9	622122601010	ASHOK RAJ L	/	/	/	OD	/
10	622122601011	ASHRAF A	/	/	OD	/	/
11	622122601012	BOOPATHI N	/	/	/	/	/
12	622122601013	BRINDHA V	/	/	/	/	/
13	622122601014	CHRISTOPHER B	/	OD	/	/	/
14	622122601015	DAYALI HARIKRISHNA R	/	/	OD	/	/
15	622122601016	DEEPIKA A	/	/	/	/	/
16	622122601017	DHARANI M	/	/	/	/	/
17	622122601018	DHIVAKAR S	/	/	/	/	/
18	622122601019	DINAKARAN P	/	/	/	OD	/
19	622122601020	DINESH S	/	/	/	/	/
20	622122601021	DIVYASRI M	/	/	/	/	/
21	622122601022	DLIP R	/	/	/	/	/
22	622122601023	ELAVARASAN G	/	/	/	/	/
23	622122601024	ELLAPPAN S	/	/	/	/	/
24	622122601025	GANESELVAN.S	/	/	/	/	/
25	622122601027	GAUTHAMAN.S	/	/	/	/	/

26	622122601028	GOKUL C					
27	622122601029	GOKUL G					
28	622122601030	GOKUL K					
29	622122601031	GOKUL S					
30	622122601032	GOKULRAJ R					
31	622122601033	GOWRI R					
32	622122601034	GUNAL S					
33	622122601035	GURUPRASAD A K					
34	622122601036	HARIKRISHNA P					
35	622122601037	HEMA S					
36	622122601038	JAGADEESH S					
37	622122601039	JAYANTHINATHAN V					
38	622122601040	JAYAPRAKASAM A					
39	622122601041	JAYASREE O					
40	622122601042	JEETHESH P					
41	622122601043	JEEVITHA S					
42	622122601044	JEEVITHA S					
43	622122601045	JONES S					
44	622122601046	JOSHYA M					
45	622122601047	KALPANA V					
46	622122601048	KARTHIKEYAN S					
47	622122601050	KRISHNAKUMAR S					
48	622122601051	LAVANYA M					
49	622122601052	MADDASANI VENKATA LOKESH KUMAR					
50	622122601053	MAHADEVAN G					
51	622122601054	MAMURUGAN C					
52	622122601055	MOHAMMED ASHIK S					
53	622122601056	MOHAN RAJ M					
54	622122601057	NAVALADIYAN M					
55	622122601058	NEGHA R					
56	622122601059	NIROSHA R					
57	622122601060	POOJA K					
58	622122601061	PRADEEP P					

59	622122601062	PRAVEEN S					
60	622122601063	PRIYADARSHINI R					
61	622122601064	PUSHPARAGINI R					
62	622122601065	RAGUL P					
63	622122601067	RAMJI M					
64	622122601068	RAMKUMAR R					
65	622122601069	RAMKUMAR S					
66	622122601071	RITHU C					
67	622122601072	SANDHIYA R					
68	622122601073	SANTHOSH C					
69	622122601074	SARAN S P					
70	622122601075	SARANKUMAR C					
74	622122601076	SARANYA G J					
72	622122601077	SASI V					
73	622122601078	SASIDHARMA T					
74	622122601080	SATHISHKUMAR C					
75	622122601081	SHALINI J					
76	622122601082	SHARMILA M					
77	622122601083	SHARUNITHI D					
78	622122601084	SINDHU S					
79	622122601085	SIVAPRASATH P					
80	622122601086	SNEHA G					
81	622122601087	SNEHA M					
82	622122601088	SNEHA S					
83	622122601089	SNEHASRI S					
84	622122601090	SOWMIYA PRIYA S					
85	622122601091	SOWMIYA R					
86	622122601092	SRIDHARSON E M					
87	622122601093	SRINATH S					
88	622122601094	SUGISIVAM K					
89	622122601095	SWETHA D					
90	622122601096	TAMILZHALAGAN P					
91	622122601097	THETCHINAMOORTHY G					

92	622122601098	VARADHARAJAN M	/	/	/	/	/
93	622122601099	VASANTHKUMAR M	/	/	/	/	/
94	622122601100	VASANTHRAJ V	/	/	/	/	/
95	622122601101	VEERAKUMAR A	/	/	/	/	/
96	622122601102	VELMURUGAN K	/	/	/	/	/
97	622122601103	VELUMANI T	/	/	/	/	/
98	622122601104	VENKADESWARAN B	/	/	/	/	/
99	622122601106	VIJAYDHINAKARAN N P	/	/	/	/	/
100	622122601107	VIMALA V	/	/	/	/	/
101	622122601108	VISHNUPRIYA S	/	/	/	/	/
102	622122601109	VISHWA S	/	/	/	/	/

R. Deepika

Course Coordinator

R. DEEPIKA
(AP/MCA)

HoD/MCA

HEAD OF THE DEPARTMENT
Master of Computer Application
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NH-7, PACHAL (Po) Namakkal - 637 018

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637018

Department of MCA

CERTIFICATE OF PARTICIPATION

This is to certify that

Jeevitha.S

of **Paavai Engineering College,** studying in First Year has successfully completed the Value added Course **"C# AND .NET PROGRAMMING".** The duration of the course is 30 hours **(27.03.2023 TO 31.03.2023)**

Course Coordinator	HOD	Principal

PAAVAI ENGINEERING COLLEGE

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This is to certify that

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Course Coordinator	HOD	Principal

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Course Coordinator	HOD	Principal

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R. Deepika

Course Coordinator

HOD

Principal

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Department of MCA

CERTIFICATE OF PARTICIPATION

This is to certify that

Vishnupriya.S

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R. Deepika

Course Coordinator

HOD

Principal