

PAAVAI ENGINEERING COLLEGE - NAMAKKAL
(AUTONOMOUS)

Value Added Courses

2020 - 2021

DEPARTMENT OF AERONAUTICAL ENGINEERING



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

NDT-MAGNETIC PARTICLE TESTING

ABOUT THE COURSE:

Magnetic Particle Testing plays an important role in assuring the structural reliability of Mechanical components (ferrous) without altering the properties of the structure or Material

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 Aircraft NDT?

- It plays a major part in the aircraft industry
- It's a technology that's in development



Course Content:

- Introduction to
 - Magnetic Particle testing
 - Practices
 - Inspection

Date: 27.07.2020 to 31.07.2020

Venue:

Aero Engine lab,
Core Engineering Block
Paavai Engineering college

Course Incharge

❖ Mr. PRASANNA P AP/AERO



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 AERONAUTICAL ENGINEERING

DATE:21.07.2020

CIRCULAR

It is planned to conduct Five Days Value added Course on "NDT-MAGNETIC PARTICLE TESTING" for Third semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their name to the course coordinator PRASANNA P AP/AERO on or before 24.07.2020.

Course Co-ordinator:1. PRASANNA P AP/AERO

HOD/AERO

Copy to :

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20AEVC301

NDT-MAGNETIC PARTICLE TESTING

COURSE OBJECTIVES:

- ♦ To enable the students in detection of surface and also the shallow subsurface flaws in most of the ferromagnetic materials.

PROGRAMME CONTENT :

- ♦ Pre-cleaning the surface.
- ♦ Demagnetizing, if required.
- ♦ Sample is induced with a magnetic field.
- ♦ Application of magnetic particles on the sample.
- ♦ View and inspect the surface for the cluster formation to identify the defects.
- ♦ Demagnetizing the sample.
- ♦ Cleaning the surface
- ♦ Case study

TOTAL PERIODS-30

COURSE OUTCOMES:

By the end of this course, the students can able to:

- ♦ Carry out magnetic particle inspection.
- ♦ Write clear and concise inspection instructions and test reports.

TEXT BOOK & MANUALS:

<https://www.asnt.org/Store/ProductDetail?productKey=f229ff07-9b98-42d2-a40b-f8d4fe9156e2>



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic Year: 2020-2021

ATTENDANCE SHEET

YEAR / SEM :II/III

DATE:27.7.20

COURSE CODE & NAME:20AEVC301 &NDT-MAGNETIC PARTICLE TESTING

S.No	Reg Number	Name of the student	27.7.20	28.7.20	29.7.20	30.7.20	31.7.20
1	19101002	ARAVINDHAN.G	A	/	/	A	/
2	19101005	ASHWIN BARATH.M.J	/	/	/	/	/
3	19101006	ASWATH.J	/	/	/	/	/
4	19101007	BASKAR.S	/	A	/	/	/
5	19101008	BHARATHY.C	/	/	/	/	/
6	19101009	BHUVANESHWARAN.G	/	/	/	/	/
7	19101010	DHANAKODI.P	A	A	A	A	A
8	19101011	DHILEEPAN.M	/	/	/	/	/
9	19101013	EZHILARASAN.S	/	/	/	/	/
100	19101014	GOWTHAM.C	/	A	/	/	/
11	19101015	HARIHARAN.L	/	/	/	/	/
12	19101016	JEEVA KUMAR.M	A	/	/	A	/
13	19101017	JEEVANANDHAM.P	/	/	/	/	/
14	19101018	KARTHICK.G	/	/	/	/	/
15	19101019	MAHESH JOSEPH BESKY.A	A	A	A	A	A
16	19101020	MEYYAZHAGI.S	/	/	/	/	/
17	19101021	MOHAMED RASITH.S	/	/	/	/	/
18	19101022	MONESH.H	/	/	/	/	/
19	19101023	MORESHWARAN.A.C	/	/	/	/	/
20	19101024	MUTHUKUMAR.K	A	/	/	/	/
21	19101025	NAVINKUMAR.V	/	/	A	/	/
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	A	,	/	,	/
35	19101041	VETRIVELAN.M	,	,	/	,	/
36	19101042	VIGNESH.P	,	,	/	,	/
37	19101043	VIJAYSUNDHAR.V	,	/	/	,	/
38	19101044	VINITH SUBASH CHANDRA	,	/	/	/	/
39	19101045	VISHNU. S	,	/	/	/	/
40	19101046	VIVEK.M	,	/	/	/	/
41	19101047	YOGEASWAR.P	,	,	/	/	/
42	191013011	ABISHEK.S	/	,	/	/	/
			/	/	/	A	/

Jimma P
Course Coordinator

Pg
HOD/Aero



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

POOVARASAN.V

of Paavai Engineering College, studying in **SECOND** Year has successfully completed the
Value Added course on **NDT-MAGNETIC PARTICLE TESTING** from **27.07.2020** to **31.07.2020**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

SATHYA.M

of Paavai Engineering College, studying in **SECOND** Year has successfully completed the Value Added course on **NDT-MAGNETIC PARTICLE TESTING** from **27.07.2020 to 31.07.2020**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

SUJEETHA.G

of Paavai Engineering College, studying in **SECOND** Year has successfully completed the
Value Added course on **NDT-MAGNETIC PARTICLE TESTING** from **27.07.2020** to **31.07.2020**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

MORESHWARAN.A.C

of Paavai Engineering College, studying in **SECOND** Year has successfully completed the
Value Added course on **NDT-MAGNETIC PARTICLE TESTING** from **27.07.2020** to **31.07.2020**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

SANJAY.S

of Paavai Engineering College, studying in **SECOND** Year has successfully completed the
Value Added course on **NDT-MAGNETIC PARTICLE TESTING** from **27.07.2020** to **31.07.2020**.

A handwritten signature in black ink, appearing to be 'Suresh P'.

Course Incharge

A handwritten signature in black ink, appearing to be 'Raj'.

HOD

A handwritten signature in black ink, appearing to be 'Pm'.

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

DYE PENETRANT TESTING-NDI

ABOUT THE COURSE:

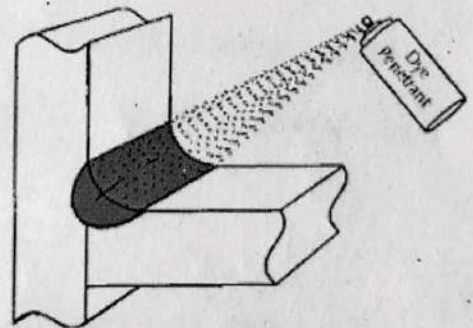
Dye Penetrant Testing (NDI) plays an important role in assuring that structural and mechanical components perform their function in a safe, reliable, and cost-effective manner.

Who Can Join?

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

Why Dye Penetrant Testing?

- Low cost inspection used to check surface breaking Effects
- Easily Identifying the surface cracks
- You have more job choices available to you



Course Content:

- Introduction to
 - Surface analysis
 - Particle Testing
 - Dye penetrant

Date: 01.02.2021 to 05.02.2021

Venue:

Aircraft structures repair lab,
Core Engineering Block
Paavai Engineering College

Course Incharge

1. NALLAPPAN AP/Aero, PEC



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(AUTONOMOUS)**

NAMAKKAL -637 018

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DEPARTMENT OF AERONAUTICAL ENGINEERING

DATE: 28.01.2021

CIRCULAR

It is planned to conduct Five Days Value added course on " DYE PENETRANT TESTING-NDI" for Fourth semester students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their name to the course coordinator **NALLAPPAN.R AP/AERO** on or before 30.01.2021.

Course Co-ordinator: 1. **NALLAPPAN.R AP/Aero**


HOD/AERO

Copy to :

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COURSE OBJECTIVES:

- ♦ To detect surface breaking flaws or discontinuities like cracks, laps, surface porosity, fractures etc

PROGRAMME CONTENT:

1. Physical Principles of the Test
2. Processing
3. Test Equipment and Materials
4. Codes, Standards, Procedures And Safety
5. Case Study

TOTAL PERIODS-30

COURSE OUTCOMES:

- ♦ By the end of this course, the students can able to:
 - ✓ Students will have the opportunity to use the various techniques on welds, castings and
 - ✓ Wrought products whilst gaining detailed theoretical and practical knowledge on all the commonly encountered penetrant testing techniques.

TEXT BOOK & MANUALS:

- https://www.iare.ac.in/sites/default/files/lecture_notes/IARE_NDT_LEC_TURE_NOTES.pdf



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic Year: 2020-2021

ATTENDANCE SHEET

YEAR / SEM : II/IV

DATE:01.02.21

COURSE CODE & NAME: 20AEVC401&DYE PENETRANT TESTING-NDI

S.No	Reg Number	Name of the student	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21
1	19101002	ARAVINDHAN.G	a	/	/	a	/
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	/	a	/	/	/
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	a	a	a	a	a
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	a	/	/	/	/
25	19101029	RAJESH.S	/	/	/	/	/
26	19101031	SANJAY.S	/	/	/	/	/
27	19101032	SATHYAM	/	/	/	/	/
28	19101033	SELVABHARATHI.A	/	/	/	a	/

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

R. Nagesh
Course Coordinator

P. S.
HOD/Aero



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

RAJESH.S

of Paavai Engineering College, studying in **SECOND** Year has successfully completed the
Value Added course on **DYE PENETRANT TESTING -NDI** from **01.02.2021** to **05.02.2021**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

GOWTHAM.C

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

Value Added course on **DYE PENETRANT TESTING -NDI** from **01.02.2021** to **05.02.2021**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

SUJEETHA.G

of Paavai Engineering College, studying in **SECOND** Year has successfully completed the
Value Added course on **DYE PENETRANT TESTING -NDI** from **01.02.2021** to **05.02.2021**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

MONESH.H

of Paavai Engineering College, studying in **SECOND** Year has successfully completed the
Value Added course on **DYE PENETRANT TESTING -NDI** from **01.02.2021** to **05.02.2021**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

MEYYAZHAGI.S

of Paavai Engineering College, studying in **SECOND** Year has successfully completed the
Value Added course on **DYE PENETRANT TESTING -NDI** from **01.02.2021** to **05.02.2021**.

A handwritten signature in black ink, appearing to be 'R. NG' followed by some illegible characters.

Course Incharge

A handwritten signature in black ink, appearing to be 'R. G.' followed by some illegible characters.

HOD

A handwritten signature in black ink, appearing to be 'P. M.' followed by some illegible characters.

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)
DEPARTMENT OF AERONAUTICAL ENGINEERING

INDUSTRY 4.0

ABOUT THE COURSE:

Industry 4.0 plays an important role in Identification, Sensing, Actuation & Control, Challenges Cyber-Physical Systems Concept, Features, Components, Impact on to Manufacturing Fundamentals of Cloud Manufacturing

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 Industry 4.0

- Learn how to use the
- Impact on to Manufacturing
- Fundamentals of Cloud Manufacturing

➤ Course Content:

- Introduction to Industry 4.0 Evolution
- Difference between conventional automation and Industry 4.0 - Definition of a smart factory
- Machine Learning laboratory
-

Date: 27.07.2020 to 31.07.2020

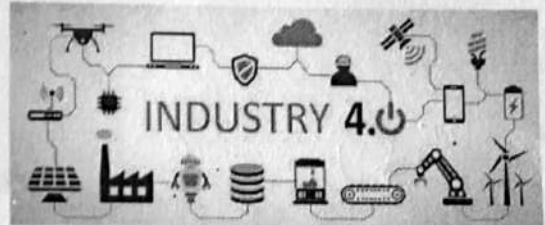
Venue:

CAD LAB

Core Engineering Block
Paavai Engineering College

Course Incharge

G. SASI AP/AERO





PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL -637 018

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DEPARTMENT OF AERONAUTICAL ENGINEERING

DATE: 21.07.2020

CIRCULAR

It is planned to conduct Five Value added course on "INDUSTRY 4.0" for Fifth semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their name to the course coordinator G.SASI AP/AERO on or before 24.07.2020.

Course Co-ordinator: 1. G.SASI AP/AERO


HOD/AERO

Copy to :

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COURSE OBJECTIVES:

- ❖ Manage and optimize all aspects of your manufacturing processes and supply chain.
- ❖ It gives you access to the real-time data and insights you need to make smarter, faster decisions about your business.

PROGRAMME CONTENT:

1. Introduction to Industry 4.0
2. Basic principles and technologies of a Smart Factory
3. Artificial intelligence
4. OPC-UA in Detail
5. Safety and Security in networked Production Environments

TOTAL PERIODS-30

COURSE OUTCOMES:

By the end of this course, the students can able to:

- ✓ Identify and seize opportunities to create value by exploring the social
- ✓ Develop several ideas to create value, including better solutions to existing and new challenges

TEXT BOOK & MANUALS:

- <https://link.springer.com/book/10.1007/978-1-4842-2047-4>

**DEPARTMENT OF AERONAUTICAL
ENGINEERING**

Academic Year: 2020-2021

ATTENDANCE SHEET

YEAR / SEM : III/V

DATE: 27.7.2020

COURSE CODE & NAME: 20AEVC501&INDUSTRY 4.0

S.No	Reg Number	Name of the student	27.7.20	28.7.20	29.7.20	30.7.20	31.7.20
1	18101002	ARAVINDH.C	AB	/	/	/	/
2	18101003	BALAJI.K	/	/	/	/	/
3	18101004	DAYA SRI.S	/	/	/	/	/
4	18101005	DEEPIKASRI.R	/	/	/	/	/
5	18101006	GOKUL VARDHAN.B	/	/	/	/	AB
6	18101007	GOKUL.M	/	/	/	/	/
7	18101008	HARIHARAN.N	/	/	/	/	/
8	18101009	HARIKRISHNAN.J	AB	AB	AB	AB	AB
9	18101010	JOESON.Y	AB	AB	AB	AB	AB
10	18101011	KAMALESHKUMAR.T	/	/	/	/	/
11	18101012	KEERTHI.S	/	/	/	/	/
12	18101013	KISHORE.S	/	/	/	/	/
13	18101014	MALATHIKA.M	/	/	/	/	/
14	18101015	MANIKANDAN.M	/	/	/	/	/
15	18101016	MANOJKUMAR.M	/	/	/	/	/
16	18101017	MATHIAZHAGAN.A	/	/	/	/	/
17	18101018	MEGANATHAN.M	/	/	/	/	/
18	18101019	MOHAMMED RIZWAN.M	AB	AB	AB	AB	AB
19	18101020	MUTHUKUMAR.G	/	/	/	/	/
20	18101021	NAVANEETHAN.T	/	/	/	/	/
21	18101022	NAVEENKUMAR.N	/	/	/	/	/
22	18101023	NETHAJI.A	/	/	/	/	/
23	18101025	PAPPANNAN.S	/	/	/	/	/
24	18101026	PRAKASH.A	/	/	/	/	/
25	18101027	PRAVEEN KUMAR.P	/	/	/	/	/
26	18101030	SARATHKUMAR.S	/	/	/	/	/
27	18101031	SARITHIRANAYAGAN.S	/	/	/	/	/
28	18101032	SATHISH KUMAR.S	/	/	/	AB	/
29	18101034	THIRUMAHALAKSHMI. K	/	/	/	/	/
30	18101035	VIJAYAKUMAR.C	/	/	/	/	/
31	18101301	JEEVA.R	AB	/	/	/	/

Course Coordinator

HOD/Aero



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

MUTHUKUMAR.G

of Paavai Engineering College, studying in **THIRD** Year has successfully completed the
Value Added course on **AIRCRAFT TECHNICAL PUBLICATIONS** from **27.07.2020** to **31.07.2020**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

MALATHIKA.M

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the
Value Added course on **AIRCRAFT TECHNICAL PUBLICATIONS** from **27.07.2020 to 31.07.2020**.

Course Incharge

HOD

Principal



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Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

DEEPIKASRI.R

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the
Value Added course on AIRCRAFT TECHNICAL PUBLICATIONS from 27.07.2020 to 31.07.2020.

A handwritten signature in black ink, appearing to be 'G. Srinivas', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'R. G.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

PRAVEEN KUMAR.P

of Paavai Engineering College, studying in **THIRD** Year has successfully completed the
Value Added course on **AIRCRAFT TECHNICAL PUBLICATIONS** from **27.07.2020** to **31.07.2020**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

KISHORE.M

of Paavai Engineering College, studying in **THIRD** Year has successfully completed the
Value Added course on **AIRCRAFT TECHNICAL PUBLICATIONS** from **27.07.2020** to **31.07.2020**.

Course Incharge

HOD

Principal



INTRODUCTION TO COMPOSITE REPAIR AND FABRICATION

ABOUT THE COURSE:

Composite materials play 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 strong in composites
- Out of box thinkers.

Need For Composite Repair and Fabrication

- Composite are now ruling everywhere in the world.
- Composites replaces most of the conventional materials

Course Content:

1. Introduction to Composite Materials
2. Topics in Composite Materials Engineering
3. Composites Manufacturing
4. Topics in Composite Materials Engineering

Date: 01.02.2021 to 05.02.2021

Venue:

Aircraft Structures Repair lab,
Core Engineering Block
Paavai Engineering College

Course Incharge

❖ Mr. GOKULNATH.K.,AP/AERO PEC

Manuals Offered:

- Manuals Offered:**
- Aircraft Maintenance Manual (AMM)
 - Illustrated Parts Catalog (IPC)
 - Wiring Diagram Manual (WDM)
 - Service Bulletins (SB)
 - Component Maintenance Manual (CMM)
 - Supplemental Maintenance Manual (SMM)
 - Supplemental Illustrated Parts Catalog (SIIPC)
 - Pilot Flight Manual
 - Tool and Equipment Manual
 - Grounding, Inspection and Repair Manual (GIRM)

Team Experience:

- Development of Maintenance Manual for Cockpit, Flight Control Systems, Landing Gear, Seats, Door and other Aircraft Interiors
- Creation/Revision of Aircraft Maintenance Manual, Illustrated Parts Catalog, Wiring Diagram Manual, Troubleshooting Manual
- Creation of Supplemental Maintenance Manual, Supplemental Illustrated Parts Catalog and Supplemental Wiring Diagram Manual





**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 AERONAUTICAL ENGINEERING

DATE: 28.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "Introduction to Composite Repair and Fabrication " for Sixth semester students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their name to the course coordinator **GOKULNATH .K AP/AERO** on or before 30.01.2021.

Course Co-ordinator: **GOKULNATH .K AP/AERO**

HOD/AERO

Copy to :

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21AEVC601 - INTRODUCTION TO COMPOSITE REPAIR AND FABRICATION

COURSE OBJECTIVES:

- ♦ Define and recognize raw materials,
- ♦ Properly handle components and parts,
- ♦ Implement all recognized common industry safety practices.

PROGRAMME CONTENT:

1. Introduction to Composite Materials
2. Topics in Composite Materials Engineering
3. Composites Manufacturing
4. Topics in Composite Materials Engineering
5. Polymer Processing
6. Mechanics of Composites
7. Mechanical Characterization Laboratory

TOTAL PERIODS-30

COURSE OUTCOMES:

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

- Observe and comply with shop safety procedures and environmental regulations related to composite fabrication.
- Recognize and safely use hand and power tools used in composite fabrication and repair.
- Explain the importance of proper storage for prepreg materials and adhesives to include regulatory compliance.

TEXT BOOK & MANUALS:

- <https://www.asa2fly.com/Essentials-of-Advanced-Composite-Fabrication-Repair-Second-Edition-eBook-PD-P4103C498.aspx>



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic Year: 2020-2021

ATTENDANCE SHEET

YEAR / SEM: III/VI

DATE: 01.02.21

COURSE CODE & NAME: 20AEVC601 & INTRODUCTION TO COMPOSITE REPAIR AND FABRICATION

S.No	Reg Number	Name of the student	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21
1	18101002	ARAVINDH.C	cr	/	/	/	/
2	18101003	BALAJI.K	/	/	/	/	/
3	18101004	DAYA SRI.S	/	/	/	/	/
4	18101005	DEEPIKASRI.R	/	/	/	/	/
5	18101006	GOKUL VARDHAN.B	/	/	/	/	/
6	18101007	GOKUL.M	/	/	/	/	/
7	18101008	HARIHARAN.N	/	cr	/	/	/
8	18101009	HARIKRISHNAN.J	/	/	/	/	/
9	18101010	JOESON.Y	/	/	/	/	/
10	18101011	KAMALESHKUMAR.T	/	/	/	/	/
11	18101012	KEERTHI.S	/	/	/	cr	/
12	18101013	KISHORE.S	/	/	/	/	/
13	18101014	MALATHIKA.M	/	/	/	/	/
14	18101015	MANIKANDAN.M	/	/	/	/	/
15	18101016	MANOJKUMAR.M	cr	cr	cr	cr	cr
16	18101017	MATHIYAZHAGAN.A	/	/	/	/	/
17	18101018	MEGANATHAN.M	/	/	/	/	/
18	18101019	MOHAMMED RIZWAN.M	/	/	/	/	/
19	18101020	MUTHUKUMAR.G	/	cr	/	/	/
20	18101021	NAVANEETHAN.T	/	/	/	/	/
21	18101022	NAVEENKUMAR.N	/	/	/	/	/
22	18101023	NETHAJI.A	/	/	/	/	/
23	18101025	PAPPANNAN.S	/	/	/	/	/
24	18101026	PRAKASH.A	/	/	/	cr	/
25	18101027	PRAVEEN KUMAR.P	/	/	/	/	/
26	18101030	SARATHKUMAR.S	/	/	/	/	/
27	18101031	SARITHIRANAYAGAN.S	/	/	/	/	/
28	18101032	SATHISH KUMAR.S	/	/	/	/	/
29	18101034	THIRUMAHALAKSHMI.	/	/	/	/	/
30	18101035	VIJAYAKUMAR.C	/	/	/	/	/
31	18101301	JEEVA.R	a	/	/	/	/

Course Coordinator

HOD/Aero



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

MEGANATHAN.M

of Paavai Engineering College, studying in **THIRD** Year has successfully completed the Value Added
Course on **INTRODUCTION TO COMPOSITE REPAIR & FABRICATION** from **01.02.2021 to 05.02.2021**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

MALATHIKA.M

of Paavai Engineering College, studying in **THIRD** Year has successfully completed the Value Added
Course on **INTRODUCTION TO COMPOSITE REPAIR & FABRICATION** from **01.02.2021 to 05.02.2021.**

A handwritten signature in black ink, appearing to be 'P. Ravi', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'R. J.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. R.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

NETHAJI.A

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the Value Added
Course on **INTRODUCTION TO COMPOSITE REPAIR & FABRICATION** from **01.02.2021 to 05.02.2021.**

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

THIRUMAHALAKSHMI.V

of Paavai Engineering College, studying in **THIRD** Year has successfully completed the Value Added
Course on **INTRODUCTION TO COMPOSITE REPAIR & FABRICATION** from **01.02.2021** to **05.02.2021**.

A handwritten signature in black ink, appearing to be 'R. S. S.', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'R. S. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

SARITHIRANAYAGAN.S

of Paavai Engineering College, studying in **THIRD** Year has successfully completed the Value Added Course on **INTRODUCTION TO COMPOSITE REPAIR & FABRICATION** from **01.02.2021** to **05.02.2021**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING
DESIGN THINKING

ABOUT THE COURSE:

Design thinking plays an important role in discover the key to business success in the age of disruption. Learn how to use the five-step design methodology to create customer-centric products.

Who Can Join?

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

Why Design Thinking?

- Learn how to use the five-step design methodology to create customer-centric products



Course Content:

- Introduction to Design Thinking
- Empathize Phase: Customer Journey Mapping
- Ideation: Free Brainstorming & Make/Test Phase Prototype

Date: 27.07.2020 to 31.07.2020

Venue:

CAD Lab

Core Engineering Block
Paavai Engineering College

Course Incharge

❖ NALLAPPAN AP/Aero, PEC



**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 AERONAUTICAL ENGINEERING

DATE: 21.07.2020

CIRCULAR

It is planned to conduct Five Value added course on "DESIGN THINKING " for Seventh semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their name to the course coordinator NALLAPPAN.RAP/AERO on or before 24.07.2020.

Course Co-ordinator: 1. NALLAPPAN AP/Aero

HOD/AERO

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20AEVC701

DESIGN THINKING

COURSE OBJECTIVES:

- To expose the students to the design process as a tool for innovation.
- To develop students' professional skills in client management and communication

PROGRAMME CONTENT:

1. Introduction to Design Thinking
2. Introduction to Design Research Strategies
3. Business or Systems Design
4. Visualizing ideas
5. Final Presentations

TOTAL PERIODS-30

COURSE OUTCOMES:

By the end of this course, the students can able to:

- ✓ Understand the concepts of design thinking approaches.
- ✓ Create design thinking teams and conduct design thinking sessions.
- Apply both critical thinking

TEXT BOOK & MANUALS:

- <https://www.ideo.com/blogs/inspiration/ideo-design-thinking-book-recommendations>



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic Year: 2020-2021

ATTENDANCE SHEET

YEAR / SEM :IV/VII

DATE:27.7.2020

COURSE CODE & NAME: 20AEVC701&DESIGN THINKING

S.No	Reg Number	Name of the student	27.7.20	28.7.20	29.7.20	30.7.20	31.7.20
1.	17101001	ABURVA.A	AB	/	/	/	/
2.	17101002	AJITHKUMAR.A	/	/	/	AB	/
3.	17101003	AKALYA.S	/	/	/	/	/
4.	17101004	AKASH.E	/	/	/	/	/
5.	17101006	ARUNKUMAR.S	/	/	/	/	/
6.	17101007	ARUN SANKAR.M	/	/	/	/	/
7.	17101009	CHINNAIYAN.S	/	/	/	/	/
8.	17101010	DHIVYA.C	AB	AB	AB	AB	AB
9.	17101011	DINESHKUMAR.P	/	/	/	/	/
10.	17101012	GOKUL.G	/	/	/	/	/
11.	17101013	GOKUL.R	/	/	AB	/	/
12.	17101015	GOWTHAM.K	/	/	/	/	/
13.	17101017	HAJA NAJIBUDEEN.M	/	/	/	/	/
14.	17101018	HARISH.M	/	/	/	/	/
15.	17101020	JAYAPRAKASH.P	/	/	/	AB	/
16.	17101021	JEEVA.A	/	/	/	/	/
17.	17101022	JEEVA.M	AB	AB	AB	AB	AB
18.	17101023	KARTHIK.K	/	/	/	/	/
19.	17101024	MADHAVAN.M	/	/	/	/	/
20.	17101025	MADHAVAN.S	/	/	/	/	/
21.	17101026	MANIMARAN.V	/	/	/	/	/
22.	17101027	MANJUNATH.J	/	/	/	/	/
23.	17101028	MANOJ KUMAR.M	/	/	/	/	/
24.	17101029	MIDHUNESH.E	AB	/	/	/	/
25.	17101031	MOHANRAJ.R	/	/	/	/	/
26.	17101032	NARENDHIRAN.N	/	/	/	/	/
27.	17101033	PRAMMASUDHAN.C	/	/	/	/	/

28.	17101034	PRASANTH.B	AB	/	/	/	/
29.	17101035	PRAVEEN.J	/	/	/	/	/
30.	17101036	PRAVEENKUMAR.A	/	AB	AB	/	AB
31.	17101037	PREETHI.R	/	/	/	/	/
32.	17101038	PRIYADHARSAN.P	/	/	/	/	/
33.	17101039	RAJAPANANTHAN.T	/	/	/	/	/
34.	17101040	RAVIKUMAR.K	/	/	/	/	/
35.	17101041	RIYAS AHAMATH.S	/	/	/	/	/
36.	17101045	SILAMBARASAN.S.M	/	AB	/	/	/
37.	17101047	SRI SANTHOSH KUMAR.G	/	/	/	/	/
38.	17101048	SRISABAREESHWARAN.P	AB	/	/	/	/
39.	17101049	SURENDRAN.S	/	/	/	/	/
40.	17101050	SURIYA PRAKASH.M	/	/	/	/	/
41.	17101052	TAMILSELVAN.D	/	/	/	/	/
42.	17101054	VAISHNAVI.K	/	/	/	/	/
43.	17101055	VASU.A.K	/	/	/	/	/
44.	17101057	VIGNESH.C	/	/	/	AB	/
45.	17101059	YASHWANTH BHARATH.K	/	/	/	/	/
46.	17101060	YUVARAJ.R	/	/	/	/	/
47.	17101301	GOUTHAM.D.A	/	/	/	/	/
48.	17101503	DINO BRITTO S	/	/	/	/	/

R. N. Chay 2
Course Coordinator

P2
HOD/Aero



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

VAISHNAVI.K

of Paavai Engineering College, studying in FINAL Year has successfully completed the
Value Added course on DESIGN THINKING from 27.07.2020 to 31.07.2020.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

MADHAVAN.S

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

Value Added course on **DESIGN THINKING** from **27.07.2020** to **31.07.2020**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

JAYAPRAKASH.P

of Paavai Engineering College, studying in **FINAL** Year has successfully completed the
Value Added course on **DESIGN THINKING** from **27.07.2020** to **31.07.2020**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

GOWTHAM.K

of Paavai Engineering College, studying in **FINAL** Year has successfully completed the
Value Added course on **DESIGN THINKING** from **27.07.2020** to **31.07.2020**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

PRIYADHARSAN.P

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

Value Added course on **DESIGN THINKiNG** from **27.07.2020** to **31.07.2020**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

Aircraft Technical Publications

ABOUT THE COURSE:

Aircraft Technical publications 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 Technical writers
- Out of box thinkers.

Need For Technical Publication

- Technical publications contain information, such as airworthiness
- Technical publications can trigger maintenance events and affect work planning forecasts.

Course Content:

- Identifying details
- Affected aircraft
- Maintenance plans, which include task cards and job cards for implementing work requirements
- Status or method of compliance of each affected aircraft
- Related technical publications

Date: 01.02.2021 to 05.02.2021

Venue:

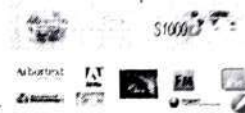
Computer lab,
Core Engineering Block
Paavai Engineering College

Course Incharge

❖ Mr. G.SASI ,AP/AERO PEC

Manuals Offered:

- Aircraft Maintenance Manual (AMM)
- Illustrated Parts Catalog (IPC)
- Wiring Diagram Manual (WDM)
- Service Bulletin (SB)
- Component Maintenance Manual (CMM)
- Supplemental Maintenance Manual (SMR)
- Supplemental Illustrated Parts Catalog (SIPC)
- Pilot/Flight Manual
- Tool and Equipment Manual
- Cleaning Inspection and Repair Manual (CIRP)



Team Experience:

- Component Maintenance Manual for Galley, Flight Control Systems, Landing Gear, Seats, Door and other Aircraft Interiors
- Creation/Revision of Aircraft Maintenance Manual, Illustrated Parts Catalog, Wiring Diagram Manual, Troubleshooting Manual
- Creation of Supplemental Maintenance Manual, Supplemental Illustrated Parts Catalog and Supplemental Wiring Diagram Manual





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 AERONAUTICAL ENGINEERING

DATE: 28.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "Aircraft Technical Publications" for Eighth semester students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their name to the course coordinator **G.SASI** „AP/AERO on or before 30.01.2021.

Course Co-ordinator: **1.G.SASI „AP/AERO**

HOD/AERO

Copy to :

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20AEVC801

AIRCRAFT TECHNICAL PUBLICATION

COURSE OBJECTIVES:

- ♦ To be an excellent and lucrative field, especially for fresher graduates to begin the step forward in their respective career.
- ♦ To begin the step forward in their respective career.

PROGRAMME CONTENT:

1. Aerospace Technical Publications introduction.
2. Creation, update and publication of different types of user manual
3. Specific types of manuals covering aircraft maintenance
4. Procedures and component maintenance procedures
4. Parts catalogue and structural repair

TOTAL PERIODS-30

COURSE OUTCOMES:

By the end of this course, the students can able to:

- ✓ Learn how to publish papers and their procedures.
- ✓ Understand project values and their benefits in job.

TEXT BOOK & MANUALS:

- <https://www.emeraldgrouppublishing.com/journal/aeat>



ANNA ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic Year: 2020-2021

ATTENDANCE SHEET

YEAR / SEM :IV/VIII

COURSE CODE & NAME: 20AEVC801&AIRCRAFT TECHNICAL PUBLICATIONS

DATE:01.02.21

S.No	Reg Number	Name of the student	01.2.21	02.2.21	03.2.21	04.2.21	05.2.21
1.	17101001	ABURVA.A					
2.	17101002	AJITHKUMAR.A	a	/	/	a	/
3.	17101003	AKALYA.S	/	/	/	/	/
4.	17101004	AKASH.E	/	/	/	/	/
5.	17101006	ARUNKUMAR.S	/	a	/	/	/
6.	17101007	ARUN SANKAR.M	/	/	/	/	/
7.	17101009	CHINNAIYAN.S	/	/	/	/	/
8.	17101010	DHIVYA.C	/	/	/	/	/
9.	17101011	DINESHKUMAR.P	/	/	/	/	/
10.	17101012	GOKUL.G	a	a	a	a	a
11.	17101013	GOKUL.R	/	/	/	/	/
12.	17101015	GOWTHAM.K	/	/	/	/	/
13.	17101017	HAJA NAJIBUDEEN.M	/	/	/	a	/
14.	17101018	HARISH.M	a	/	/	/	/
15.	17101020	JAYAPRAKASH.P	/	/	/	/	/
16.	17101021	JEEVA.A	/	/	/	/	/
17.	17101022	JEEVA.M	/	/	/	/	/
18.	17101023	KARTHIK.K	/	a	/	/	/
19.	17101024	MADHAVAN.M	/	/	/	/	/
20.	17101025	MADHAVAN.S	/	/	/	/	/
21.	17101026	MANIMARAN.V	/	/	/	/	/
22.	17101027	MANJUNATH.J	/	/	/	/	/
23.	17101028	MANOJ KUMAR.M	a	/	/	/	/
24.	17101029	MIDHUNESH.E	/	/	/	/	/
25.	17101031	MOHANRAJ.R	/	/	/	/	a
26.	17101032	NARENDHIRAN.N	/	/	/	a	/

27.	17101033	PRAMMASUDHAN.C	/	/	/	a	/
28.	17101034	PRASANTH.B	a	/	/	/	/
29.	17101035	PRAVEEN.J	/	/	/	/	/
30.	17101036	PRAVEENKUMAR.A	/	/	/	/	/
31.	17101037	PREETHI.R	/	/	/	/	/
32.	17101038	PRIYADHARSAN.P	/	/	/	/	/
33.	17101039	RAJAPANANTHAN.T	/	a	/	/	/
34.	17101040	RAVIKUMAR.K	/	/	/	/	/
35.	17101041	RIYAS AHAMATH.S	/	/	/	/	/
36.	17101045	SILAMBARASAN.S.M	/	/	/	/	/
37.	17101047	SRI SANTHOSH KUMAR.G	/	/	/	/	/
38.	17101048	SRISABAREESHWARAN.P	a	/	/	a	/
39.	17101049	SURENDRAN.S	/	/	/	/	/
40.	17101050	SURIYA PRAKASH.M	/	/	/	/	/
41.	17101052	TAMILSELVAN.D	/	/	/	/	/
42.	17101054	VAISHNAVI.K	/	a	/	/	/
43.	17101055	VASU.A.K	/	/	/	/	/
44.	17101057	VIGNESH.C	/	/	/	/	/
45.	17101059	YASHWANTH BHARATH.K	/	/	/	/	/
46.	17101060	YUVARAJ.R	/	/	/	a	/
47.	17101301	GOUTHAM.D.A	/	/	/	/	/
48.	17101503	DINO BRITTO S	a	/	/	/	/

G. Puj
Course Coordinator

Pg
HOD/Aero



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

PREETHI.R

of Paavai Engineering College, studying in **FINAL** Year has successfully completed the
Value Added course on **AIRCRAFT TECHNICAL PUBLICATIONS** from **01.02.2021** to **05.02.2021**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

PRAVEEN.J

of Paavai Engineering College, studying in **FINAL** Year has successfully completed the
Value Added course on **AIRCRAFT TECHNICAL PUBLICATIONS** from **01.02.2021** to **05.02.2021**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

RAVIKUMAR.K

of Paavai Engineering College, studying in **FINAL** Year has successfully completed the
Value Added course on **AIRCRAFT TECHNICAL PUBLICATIONS** from **01.02.2021** to **05.02.2021**.

A handwritten signature in black ink, appearing to be 'G. Srinivasan', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'R. G.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. N.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

SRI SANTHOSHKUMAR.G

of Paavai Engineering College, studying in **FINAL** Year has successfully completed the
Value Added course on **AIRCRAFT TECHNICAL PUBLICATIONS** from **01.02.2021** to **05.02.2021**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

HARISH.M

of Paavai Engineering College, studying in **FINAL** Year has successfully completed the
Value Added course on **AIRCRAFT TECHNICAL PUBLICATIONS** from **01.02.2021** to **05.02.2021**.

Course Incharge

HOD

Principal

DEPARTMENT OF AGRICULTURE ENGINEERING

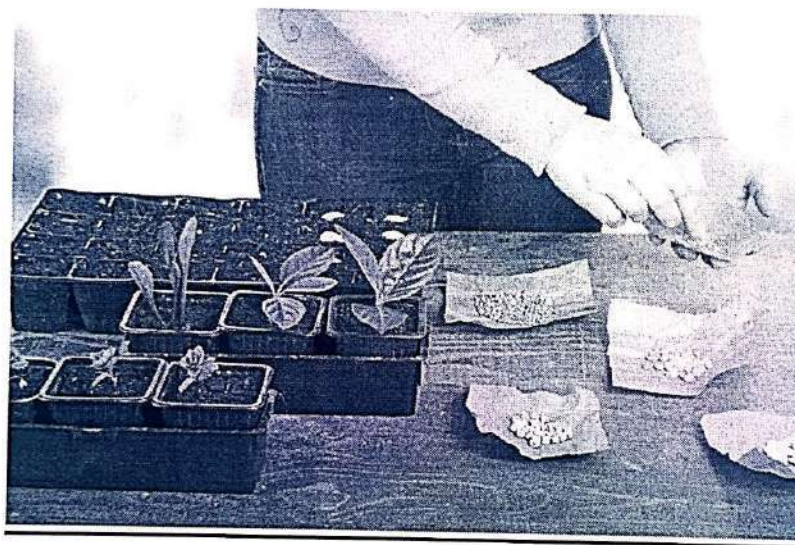
PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AGRICULTURE ENGINEERING

Value Added Course

AI20VC001 PRINCIPLE OF PLANT PROPAGATION



Course Content:

- To make the students learn different methods of plant propagation
- To impart knowledge on nursery management of various horticultural crops
- To make them familiarize with the tools and implements essential for all horticultural operation

Date: 08.02.2021 to 12.02.2021

Venue: T319

COURSE INCHARGE:

1. Dr .A. VIVEKANANDHINI, HOD/AGRI
2. A. MEIGNANAMOORTHY AP/AGRI



**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 AGRICULTURE ENGINEERING

DATE: 05.02.2021

CIRCULAR

It is planned to conduct **Five Days Training Course** on "**PRINCIPLE OF PLANT PROPAGATION**" for Third semester students from 08.02.2021 to 12.02.2021. The interested students are asked to enroll their name to the course incharge **A. MEIGNANAMOORTHY AP/AGRI** on or before 08.02.2021 (Spot registration can also be permitted).

Course Incharge:

1. Dr .A. VIVEKANANDHINI, HOD/AGRI
2. A. MEIGNANAMOORTHY AP/AGRI

A. Vind
HOD/AGRI

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AI20VC001

Principle of Plant Propagation

course objectives

To enable the students to

- To make the students learn different methods of plant propagation
- To impart knowledge on nursery management of various horticultural crops.
- To make them familiarize with the tools and implements essential for all horticultural operations.

UNIT I

Botany of horticultural plants – life cycle – habit – basic physiological functions – role of nutrients – plant growth regulators - factors affecting growth and development –classification of Horticultural crops .

UNIT II

Collection of seeds- methods of extraction of seeds – methods of seed storage -advantages and disadvantages of seed propagation – seed germination – types of seed germination - seedling growth - dormancy – methods to overcome dormancy – seed viability- seed longevity –seed testing types of nursery – methods of raising nursery.

UNIT III

Media for propagation – potting mixture preparation- containers – potting – depotting – repotting- tools and implements - vegetative propagation – types of vegetative propagation- advantages and disadvantages of vegetative propagation- types of cuttings – types of layering – hormonal treatments for rooting. Grafting – root stock – scion – raising of root stocks – pre-curing of scion – methods of grafting – budding – bud wood – propagation by specialized plant parts - tissue culture techniques – hardening - propagation structures – mist chamber - shade house

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Acquire knowledge on nursery management of various horticultural crops.

- Learned about the tools and implements essential for all horticultural operations.

TEXT BOOKS

1. Peter, K.V. S. Rajan and Baby Lissy Markose. 2007.
2. Reddy, Y.T.N., T. Janakiram and D. Satyanarayana Reddy. 2001. Scientific Nursery Management. The House of Sarpan (Media), Bangalore.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF AGRICULTURE ENGINEERING

Academic Year: 2020-2021

Value added course

Attendance sheet

Year/Semester: III/III

Name of the course: Principle of plant propagation

S.No	Reg. No	Name	08.02.2021	09.02.2021	10.02.2021	11.02.2021	12.02.2021
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	/	/	/	/	/
42	19102046	HARISH.D	/	/	/	/	/
43	19102047	HARIVARMA.S	/	/	/	/	/
44	19102048	HEMA.A	/	/	/	/	/
45	19102049	HEMANTHRAJ.K	/	/	/	/	/
46	19102050	HOSEMINRAJA.G	/	/	/	/	/
47	19102051	ISHAGOPIKA.R	/	/	/	/	/
48	19102052	ISWARYA.V	/	/	/	/	/
49	19102053	JAGANATHAN.K	/	/	/	/	/
50	19102054	JANANIRAI.T	/	/	/	/	/
51	19102055	JAWAHAR.G	/	/	/	/	/
52	19102056	JAYAGOPITHAN.G	/	/	/	/	/
53	19102057	JAYAPRAKASH.R	/	/	/	/	/
54	19102058	JAYASHREE.R	/	/	/	/	/
55	19102060	KEERTHANA.N	a	a	a	a	a
56	19102061	KIRUBALINI.J	/	/	/	/	/
57	19102062	KOWSALYA P	/	/	/	/	/
58	19102063	LAVANYA.C	/	/	/	/	/
59	19102064	MAHALAKSHMI.D	/	/	/	/	/
60	19102065	MAHESWARAN.C	/	/	/	/	/

61	19102066	MANGAIYARKARASI.M	/	/	/	/	/
62	19102067	MEGHA.J.S	/	/	/	/	/
63	19102068	MENAKA.M	/	/	/	/	/
64	19102069	NAGILAN.V	/	/	/	/	/
65	19102070	NAVEEN.B	/	/	/	/	/
66	19102071	NITHEESHKUMAR.C	/	/	/	/	/
67	19102072	NIXIA.S	/	/	/	/	/
68	19102073	PANNEER SELVAM.B	/	/	/	/	/
69	19102074	PARASURAMAN.M	/	/	/	/	/
70	19102075	PAUL ANTONY.Y	/	/	/	/	/
71	19102076	PAVITHRA.S	/	/	/	/	/
72	19102077	POOVARASI.S	/	/	/	/	/
73	19102079	PRASATH.S.V	/	/	/	/	/
74	19102080	PRAVEEN RAJE	/	/	/	/	/
75	19102081	PRAVEEN.E	/	/	/	/	/
76	19102082	PRAVEENRAJ P	/	/	/	/	/
77	19102084	RAGHUL.P	/	/	/	/	/
78	19102085	RAGUL.S	/	/	/	/	/
79	19102086	RAJA.C	/	/	/	/	/
80	19102087	RANJITHKUMAR.M	/	/	/	/	/
81	19102088	RITHIKA.P	/	/	/	/	/
82	19102089	RIYA.K	/	/	/	/	/
83	19102090	SAIFULLA	/	/	/	/	/

84	19102091	SAMITHA.R	/	/	/	/	/
85	19102092	SANJAY.S	/	/	/	/	/
86	19102093	SANTHIYA.V	/	/	/	/	/
87	19102094	SANTHOSH.T	/	/	/	/	/
88	19102095	SASIKABILAN.S	/	/	/	/	/
89	19102097	SELVAKUMAR.S	/	/	/	/	/
90	19102098	SHALINI.M.P	/	/	/	/	/
91	19102099	SIVASAKTHI.S	/	/	/	/	/
92	19102100	SNEHA.P	/	/	/	/	/
93	19102101	SOWMIYA PRAGADEESWARI.G	/	/	/	/	/
94	19102102	SOWNDHARYA.S.S	/	/	/	/	/
95	19102103	SRIRAM.J	/	/	/	/	/
96	19102104	STALIN.V	/	/	/	/	/
97	19102105	STELLA.K	/	/	/	/	/
98	19102106	SUBALAKSHMI.S	/	/	/	/	/
99	19102107	SUBASREE.T.V	/	/	/	/	/
100	19102108	SUDARSUN.S	/	/	/	/	/
101	19102109	SUNDAR.G	/	/	/	/	/
102	19102110	SUPRIYA.M	/	/	/	/	/
103	19102111	SURIYAPERUMAL.S	/	/	/	/	/
104	19102112	SURYA.P	/	/	/	/	/
105	19102113	SWETHA.S	/	/	/	/	/
106	19102114	THANEKAIVEL.K	/	/	/	/	/

107	19102115	THARAKESH.T	/	/	/	/	/
108	19102116	THENMOZHI.D	/	/	/	/	/
109	19102117	UTHAYA KUMAR.R	/	/	/	/	/
110	19102118	VAISHNAVI.G	/	/	/	/	/
111	19102119	VAISHNAVI.R	/	/	/	/	/
112	19102120	VENGADESAN.E	/	/	/	/	/
113	19102121	VIGNESHWARAN.U	/	/	/	/	/
114	19102122	VINAYAK.M	/	/	/	/	/
115	19102123	VISHNUSHREE.T.S	/	/	/	/	/
116	19102124	YATHAVAKRISHNAN.M	/	/	/	/	/
117	19102125	YOGALAKSHMI.P	/	/	/	/	/
118	19102126	YUKESHWARAN.K	/	/	/	/	/
119	19102501	HARIHARAN.G.V	/	/	/	/	/
120	19102502	YOUGESHRAGAVAN	/	/	/	/	/
121	19102301	ANBARASU	/	/	/	/	/


Course Incharge


HOD/Agri



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

HEMA A

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added Course "**PRINCIPLE OF PLANT PROPAGATION**" The duration of the course is 30 hours from **08.02.2021** to **12.02.2021**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

ARTHI R

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added

Course "**PRINCIPLE OF PLANT PROPAGATION**" The duration of the course is 30 hours from

08.02.2021 to 12.02.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

ARYA T.T

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added

Course "PRINCIPIEN OF PLANT PROPAGATION " The duration of the course is 30 hours from

08.02.2021 to 12.02.2021.

Course Incharge

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AGRICULTURE ENGINEERING

Value Added Course

AI20VC002 PLANTING DESIGN



Course Content:

- To introduce knowledge about the various aspects of designing plants.
- To emphasizes on the applications of planting design in the practice.

Date : 08.02.2021 to 12.02.2021

Venue: T319

COURSE INCHARGE

1. Dr.A.VIVEKANANDHINI HOD/AGRI
2. M. BHUVANESWARI AP/AGRI



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

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

DEPARTMENT OF AGRICULTURE ENGINEERING

DATE: 05.02.2021

CIRCULAR

It is planned to conduct **Five Days Training Course** on "**PLANTING DESIGN**" for Fifth semester students from 08.02.2021 to 12.02.2021. The interested students are asked to enroll their name to the course incharge **M.BHUVANESWARI AP/AGRI** on or before 08.02.2021. (Spot registration can also be permitted).

COURSE INCHARGE:

1. Dr .A. VIVEKANANDHINI, HOD/AGRI
2. M.BHUVANESWARI AP/AGRI


HOD/AGRI

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF AGRICULTURE ENGINEERING

Academic Year: 2020-2021

Value added course

Attendance sheet

Year/Semester: IV/V

Name of the course: Plant design

S.No	Reg. No	Name	08.02.2021	09.02.2021	10.02.2021	11.02.2021	12.02.2021
1	18102001	M.ABINAYA	/	/	/	/	/
2	18102002	M. ABISHEK	/	/	/	/	/
3	18102003	ADHI KESAVAN M	/	/	/	/	/
4	18102004	AJAI I	/	/	/	/	/
5	18102006	R.ANANDHI	/	/	/	/	/
6	18102008	ANNES FATIMA.A	/	/	/	/	/
7	18102009	ASHOK KUMAR.C	/	/	/	/	/
8	18102010	M. ASHOK	/	/	/	/	/
9	18102011	AYYAPPAA S	/	/	/	/	/
10	18102012	A.AZHAGU KANNAN	/	/	/	/	/
11	18102013	N.BABY SURUTHI	/	/	/	/	/
12	18102014	BHARANI S	/	/	/	/	/
13	18102015	BHARATH KUMAR.T	/	/	/	/	/
14	18102016	CHANDRU. S	/	/	/	/	/


15	18102018	DHARSHINI B	/	/	/	/	/
16	18102019	DHARSHINI M	/	/	/	/	/
17	18102020	DHAYANI M	/	/	/	/	/
18	18102021	G. DHIVYA KULKARANI	/	/	/	/	/
19	18102022	DINESH.P	/	/	/	/	/
20	18102023	S.ELUMALAI	/	/	/	/	/
21	18102024	FELIX BHARATHI.A	/	/	/	/	/
22	18102025	K. GAYATHRI	/	/	/	/	/
23	18102026	GOKULMURUGAN. R	/	/	/	/	/
24	18102027	M.GOKULRAJ	/	/	/	/	/
25	18102028	GOMATHI.R	/	/	/	/	/
26	18102029	G.HARIHARAN	/	/	/	/	/
27	18102030	HARIHARAN S	/	/	/	/	/
28	18102031	<u>HARITHA.SK</u>	/	/	/	/	/
29	18102032	R.HEMALATHA	/	/	/	/	/
30	18102033	F.K.IRFANN	/	/	/	/	/
31	18102034	E.JENIFER AISWARYA	/	/	/	/	/
32	18102035	JOTHIKA.K	/	/	/	/	/
33	18102036	N.KANISHKA	/	/	/	/	/
34	18102037	V.P.KARTHIKA	/	/	/	/	/
35	18102038	G.R.KATHIRAVAN	/	/	/	/	/
36	18102039	A.KAVITHA	/	/	/	/	/
37	18102040	M.KAVIYA	/	/	/	/	/

38	18102041	M. KAVIYA	/	/	/	/	/
39	18102042	KEERTHANA.K	/	/	/	/	/
40	18102043	R.KEERTHANA	/	/	/	/	/
41	18102045	K. S. KISHOREKUMAR	/	/	/	/	/
42	18102046	G.KOHILA	/	/	/	/	/
43	18102047	K. LAVANYA	/	/	/	/	/
44	18102048	D. LEEDIAL SONOMEYA	/	/	/	/	/
45	18102049	LOGESWARAN. S	/	/	/	/	/
46	18102050	R.LOSHINI	/	/	/	/	/
47	18102051	S. MADHUMISHA	/	/	/	/	/
48	18102052	B.MANIGANDAN	/	/	/	/	/
49	18102053	S.MANJU	/	/	/	/	/
50	18102054	MANOJ KUMAR. P	/	/	/	/	/
51	18102055	M.MARI SELVAM	/	/	/	/	/
52	18102056	V. MATHUMITHA	/	/	/	/	/
53	18102057	S.MOHAMED IRFAN	/	/	/	/	/
54	18102058	S.MOHANA	/	/	/	/	/
55	18102059	S.MONISHA	/	/	/	/	/
56	18102122	U.BHARATHI	/	/	/	/	/
57	18102301	ABITHA.T	/	/	/	/	/
58	18102061	P.MUKESH	/	/	/	/	/
59	18102062	V.MULLAIVENDHAN	/	/	/	/	/
60	18102063	NANDHINI K	/	/	/	/	/

61	18102064	NAVEEN KUMAR D	/	/	/	/	/
62	18102065	R.NAVEEN	/	/	/	/	/
63	18102066	NAVEENKUMAR.R	/	/	/	/	/
64	18102067	G. NETHAJI	/	/	/	/	/
65	18102068	NITHYANANDAM.S	/	/	/	/	/
66	18102069	K.NITHYANANDHAM	/	/	/	/	/
67	18102071	S.NIVETHA	/	/		/	/
68	18102072	B.NIVETHITHA	a	a	a	a	e
69	18102073	S. PADHMASHRE	/	/	/	/	/
70	18102074	M.PAPITHA	/	/	/	/	/
71	18102075	G.PARTHASARATHI	/	/	/	/	/
72	18102076	PASUMATHI. C	/	/	/	/	/
73	18102077	POOVARASAN R	/	/	/	/	/
74	18102078	PRAVEEN K	/	/	/	/	/
75	18102079	G.PRIYADHARSHINI	/	/	/	/	/
76	18102080	RAJA VP	/	/	/	/	/
77	18102081	G.RAJESHKANNAN	/	/	/	/	/
78	18102082	RAMESHKANNA.C	/	/	/	/	/
79	18102083	RISHWANTH.M.K	/	/	/	/	/
80	18102084	G SABARI	a	a	a	a	a
81	18102085	SAHAYA SHAMLET.J	/	/	/	/	/
82	18102086	N.SANKARA GURUNATHAN	/	/	/	/	/

83	18102087	C.SANTHIYA	/	/	/	/	/
84	18102088	M. SANTHIYA	/	/	/	/	/
85	18102089	D.SANTHOSH	/	/	/	/	/
86	18102091	SATHIYA.R	/	/	/	/	/
87	18102092	R. SHALINI	/	/	/	/	/
88	18102093	SHIBI.A.K	/	/	/	/	/
89	18102094	S.SILAMBARASAN	/	/	/	/	/
90	18102095	A.SIRAJUDEEN	/	/	/	/	/
91	18102096	S.SIVANESAN	/	/	/	/	/
92	18102098	M.SOWNDHARARAJAN	/	/	/	/	/
93	18102099	M. SRI BHAVANI	/	/	/	/	/
94	18102100	SRISARAN.B.S	/	/	/	/	/
95	18102101	STANLEYDURAI S	/	/	/	/	/
96	18102102	SUFAIL SP	/	/	/	/	/
97	18102103	K. SURYA	/	/	/	/	/
98	18102104	R.SUSHMITHA	/	/	/	/	/
99	18102105	SUTHAKAR.M	/	/	/	/	/
100	18102106	R.SUTHARSAN	/	/	/	/	/
101	18102108	K.V.THRIVENI	/	/	/	/	/
102	18102109	VAISHNAVI.N	/	/	/	/	/
103	18102110	VEDALAKSHMI S	/	/	/	/	/
104	18102111	G.VENKATESH	/	/	/	/	/
105	18102112	S.VINISHA	/	/	/	/	/

106	18102113	M.VINODHINI	/	/	/	/	/
107	18102114	P. WILSON ANDREWS	/	/	/	/	/
108	18102115	YAMINI.G	/	/	/	/	/
109	18102116	N.P.YOGAISWARYA	/	/	/	/	/
110	18102118	M.YOGAVELAN.	/	/	/	/	/
111	18102119	YOGESHWARAN.T	/	/	/	/	/
112	18102121	A.M.YUVAJEYSHREE	/	/	/	/	/
113	18102302	S.SARAVANAKUMAR	/	/	/	/	/


Course Incharge


HOD/Agri



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

M.KAVIYA

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added

Course "**PLANT DESIGN**" The duration of the course is 30 hours from 08.02.2021 to 12.02.2021.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

M.ABINAYA

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added
Course "**PLANT DESIGN**" The duration of the course is 30 hours from 08.02.2021 to 12.02.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

ABITHA T

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added

Course "**PLANT DESIGN**" The duration of the course is 30 hours from 08.02.2021 to 12.02.2021.

Course Incharge

HOD

Principal

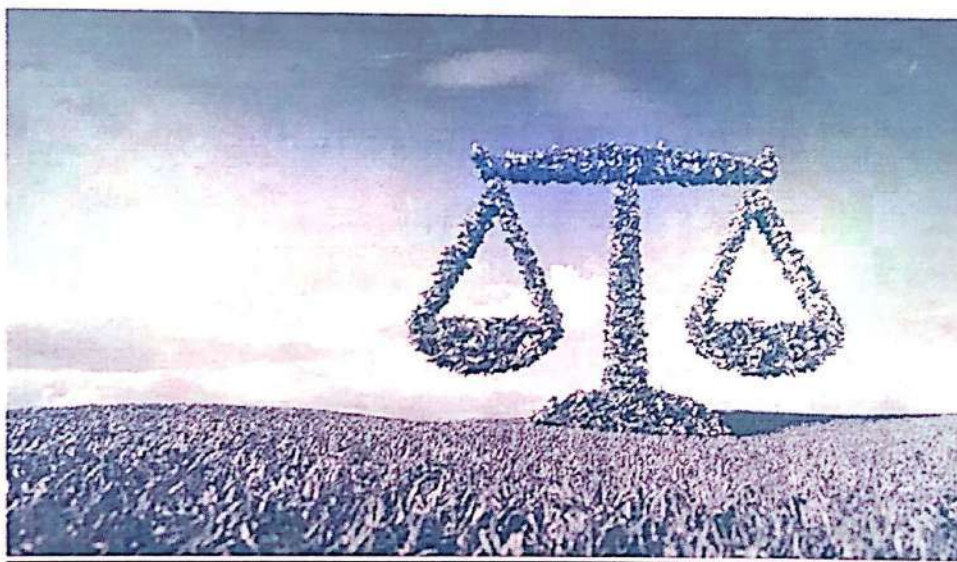
PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AGRICULTURE ENGINEERING

Value Added Course

AI20VC003 ENVIRONMENTAL LEGISLATION AND EIA



Course Content:

- To familiarize the students to the environmental legislation and its components and its role in checking the damage to the environment

Date: 08.02.2021 to 12.02.2021

Venue: T319

COURSE INCHARGE

1. Dr.A.VIVEKANANDHINI HOD/AGRI
2. K.S. SUBHA AP/AGRI



**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 AGRICULTURE ENGINEERING

DATE: 05.02.2021

CIRCULAR

It is planned to conduct **Five Days Training Course** on "**ENVIRONMENTAL LEGISLATION AND EIA**" for seventh semester students from 08.02.2021 to 12.02.2021. The interested students are asked to enroll their name to the course incharge **K.S. SUBHA AP/AGRI** on or before 08.02.2021. (Spot registration can also be permitted).

Course Incharge:

1. Dr.A.VIVEKANANDHINI HOD/AGRI
2. K.S SUBHA AP/AGRI

A. Vind
HOD/AGRI

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COURSE OBJECTIVES

To enable the students to

- To familiarize the students to the environmental legislation and its components and its role in checking the damage to the environment

UNIT I

Environmental sciences, Environment – definition, important components, quality of total environment. Environmental impact of man's activities on earth, impacts of agriculture, industrialization, urbanization. Green house effect, acid rain etc., Pollution – definition, pollution of air, water, land and noise, effect on humans, vegetation and other life forms, degradation of land. International treaties on environment, sustainable development – ecological and environmental parameters, public participation and role of NGOs. Status of environment in India

UNIT II

Concept of law constitution in relation to environment. Introduction to town planning legislation and legal tools for development control and their relationship for landscape design objectives. Indian forests acts – preserved, protected, private and village forests, wild life sanctuaries act. Legislative and administrative framework for national parks in U.K., U.S.A. and India. Periphery control legislation and green belt concept. Preservation of the countryside.

UNIT III

Legislation relating to preservation of parks, open spaces, playgrounds, trees and ancient monuments. Legislation related to air, water, Land pollution prevention. Environmental impact assessment – definitions, methodologies, techniques, advantages and disadvantages. Process – data collection, identification of study area, scope, aim, environmental standards and their measurement. EIA in India, legislation related to EIA, EIA in developed and developing countries

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Background and evolution of Environmental legislation.
- The various legislation concerned with the environment.
- EIA and its components

REFERENCES

1. Michael Allaby, Basics of Environmental Science, Routledge, 2000.
2. Avjit gupta and Mukul.G.Asher, Environment and the developing world, John wiley and sons, Inc, 2000.
3. Larry W.Canter, Environmental Impact Assessment, McGraw – Hill, Inc,1996

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF AGRICULTURE ENGINEERING

Academic Year: 2020-2021

Value added course

Attendance sheet

Year/Semester: IV/VII

Name of the course: Environmental legislation and eia

S.No	Reg. No	Name	08.02.2021	09.02.2021	10.02.2021	11.02.2021	12.02.2021
1	17102001	AARTHI .S	/	/	/	/	/
2	17102002	ABARNA .M	/	/	/	/	/
3	17102003	ABITHA M.S	/	/	/	/	/
4	17102004	ADHITHIYA. M	/	/	/	/	/
5	17102005	AJITH. K	/	/	/	/	/
6	17102006	AJITHA .A	/	/	/	/	/
7	17102007	ANCY A.J	/	/	/	/	/
8	17102008	ANJANADEV I .R	/	/	/	/	/
9	17102009	ARIVULINGAM .S	/	/	/	/	/
10	17102010	ARTHI P	/	/	/	/	/
11	17102011	BALAJI T	/	/	/	/	/
12	17102012	BALAJI V	/	/	/	/	/
13	17102013	BASKAR C	/	/	/	/	/
14	17102014	BHARATHIRAJA B	/	/	/	/	/

15	17102015	CHELLADURAI S	/	/	/	/	/
16	17102016	COUSALYA B	/	/	/	/	/
17	17102017	DEEPALAKSHMI C	/	/	/	/	/
18	17102018	DEEPIKA S.	/	/	/	/	/
19	17102019	DHANISHA .G	/	/	/	/	/
20	17102020	DHARANYA .T	/	/	/	/	/
21	17102021	DHINESH .T	/	/	/	/	/
22	17102022	DHINESH KUMAR .K.S	/	/	/	/	/
23	17102023	DHIVYA .S	/	/	/	/	/
24	17102024	DHIVYABHARATHI .R	/	/	/	/	/
25	17102025	DURGADEVI .J	/	/	/	/	/
26	17102026	FATHIMA BEE.S	/	/	/	/	/
27	17102027	GEETHA.K	/	/	/	/	/
28	17102028	GOKULAKANNAN.K	/	/	/	/	/
29	17102029	GOKULAVANI.V	/	/	/	/	/
30	17102030	GOKULNATH.K.J	/	/	/	/	/
31	17102031	GOKULNATH.M	/	/	/	/	/
32	17102032	GOWRI.K	/	/	/	/	/
33	17102035	INDERNATH.T.S	/	/	/	/	/
34	17102036	INDHUMATHI.S	/	/	/	/	/
35	17102037	JAGADEESHWARAN.S	/	/	/	/	/
36	17102038	JANANI.S	/	/	/	/	/
37	17102039	JOE RAJI.J	/	/	/	/	/
38	17102040	KALAISELVI.P	/	/	/	/	/

39	17102041	KAMALAKKANNAN.G	/	/	/	/	/
40	17102042	KANIMOZHI.K	/	/	/	/	/
41	17102043	KANIMOZHI.M	/	/	/	/	/
42	17102044	KARTHI.P	/	/	/	/	/
43	17102045	KARTHIK.S	/	/	/	/	/
44	17102046	KAVIYA.R	/	/	/	/	/
45	17102047	KAVIYA.V	/	/	/	/	/
46	17102048	KEERTHANA.M	/	/	/	/	/
47	17102049	KEERTHIKA.V	/	/	/	/	/
48	17102050	KIRUTHIKA.B	/	/	/	/	/
49	17102051	KURALMANI.C	/	/	/	/	/
50	17102052	LEXWANTHI.B	/	/	/	/	/
51	17102053	MAHADEVI.R	/	/	/	/	/
52	17102054	MAHALAKSHMI PRABA.P.S	/	/	/	/	/
53	17102055	MALINI.M	/	/	/	/	/
54	17102056	MAMTHA.S	/	/	/	/	/
55	17102057	MANI BHARATHI.A	/	/	/	/	/
56	17102059	MANOHARAN.D	/	/	/	/	/
57	17102060	MANOHARAN.G	/	/	/	/	/
58	17102061	MAREESWARI.K	/	/	/	/	/
59	17102062	MEHALA.N	/	/	/	/	/
60	17102301	ARUN KUMAR.R	/	/	/	/	/
61	17102302	BALAMURUGAN.T	/	/	/	/	/

62	17102501	SRI PONDHIVYA.N	/	/	/	/	/
63	17102063	MOHAMED ILIYAS.Y	/	/	/	/	/
64	17102064	MONIKA.E	/	/	/	/	/
65	17102065	MURALI PRASATH.A	/	/	/	/	/
66	17102066	MUTHUSAMY.B	/	/	/	/	/
67	17102067	NANCY.B	/	/	/	/	/
68	17102068	NARMADHA.R	/	/	/	/	/
69	17102069	NIRMALA DEVI.S	/	/	/	/	/
70	17102070	NIRMALA.D	/	/	/	/	/
71	17102071	NISHANTHI.A	/	/	/	/	/
72	17102072	PARTHIPAN.M	/	/	/	/	/
73	17102073	POOVARASAN.S	/	/	/	/	/
74	17102074	PRABHAKARAN.G	/	/	/	/	/
75	17102075	PRABHAVATHI.S	/	/	/	/	/
76	17102076	PRADEEP.S	/	/	/	/	/
77	17102077	PRAVEEN.S	/	/	/	/	/
78	17102078	PRAVEENA.S	/	/	/	/	/
79	17102079	PRAVINKUMAR.J	/	/	/	/	/
80	17102080	PRIYADHARSHINI.A	/	/	/	/	/
81	17102081	PRIYANKA.S.P	/	/	/	/	/
82	17102082	PRIYAVATHANA.C	a				
83	17102083	PUGALMATHI.B	/	/	/	/	/
84	17102084	PURUSHOTHAMAN.M	/	/	/	/	/
85	17102087	RAJESH.S	a				

86	17102088	RANJITHKUMAR.R	/	/	/	/	/
87	17102089	SADHAM.K	/	/	/	/	/
88	17102090	SAILA.B	/	/	/	/	/
89	17102094	SARANYA.P	/	/	/	/	/
90	17102095	SASIDHARAN.R	/	/	/	/	/
91	17102096	SASINDAR.M	/	/	/	/	/
92	17102097	SAVITHRA.G	/	/	/	/	/
93	17102098	SHALINI.V	/	/	/	/	/
94	17102099	SHERINE LISIYANA.I	/	/	/	/	/
95	17102100	SHIVANI.S.M	/	/	/	/	/
96	17102101	SIBISARAN.S	/	/	/	/	/
97	17102102	SNEKA.K	/	/	/	/	/
98	17102103	SONA.M	/	/	/	/	/
99	17102104	SOWBHARATHI.R	/	/	/	/	/
100	17102105	SOWMIYA.D	/	/	/	/	/
101	17102106	SOWMIYA.M	/	/	/	/	/
102	17102107	SOWMIYA.V	/	/	/	/	/
103	17102108	SRI VIGNESH.M.L	/	/	/	/	/
104	17102109	SUSHMITHA.A	/	/	/	/	/
105	17102110	SWETHA.G	/	/	/	/	/
106	17102111	TAMILALAGAN.G	/	/	/	/	/
107	17102112	TAMILARASI.S	/	/	/	/	/
108	17102113	TAMILPRIYAN.G	/	/	/	/	/
109	17102114	THARANI.M	/	/	/	/	/

110	17102115	VANITHA.M	/	/	/	/	/
111	17102116	VARSHA.B	/	/	/	/	/
112	17102117	VARSHINI.B	/	/	/	/	/
113	17102118	VASUKI.M	/	/	/	/	/
114	17102119	VIDHYA.S	/	/	/	/	/
115	17102120	VIGNESH.V	/	/	/	/	/
116	17102121	VIJAYALAKSHMI.L	/	/	/	/	/
117	17102122	VINITHA.A	/	/	/	/	/
118	17102123	VINOTHINI.K	/	/	/	/	/
119	17102124	YOGESHWARAN.T	/	/	/	/	/
120	17102125	YUVARAJ.M	/	/	/	/	/
121	17102126	YUVARAJESHWARI.V	/	/	/	/	/
122	17102303	SURESHKUMAR	/	/	/	/	/
123	17102304	VINOTHKUMAR	/	/	/	/	/

K.S. Subb
Course Incharge

X.V. d
HOD/Agri



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

BALAJI T

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added

Course "ENVIRONMENTAL LEGISLATION AND EIA" The duration of the course is 30 hours from

08.02.2021 to 12.02.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

MALINI M

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added

Course "ENVIRONMENTAL LEGISLATION AND EIA" The duration of the course is 30 hours from

08.02.2021 to 12.02.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

AARTHI S

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added

Course "**ENVIRONMENTAL LEGISLATION AND EIA**" The duration of the course is 30 hours from

08.02.2021 to 12.02.2021

Course Incharge

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AGRICULTURE ENGINEERING

Value Added Course

AI20VC004 FARM TRACTORS



Course Content:

- To introduce the students to the different systems and working principles of tractor, power tiller, makes of tractors and power tillers.

Date:13.09.2021 to 17.09.2021

Venue: T319

COURSE INCHARGE

1. Dr.A.VIVEKANANDHINI HOD/AGRI
2. M.BHUVANESWARI AP/AGRI



**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 AGRICULTURE ENGINEERING

DATE: 10.09.2021

CIRCULAR

It is planned to conduct **Five Days Training Course** on "FARM TRACTORS" for Fourth semester students from 13.09.2021 to 17.09.2021. The interested students are asked to enroll their name to the course incharge **M.BHUVANESWARI, AP/AGRI** on or before 13.09.2021. (Spot registration can also be permitted).

Course Incharge:

1. Dr.A.VIVEKANANDHINI HOD/AGRI
2. M.BHUVANESWARI AP/AGRI

HOD/AGRI

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COURSE OBJECTIVES

To enable the students to

- impart knowledge on application of IT in agriculture using computerized models.
- learn about precision agriculture using geospatial technology.
- learn, design and develop Decision Support Systems (DSS) and soil information for agricultural applications.

THEORY

15

E-Agriculture, concepts and applications, Use of ICT in Agriculture. Computer Models for understanding plant processes. IT application for computation of water and nutrient requirement of crops, Computer-controlled devices (automated systems) for Agri-input management, Smartphone Apps in Agriculture for farm advises, market price, postharvest management etc; Geospatial technology for generating valuable agri-information. Decision support systems, concepts, components and applications in Agriculture, Agriculture Expert System, Soil Information Systems etc for supporting Farm decisions. Preparation of contingent crop-planning using IT tools.

TOTAL PERIODS

15

COURSE OUTCOMES

At the end of this course, students will be able

- Understand use of information, communication and technology (ICT) in agriculture.
- Demonstrate use of GIS and GPS systems in precision agriculture.
- Apply and develop computerized models to understand plant growth process.

TEXT BOOKS

1. Joe.J.Hanan. 1998. Green houses: Advanced Technology for Protected Horticulture, CRC Press, LLC. Florida.
2. Paul V. Nelson. 1991. Green house operation and management. Ball publishing USA

REFERENCES

1. Handbook of Agricultural Engineering. 2016. ICAR, New Delhi
2. Adams, C.R. K.M. Band ford and M.P. Early. 1996. Principles of Horticulture. CBS publishers and distributors. Daryaganj, New Delhi.
3. Lyn. Malone, Anita M. Palmer, Christine L. Vloghat Jach Dangeermond. 2002. Mapping out world: GIS lessons for Education. ESRI press.
4. David Reed. 1996. Water, media and nutrition for green house crops. Ball publishing USA

COURSE OBJECTIVES

To enable the students to

- To introduce the students to the different systems and working principles of tractor, power tiller, makes of tractors and power tillers.

Unit I

Classification of tractors - Tractor engines – construction of engine blocks, cylinder head and crankcase - features of cylinder, piston, connecting rod and crankshaft – firing order combustion chambers. Valves-inlet and outlet valves – valve timing diagram. Air cleaner-exhaust – silencer. Cooling systems - lubricating systems - fuel system – governor- electrical system.

UNIT II

Transmission - clutch - gear box - sliding mesh - constant mesh - synchro mesh. Differential, final drive and wheels. Steering geometry - steering systems - front axle and wheel alignment. Brake - types - system. Hydraulic system - working principles, three point linkage - draft control - weight transfer, theory of traction - tractive efficiency – tractor chassis mechanics - stability - longitudinal and lateral. Controls - visibility - operator's seat.

UNIT III

Power tiller - special features - clutch - gear box - steering and brake. Makes of tractors, power tillers and bulldozers. Bulldozer- salient features – turning mechanism, track mechanism, components – operations performed by bulldozers. Types of tests- test procedure - need for testing & evaluation of farm tractor -Test code for performance testing of tractors and power tillers.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- The students will be able to understand the various equipments and mechanizations used in the farm.
- The students will have the knowledge on earth moving machinaries, tractor classification and tillage implements.

TEXT BOOKS

1. Jain, S.C. and C.R. Rai. Farm tractor maintenance and repair. Standard publishers and distributors, New Delhi, 1999

REFERENCES

1. Barger, E.L., J.B. Liljedahl and E.C. McKibben, Tractors and their Power Units. Wiley Eastern Pvt. Ltd., New Delhi, 1997.
2. Domkundwar A.V. A course in internal combustion engines. Dhanpat Rai & Co. (P) Ltd., Educational and Technical Publishers, Delhi, 1999.
3. Black, P.O. Diesel engine manual. Taraporevala Sons & Co., Mumbai, 1996.
4. Grouse, W.H. and Anglin, D.L. Automotive mechanics. Macmillan McGraw-Hill, Singapore, Indian Standard Codes for Agricultural Implements Published by ISI, New Delhi, 1993.
5. Jagadeeshwar Sahay, Elements of Agricultural Engineering, Standard Publishers Co., New Delhi, 2010.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF AGRICULTURE ENGINEERING

Academic Year: 2020-2021

Value added course

Attendance sheet

Year/Semester: III/VI

Name of the course: Farm tractors

S.No	Reg. No	Name	13.09.2021	14.09.2021	15.09.2021	16.09.2021	17.09.2021
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	/	/	/	/	/
42	19102046	HARISH.D	/	/	/	/	/
43	19102047	HARIVARMA.S	/	/	/	/	/
44	19102048	HEMA.A	/	/	/	/	/
45	19102049	HEMANTHRAJ.K	/	/	/	/	/
46	19102050	HOSEMINRAJA.G	/	/	/	/	/
47	19102051	ISHAGOPIKA.R	/	/	/	/	/
48	19102052	ISWARYA.V	/	/	/	/	/
49	19102053	JAGANATHAN.K	/	/	/	/	/
50	19102054	JANANIRAI.T	/	/	/	/	/
51	19102055	JAWAHAR.G	/	/	/	/	/
52	19102056	JAYAGOPITHAN.G	/	/	/	/	/
53	19102057	JAYAPRAKASH.R	/	/	/	/	/
54	19102058	JAYASHREE.R	/	/	/	/	/
55	19102060	KEERTHANA.N	/	/	/	/	/
56	19102061	KIRUBALINI.J	/	/	/	/	/
57	19102062	KOWSALYA P	/	/	/	/	/
58	19102063	LAVANYA.C	/	/	/	/	/
59	19102064	MAHALAKSHMI.D	/	/	/	/	/
60	19102065	MAHESWARAN.C	/	/	/	/	/

61	19102066	MANGAIYARKARASI.M	/	/	/	/	/
62	19102067	MEGHA.J.S	/	/	/	/	/
63	19102068	MENAKA.M	/	/	/	/	/
64	19102069	NAGILAN.V	/	/	/	/	/
65	19102070	NAVEEN.B	/	/	/	/	/
66	19102071	NITHEESHKUMAR.C	/	/	/	/	/
67	19102072	NIXIA.S	/	/	/	/	/
68	19102073	PANNEER SELVAM.B	/	/	/	/	/
69	19102074	PARASURAMAN.M	/	/	/	/	/
70	19102075	PAUL ANTONY.Y	/	/	/	/	/
71	19102076	PAVITHRA.S	/	/	/	/	/
72	19102077	POOVARASI.S	/	/	/	/	/
73	19102079	PRASATH.S.V	/	/	/	/	/
74	19102080	PRAVEEN RAJ.E	/	/	/	/	/
75	19102081	PRAVEEN.E	/	/	/	/	/
76	19102082	PRAVEENRAJ P	/	/	/	/	/
77	19102084	RAGHUL.P	/	/	/	/	/
78	19102085	RAGUL.S	/	/	/	/	/
79	19102086	RAJA.C	/	/	/	/	/
80	19102087	RANJITHKUMAR.M	/	/	/	/	/
81	19102088	RITHIKA.P	/	/	/	/	/
82	19102089	RIYA.K	/	/	/	/	/
83	19102090	SAIFULLA	/	/	/	/	/

84	19102091	SAMITHA.R	/	/	/	/	/
85	19102092	SANJAY.S	/	/	/	/	/
86	19102093	SANTHIYA.V	/	/	/	/	/
87	19102094	SANTHOSH.T	/	/	/	/	/
88	19102095	SASIKABILAN.S	/	/	/	/	/
89	19102097	SELVAKUMAR.S	/	/	/	/	/
90	19102098	SHALINI.M.P	/	/	/	/	/
91	19102099	SIVASAKTHI.S	/	/	/	/	/
92	19102100	SNEHA.P	/	/	/	/	/
93	19102101	SOWMIYA PRAGADEESWARI.G	/	/	/	/	/
94	19102102	SOWNDHARYA.S.S	/	/	/	/	/
95	19102103	SRIRAM.J	/	/	/	/	/
96	19102104	STALIN.V	a				
97	19102105	STELLA.K	/	/	/	/	/
98	19102106	SUBALAKSHMI.S	/	/	/	/	/
99	19102107	SUBASREE.T.V	/	/	/	/	/
100	19102108	SUDARSUN.S	/	/	/	/	/
101	19102109	SUNDAR.G	/	/	/	/	/
102	19102110	SUPRIYA.M	/	/	/	/	/
103	19102111	SURIYAPERUMAL.S	/	/	/	/	/
104	19102112	SURYA.P	/	/	/	/	/
105	19102113	SWETHA.S	/	/	/	/	/
106	19102114	THANEKAIVEL.K	/	/	/	/	/

107	19102115	THARAKESH.T	/	/	/	/	/
108	19102116	THENMOZHI.D	/	/	/	/	/
109	19102117	UTHAYA KUMAR.R	/	/	/	/	/
110	19102118	VAISHNAVI.G	/	/	/	/	/
111	19102119	VAISHNAVI.R	/	/	/	/	/
112	19102120	VENGADESAN.E	/	/	/	/	/
113	19102121	VIGNESHWARAN.U	/	/	/	/	/
114	19102122	VINAYAK.M	/	/	/	/	/
115	19102123	VISHNUSHREE.T.S	/	/	/	/	/
116	19102124	YATHAVAKRISHNAN.M	/	/	/	/	/
117	19102125	YOGALAKSHMI.P	/	/	/	/	/
118	19102126	YUKESHWARAN.K	/	/	/	/	/
119	19102501	HARIHARAN.G.V	/	/	/	/	/
120	19102502	YUGESHRAGAVAN	/	/	/	/	/
121	19102301	ANBARASU	/	/	/	/	/


Course Incharge


HOD/Agri



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

ARAVIND P

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added Course "**FARM TRACTORS**" The duration of the course is 30 hours from **13.09.2021 to 17.09.2021**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

SUNDAR G

of Paavai Engineering College, studying in Final Year has successfully completed the Value Added

Course "FARM TRACTOR" The duration of the course is 30 hours from 13.09.2021 to 17.09.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

AJAY K

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added

Course "GFARM TRACTORS" The duration of the course is 30 hours from **13.09.2021 to**

17.09.2021.

Course Incharge

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AGRICULTURE ENGINEERING

Value Added Course

AI20VC005 FORMULATION OF BANKABLE AGRICULTURAL PROJECT



Course Content:

- To gain knowledge on project investment and drafting of the project proposal
- To know about the agricultural project preparation and analysis

Date : 13.09.2021 to 17.09.2021

Venue: T319

COURSE INCHARGE

1. Dr.A.VIVEKANANDHINI HOD/AGRI
2. K.S. SUBHA AP/AGRI



**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 AGRICULTURE ENGINEERING

DATE: 10.09.2021

CIRCULAR

It is planned to conduct **Five Days Training Course** on "**FORMULATION OF BANKABLE AGRICULTURAL PROJECT**" for sixth semester students from 13.09.2021 to 17.09.2021. The interested students are asked to enroll their name to the course incharge: **K.S.SUBHA AP/AGRI** on or before 13.09.2021. (Spot registration can also be permitted).

Course Incharge:

1. Dr.A.VIVEKANANDHINI HOD/AGRI
2. K.S. SUBHA AP/AGRI


HOD/AGRI

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AI20VC005 FORMULATION OF BANKABLE AGRICULTURAL PROJECT

COURSE OBJECTIVES

To enable the students to

- To know about the agricultural project preparation and analysis.
- To gain knowledge on project investment and drafting of the project proposal.

UNIT I

Project - definition - agricultural projects - project preparation and analysis - criteria for selection of agricultural projects - Innovation, business incubation. Entrepreneurship development programmes - Government schemes and incentives - Government policy. Project Identification - entrepreneurs' area of interest - background, land, building, water, investment. Sources of projects - resources - own and institutional. Enterprise - project cost, break even point, infrastructure, machinery, power, water, manpower requirement.

UNIT II

Project appraisal - meaning and scope - types of project appraisal - technical, commercial, financial, economic and management appraisal - methodological issues in financial and economic evaluation of projects - measuring intangible costs and benefits - social cost and benefits analysis - choice among mutually exclusive projects. Cash flow analysis and discounting procedures - use of decision criteria NPV, BCR, Pay back period and IRR in decision making.

UNIT III

Procedures for preparation of project proposal on crop, dairy, poultry, forestry, fisheries enterprises and agro industries - data requirements and their format. Preparation of case studies - Review of awarded projects of major banks - Current streams of thought.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Understand the criteria for selection of agricultural projects.
- Gain knowledge on project preparation and analysis.
- Understand the operational and investment analysis of agricultural projects
- Imbibe knowledge on drafting of project of project proposal

TEXT BOOKS

1. Chandra, Prasanna, 1995. Projects: Preparation, Appraisal, Budgeting and Implementation, Tata Mc - Graw Hill Publications, New Delhi.
2. Gopal Krishan, P. and K.Nagarajan, 2005. Project Management, New Age Publishing, New Delhi.
3. Goel, B.B., 1989. Project Management, Deep and Deep Publications, New Delh
4. Ramamoorthy, V.E., 2005. Textbook of Project Management, Macmillan, New Delhi.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF AGRICULTURE ENGINEERING

Academic Year: 2021-2022

Value added course

Attendance sheet

Year/Semester: IV/VI

Name of the course: Formulation of bankable agricultural projects

S.No	Reg. No	Name	13.09.2021	14.09.2021	15.09.2021	16.09.2021	17.09.2021
1	18102001	M.ABINAYA	/	/	/	/	/
2	18102002	M. ABISHEK	/	/	/	/	/
3	18102003	ADHI KESAVAN M	/	/	/	/	/
4	18102004	AJAI I	/	/	/	/	/
5	18102006	R.ANANDHI	/	/	/	/	/
6	18102008	ANNES FATIMA.A	/	/	/	/	/
7	18102009	ASHOK KUMAR.C	/	/	/	/	/
8	18102010	M. ASHOK	/	/	/	/	/
9	18102011	AYYAPPAA S	/	/	/	/	/
10	18102012	A.AZHAGU KANNAN	/	/	/	/	/
11	18102013	N.BABY SURUTHI	/	/	/	/	/
12	18102014	BHARANI S	/	/	/	/	/

13	18102015	BHARATH KUMAR.T	/	/	/	/	/
14	18102016	CHANDRU. S	/	/	/	/	/
15	18102018	DHARSHINI B	/	/	/	/	/
16	18102019	DHARSHINI M	/	/	/	/	/
17	18102020	DHAYANI M	/	/	/	/	/
18	18102021	G. DHIVYA KULKARANI	/	/	/	/	/
19	18102022	DINESH.P	/	/	/	/	/
20	18102023	S.ELUMALAI	/	/	/	/	/
21	18102024	FELIX BHARATHI.A	/	/	/	/	/
22	18102025	K. GAYATHRI	/	/	/	/	/
23	18102026	GOKULMURUGAN. R	/	/	/	/	/
24	18102027	M.GOKULRAJ	/	/	/	/	/
25	18102028	GOMATHI.R	/	/	/	/	/
26	18102029	G.HARIHARAN	/	/	/	/	/
27	18102030	HARIHARAN S	/	/	/	/	/
28	18102031	<u>HARITHA.SK</u>	/	/	/	/	/
29	18102032	R.HEMALATHA	/	/	/	/	/
30	18102033	F.K.IRFANN	/	/	/	/	/
31	18102034	E.JENIFER AISWARYA	/	/	/	/	/
32	18102035	JOTHIKA.K	/	/	/	/	/
33	18102036	N.KANISHKA	/	/	/	/	/

34	18102037	V.P.KARTHIKA	/	/	/	/	/
35	18102038	G.R.KATHIRAVAN	/	/	/	/	/
36	18102039	A.KAVITHA	/	/	/	/	/
37	18102040	M.KAVIYA	/	/	/	/	/
38	18102041	M. KAVIYA	/	/	/	/	/
39	18102042	KEERTHANA.K	/	/	/	/	/
40	18102043	R.KEERTHANA	/	/	/	/	/
41	18102045	K. S. KISHOREKUMAR	/	/	/	/	/
42	18102046	G.KOHILA	/	/	/	/	/
43	18102047	K. LAVANYA	/	/	/	/	/
44	18102048	D. LEEDIAL SONOMEYA	/	/	/	/	/
45	18102049	LOGESWARAN. S	/	/	/	/	/
46	18102050	R.LOSHINI	/	/	/	/	/
47	18102051	S. MADHUMISHA	/	/	/	/	/
48	18102052	B.MANIGANDAN	/	/	/	/	/
49	18102053	S.MANJU	/	/	/	/	/
50	18102054	MANOJ KUMAR. P	/	/	/	/	/
51	18102055	M.MARI SELVAM	/	/	/	/	/
52	18102056	V. MATHUMITHA	/	/	/	/	/
53	18102057	S.MOHAMED IRFAN	/	/	/	/	/
54	18102058	S.MOHANA	/	/	/	/	/

55	18102059	S.MONISHA	/	/	/	/	/
56	18102122	U.BHARATHI	/	/	/	/	/
57	18102301	ABITHA.T	/	/	/	/	/
58	18102061	P.MUKESH	/	/	/	/	/
59	18102062	V.MULLAIVENDHAN	/	/	/	/	/
60	18102063	NANDHINI K	/	/	/	/	/
61	18102064	NAVEEN KUMAR D	/	/	/	/	/
62	18102065	R.NAVEEN	/	/	/	/	/
63	18102066	NAVEENKUMAR.R	/	/	/	/	/
64	18102067	G. NETHAJI	/	/	/	/	/
65	18102068	NITHYANANDAM.S	/	/	/	/	/
66	18102069	K.NITHYANANDHAM	a	a	a	a	a
67	18102071	S.NIVETHA	/	/	/	/	/
68	18102072	B.NIVETHITHA	/	/	/	/	/
69	18102073	S. PADHMASHRE	/	/	/	/	/
70	18102074	M.PAPITHA	/	/	/	/	/
71	18102075	G.PARTHASARATHI	/	/	/	/	/
72	18102076	PASUMATHI. C	/	/	/	/	/
73	18102077	POOVARASAN R	/	/	/	/	/
74	18102078	PRAVEEN K	/	/	/	/	/
75	18102079	G.PRIYADHARSHINI	/	/	/	/	/

76	18102080	RAJA VP	/	/	/	/	/
77	18102081	G.RAJESHKANNAN	/	/	/	/	/
78	18102082	RAMESHKANNA.C	/	/	/	/	/
79	18102083	RISHWANTH.M.K	/	/	/	/	/
80	18102084	G SABARI	/	/	/	/	/
81	18102085	SAHAYA SHAMLET.J	/	/	/	/	/
82	18102086	N.SANKARA GURUNATHAN	/	/	/	/	/
83	18102087	C.SANTHIYA	/	/	/	/	/
84	18102088	M. SANTHIYA	/	/	/	/	/
85	18102089	D.SANTHOSH	/	/	/	/	/
86	18102091	SATHIYA.R	/	/	/	/	/
87	18102092	R. SHALINI	/	/	/	/	/
88	18102093	SHIBI.A.K	a	a	a	a	a
89	18102094	S.SILAMBARASAN	/	/	/	/	/
90	18102095	A.SIRAJUDEEN	/	/	/	/	/
91	18102096	S.SIVANESAN	/	/	/	/	/
92	18102098	M.SOWNDHARARAJAN	/	/	/	/	/
93	18102099	M. SRI BHAVANI	/	/	/	/	/
94	18102100	SRISARAN.B.S	/	/	/	/	/
95	18102101	STANLEYDURAI S	/	/	/	/	/
96	18102102	SUFAIL SP	/	/	/	/	/

97	18102103	K. SURYA	/	/	/	/	/
98	18102104	R.SUSHMITHA	/	/	/	/	/
99	18102105	SUTHAKAR.M	/	/	/	/	/
100	18102106	R.SUTHARSAN	/	/	/	/	/
101	18102108	K.V.THRIVENI	/	/	/	/	/
102	18102109	VAISHNAVI.N	/	/	/	/	/
103	18102110	VEDALAKSHMI S	/	/	/	/	/
104	18102111	G.VENKATESH	/	/	/	/	/
105	18102112	S.VINISHA	/	/	/	/	/
106	18102113	M.VINODHINI	/	/	/	/	/
107	18102114	P. WILSON ANDREWS	/	/	/	/	/
108	18102115	YAMINI.G	/	/	/	/	/
109	18102116	N.P.YOGAISWARYA	/	/	/	/	/
110	18102118	M.YOGAVELAN.	/	/	/	/	/
111	18102119	YOGESHWARAN.T	/	/	/	/	/
112	18102121	A.M.YUVAJEYSHREE	/	/	/	/	/
113	18102302	S.SARAVANAKUMAR	/	/	/	/	/

K.S. Subha
Course Incharge

X.V. d
HOD/Agri



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

VAIRAMUTHU.K

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added Course "**FORMULATION OF BANKABLE AGRICULTURAL PROJECT**" The duration of the course is 30 hours from **13.09.2021 to 17.09.2021**

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

ABISHEK M

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added Course "**FORMULATION OF BANKABLE AGRICULTURAL PROJECT**" The duration of the course is 30 hours

from **13.09.2021 to 17.09.2021**

A handwritten signature in black ink, appearing to read 'S. S. G...', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be a stylized 'N', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be a stylized 'P', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

SIVARAJ.R

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added Course **"FORMULATION OF BANKABLE AGRICULTURAL PROJECT"** The duration of the course is 30 hours from **13.09.2021 to 17.09.2021.**

Course Incharge

HOD

Principal

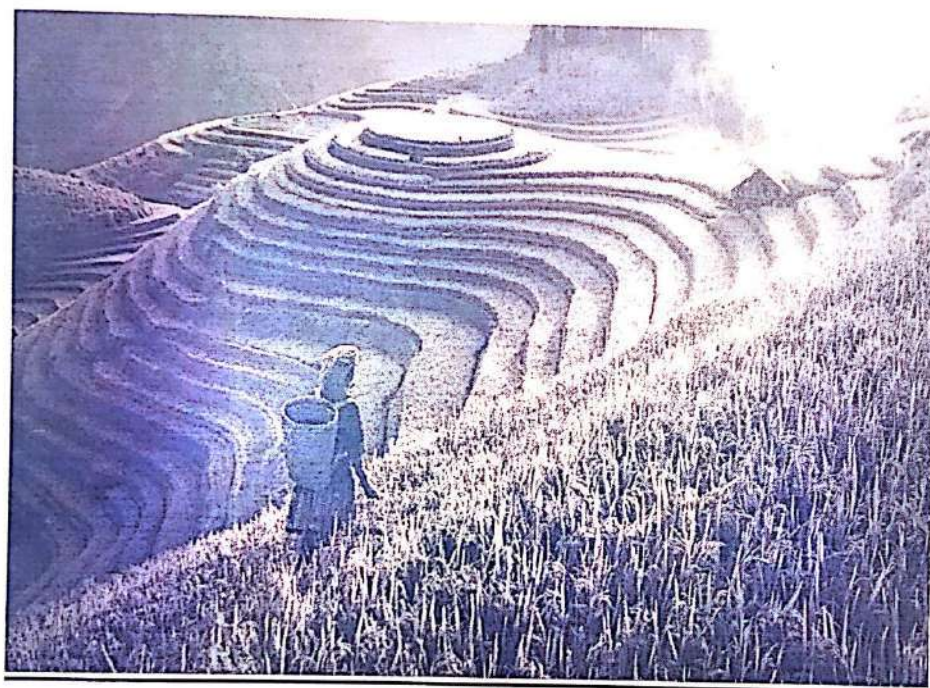
PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AGRICULTURE ENGINEERING

Value Added Course

AI20VC006 AGROTOURISM



Course Content:

- To know and understand the importance of agro tourism
- To know the activities and management of agro tourism

Date : 13.09.2021 to 17.09.2021

Venue: T319

COURSE INCHARGE

1. Dr.A.VIVEKANANDHINI HOD/AGRI
2. A. VIGNESH AP/ AGRI



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

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DEPARTMENT OF AGRICULTURE ENGINEERING

DATE: 10.09.2021

CIRCULAR

It is planned to conduct **Five Days Training Course** on "AGROTOURISM" for eighth semester students from 13.09.2021 to 17.09.2021. The interested students are asked to enroll their name to the course incharge **A.VIGNESH AP/AGRI** on or before 13.09.2021. (Spot registration can also be permitted).

Course Incharge:

1. Dr.A.VIVEKANANDHINI, HOD/AGRI
2. A. VIGNESH, AP/AGRI

A. Vignesh
HOD/AGRI

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AI20VC006

AGROTOURISM

COURSE OBJECTIVES

To enable the students to

- To know and understand the importance of agrotourism
- To know the activities and management of agrotourism

Unit I

Agro-Tourism, Introduction, importance, scope, forms of agro-tourism, advantages and implementation, introduction to Indian culture. Govt. policies and legislations in respect of tourism and agro-tourism and environment protection laws. Requirements for Agro-tourism. Farm, forest, garden, wild life, fish tank/ponds, coastal areas. Residential huts, etc.

UNIT II

Constraints in operation and management of Agro-tourism activities. Management of resources – Human resources, Natural resources and Garbage management at Agro-tourism centre. Entrepreneurship development with special reference to profitable Agrotourism, Hospitality: food and beverages and accommodation services. Communication skill and services needed for Agro-tourism

UNIT III

Capital investment, sources and capital budgeting for Agro-tourism as a business. Preparation of Project Proposal for Agro-tourism and its feasibility study. Accounts and record keeping etc., for Agro-tourism. Marketing strategies for Agro-tourism products and services. Publicity of Agro-tourism: advertisement and use of media.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- The students will be able to understand the importance of Agrotourism
- The students will have the knowledge on management and activities of agrotourism

TEXT BOOKS

1. Talwar, Prakash. Travel and Tourism Management . Gyan Books Pvt. Ltd., Main Ansari Road, Darya Ganj, New Delhi-110 002.
2. Badri, S.C Trends in Tourism Promotion 2003. International Books Distributors, 9/3, Rajpur Road, Dehradun-248 001 Uttarakhand (India).

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF AGRICULTURE ENGINEERING

Academic Year: _____

Value added course

Attendance sheet

Year/Semester: IV/VIII

Name of the course: Agrotourism

S.No	Reg. No	Name	13.09.2021	14.09.2021	15.09.2021	16.09.2021	17.09.2021
1	17102001	AARTHI .S	/	/	/	/	/
2	17102002	ABARNA .M	/	/	/	/	/
3	17102003	ABITHA M.S	/	/	/	/	/
4	17102004	ADHITHIYA. M	/	/	/	/	/
5	17102005	AJITH. K	/	/	/	/	/
6	17102006	AJITHA .A	/	/	/	/	/
7	17102007	ANCY A.J	/	/	/	/	/
8	17102008	ANJANADEV I .R	/	/	/	/	/
9	17102009	ARIVULINGAM .S	/	/	/	/	/
10	17102010	ARTHI P	/	/	/	/	/
11	17102011	BALAJI T	/	/	/	/	/
12	17102012	BALAJI V	/	/	/	/	/
13	17102013	BASKAR C	/	/	/	/	/
14	17102014	BHARATHIRAJA B	/	/	/	/	/

15	17102015	CHELLADURAI S	/	/	/	/	/
16	17102016	COUSALYA B	/	/	/	/	/
17	17102017	DEEPALAKSHMI C	/	/	/	/	/
18	17102018	DEEPIKA S.	/	/	/	/	/
19	17102019	DHANISHA .G	/	/	/	/	/
20	17102020	DHARANYA .T	/	/	/	/	/
21	17102021	DHINESH .T	/	/	/	/	/
22	17102022	DHINESH KUMAR .K.S	/	/	/	/	/
23	17102023	DHIVYA .S	/	/	/	/	/
24	17102024	DHIVYABHARATHI .R	/	/	/	/	/
25	17102025	DURGADEVI .J	a	a	a	a	a
26	17102026	FATHIMA BEE.S	/	/	/	/	/
27	17102027	GEETHA.K	/	/	/	/	/
28	17102028	GOKULAKANNAN.K	/	/	/	/	/
29	17102029	GOKULAVANI.V	/	/	/	/	/
30	17102030	GOKULNATH.K.J	/	/	/	/	/
31	17102031	GOKULNATH.M	a	a	a	a	a
32	17102032	GOWRI.K	/	/	/	/	/
33	17102035	INDERNATH.T.S	/	/	/	/	/
34	17102036	INDHUMATHI.S	/	/	/	/	/
35	17102037	JAGADEESHWARAN.S	/	/	/	/	/
36	17102038	JANANI.S	/	/	/	/	/
37	17102039	JOE RAJI.J	/	/	/	/	/
38	17102040	KALAISELVI.P	/	/	/	/	/

39	17102041	KAMALAKKANNAN.G	/	/	/	/	/
40	17102042	KANIMOZHI.K	/	/	/	/	/
41	17102043	KANIMOZHI.M	/	/	/	/	/
42	17102044	KARTHI.P	/	/	/	/	/
43	17102045	KARTHIK.S	/	/	/	/	/
44	17102046	KAVIYA.R	/	/	/	/	/
45	17102047	KAVIYA.V	/	/	/	/	/
46	17102048	KEERTHANA.M	/	/	/	/	/
47	17102049	KEERTHIKA.V	/	/	/	/	/
48	17102050	KIRUTHIKA.B	/	/	/	/	/
49	17102051	KURALMANI.C	/	/	/	/	/
50	17102052	LEXWANTHI.B	/	/	/	/	/
51	17102053	MAHADEVI.R	/	/	/	/	/
52	17102054	MAHALAKSHMI PRABA.P.S	/	/	/	/	/
53	17102055	MALINI.M	/	/	/	/	/
54	17102056	MAMTHA.S	/	/	/	/	/
55	17102057	MANI BHARATHI.A	/	/	/	/	/
56	17102059	MANOHARAN.D	/	/	/	/	/
57	17102060	MANOHARAN.G	/	/	/	/	/
58	17102061	MAREESWARI.K	/	/	/	/	/
59	17102062	MEHALA.N	/	/	/	/	/
60	17102301	ARUN KUMAR.R	/	/	/	/	/
61	17102302	BALAMURUGAN.T	/	/	/	/	/

62	17102501	SRI PONDHIVYA.N	/	/	/	/	/
63	17102063	MOHAMED ILIYAS.Y	/	/	/	/	/
64	17102064	MONIKA.E	/	/	/	/	/
65	17102065	MURALI PRASATH.A	/	/	/	/	/
66	17102066	MUTHUSAMY.B	/	/	/	/	/
67	17102067	NANCY.B	/	/	/	/	/
68	17102068	NARMADHA.R	/	/	/	/	/
69	17102069	NIRMALA DEVI.S	/	/	/	/	/
70	17102070	NIRMALA.D	/	/	/	/	/
71	17102071	NISHANTHI.A	/	/	/	/	/
72	17102072	PARTHIPAN.M	/	/	/	/	/
73	17102073	POOVARASAN.S	/	/	/	/	/
74	17102074	PRABHAKARAN.G	/	/	/	/	/
75	17102075	PRABHAVATHI.S	/	/	/	/	/
76	17102076	PRADEEP.S	/	/	/	/	/
77	17102077	PRAVEEN.S	/	/	/	/	/
78	17102078	PRAVEENA.S	/	/	/	/	/
79	17102079	PRAVINKUMAR.J	/	/	/	/	/
80	17102080	PRIYADHARSHINI.A	/	/	/	/	/
81	17102081	PRIYANKA.S.P	/	/	/	/	/
82	17102082	PRIYAVATHANA.C	/	/	/	/	/
83	17102083	PUGALMATHI.B	/	/	/	/	/
84	17102084	PURUSHOTHAMAN.M	/	/	/	/	/
85	17102087	RAJESH.S	/	/	/	/	/

86	17102088	RANJITHKUMAR.R	/	/	/	/	/
87	17102089	SADHAM.K	/	/	/	/	/
88	17102090	SAILA.B	/	/	/	/	/
89	17102094	SARANYA.P	/	/	/	/	/
90	17102095	SASIDHARAN.R	/	/	/	/	/
91	17102096	SASINDAR.M	/	/	/	/	/
92	17102097	SAVITHRA.G	/	/	/	/	/
93	17102098	SHALINI.V	/	/	/	/	/
94	17102099	SHERINE LISIYANA.I	/	/	/	/	/
95	17102100	SHIVANI.S.M	/	/	/	/	/
96	17102101	SIBISARAN.S	/	/	/	/	/
97	17102102	SNEKA.K	/	/	/	/	/
98	17102103	SONA.M	/	/	/	/	/
99	17102104	SOWBHARATHI.R	/	/	/	/	/
100	17102105	SOWMIYA.D	/	/	/	/	/
101	17102106	SOWMIYA.M	/	/	/	/	/
102	17102107	SOWMIYA.V	/	/	/	/	/
103	17102108	SRI VIGNESH.M.L	/	/	/	/	/
104	17102109	SUSHMITHA.A	/	/	/	/	/
105	17102110	SWETHA.G	/	/	/	/	/
106	17102111	TAMILALAGAN.G	/	/	/	/	/
107	17102112	TAMILARASI.S	/	/	/	/	/
108	17102113	TAMILPRIYAN.G	/	/	/	/	/
109	17102114	THARANI.M	/	/	/	/	/

110	17102115	VANITHA.M	/	/	/	/	/
111	17102116	VARSHA.B	/	/	/	/	/
112	17102117	VARSHINI.B	/	/	/	/	/
113	17102118	VASUKI.M	/	/	/	/	/
114	17102119	VIDHYA.S	/	/	/	/	/
115	17102120	VIGNESH.V	/	/	/	/	/
116	17102121	VIJAYALAKSHMI.L	/	/	/	/	/
117	17102122	VINITHA.A	/	/	/	/	/
118	17102123	VINOTHINI.K	/	/	/	/	/
119	17102124	YOGESHWARAN.T	/	/	/	/	/
120	17102125	YUVARAJ.M	/	/	/	/	/
121	17102126	YUVARAJESHWARI.V	/	/	/	/	/
122	17102303	SURESHKUMAR	/	/	/	/	/
123	17102304	VINOTHKUMAR	/	/	/	/	/


Course Incharge


HOD/Agri



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

PRADEEP S

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added Course "**AGROTOURISM**" The duration of the course is 30 hours from **13.09.2021 to 17.09.2021**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

AJITH K

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added

Course "**AGROTOURISM**" The duration of the course is 30 hours from **13.09.2021 to 17.09.2021**.

A handwritten signature in black ink, appearing to read 'K. Vardh.', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be a stylized 'AN', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be a stylized 'P', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Agriculture Engineering

CERTIFICATE

This is to certify that

ANCY A J

of Paavai Engineering College, studying in **Final Year** has successfully completed the Value Added

Course "**AGROTOURISM**" The duration of the course is 30 hours from

A handwritten signature in black ink, appearing to be 'K. V. V.' or similar, written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'N. V.' or similar, written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P.' or similar, written over a horizontal line.

Principal

DEPARTMENT OF CIVIL ENGINEERING

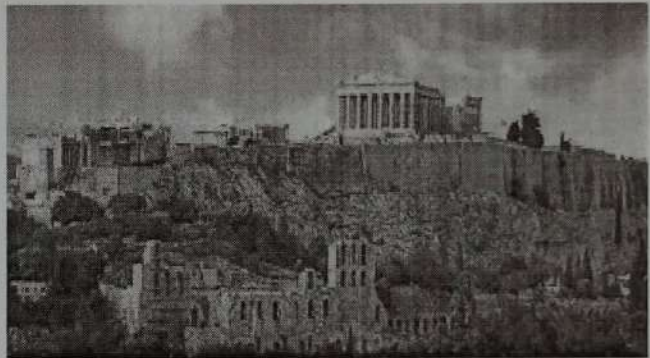
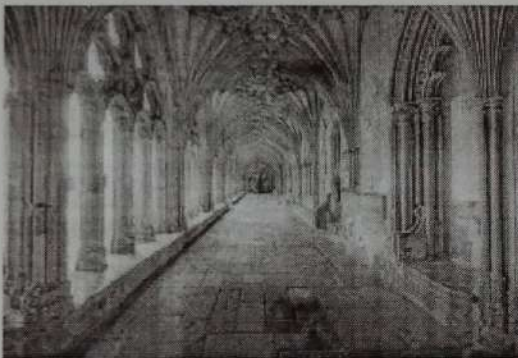


PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL – 637 018 DEPARTMENT OF CIVIL ENGINEERING

Value Added Course

20PSEVC101 – ARCHITECTURAL CONSERVATION AND HISTORIC PRESERVATION



- ❖ This course deals with Guidelines for preservation, conservation and restoration of heritage structures, precincts and sites and the process of impact assessment are explained through various case studies. The process of evolving design guidelines for new buildings in historic settings is elaborated with the help of appropriate examples.
- ❖ Historic preservation is the practice of protecting and preserving sites, structures or districts which reflect elements of local or national cultural, social, economic, political, archaeological or architectural history.

Date: 27.07.2020 to 31.07.2020

Online Mode: Microsoft Teams

Course Co-ordinator:

1. Mr.N.Moorthi



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF STRUCTURAL ENGINEERING**

DATE: 20.07.2020

CIRCULAR

It is planned to conduct Five Days Value Added Course on “20PSEVC101 – ARCHITECTURAL CONSERVATION AND HISTORIC PRESERVATION” for First semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their names to the course Incharge Mr.N.Moorthi, AP/Civil on or before 26.07.2020.

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

HOD/Civil

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20PSEVC101 ARCHITECTURAL CONSERVATION AND HISTORIC PRESERVATION

COURSE OBJECTIVES

To enable the students to

- develop knowledge on types of heritage resources.
- gain knowledge on authenticity and integrity.
- Gain knowledge on organizational framework and heritage site management.

Module I

Heritage conservation- need, debate and purpose; understanding heritage and types of heritage resources, values and significance.

Module II

World Heritage Sites, selection criteria, authenticity and integrity, case studies, endangered sites.

Module II

Design of new building in historic settings, townscape analysis , visual integration; heritage impact assessment; adaptive reuse of heritage structures ; organizational framework and heritage site management ,financial incentives and planning tools; role of agencies in safeguarding heritage in India.

TOTAL PERIODS: 30

COURSE OBJECTIVES

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

- know the heritage conservation.
- enlist the World Heritage Sites.
- design the new building in historic settings.

TEXT BOOKS:

1. Appleyard, D. (Ed.). (1979). The Conservation of European Cities. Massachusetts: M.I.T. Press.
2. Basu, S., Mukerji A (Eds.) (2017). Integrated Urban Conservation: An Approach towards Development, ISBN: 978-93-5268-866-1, Kharagpur: Department of Architecture and Regional Planning, IIT, Kharagpur.

REFERENCES:

1. Fitch, J.M. (Reprint edition 1990). Historic Preservation: Curatorial Management of the Built World. Virginia: University Press of Virginia.
2. Glendenning, M. (2013). The Conservation Movement: A History of Architectural Preservation: Antiquity to Modernity. London: Routledge.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : I/I

Name of the course : 20PSEVC101 Architectural Conservation and Historic Preservation

S.No	Register Number	Student Name	27/7/20	28/7/20	29/7/20	30/7/20	31/7/20
1	20307001	LOGESHWARI.D	/	/	/	/	/
2	20307002	MURALI.M	/	/	/	/	/
3	20307003	ROMEO M REJI	/	/	/	/	/

Course Incharge

1. Mr.N.Moorthi, AP/Civil



HoD-Civil



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Structural Engineering

CERTIFICATE

This is to certify that

LOGESHWARI D

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 20PSEVC101 Architectural Conservation and Historic Preservation. The duration of the Course is 30hours . (**27/07/2020 to 31/07/2020**) .

A handwritten signature in blue ink, appearing to read 'M. Perthan', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to read 'S. S. S. S.', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to read 'P.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Structural Engineering

CERTIFICATE

This is to certify that

MURALI M

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 20PSEVC101 Architectural Conservation and Historic Preservation. The duration of the Course is 30hours . (**27/07/2020 to 31/07/2020**) .

A handwritten signature in blue ink, appearing to read 'M. Senthil', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to read 'S. Senthil', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to read 'P. Senthil', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Structural Engineering

CERTIFICATE

This is to certify that

ROMEO M REJI

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 20PSEVC101 Architectural Conservation and Historic Preservation. The duration of the Course is 30hours . (**27/07/2020 to 31/07/2020**) .

A handwritten signature in blue ink, appearing to read 'M. Perthan', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to read 'S. S. S. S.', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to read 'P.', written over a horizontal line.

Principal

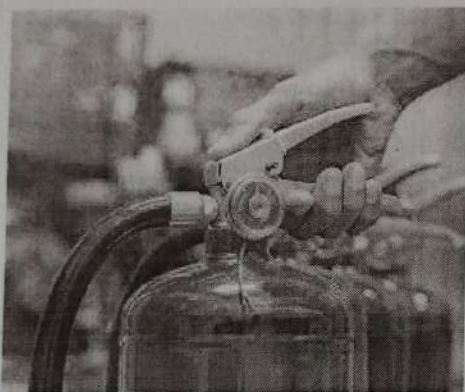


PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

**NAMAKKAL – 637 018
DEPARTMENT OF CIVIL ENGINEERING**

Value Added Course

**20PSEVC201 – FIRE PROTECTION, SERVICES AND MAINTENANCE
MANAGEMENT OF BUILDINGS**



- ❖ This course involves checking and looking after your fire safety equipment, so that it continues to work for as long as possible and without needing repairs. Depending on the type of fire safety equipment, it might be cleaned, adjusted and lubricated, or wear parts might be replaced.
- ❖ In this course the fire safety standards covers requirements for a prevention plan, emergency exits, employee training, fire suppression options, and the identification of flammable or combustible materials and ignition sources. If your workplace has ten or more employees, you are required to have a fire prevention plan.

Date: 01.02.2021 to 05.02.2021

Online Mode: Microsoft Teams

Course Co-ordinator:

1. Ms.S.Gayathri
2. Mr.S.Satheeshkumar



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF STRUCTURAL ENGINEERING

DATE: 25.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on “**20PSEVC201 – FIRE PROTECTION, SERVICES AND MAINTENANCE MANAGEMENT OF BUILDINGS**” for Second semester students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their names to the course Incharge Mr.M.Sabari, AP/Civil on or before 31.01.2021.

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

HOD/Civil

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : I/II

Name of the course : 20PSEVC201 Fire Protection, Services and Maintenance

Management of Buildings

S.No	Register Number	Student Name	1/2/21	2/2/21	3/2/21	4/2/21	5/2/21
1	20307001	LOGESHWARI.D	/	/	/	/	/
2	20307002	MURALI.M	/	/	/	/	/
3	20307003	ROMEO M REJI	/	/	/	/	AG

Course Incharge

1. Mr.M.Sabari, AP/Civil

HoD-Civil

20PSEVC201 FIRE PROTECTION, SERVICES AND MAINTENANCE MANAGEMENT OF BUILDINGS

COURSE OBJECTIVES

To enable the students to

- gain knowledge on building services
- know the concept of Component of cold & hot water supply system.
- Concentrate on Design of system and elements of electrical services.

Module I

Building Services as a system, Capacity of storage and sizing, control system etc. & intelligent building.

Module II

Water Supply, Hydraulic design, Storage Distribution, Component of cold & hot water supply system.

Module II

Waste water & Drainage systems: Fixture units & Design of system and elements of electrical services.

TOTAL PERIODS: 30

COURSE OBJECTIVES

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

- apply the knowledge on Capacity of storage and sizing, control system.
- develop the Component of cold & hot water supply system.
- design the system and elements of electrical services.

TEXT BOOKS:

1. Bureau of Indian Standards, " HAND BOOK OF FUNCTIONAL REQUIREMENTS OF BUILDINGS, (SP-41 & SP- 32)", BIS 1987 and 1989.
2. Building Engineering & System Design - F.S.MERRIT & J. AMBROSE

REFERENCES:

1. HEATING VENTILATING AND AIR CONDITIONING Analysis and Design - Faye C. McQuiston and Jerald D.
2. Concrete Structures: materials, Maintenance And Repair D.CAMPBELL, ALLEN & H.ROPER



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Structural Engineering

CERTIFICATE

This is to certify that

LOGESHWARI D

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 20PSEVC201 Fire Protection, Services and Maintenance management of Buildings. The duration of the Course is 30hours . (**01/02/2021 to 05/02/2021**) .

A handwritten signature in black ink, appearing to read 'm. Sathish', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to read 'S. S. Sathish', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to read 'P. Sathish', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Structural Engineering

CERTIFICATE

This is to certify that

MURALI M

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 20PSEVC201 Fire Protection, Services and Maintenance management of Buildings. The duration of the Course is 30hours . (**01/02/2021 to 05/02/2021**) .

A handwritten signature in black ink, appearing to read 'm. Sathish', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to read 'S. Sathish', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to read 'p.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Structural Engineering

CERTIFICATE

This is to certify that

ROMEO M REJI

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 20PSEVC201 Fire Protection, Services and Maintenance management of Buildings. The duration of the Course is 30hours . (**01/02/2021 to 05/02/2021**) .

A handwritten signature in black ink, appearing to read 'm. Salim', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to read 'S. S. S. S.', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to read 'p.', written over a horizontal line.

Principal

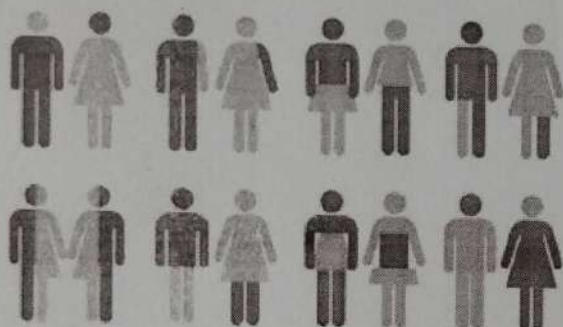


PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL – 637 018
DEPARTMENT OF CIVIL ENGINEERING

Value Added Course

20CEVC301 – GENDER AND LITERATURE



- ❖ Gender and Literature is an examination of selected literary texts and cultural conditions from the standpoint of gender theory. It will draw on established scholarship on gender studies and take the student through the various configurations and reconfiguration that determine gendered classifications such as masculinity and femininity.
- ❖ This course deals with Introduction to Gender Studies in Literature and 'The Chess Players' by Munshi Premchand, 'The Chess Players' and 'Shooting an Elephant' by George Orwell, Heart of Darkness by Joseph Conrad, 'The Fly' by Katherine Mansfield, Look Back in Anger by John Osborne and Gender, Films, and Advertisements.

Date: 27.07.2020 to 31.07.2020

Online Mode: Microsoft Teams

Course Co-ordinator:

- 1.Ms.S.Gayathri
- 2.Mr.S.Satheeshkumar



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF CIVIL ENGINEERING

DATE: 20.07.2020

CIRCULAR

It is planned to conduct Five Days Value Added Course on “**20CEVC301 – GENDER LITERATURE**” for Third semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their names to the course Incharge Ms.S.Gayathri, AP/Civil on or before 26.07.2020.

Course Incharge:

1. Ms.S.Gayathri, AP/Civil
2. Mr.S.Satheeshkumar, AP/Civil

HOD/Civil

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20CEVC301 GENDER AND LITERATURE

COURSE OBJECTIVES

To enable the students to

- know the Gender Studies in Literature
- gain knowledge on Heart of Darkness and The Fly.
- create Films, and Advertisements

Module I

Introduction to Gender Studies in Literature and 'The Chess Players' by Munshi Premchand - 'The Chess Players' and 'Shooting an Elephant' by George Orwell

Module II

Heart of Darkness by Joseph Conrad - 'The Fly' by Katherine Mansfield

Module II

Look Back in Anger by John Osborne - Gender, Films, and Advertisements

TOTAL PERIODS: 30

COURSE OBJECTIVES

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

- Know the Introduction to Gender Studies in Literature
- follow the Joseph Conrad and Katherine Mansfield.
- create gender related films and advertisements .

TEXT BOOKS:

1. Gender Trouble, Judith Butler
2. Masculinities, R. W. Connell

REFERENCES:

1. Literature and Gender, Lizbeth Goodman

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/III

Name of the course : 20CEVC301 Gender literature

S:No	Register Number	Student Name	27/7/20	28/7/20	29/7/20	30/7/20	31/7/20
1	19103002	CARMAL MARY JOY	/	/	/	/	/
2	19103004	IGNASHIOUS PINTO.A	/	/	/	/	/
3	19103005	KRISHNAN.V.K	/	/	/	/	/
4	19103006	MANOSRI.V	/	/	/	/	/
5	19103007	MUKILARASU.M	/	/	/	/	/
6	19103009	NIMAL RAJ.P	/	/	/	/	/
7	19103010	PRADEEPKUMAR.K	/	/	/	/	/
8	19103011	PRADEEP.R	/	/	/	AB	/
9	19103012	PRAVEEN KUMAR.G	/	/	/	/	/
10	19103013	PRIYADARSHINI.C	/	AB	/	/	/
11	19103014	PRIYAHARUN.M	/	/	/	/	/
12	19103015	RAMPRASATH.V	/	/	/	/	/
13	19103016	RISHIVASAN.K	AB	AB	AB	AB	AB
14	19103020	SUGAPRIYA.C	/	/	/	/	/
15	19103021	SURENDHAR.S	/	/	/	/	/
16	19103022	SURESH.K	/	/	/	/	/
17	19103023	SURYA.R	/	/	/	AB	/
18	19103024	THANGA PANDI.S	/	/	/	/	/
19	19103025	UDHAYAKUMARAN.S	/	/	/	/	/
20	19103027	VEERESWARAN.S	/	/	/	/	/
21	19103301	ANTO ANGEL JEBES .G	AB	AB	AB	AB	AB
22	19103302	ARULKUMAR .B	/	/	/	/	/
23	19103303	DURGADEVI.D	/	/	/	/	/
24	19103304	LAKSHMANAN.M	/	/	/	/	/
25	19103305	RAMAN.M	/	/	/	/	/

26	19103306	SEKAR.S	AB	AB	AB	AB	AB
27	19103307	SHOWBHAKIYAWATHY.A.C	/	/	/	/	/
28	19103308	VASANTHA KUMAR .S	/	AB	/	/	/
29	19103309	ATCHAYA .G	/	/	/	/	/
30	19103310	JAIHINTH.R	/	/	/	AB	/
31	19103311	SOWMIYA.G	/	/	/	/	/

S. Sathesh Kumar

HoD-Civil

Course Incharge

1. Ms.S.Gayathri, AP/Civil

2. Mr.S.Satheeshkumar, AP/Civil



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 **Second year** has successfully completed the Value added Course 20CEVC301 Gender Literature. The duration of the Course is 30hours .(**27/07/2020 to 31/07/2020**) .

A handwritten signature in black ink, appearing to be 'S. Jeyaraj', written above a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'S. Jeyaraj', written above a horizontal line.

HoD

A handwritten signature in blue ink, appearing to be 'P. Jeyaraj', written above a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

IGNASHIOUS PINTO A

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 20CEVC301 Gender Literature. The duration of the Course is 30hours .(**27/07/2020 to 31/07/2020**) .

A handwritten signature in black ink, appearing to be 'S. Jeyaraj', written above a horizontal line.

Course Incharge

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HoD

A handwritten signature in blue ink, appearing to be 'P. Jeyaraj', written above a horizontal line.

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

KRISHNAN V K

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 20CEVC301 Gender Literature. The duration of the Course is 30hours .(**27/07/2020 to 31/07/2020**) .

A handwritten signature in black ink, appearing to be 'S. Jeyaraj', written above a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'S. Jeyaraj', written above a horizontal line.

HoD

A handwritten signature in blue ink, appearing to be 'P. Jeyaraj', written above a horizontal line.

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

MANOSRI V

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 20CEVC301 Gender Literature. The duration of the Course is 30hours .(**27/07/2020 to 31/07/2020**) .

A handwritten signature in black ink, appearing to be 'S. Jeyaraj', written above a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'S. Jeyaraj', written above a horizontal line.

HoD

A handwritten signature in blue ink, appearing to be 'P. Jeyaraj', written above a horizontal line.

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

MUKILARASU M

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 20CEVC301 Gender Literature. The duration of the Course is 30hours .(**27/07/2020 to 31/07/2020**) .

A handwritten signature in black ink, appearing to be 'S. Jeyaraj', written above a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'S. Jeyaraj', written above a horizontal line.

HoD

A handwritten signature in blue ink, appearing to be 'P. Jeyaraj', written above a horizontal line.

Principal

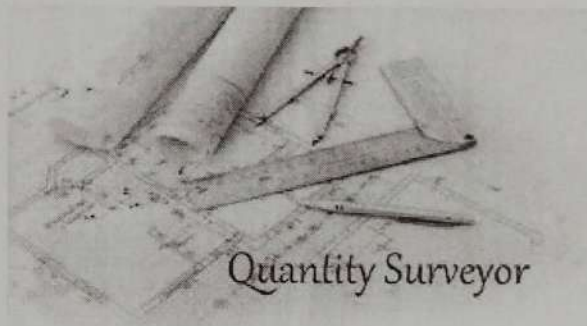
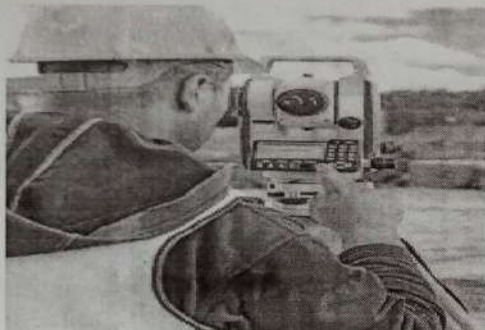


PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL – 637 018 DEPARTMENT OF CIVIL ENGINEERING

Value Added Course

20CEVC401 – HIGHER SURVEYING



- ❖ This course gives knowledge on Conventional survey techniques are all about measuring 2D or 3D coordinates of a point for mapping of a surface. Though accurate, these techniques are time consuming for topographic mapping.
- ❖ Therefore, these techniques have been extensively used in many areas of engineering by students, researchers, and industries. On the other hand, the fundamental concepts of most of the advanced surveying techniques are not clear to all users. This course on Higher Surveying discusses about the modern techniques of advanced surveying, their fundamental concepts, data acquisition, data processing, and applications.

Date: 01.02.2021 to 05.02.2021

Online Mode: Microsoft Teams

Course Co-ordinator:

1. Mrs.B.Karthiga
2. Mrs.A.Dharani



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF CIVIL ENGINEERING

DATE: 25.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on “**20CEVC401 – HIGHER SURVEYING**” for Fourth semester students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their names to the course Incharge Mrs.B.Karthiga, AP/Civil on or before 31.01.2021.

Course Incharge:

1. Mrs.B.Karthiga, AP/Civil
2. Mrs.A.Dharani, AP/Civil

HOD/Civil

Copy to:

Notice board.

20CEVC401 HIGHER SURVEYING

COURSE OBJECTIVES

To enable the students to

- gain basic knowledge on Higher Surveying
- develop basic knowledge on Fundamentals of Astronomy
- know the methods of adjustments

Module I

Introduction to Higher Surveying - Understanding reference system, reference frame, and coordinate system for Earth - Coordinate and datum transformations - Projected coordinate system.

Module II

Fundamentals of astronomy - Applications of concepts of astronomy – Time - Application of concepts of astronomy and time - Applications of error propagation.

Module II

Observation Equation Method of adjustments - Condition Equation Method and Combined Method of adjustments.

TOTAL PERIODS: 30

COURSE OBJECTIVES

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

- understand the reference system, reference frame, and coordinate system for Earth.
- apply the concepts of astronomy and time.
- differentiate the Condition Equation Method and Combined Method of adjustments.

TEXT BOOKS:

1. Elements of Photogrammetry with Application in GIS, by Paul R Wolf, Bon A DeWitt, and Benjamin E Wilkinson, 4th ed, McGraw-Hill Education, 2014.
2. Introduction to Modern Photogrammetry, by E M Mekhail, 1st ed, Wiley, 2001.

REFERENCES:

1. Bathymetry: Concepts and Applications, by J Harper (Editor), Callisto Reference, 2015.
2. Elements of Hydrographic Surveying, by G W Logan, Forgotten Books, 2017.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/IV

Name of the course : 20CEVC401 Higher Surveying

S.No	Register Number	Student Name	1/2/21	2/2/21	3/2/21	4/2/21	5/2/21
1	19103002	CARMAL MARY JOY	/	/	/	/	/
2	19103004	IGNASHIOUS PINTO.A	/	/	/	/	/
3	19103005	KRISHNAN.V.K	/	AB	/	/	/
4	19103006	MANOSRI.V	/	/	/	/	/
5	19103007	MUKILARASU.M	/	/	/	/	/
6	19103009	NIMAL RAJ.P	/	/	/	/	/
7	19103010	PRADEEPKUMAR.K	/	/	/	/	/
8	19103011	PRADEEP.R	/	/	/	/	AB
9	19103012	PRAVEEN KUMAR.G	/	/	/	/	/
10	19103013	PRIYADARSHINI.C	/	/	/	/	/
11	19103014	PRIYAHARUN.M	/	/	/	/	/
12	19103015	RAMPRASATH.V	AB	/	/	/	/
13	19103016	RISHIVASAN.K	AB	AB	AB	/	/
14	19103020	SUGAPRIYA.C	/	/	/	/	/
15	19103021	SURENDHAR.S	/	/	/	/	/
16	19103022	SURESH.K	/	/	/	/	/
17	19103023	SURYA.R	/	/	/	/	/
18	19103024	THANGA PANDI.S	/	/	/	/	/
19	19103025	UDHAYAKUMARAN.S	/	/	/	/	/
20	19103027	VEERESWARAN.S	/	/	/	/	/
21	19103301	ANTO ANGEL JEBES .G	AB	AB	/	/	/
22	19103302	ARULKUMAR .B	/	/	/	/	AB
23	19103303	DURGADEVI.D	/	/	/	/	/
24	19103304	LAKSHMANAN.M	/	/	/	/	/
25	19103305	RAMAN.M	/	/	/	/	/

26	19103306	SEKAR.S	/	/	AB	AB	AB
27	19103307	SHOWBHAKIYAWATHY.A.C	/	/	/	/	/
28	19103308	VASANTHA KUMAR .S	/	/	/	/	/
29	19103309	ATCHAYA .G	/	/	/	/	/
30	19103310	JAIHINTH.R	AB	/	/	/	/
31	19103311	SOWMIYA.G	/	/	/	/	/

Course Incharge

1. Mrs.B.Karthiga, AP/Civil

2. Mrs.A.Dharani, AP/Civil

S. Dharani
HoD-Civil



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

IGNASHIOUS PINTO A

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 20CEVC401 Higher Surveying. The duration of the Course is 30hours .(**01/02/2021 to 05/02/2021**) .

A handwritten signature in purple ink, appearing to be 'S. Jeyaraj', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'S. Jeyaraj', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to be 'P. Jeyaraj', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

MUKILARASU M

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 20CEVC401 Higher Surveying. The duration of the Course is 30hours .(**01/02/2021 to 05/02/2021**) .

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Course Incharge

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HoD

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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

PRADEEPKUMAR K

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 20CEVC401 Higher Surveying. The duration of the Course is 30hours .(**01/02/2021 to 05/02/2021**) .

A handwritten signature in purple ink, appearing to be 'S. Jeyaraj', written over a horizontal line.

Course Incharge

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HoD

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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 **Second year** has successfully completed the Value added Course 20CEVC401 Higher Surveying. The duration of the Course is 30hours .(**01/02/2021 to 05/02/2021**) .

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Course Incharge

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HoD

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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

SURYA K

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 20CEVC401 Higher Surveying. The duration of the Course is 30hours .(**01/02/2021 to 05/02/2021**) .

A handwritten signature in purple ink, appearing to be 'S. Jeyaraj', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'S. Jeyaraj', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to be 'P. Jeyaraj', written over a horizontal line.

Principal

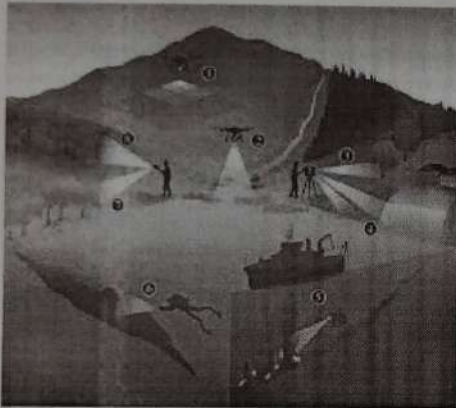


PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL – 637 018
DEPARTMENT OF CIVIL ENGINEERING

Value Added Course

20CEVC501 – PHOTO GEOLOGY IN TERRAIN EVALUATION



- ❖ This course deals with aerial photography to assess and map landscape change is a crucial element of ecosystem management. Aerial photographs are ideal for mapping small ecosystems and fine-scale landscape features, such as riparian areas or individual trees, because they often possess a high level of spatial and radiometric (tonal) detail.
- ❖ Aerial photography is the collection of photographs using an airborne camera. Photographs are essentially a representation of the reflectance characteristics (relative brightness) of features recorded onto photographic film.

Date: 27.07.2020 to 31.07.2020

Online Mode: Microsoft Teams

Course Co-ordinator:

1. Mr.P.Vignesh
2. Mr.M.Gobinath



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF CIVIL ENGINEERING

DATE: 20.07.2020

CIRCULAR

It is planned to conduct Five Days Value Added Course on “**20CEVC501 – PHOTO ECOLOGY IN TERRAIN EVALUATION**” for Fifth semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their names to the course Incharge Mr.P.Vignesh, AP/Civil on or before 26.07.2020.

Course Incharge:

1. Mr.P.Vignesh, AP/Civil
2. Mr.M.Gobinath, AP/Civil

HOD/Civil

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20CEVC501 PHOTO GEOLOGY IN TERRAIN EVALUATION

COURSE OBJECTIVES

To enable the students to

- know the basic idea on Photogeology.
- gain knowledge on Sedimentary Rocks, Metamorphic Rocks, Igneous Rocks.
- gain knowledge on Geomorphology

Module I

Introduction to Photogeology and its Applications, Aerial Photography/ Satellite Imaging and their Applications, Aerial/ Satellite Photographs and Exercise on handling photographs, Principles of Stereoscopy and Exercise on creating 3D image using Stereoscope.

Module II

Introduction to Lithology Sedimentary Rocks, Metamorphic Rocks, Igneous Rocks, Related Exercise, Introduction to Physical and Structural geology.

Module II

Introduction to Physical and Structural geology Related Exercise on Identification of structures, Fluvial Geomorphology Exercise on Landform Mapping, Fluvial Geomorphology Exercise on Terrace Mapping, Morphometric Analysis Exercise on performing Morphometric Analysis, Generation of Anaglyph using Stereo-pair in ENVI software Lab Exercise.

TOTAL PERIODS: 30

COURSE OBJECTIVES

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

- gain knowledge on Satellite Imaging and their Applications.
- develop the ideas on Sedimentary Rocks, Metamorphic Rocks, Igneous Rocks.
- know the ENVI software .

TEXT BOOKS:

1. Lueder D. R., Aerial Photographic Interpretation, McGraw-Hill Book Company, 1959.
2. Pandey S. N, Principles and Applications of Photogeology, Wiley Eastern, 1987.

REFERENCES:

1. Keller, E, A., Environmental Geology, Prentice Hall, 9th edition, 2011.
2. Lillesand, T. M. & Kiefer, R. W., Remote Sensing and Image Interpretation, John Wiley & Sons, 3rd edition 1994.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III/V

Name of the course : 20CEVC501 Photo Ecology in Terrain Evaluation

S.No	Register Number	Student Name	21/7/20	28/7/20	29/7/20	30/7/20	31/7/20
1	18103001	AAKASH.S	/	AB	/	/	/
2	18103002	AKASH KUMAR.A	/	/	/	/	/
3	18103003	ARAVINTH.E	/	/	/	/	/
4	18103005	BALAKHARTHIKEYAN.B	/	/	/	/	/
5	18103006	BALAYOKESHWARAN.B	/	/	/	/	/
6	18103007	BAVITHRA.T	/	/	/	/	/
7	18103008	DHANALAKSHMI.M	/	/	AB	/	/
8	18103009	DHARSINI.S	/	/	/	/	/
9	18103010	DHILEEPKUMAR.V	/	/	/	/	/
10	18103011	DINESH.R	/	/	/	/	/
11	18103012	GOKUL.S	/	/	/	/	/
12	18103015	JAI SANKAR.T	/	/	/	/	/
13	18103016	KANNADHASAN.K	/	/	/	/	/
14	18103017	KARAN.K	/	/	/	/	/
15	18103018	KARTHICK S	AB	AB	AB	AB	AB
16	18103019	KISHOR.S	/	/	/	/	/
17	18103020	MAHALAKSHMI.M	/	/	/	AB	/
18	18103021	MANIKANDAN.M	/	/	/	/	/
19	18103022	NAVEEN KUMAR.V	/	/	/	/	/
20	18103023	NETHESH.N	/	/	/	/	/
21	18103024	PRADEEPAN.V	/	/	/	/	/
22	18103025	RAHUL.G	/	/	/	/	/
23	18103026	RAMALINGAM.D	/	/	/	/	/
24	18103027	SARATHBABU.N	/	/	/	/	/
25	18103028	SELVAPRABHU.P	/	/	/	/	/

26	18103029	SELVAPRAKASH.R	/	/	/	/	/
27	18103030	SOUNDHAR.V	/	/	/	/	/
28	18103031	SRI RAJA KUMARAN R	/	AB	/	/	/
29	18103032	SUGANESH.G	/	/	/	/	/
30	18103033	SURIYA.A	/	/	/	/	/
31	18103034	SUSHMAA.S.U	/	/	/	/	/
32	18103035	THOWFEEKHAN.A	/	/	/	AB	/
33	18103036	VALARMATHI.R	/	/	/	/	/
34	18103037	VASANTH KUMAR .P	/	/	/	/	/
35	18103302	DEVI.K	/	/	/	/	/
36	18103303	DIVYA.P	AB	AB	AB	AB	AB
37	18103304	JANANI SHARMILY.T	/	/	/	/	/
38	18103305	MENAKA.S	/	/	/	/	/
39	18103306	MOHAMMED ASIFF.M	/	/	/	/	/
40	18103307	MONISHA.C	/	/	/	/	/
41	18103308	NAVEEN.V	/	/	/	/	/
42	18103309	SUMAN.S	/	/	/	/	/
43	18103310	VEERAMANI.R	AB	AB	AB	/	/

Course Incharge

1. Mr.P.Vignesh, AP/Civil

2. Mr.M.Gobinath, AP/Civil

(Signature)

HoD-Civil



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

AAKASH S

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 20CEVC501 Photo Ecology in Terrain Evaluation. The duration of the Course is 30hours .

(27/07/2020 to 31/07/2020) .

A handwritten signature in blue ink, appearing to be 'P. Vignesh', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'S. S. S. S.', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to be 'P.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Civil Engineering

CERTIFICATE

This is to certify that

ARAVINTH E

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 20CEVC501 Photo Ecology in Terrain Evaluation. The duration of the Course is 30hours .

(27/07/2020 to 31/07/2020) .

A handwritten signature in blue ink, appearing to be 'P. Vignesh', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'S. S. S. S.', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to be 'P. Vignesh', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

BALAKARTHIKEYAN B

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 20CEVC501 Photo Ecology in Terrain Evaluation. The duration of the Course is 30hours .

(27/07/2020 to 31/07/2020) .

A handwritten signature in blue ink, appearing to be 'P. Vignesh', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'S. S. S. S.', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to be 'P. Vignesh', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

BAVITHRA T

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 20CEVC501 Photo Ecology in Terrain Evaluation. The duration of the Course is 30hours .

(27/07/2020 to 31/07/2020) .

A handwritten signature in blue ink, appearing to be 'P. Vignesh', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'S. S. S. S.', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to be 'P. Vignesh', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

DHARSHINI S

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 20CEVC501 Photo Ecology in Terrain Evaluation. The duration of the Course is 30hours .

(27/07/2020 to 31/07/2020) .

A handwritten signature in blue ink, appearing to be 'P. Vignesh', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'S. S. S. S.', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to be 'P. Vignesh', written over a horizontal line.

Principal

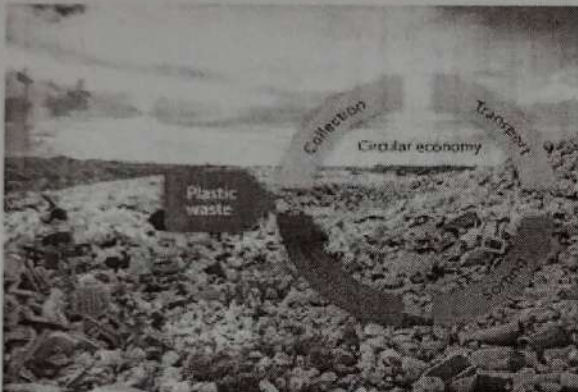


PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL – 637 018
DEPARTMENT OF CIVIL ENGINEERING

Value Added Course

20CEVC601 – PLASTIC WASTE MANAGEMENT



- ❖ This course provides an initiative to control the amount of plastic waste in the environment by adopting circular economy and other environmental-friendly disposal solution. It aims to ban plastic products which affordable alternatives are available, encourage plastic production with circular materials, and establish high uptake of recycled plastics.
- ❖ Plastic waste management is a highly complex global issue and requires collaboration among countries and communities to solve it. To date, there have already been several initiatives announced across the world to control plastic waste and minimize the impact of plastic pollution. However, in this reading, we will only go over several selected waste management steps that have a global impact.

Date: 01.02.2021 to 05.02.2021

Online Mode: Microsoft Teams

Course Co-ordinator:

1. Mrs.J.Umanambi
2. Mr.K.R.Prabhakaran



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF CIVIL ENGINEERING

DATE: 25.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on “**20CEVC601 – PLASTIC WASTE MANAGEMENT**” for Sixth semester students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their names to the course Incharge Mrs.J.Umanambi, HOD/Civil on or before 31.01.2021.

Course Incharge:

1. Mrs.J.Umanambi, HOD/Civil
2. Mr.K.R.Prabhakaran, AP/Civil

HOD/Civil

Copy to:

Notice board.

20CEVC601 PLASTIC WASTE MANAGEMENT

COURSE OBJECTIVES

To enable the students to

- gain basic knowledge on Plastic waste
- know the idea on Global Rules and Regulations
- understand the basics of Plastic Waste Management Practices

Module I

Plastics - Plastic Waste – Sources, Production, Global and Indian Context - Plastic Waste Management Rules 2016 (India) and Global Rules and Regulations.

Module II

Plastic Bans including China Sword Policy implication on global plastic waste management - Impact of Plastics on Marine Life, Effect on Wildlife, Human Health and Environment

Module II

Plastic Waste Management Practices – Use of Plastic waste in roads, issues and challenges - Possible Alternate Materials to Plastics –Greener Alternatives - Plastics Resource Recovery and Circular Economy.

TOTAL PERIODS: 30

COURSE OBJECTIVES

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

- Know the sources and production of plastic waste
- Apply knowledge on Use of Plastic waste in roads, issues and challenges.
- know various plastic waste management practices

TEXT BOOKS:

1. Plastics Waste Management by Murali srinivasan Natamai Subramanian

REFERENCES:

1. Plastics waste management in India: An integrated solid waste management approach by Yung-Tse Hung, Lawrence K. Wang and Nazih Shammass, Publisher: World Scientific Publishing Co., Singapore.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III/VI

Name of the course : 20CEVC601 Plastic Waste Management

S:No	Register Number	Student Name	1/2/21	2/2/21	3/2/21	4/2/21	5/2/21
1	18103001	AAKASH.S	/	/	/	/	/
2	18103002	AKASH KUMAR.A	/	/	/	/	/
3	18103003	ARAVINTH.E	/	/	/	/	/
4	18103005	BALAKHARTHIKEYAN.B	/	/		/	/
5	18103006	BALAYOKESHWARAN.B	/	/	/	/	/
6	18103007	BAVITHRA.T	/	/	/	/	/
7	18103008	DHANALAKSHMI.M	/	/	/	/	/
8	18103009	DHARSINI.S	/	/	/	/	/
9	18103010	DHILEEPKUMAR.V	/	/	AB	/	/
10	18103011	DINESH.R	AB	/	/	/	/
11	18103012	GOKUL.S	/	/	/	/	/
12	18103015	JAI SANKAR.T	/	/	/	/	/
13	18103016	KANNADHASAN.K	/	/	/	/	AB
14	18103017	KARAN.K	/	/	/	/	/
15	18103018	KARTHICK S	AB	AB	AB	AB	AB
16	18103019	KISHOR.S	/	/	/	/	/
17	18103020	MAHALAKSHMI.M	/	/	/	/	/
18	18103021	MANIKANDAN.M	/	/	/	/	/
19	18103022	NAVEEN KUMAR.V	/	/	/	/	/
20	18103023	NETHESH.N	/	/	/	/	/
21	18103024	PRADEEPAN.V	/	/	/	/	/
22	18103025	RAHUL.G	/	/	/	/	/
23	18103026	RAMALINGAM.D	/	/	/	/	/
24	18103027	SARATHBABU.N	AB	/	/	/	/
25	18103028	SELVAPRABHU.P	/	/	/	/	/

26	18103029	SELVAPRAKASH.R	/	/	/	/	/
27	18103030	SOUNDHAR.V	/	/	/	/	/
28	18103031	SRI RAJA KUMARAN R	/	/	/	/	AB
29	18103032	SUGANESH.G	/	/	AB	/	/
30	18103033	SURIYA.A	/	/	/	/	/
31	18103034	SUSHMAA.S.U	/	/	/	/	/
32	18103035	THOWFEEKHAN.A	/	/	/	/	/
33	18103036	VALARMATHI.R	/	/	/	/	/
34	18103037	VASANTH KUMAR .P	/	/	/	/	/
35	18103302	DEVI.K	/	/	/	/	/
36	18103303	DIVYA.P	AB	AB	AB	AB	AB
37	18103304	JANANI SHARMILY.T	/	/	/	/	/
38	18103305	MENAKA.S	/	/	/	/	/
39	18103306	MOHAMMED ASIFF.M	/	/	/	/	/
40	18103307	MONISHA.C	/	/	/	/	/
41	18103308	NAVEEN.V	/	/	/	/	/
42	18103309	SUMAN.S	/	/	/	/	/
43	18103310	VEERAMANI.R	/	AB	AB	AB	AB

Course Incharge

1. Mrs.J.Umanambi, HOD/Civil

2. Mr.K.R.Prabhakaran, AP/Civil


HoD-Civil



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

AAKASH S

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 20CEVC601 Plastic Waste Management. The duration of the Course is 30hours.

(01/02/2021 to 05/02/2021) .

A handwritten signature in black ink, appearing to read 'K. R. Subramanian', written over a horizontal line.

Course Incharge

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HoD

A handwritten signature in blue ink, appearing to read 'P. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

DHANALAKSHMI M

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 20CEVC601 Plastic Waste Management. The duration of the Course is 30hours.

(01/02/2021 to 05/02/2021) .

A handwritten signature in black ink, appearing to read 'K. R. Subramanian', positioned above a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to read 'S. S. S. S.', positioned above a horizontal line.

HoD

A handwritten signature in blue ink, appearing to read 'P. S.', positioned above a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

JAI SANKAR T

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 20CEVC601 Plastic Waste Management. The duration of the Course is 30hours.

(01/02/2021 to 05/02/2021) .

A handwritten signature in black ink, appearing to read 'K. R. Subramanian', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to read 'S. S. Sankar', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to read 'P. S. Sankar', written over a horizontal line.

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

KANNADHASAN K

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 20CEVC601 Plastic Waste Management. The duration of the Course is 30hours.

(01/02/2021 to 05/02/2021) .

A handwritten signature in black ink, appearing to read 'K. R. P. Subramanian', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to read 'S. S. S. S.', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to read 'P.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

KISHOR S

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 20CEVC601 Plastic Waste Management. The duration of the Course is 30hours.

(01/02/2021 to 05/02/2021) .

A handwritten signature in black ink, appearing to read 'K. R. Subramanian', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to read 'S. S. S. S.', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to read 'P. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL – 637 018
DEPARTMENT OF CIVIL ENGINEERING

Value Added Course

20CEVC801 – LEADERSHIP AND TEAM EFFECTIVENESS



- ❖ This course deals with Introduction to Leadership & Team Management, LMX Theory and Normative Decision Model, Leadership Attributes, Power and Leadership, Leadership Behaviour, Leadership Pipeline.
- ❖ This course emphasis on Negotiation and Leadership, Motivation and Leadership, Delegation and Empowerment, Understanding Team processes and Team Coaching, Building Effective Relationship with subordinates and peers and Building High-Performance Teams.

Date: 01.02.2021 to 05.02.2021

Online Mode: Microsoft Teams

Course Co-ordinator:

1. Mrs.S.Rajeswari
2. Mr.S.Suryaprakash



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF CIVIL ENGINEERING

DATE: 25.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on **"20CEVC801 – LEADERSHIP AND TEAM EFFECTIVENESS"** for Eighth semester students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their names to the course Incharge Mrs.S.Rajeswari, AP/Civil on or before 31.01.2021.

Course Incharge:

1. Mrs.S.Rajeswari, AP/Civil
2. Mr.S.Suryaprakash, AP/Civil

HOD/Civil

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20CEVC801 LEADERSHIP AND TEAM EFFECTIVENESS

COURSE OBJECTIVES

To enable the students to

- gain knowledge on Leadership & Team Management
- know the points related to Emotional Intelligence and Leadership.
- gain knowledge on Characteristics of Leader, Follower and Situation

Module I

Introduction to Leadership & Team Management; Leadership Myths; Interactional Framework for analyzing leadership; Leadership Development: The First 90 Days as a Leader; Leader Development- The Action-Observation-Reflection Model.

Module II

Personality Traits and Leadership; Personality Types and Leadership; Intelligence and Leadership; Emotional Intelligence and Leadership.

Module II

Introduction to Groups and Teams; Characteristics of Leader, Follower and Situation; Group Dynamics; Team Formation.

TOTAL PERIODS: 30

COURSE OBJECTIVES

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

- analysis the leadership skills
- develop Intelligence and Leadership skills
- differentiate Groups and Teams

TEXT BOOKS:

1. Leadership: Enhancing the lessons of experience by Hughes, R.L., Ginnett, R.C., & Curphy, G.J. (2019), 9th Edition, McGraw Hill Education, Chennai, India.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV/VIII

Name of the course : 20CEVC801 Leadership and Team Effectiveness

S.No	Register Number	Student Name	1/2/21	2/2/21	3/2/21	4/2/21	5/2/21
1	17103001	AJITHKUMAR.S	/	/	/	/	/
2	17103002	AKASH.M	AB	AB	/	/	/
3	17103003	AKSHAY.P	/	/	/	/	/
4	17103004	AMEERKHAN.M	/	/	/	/	/
5	17103005	ANIDHA.J	/	/	/	/	/
6	17103006	ARUNDHAVARAJ.A	/	/	/	/	/
7	17103007	CHITHIRAISELVAN.P	/	/	/	/	/
8	17103008	DHARMA.K	/	/	/	/	/
9	17103009	GIRITHIHA.R	/	/	/	/	/
10	17103010	GOKULSRIRAM.V	/	/	/	/	/
11	17103011	GULAM RASOOLMOHAMED.S	/	/	/	/	/
12	17103012	HARIDOSS.V	/	/	/	/	/
13	17103013	HARIHARAN.M	AB	AB	AB	AB	AB
14	17103016	JOHNSON.S	/	/	/	/	/
15	17103019	LOKESHWARAN.M	/	/	/	/	/
16	17103020	MUTHUPANDI.G	/	/	/	/	/
17	17103021	NARASIMAN.M	AB	AB	AB	AB	AB
18	17103023	PRAVIN KUMAR.M	/	/	/	/	/
19	17103024	RAGULRAJ.S	/	/	/	/	/
20	17103025	RAJESH.R	/	/	/	/	/
21	17103026	RAVIKUMAR.P	/	/	/	/	/
22	17103027	SANJUVARMAN.G	AB	AB	AB	/	/
23	17103028	SANTHOSHKUMAR.M	/	/	/	/	/
24	17103029	SARAVANAN.M	/	/	/	/	/
25	17103030	SREEDHU.S.KUMAR	/	/	/	/	/

26	17103033	SUBASHOBANA.R	/	/	/	/	/
27	17103034	SUDHARSAN.S	/	/	/	/	/
28	17103035	THENNARASU.V	/	/	/	/	/
29	17103036	VASANTHAN.R	/	/	/	/	/
30	17103301	FAYAZ AHAMED. J	/	AB	/	/	/
31	17103302	MUGESHKUMAR. S	/	/	/	/	/
32	17103303	VIVEK WESTER. M	/	/	/	/	/
33	17103304	KARMEGAM.R	AB	AB	/	/	/
34	17103305	POOTHATHAN.V	/	/	/	AB	AB
35	17103502	ILAKKIYA S	/	/	/	/	/
36	17103503	SANJITHKUMAR M	/	/	/	AB	/

Course Incharge

1. Mrs.S.Rajeswari, AP/Civil

2. Mr.S.Suryaprakash, AP/Civil

S. Suresh Kumar

HoD-Civil



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

GULAM RASOOL MOHAMMED S

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 20CEVC801 Leadership and Team Effectiveness. The duration of the Course is 30hours .

(01/02/2021 to 05/02/2021) .

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Course Incharge

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HoD

A handwritten signature in blue ink, appearing to be 'S. Jeyaraj', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

JOHNSON S

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 20CEVC801 Leadership and Team Effectiveness. The duration of the Course is 30hours .

(01/02/2021 to 05/02/2021) .

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Course Incharge

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HoD

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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

LOKESHWARAN M

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 20CEVC801 Leadership and Team Effectiveness. The duration of the Course is 30hours .

(01/02/2021 to 05/02/2021) .

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Course Incharge

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HoD

A handwritten signature in blue ink, appearing to be 'P. S.', written over a horizontal line.

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

RAGULRAJ S

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 20CEVC801 Leadership and Team Effectiveness. The duration of the Course is 30hours .

(01/02/2021 to 05/02/2021) .

A handwritten signature in blue ink, appearing to be 'S. Jeyaraj', written over a horizontal line.

Course Incharge

A handwritten signature in blue ink, appearing to be 'S. Jeyaraj', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to be 'P. Jeyaraj', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

RAJESH R

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 20CEVC801 Leadership and Team Effectiveness. The duration of the Course is 30hours .

(01/02/2021 to 05/02/2021) .

A handwritten signature in blue ink, appearing to be 'S. Jeyaraj', written over a horizontal line.

Course Incharge

A handwritten signature in blue ink, appearing to be 'S. Jeyaraj', written over a horizontal line.

HoD

A handwritten signature in blue ink, appearing to be 'P. Jeyaraj', written over a horizontal line.

Principal

**DEPARTMENT OF COMPUTER SCIENCE
AND ENGINEERING**

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MINING MASSIVE DATASETS

The sets of data that may be from large surveys or studies and contain raw data, microdata (information on individual respondents), or all variables for export and manipulation.



Data mining is a process of extracting and discovering patterns in large data sets involving methods at the intersection of machine learning, statistics, and database systems

INTENDED AUDIENCE

- IV Year of B.E, B.Tech - Students
- Students able to create websites, they communicate with the server by using XMLHttpRequest

Date: 27.07.2020 - 31.07.2020

COURSE INCHARGE

P.Renukadevi, ASP

COURSE OBJECTIVES

To enable the students to

- Know about the fundamental of mining massive datasets.
- Critically solving the sampling data in a stream.
- study about the techniques and mining applications.

UNIT 1 Data Mining

What is Data Mining? Statistical Limits on Data Mining- Bonferroni's Principle- Importance of Words in Documents- Hash Functions- The Base of Natural Logarithms- Power Laws.

UNIT 2 Mining Data Streams

The Stream Data Mode- A Data-Stream-Management System- Issues in Stream Processing- Sampling Data in a Stream- The General Sampling Problem- Varying the Sample Size- Filtering Streams- Analysis of Bloom Filtering.

UNIT 3 Clustering

Introduction to Clustering Techniques- Clustering Strategies- The Curse of Dimensionality- Hierarchical Clustering- Hierarchical Clustering in a Euclidean Space- Hierarchical Clustering in Non-Euclidean Spaces- The CURE Algorithm- Clustering for Streams and Parallelism.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- understand about the fundamental of mining massive datasets.
- learn the mining data streams and varying the sample size analysis.
- analyse the clustering technique and algorithm in mining massive datasets.

TEXTBOOKS

1. Jure Leskovec, Stanford Univ. Anand Rajaraman, Jure Leskovec and Jeffrey D. Ullman 2013, 2014

REFERENCES

1. C.J.C. Burges, "A tutorial on support vector machines for pattern recognition," Data Mining and Knowledge Discovery 2 (1998), pp. 121-167.



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DATE: 20.07.2020

CIRCULAR

It is planned to conduct Five Days Value Added Course on " MINING MASSIVE DATASETS " for Third semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their names to the course coordinator P.Renukadevi ASP /CSE on or before 23.08.2017.

Course Co-coordinators: 1. E.Elanchezhiyan AP /CSE
2. D.Yogapriya AP /CSE


HOD/CSE

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Academic Year: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

Year/Semester : II/III

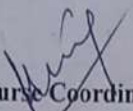
Name of the course : 20CSVC301 MINING MASSIVE DATASETS

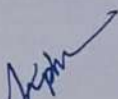
S.NO	REGISTER NUMBER	NAME	27.07.2020	28.07.2020	29.07.2020	30.07.2020	31.07.2020
1	19104001	R.Abinesh	/	/	/	/	/
2	19104002	P.Abirami	/	/	/	/	/
3	19104003	Adhish.M	/	/	/	/	/
4	19104005	A.Amirthavarshini	/	/	/	/	a
5	19104006	S.Aravind Raj	/	/	/	/	/
6	19104007	S.Aravinth	/	/	/	/	/
7	19104008	Arul Prashath.R	/	/	/	/	/
8	19104009	A.Arun Kumar	a	a	a	a	a
9	19104010	P.Arunkumar	/	/	/	/	/
10	19104011	A Ashwin	/	/	/	/	/
11	19104012	Aswath.S	/	/	/	/	/
12	19104013	V.Bala Krishanan	/	/	/	/	/
13	19104014	Balamurugan.K	/	/	/	/	/
14	19104015	Bharath Kumar.G	/	a	/	/	/
15	19104016	Bhavan Ramana.E	/	/	/	/	/
16	19104018	P.Chandru	/	/	/	/	/
17	19104019	Cherub Ebenezer	/	/	a	/	/
18	19104020	K.Deenadhayalan	/	/	/	/	/
19	19104022	Dhanu Prasanth	/	/	/	/	/
20	19104023	Dharnish Raja. J	/	/	a	/	/
21	19104024	Dharshannath.Y	/	/	/	/	/
22	19104025	Gaviya Lakshmi. S	/	/	/	/	/
23	19104026	Gayathri.R	/	/	/	/	/
24	19104027	Gokila K.M	/	/	/	/	/
25	19104028	Gokul.R	/	/	/	/	/
26	19104029	Gopika.R	/	/	/	/	/
27	19104030	Gorla Chandu	/	/	/	/	a
28	19104031	Gowtham.K	/	/	/	/	/
29	19104032	M.Gunaseelan	/	/	/	/	/
30	19104033	R.Haripriya	/	/	/	/	/
31	19104034	Harishkumar.C	a	a	a	a	a
32	19104035	S.Hemalatha	/	/	/	/	/
33	19104036	T.Hemalatha	/	/	/	/	/
34	19104037	B.Induja	/	/	/	/	/

35	19104038	M.Inthuja	/	/	/	/	/
36	19104039	Iyyappan.N	/	/	/	/	/
37	19104040	Jaganathan.K	/	/	/	/	/
38	19104041	Jayabharathi Sp	/	/	/	a	/
39	19104042	Jayalakshmi.P	/	/	/	/	/
40	19104043	Karthik.P	/	/	/	/	/
41	19104044	M.Karthika	/	/	/	/	a
42	19104045	Karthikeyan.K	/	/	/	/	/
43	19104046	Kavimani.M	/	/	/	/	/
44	19104047	M.Kaviyarasu	/	/	/	/	/
45	19104048	M. Kiruthika	/	/	/	/	/
46	19104049	Kiruthika.R. A	/	/	/	a	/
47	19104051	S.Madesh	/	/	/	/	/
48	19104053	Madhusudhanan.S	/	/	/	/	/
49	19104054	Magima Sri .k.k	/	/	/	/	/
50	19104055	Mani Prabhu.T	a	/	/	/	/
51	19104056	A. Manikandan	/	/	/	/	/
52	19104057	Mathu Miithaa.M	a	a	a	a	a
53	19104058	Mohammed Raushan.M	/	/	/	/	/
54	19104059	Mohammed Salim.K	/	/	/	/	/
55	19104060	Mohan M	/	/	/	/	/
56	19104061	Monal. K	/	/	a	/	/
57	19104063	Monish V	/	/	/	/	/
58	19104064	S.Mugeshkumar	/	/	/	/	/
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65	19104070	Naveen.S	/	/	/	/	/
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100	19104107	Surendhar.S	a	/	/	/	/
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104	19104111	Swetha.M	a	a	a	a	a
105	19104112	Thavasi.S	/	/	/	/	/
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109	19104117	Varun Krishnan.V	/	/	/	/	/
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114	19104122	Vijayakumar.R	/	/	/	/	/
115	19104123	Vijayalakshmi.R	/	/	/	/	/

116	19104124	Vijayvenkateshwaran.M	\	\	\	\	\
117	19104125	Yuvarani.R	a	/	/	/	a
118	19104126	Yuvetha.S	/	/	/	/	/
119	19104301	Mohameed Hassan.Y	a	/	/	/	/
120	19104302	Prabu Deva.B	/	/	a	/	/


Course Coordinator


Hod



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

Vijayvenkateshwaran.M

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course "Mining Massive Datasets". The duration of the course is 30 hours
(27/07/2020 to 31/07/2020)

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Course Coordinator

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HOD

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Principal



PAAVAI ENGINEERING COLLEGE

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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

Satish.J

of Paavai Engineering College, studying in **Second Year** has successfully completed the
Value-added Course "**Mining Massive Datasets**". The duration of the course is 30 hours
(27/07/2020 to 31/07/2020)

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Course Coordinator

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HOD

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Principal



PAAVAI ENGINEERING COLLEGE

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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

V.Bala Krishanan

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course "Mining Massive Datasets ". The duration of the course is 30 hours
(27/07/2020 to 31/07/2020)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

Gaviya Lakshmi. S

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course "Mining Massive Datasets ". The duration of the course is 30 hours
(27/07/2020 to 31/07/2020)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

Priyadharshini.R

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course "Mining Massive Datasets". The duration of the course is 30 hours
(27/07/2020 to 31/07/2020)

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Course Coordinator

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HOD

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Principal

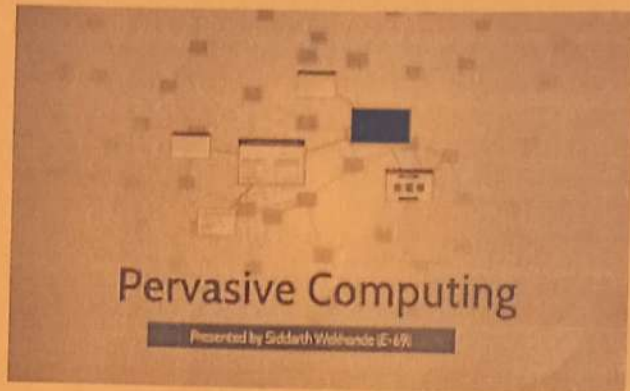
PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PERVASIVE COMPUTING

Pervasive computing, also called ubiquitous computing, is the growing trend of embedding computational capability (generally in the form of microprocessors) into everyday objects to make them effectively communicate and perform useful tasks in a way that minimizes the end user's need



It aims to make our lives simpler through the use of tools that allow us to manage information easily. These "tools" are a new class of intelligent, portable devices that allow the user to plug into powerful networks and gain direct, simple, and secure access to both relevant information and services.

INTENDED AUDIENCE

- II Year of B.E, B.Tech - Students
- Students able to know how the objects makes communication each other in and effective way by using pervasive computing

Date: 01.02.2022 - 05.05.2022

COURSE INCHARGE

V.Maheshkumar, AP



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

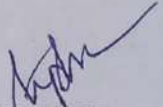
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DATE: 25.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "PERVASIVE COMPUTING " for Fourth semester students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their names to the course coordinator V.Maheshkumar AP /CSE on or before 28.01.2021.

Course Co-coordinators: 1. D.Yogapriya AP /CSE
2. E.Elanchezhian AP /CSE


HOD/CSE

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COURSE OBJECTIVES

To enable the students to

- Know about the basic wireless network.
- Study about the architecture scripts.
- Understand the concept of human machine interfaces and application.

UNIT 1 Mobile Network

Cellular Wireless Networks –GSM –Architecture –Protocols –Connection Establishment –Frequency Allocation –Routing –Mobility Management–Security–GPRS.

UNIT 2 Transport and Application Layer

Mobile TCP–WAP –Architecture –WWW Programming Model–WDP –WTLS –WTP –WSP –WAE –WTA Architecture –WML –WM Scripts.

UNIT 3 Pervasive Computing

Pervasive computing infrastructure-applications-Device Technology -Hardware, Human-machine Interfaces, Biometrics, and Operating systems–Device Connectivity –Protocols, Security, and Device Management.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Understand about the mobile management security.
- learn the programming model and scripts.
- analyse the device connectivity and technology interfaces of pervasive computing.

TEXTBOOKS

1. K. W. Cameron, R. Ge, X. Feng. "High-performance, power-aware distributed computing for scientific applications," IEEE Computer, Vol. 38, Nov 2005.

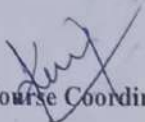
REFERENCES

1. Golden G. Richard III Frank Adelstein Sandeep K. S. Gupta Loren Schweibert

35	19104038	M.Inthuja	a	a	a	a	a
36	19104039	Iyyappan.N	\	\	\	\	\
37	19104040	Jaganathan.K	\	\	\	\	\
38	19104041	Jayabharathi Sp	\	\	a	\	\
39	19104042	Jayalakshmi.P	\	\	\	\	a
40	19104043	Karthik.P	\	\	\	\	\
41	19104044	M.Karthika	\	\	\	\	\
42	19104045	Karthikeyan.K	\	\	\	\	\
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45	19104048	M. Kiruthika	\	\	\	a	\
46	19104049	Kiruthika.R. A	\	\	\	\	\
47	19104051	S.Madesh	\	a	\	\	\
48	19104053	Madhusudhanan.S	\	\	\	\	\
49	19104054	Magima Sri .k.k	\	\	\	\	a
50	19104055	Mani Prabhu.T	\	\	\	\	\
51	19104056	A. Manikandan	\	\	\	\	\
52	19104057	Mathu Miithaa.M	\	\	\	\	\
53	19104058	Mohammed Raushan.M	a	a	a	a	a
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66	19104071	Nithyanandan .K	\	\	\	\	\
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68	19104073	Priyadharshini.M	\	\	\	\	\
69	19104074	Priyadharshini.R	\	\	\	\	\
70	19104075	Priyanka.G	\	\	\	\	\
71	19104077	Raghavan.B	\	\	\	\	\
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73	19104080	Ramalakshmanan Alias Manikandan.U	\	\	\	\	\
74	19104081	Ramkumar.K	\	\	\	\	\
75	19104082	Rohkith Roshan.S	\	\	\	\	\
76	19104083	Roshna R	\	\	\	\	\

77	19104084	Sam Daniel.D	\	\	\	\	\
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117	19104126	Yuvetha.S	\	\	\	\	\
118	19104301	Mohameed Hassan.Y	\	\	\	\	\
119	19104302	Prabu Deva.B	a	a	a	a	a


Course Coordinator


Hod



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

Arul Prashath.R

of Paavai Engineering College, studying in **Second Year** has successfully completed the
Value-added Course "**Pervasive Computing**". The duration of the course is 30 hours

(01/02/2021 to 05/02/2021)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

Yuvetha.S

of Paavai Engineering College, studying in **Second Year** has successfully completed the
Value-added Course "**Pervasive Computing**". The duration of the course is 30 hours
(01/02/2021 to 05/02/2021)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

Gorla Chandu

of Paavai Engineering College, studying in **Second Year** has successfully completed the
Value-added Course "**Pervasive Computing**". The duration of the course is 30 hours

(01/02/2021 to 05/02/2021)

A handwritten signature in black ink, appearing to read 'V Man', written over a horizontal line.

Course Coordinator

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HOD

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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

Karthik.P

of Paavai Engineering College, studying in **Second Year** has successfully completed the
Value-added Course "**Pervasive Computing**". The duration of the course is 30 hours
(01/02/2021 to 05/02/2021)

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Course Coordinator

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HOD

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Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

Mukesh.P

of Paavai Engineering College, studying in **Second Year** has successfully completed the
Value-added Course "**Pervasive Computing**". The duration of the course is 30 hours
(01/02/2021 to 05/02/2021)

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Course Coordinator

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HOD

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Principal

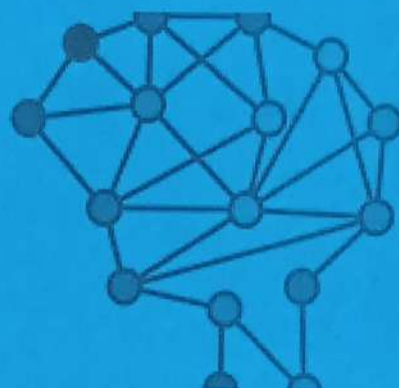
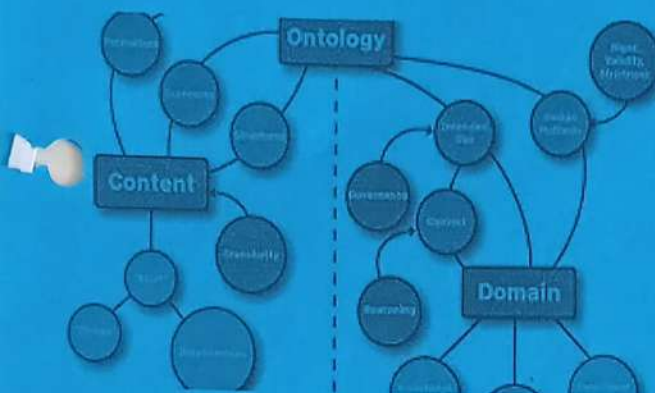
PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

THEORY AND APPLICATIONS OF ONTOLOGY

Ontologies do not replace databases, but can be used to augment them. Ontologies provide kind of a common vocabulary for multiple systems, so that data coming from one system can be processed in the other. You could, of course, define one fixed vocabulary to describe your data.



Theory and Applications of Ontology is a two-volume anthology that aims to further an informed discussion about the relationship between ontology in philosophy and ontology in information technology.

INTENDED AUDIENCE

- III Year of B.E, B.Tech - Students
- Students able to understand the theory of ontology and processing of data in different computers

Date: 27.07.2020 - 31.07.2020

COURSE INCHARGE

P.Renukadevi, **ASP**



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DATE: 20.07.2020

CIRCULAR

It is planned to conduct Five Days Value Added Course on " THEORY AND APPLICATIONS OF ONTOLOGY " for Fifth semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their names to the course coordinator P.Renukadevi ASP /CSE on or before 23.08.2017.

Course Co-coordinators: 1. P.Santhiya AP /CSE
2. R.Loganthan AP /CSE


HOD/CSE

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COURSE OBJECTIVES

To enable the students to

- learn the concept of ontologies.
- Know about the OWL2 syntax and reasoning.
- learn to module and verify the ontologies.

UNIT I INTRODUCTION

What are ontologies- What are concepts, classes, relations, and properties? - Ontologies as conceptual models: ER & UML diagrams- Foundational categories & relations- Informal Ontologies- Lightweight ontologies for the Semantic Web.

UNIT II THE WEB ONTOLOGY LANGUAGE

OWL2 syntax and semantics- Description Logics – OWL2 syntax- Reasoning with OWL2- Tableaux-based reasoning- Expressiveness and tractability tradeoff.

UNIT III ASPECTS OF LOGIC BASED ONTOLOGIES

Reference, domain, and application ontologies- Ontology patterns- Modules and relationships between ontologies- Ontology Verification- Definability.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- execute concept and class of ontologies.
- learn the concept of OWL syntax, reasoning and expressiveness.
- articulate the main concepts of ontology pattern.

TEXTBOOKS

1. Tatiana Gavrilova – Saint-Petersburg State Polytechnic University; Intelligent Computer Technologies Dept

REFERENCES

1. [Kernighan, Ritchie, 1988] Kernighan, B., Ritchie, D. C Programming Language (2nd Edition). Prentice Hall PTR; 2 editions: 1988.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Academic Year: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

Year/Semester : III/V

Name of the course : 20CSVC501 THEORY AND APPLICATIONS OF ONTOLOGY

S.NO	REGISTER NUMBER	NAME	27.07.2020	28.07.2020	29.07.2020	30.07.2020	31.07.2020
1	18104001	ABINESH.V	/	/	/	/	/
2	18104002	AISHWARYA.N.S	/	/	/	/	/
3	18104003	AJAY SURYA.C	/	/	/	/	/
4	18104004	AJAY SAMSON.A	/	/	a	/	/
5	18104005	AJIN.T.S	/	/	/	/	/
6	18104006	ALFIYAA.M	/	/	/	/	/
7	18104007	ARCHANA.A	/	/	/	/	/
8	18104008	ASHOK.V	/	/	/	/	/
9	18104009	AYSHWARIYA.J	/	/	/	/	/
10	18104010	BAIRAVAN.B	/	/	/	/	/
11	18104011	BALACHANDAR.K	/	/	/	/	/
12	18104012	BHARATH.U	a	a	a	a	a
13	18104013	CHANDRU.G.K	/	/	/	/	/
14	18104014	CHANDRU.M	/	/	/	/	/
15	18104015	CHOUTHRI.B	/	/	/	/	/
16	18104016	DHANISKUMAR.S	/	/	/	/	/
17	18104017	DHARMAN.K	/	/	/	/	/
18	18104018	DHARSINI.R	/	/	/	/	/
19	18104019	DHEENA.J	/	/	/	/	/
20	18104020	DHILIPAN.V.B	/	/	/	/	/
21	18104024	GABELASHAN.G.S	/	/	/	/	a
22	18104025	GIRIPRASATH.S	/	/	/	/	/
23	18104026	GOBINATH.S	/	/	/	/	/
24	18104027	GOKULRAJ.S	/	/	/	/	/
25	18104028	GOPALAKANNAN.K	/	/	/	/	/
26	18104029	HARIHARAN.V	a	/	/	/	/
27	18104030	HONESTRAJ.D	/	/	/	/	/
28	18104031	IMAYAVARAMBAN.R	/	/	/	/	/
29	18104032	JAYANTH KUMAR.J	/	/	/	/	/
30	18104033	JAYAVARTHANA.J	/	/	/	/	/
31	18104034	JEEVITHA.A	/	/	/	/	/
32	18104035	JOHNPANDIYAN.S	a	a	a	a	a
33	18104036	KAILASH.L.M	/	/	/	/	/
34	18104037	KALAIVANI.C	/	/	/	/	/
35	18104039	KARTHIKEYAN.M	/	/	/	/	/
36	18104040	KRISHNA KUMAR.G	/	/	/	/	/
37	18104041	KRISHNAKUMAR.A	/	/	a	/	/

38	18104042	KRISHNAPRASANTH.S	\	\	\	\	\
39	18104043	LOGESH.M	\	\	\	\	\
40	18104044	MAANISHA.M	\	\	\	\	\
41	18104045	MAHALAKSHMI.K	\	\	\	\	\
42	18104046	MANISHA.M.P	\	\	\	\	\
43	18104047	MANTHIRAM.S	\	a	\	\	\
44	18104048	MITHRA SHREE.V	\	\	\	\	\
45	18104049	MOHAMED AMJATH.S	\	\	\	\	\
46	18104050	MOHAMED ISMAIL.M	\	\	\	\	\
47	18104051	MURALI KRISHNAN.T	\	\	\	\	\
48	18104301	GANESAN.A	\	\	\	\	\
49	18104302	JIBIN GEORGE	\	\	\	\	\
50	18104303	KAMESVARAN.R	\	\	\	\	\
51	18104304	NIVESH KABIL.B.L	\	\	\	\	\
52	18104052	NANDHINI.J	\	\	\	\	\
53	18104053	NESAPRABHU.R	\	\	\	\	\
54	18104054	NITHYA. N	\	\	\	\	\
55	18104056	PAVITHRA.K	\	\	\	\	\
56	18104057	POOJASREE.V	\	\	\	\	\
57	18104058	PRADEEPA.K	\	\	\	\	\
58	18104059	PRAVEEN.G	\	\	\	a	\
59	18104061	PRAVEENKUMAR.C	\	\	\	\	\
60	18104062	PRAVESH.C	\	\	\	\	\
61	18104063	PRIYADHARSHINI.C	\	\	\	\	\
62	18104064	PRIYADHARSHINI.G	\	\	\	\	\
63	18104065	PRIYADHARSHINI.K	\	\	\	\	\
64	18104066	PRIYADHARSHINI.S	\	\	\	\	\
65	18104067	PRIYANKA.M	\	\	\	\	\
66	18104069	RAMYA.S	a	a	a	a	a
67	18104070	RANJEETHKUMAR.B	\	\	\	\	\
68	18104072	RENUGADEVI.S	\	\	\	\	\
69	18104073	SABARIVELVASAN.P.V	\	\	\	\	\
70	18104074	SAKTHIVEL.P	\	\	\	\	\
71	18104075	SANGEETHA.S	\	\	\	\	\
72	18104076	SANJAIKANTH.B	\	\	\	\	a
73	18104077	SATHESHKUMAR.M	\	\	\	\	\
74	18104078	SATHISHKUMAR.M	\	\	\	\	\
75	18104079	SAVITHA.M	\	\	\	\	\
76	18104080	SHALINI.B	\	\	\	\	\
77	18104081	SHRIPRIYA.S	a	\	\	\	\
78	18104082	SHRUTHI PRIYA.V	\	\	\	\	\
79	18104083	SIVASUBRAMANIAN.K	\	\	\	\	\
78	18104084	SOUNDAR.A	\	\	\	\	\
79	18104085	SOUNDHARYA.R.M	\	\	\	\	\
80	18104087	SUBASH.K.S	\	\	\	\	\
81	18104088	SUJITHA.A	\	\	\	\	\
82	18104089	SUKRIYA.S	\	\	\	\	\
83	18104090	SURYAA.E	\	\	\	\	\
84	18104091	TAMILSELVAN.S	\	\	\	\	\
85	18104092	THANGAMALAR.M	\	\	\	\	\

86	18104093	THARANIS	\	\	\	\	\
87	18104094	THIRUPATHI.S	\	\	\	\	\
88	18104095	VANMATHI.G	\	\	\	a	\
89	18104097	VIGNESH.G	\	\	\	\	\
90	18104098	VIGNESH.L	\	\	\	\	\
91	18104099	VIGNESH.V	\	\	\	\	\
92	18104100	VISHAL.J	a	a	a	a	a
93	18104101	YASWANTHKUMAR.M	\	\	\	\	\
94	18104102	YUGAVARSHAN.A.S	\	\	\	\	\
95	18104103	YUVARAMYA.M	\	\	\	\	\
96	18104305	PRAVEEN KUMAR.R	\	a	\	\	\
97	18104306	SOWNDARYA LAKSHMI.R	\	\	\	\	\
98	18104307	VIGNESH.D	\	\	\	\	a

Course Coordinator

HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

ALFIYAA.M

of Paavai Engineering College, studying in **Third Year** has successfully completed the Value-added Course "Theory and Applications of Ontology". The duration of the course is 30 hours
(27/07/2020 to 31/07/2020)

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

SOWNDARYA LAKSHMI.R

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "Theory and Applications of Ontology". The duration of the course is 30 hours
(27/07/2020 to 31/07/2020)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

SUKRIYA.S

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "Theory and Applications of Ontology". The duration of the course is 30 hours
(27/07/2020 to 31/07/2020)

Course Coordinator

HOD

Principal



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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

DHARSINI.R

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "Theory and Applications of Ontology". The duration of the course is 30 hours
(27/07/2020 to 31/07/2020)

A handwritten signature in black ink, appearing to be 'P. R.', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'K. R.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'R.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

NESAPRABHU.R

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "Theory and Applications of Ontology". The duration of the course is 30 hours
(27/07/2020 to 31/07/2020)

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VIRTUALIZATION TECHNIQUES

Virtualization is a technique of how to separate a service from the underlying physical delivery of that service. It is the process of creating a virtual version of something like computer hardware. It was initially developed during the mainframe era.



Storage virtualization is commonly used in storage area networks. Server virtualization is the masking of server resources including the number and identity of individual physical servers, processors and operating systems from server users.

INTENDED AUDIENCE

- III Year of B.E, B.Tech - Students
- Students able to understand how the virtualization technique works and including the identity of physical servers, processors, operating systems.

Date: 01.02.2021 - 05.02.2021

COURSE INCHARGE

J.Velumani, ASP



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

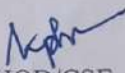
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DATE: 25.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on " VIRTUALIZATION TECHNIQUES " for Sixth semester students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their names to the course coordinator J.Velumani ASP /CSE on or before 28.01.2021.

Course Co-coordinators: 1. R.Loganthan AP /CSE
2. P.Santhiya AP /CSE


HOD/CSE

Copy to:

Notice board.

COURSE OBJECTIVES

To enable the students to

- learn the concept of virtualization concepts.
- Know about the application of virtuality.
- learn to design enterprise networks.

UNIT I INTRODUCTION

System Architectures – Virtual Machine Basics – Process Virtual Machines – System Virtual Machines – Taxonomy of Virtual Machines – Emulation: Basic Interpretation – Threaded Interpretation – Full and ParaVirtualization – Types of Hypervisor – Types of Virtualization.

UNIT II APPLYING VIRTUALIZATION

Vmware Server, ESXi, Citrix Xen Server, Microsoft Virtual PC, Microsoft Hyper-V, Virtual Box – Server Virtualization: Configuring Server with Server Virtualization. Adjusting and Tuning Virtual Servers, VM Backup and Migration

Unit III NETWORK VIRTUALIZATIUN

Design of Scalable Enterprise Networks – Virtualizing the Campus – WAN Design – WAN Architecture – Virtual Enterprise Transport Virtualization – VLANs and Scalability – Theory Network Device Virtualization Layer 2 – VFI Virtual Firewall Contexts Network Device Virtualization

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- execute concept and syntax architecture.
- learn the applying virtualization in different platform.
- articulate the layer of virtualization.

TEXTBOOKS

1. David Marshall, Wade A. Reynolds, "Advanced Server Virtualization: VMware and Microsoft Platform in the Virtual Data Center", Auerbach Publications, 2006

REFERENCES

1. Amy Newman, Kenneth Hess, "Practical Virtualization Solutions: Virtualization from the Trenches", Prentice Hall, October 2009.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Academic Year: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

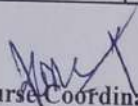
Year/Semester : III/VI

Name of the course : 20CSVC601 VIRTUALIZATION TECHNIQUES

S.NO	REGISTER NUMBER	NAME	01.02.2021	02.02.2021	03.02.2021	04.02.2021	05.02.2021
1	18104001	ABINESH.V	✓	✓	✓	✓	✓
2	18104002	AISHWARYA.N.S	✓	✓	✓	✓	✓
3	18104003	AJAY SURYA.C	✓	✓	✓	✓	✓
4	18104004	AJAY SAMSON.A	✓	✓	✓	✓	✓
5	18104005	AJIN.T.S	✓	✓	✓	✓	✓
6	18104006	ALFIYAA.M	✓	✓	✓	✓	✓
7	18104007	ARCHANA.A	✓	✓	✓	✓	✓
8	18104008	ASHOK.V	✓	✓	✓	✓	✓
9	18104009	AYSHWARIYA.J	✓	✓	✓	✓	✓
10	18104010	BAIRAVAN.B	✓	✓	✓	✓	✓
11	18104011	BALACHANDAR.K	✓	✓	✓	✓	✓
12	18104012	BHARATH.U	✓	✓	✓	✓	✓
13	18104013	CHANDRU.G.K	✓	✓	✓	✓	✓
14	18104014	CHANDRU.M	✓	✓	✓	✓	✓
15	18104015	CHOUTHRI.B	✓	✓	✓	✓	✓
16	18104016	DHANISKUMAR.S	✓	✓	✓	✓	✓
17	18104017	DHARMAN.K	✓	✓	✓	✓	✓
18	18104018	DHARSINI.R	✓	✓	✓	✓	✓
19	18104019	DHEENA.J	✓	✓	✓	✓	✓
20	18104020	DHILIPAN.V.B	✓	✓	✓	✓	✓
21	18104024	GABELASHAN.G.S	✓	✓	✓	✓	✓
22	18104025	GIRIPRASATH.S	✓	✓	✓	✓	✓
23	18104026	GOBINATH.S	✓	✓	✓	✓	✓
24	18104027	GOKULRAJ.S	✓	✓	✓	✓	✓
25	18104028	GOPALAKANNAN.K	✓	✓	✓	✓	✓
26	18104029	HARIHARAN.V	✓	✓	✓	✓	✓
27	18104030	HONESTRAJ.D	✓	✓	✓	✓	✓
28	18104031	IMAYAVARAMBAN.R	✓	✓	✓	✓	✓
29	18104032	JAYANTH KUMAR.J	✓	✓	✓	✓	✓
30	18104033	JAYAVARTHANA.J	✓	✓	✓	✓	✓
31	18104034	JEEVITHA.A	✓	✓	✓	✓	✓
32	18104035	JOHNPANDIYAN.S	✓	✓	✓	✓	✓
33	18104036	KAILASH.L.M	✓	✓	✓	✓	✓
34	18104037	KALAIIVANI.C	✓	✓	✓	✓	✓
35	18104039	KARTHIKEYAN.M	✓	✓	✓	✓	✓
36	18104040	KRISHNA KUMAR.G	✓	✓	✓	✓	✓
37	18104041	KRISHNAKUMAR.A	✓	✓	✓	✓	✓

38	18104042	KRISHNAPRASANTH.S	\	\	\	\	\
39	18104043	LOGESH.M	\	\	\	\	\
40	18104044	MAANISHA.M	\	\	\	\	\
41	18104045	MAHALAKSHMI.K	\	\	\	\	\
42	18104046	MANISHA.M.P	\	\	\	\	\
43	18104047	MANTHIRAM.S	\	\	\	\	\
44	18104048	MITHRA SHREE.V	\	\	\	\	\
45	18104049	MOHAMED AMJATH.S	\	\	\	\	\
46	18104050	MOHAMED ISMAIL.M	\	a	\	\	\
47	18104051	MURALI KRISHNAN.T	\	\	\	\	\
48	18104301	GANESAN.A	\	\	\	\	\
49	18104302	JIBIN GEORGE	\	\	\	\	\
50	18104303	KAMESVARAN.R	\	\	\	\	\
51	18104304	NIVESH KABIL.B.L	\	\	\	\	\
52	18104052	NANDHINI.J	\	\	\	\	\
53	18104053	NESAPRABHU.R	\	\	\	\	\
54	18104054	NITHYA. N	\	\	\	\	a
55	18104056	PAVITHRA.K	\	\	\	\	\
56	18104057	POOJASREE.V	\	\	\	\	\
57	18104058	PRADEEPA.K	\	\	\	\	\
58	18104059	PRAVEEN.G	\	\	\	\	\
59	18104061	PRAVEENKUMAR.C	\	\	\	\	\
60	18104062	PRAVESH.C	\	\	\	\	\
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62	18104064	PRIYADHARSHINI.G	\	\	\	\	\
63	18104065	PRIYADHARSHINI.K	\	\	\	\	\
64	18104066	PRIYADHARSHINI.S	a	a	a	a	a
65	18104067	PRIYANKA.M	\	\	\	\	\
66	18104069	RAMYA.S	\	\	\	\	\
67	18104070	RANJEETHKUMAR.B	\	\	\	\	\
68	18104072	RENUGADEVI.S	\	\	\	\	\
69	18104073	SABARIVELVASAN.P.V	\	\	\	\	\
70	18104074	SAKTHIVEL.P	\	\	\	\	\
71	18104075	SANGEETHA.S	\	a	\	\	\
72	18104076	SANJAIKANTH.B	\	\	\	\	\
73	18104077	SATHESHKUMAR.M	\	\	\	\	\
74	18104078	SATHISHKUMAR.M	\	\	\	\	\
75	18104079	SAVITHA.M	\	\	\	\	\
76	18104080	SHALINI.B	\	\	\	\	\
77	18104081	SHRIPRIYA.S	\	\	\	\	\
78	18104082	SHRUTHI PRIYA.V	\	\	\	\	a
79	18104083	SIVASUBRAMANIAN.K	\	\	\	\	\
78	18104084	SOUNDAR.A	\	\	\	\	\
79	18104085	SOUNDHARYA.R.M	\	\	\	\	\
80	18104087	SUBASH.K.S	\	\	\	\	\
81	18104088	SUJITHA.A	\	\	\	\	\
82	18104089	SUKRIYA.S	\	\	\	\	\
83	18104090	SURYAA.E	\	\	\	\	\
84	18104091	TAMILSELVAN.S	\	\	\	\	\
85	18104092	THANGAMALAR.M	\	\	\	\	\

86	18104093	THARANLS	\	\	\	\	a
87	18104094	THIRUPATHLS	\	\	\	\	\
88	18104095	VANMATHI.G	\	\	\	\	\
89	18104097	VIGNESH.G	\	\	\	\	\
90	18104098	VIGNESH.L	\	\	a	\	\
91	18104099	VIGNESH.V	\	\	\	\	\
92	18104100	VISHAL.J	\	\	\	\	\
93	18104101	YASWANTHKUMAR.M	a	a	a	a	a
94	18104102	YUGAVARSHAN.A.S	\	\	\	\	\
95	18104103	YUVARAMYA.M	\	\	\	\	\
96	18104305	PRAVEEN KUMAR.R	\	\	\	\	\
97	18104306	SOWNDARYA LAKSHMI.R	\	\	\	\	\
98	18104307	VIGNESH.D	\	\	\	\	a


Course Coordinator


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

VANMATHI.G

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "Virtualization Techniques". The duration of the course is 30 hours
(01/02/2021 to 05/02/2021)

J. Velumani

Course Coordinator

[Signature]

HOD

[Signature]

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Computer Science and Engineering

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This is to certify that

PRADEEPA.K

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "Virtualization Techniques". The duration of the course is 30 hours
(01/02/2021 to 05/02/2021)

J. Velumani

Course Coordinator

[Signature]

HOD

[Signature]

Principal



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This is to certify that

MAHALAKSHMI.K

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "Virtualization Techniques". The duration of the course is 30 hours
(01/02/2021 to 05/02/2021)

J. Velumani

Course Coordinator

[Signature]

HOD

[Signature]

Principal



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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

KAMESVARAN.R

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course “Virtualization Techniques”. The duration of the course is 30 hours
(01/02/2021 to 05/02/2021)

A handwritten signature in black ink, appearing to read 'J. Velumani', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, written over a horizontal line.

HOD

A handwritten signature in black ink, written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

GOPALAKANNAN.K

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "Virtualization Techniques". The duration of the course is 30 hours
(01/02/2021 to 05/02/2021)

J. Velumani

Course Coordinator

[Signature]

HOD

[Signature]

Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PATTERN RECOGNITION

Pattern recognition is a data analysis method that uses machine learning algorithms to automatically recognize patterns and regularities in data. Data can be anything from text and images to sounds or other definable qualities. Pattern recognition systems can recognize familiar patterns quickly and accurately.



It aims to study the differences of the metabolite expression profiles acquired under different physiological conditions. There are two main categories in pattern recognition: supervised and unsupervised learning.

INTENDED AUDIENCE

- IV Year of B.E, B.Tech - Students
- Students able to understand how pattern recognition works, how the pattern is extracted from the raw data.

Date: 01.02.2021 - 05.02.2021

COURSE INCHARGE

Dr.N.Magendiran Professor



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

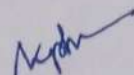
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DATE: 25.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on " PATTERN RECOGNITION " for Eighth semester students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their names to the course coordinator Dr.N.Magendiran Professor /CSE on or before 28.01.2021.

Course Co-coordinators: 1. M.Revathi AP /CSE
2. S.Lavanya AP /CSE


HOD/CSE

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COURSE OBJECTIVES

To enable the students to

- learn the fundamental concepts of machine classification.
- Know about the Bayesian Decision theory.
- learn to classify the bias and variance.

UNIT I INTRODUCTION

Machine Perception The Sub-problems of Pattern Classification- Feature Extraction- Overfitting- Model Selection- Missing Features- Mereology- Invariances- Evidence Pooling

UNIT II BAYESIAN DECISION THEORY

Bayesian Decision Theory – Continuous Features- Minimum-Error-Rate Classification- Classifiers, Discriminants and Decision Surfaces- Discriminant Functions for the Normal Density- Discrete Features

UNIT III ALGORITHM- INDEPENDENT MACHINE LEARNING

Lack of inherent superiority of any classifier- No Free Lunch Theorem- Minimum description length (MDL)- Bias and variance for regression- Arcing, learning with queries, bias and variance.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- execute concept of pattern classification.
- learn the classification of discriminant of normal density.
- Execute the variance for regression, arcing and variance.

TEXTBOOKS

1. Hirotugu Akaike. On entropy maximization principle. In Paruchuri R. Krishnaiah, editor, Applications of Statistics, pages 27–42. North-Holland, Amsterdam, The Netherlands, 1977.

REFERENCES

1. Christopher M. Bishop. Neural Networks for Pattern Recognition. Oxford University Press, Oxford, UK, 1995.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Academic Year: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

Year/Semester : IV/VIII

Name of the course : 20CSVC801 PATTERN RECOGNITION

S.NO	REGISTER NUMBER	NAME	01.02.2021	02.02.2021	03.02.2021	04.02.2021	05.02.2021
1	17104002	T.Abishak Finny	/	/	/	/	/
2	17104003	S Agash	/	/	/	/	a
3	17104004	Ajay kumar G	/	/	/	/	/
4	17104005	G. Ajith Kumar	/	/	/	/	/
5	17104006	AJITH RG	a	a	a	a	a
6	17104007	Ajithkumar.V	/	/	/	/	/
7	17104008	Amzad Khan A	x	\	\	\	\
8	17104009	A.Ananthalakshmi	/	/	/	/	/
9	17104010	K.Anusha	/	/	/	/	/
10	17104012	Ashokkumar. M	/	/	/	/	/
11	17104013	Bharathi P	/	/	/	/	/
12	17104014	Bhavani.C	/	/	/	/	/
13	17104015	BRIGHTSUN. E	a	/	/	/	/
14	17104016	Chandru ST	/	/	/	/	/
15	17104017	Deepak. D	/	/	/	/	/
16	17104018	Deepan Raj K	/	/	/	/	/
17	17104019	B.Deepan	/	/	/	/	/
18	17104020	Deepika Jenifer.A	\	\	\	\	\
19	17104021	Dinakar P	/	/	/	a	/
20	17104023	S.Ganapathy	/	/	/	/	/
21	17104025	Gopikrishna K	/	/	/	/	/
22	17104026	Hardik N Gor	a	a	a	a	a
23	17104027	Hari Rajan	/	/	/	/	/
24	17104029	Harini.T.R	/	/	/	/	/
25	17104030	Harish Khanna. N	/	/	/	/	/
26	17104031	JAISATHIYAMOORTHY .V	/	/	/	/	/
27	17104032	Janani. M	a	/	/	/	/
28	17104034	Karthik M	/	/	/	/	/
29	17104035	Kathir vel. S	/	/	/	/	a
30	17104037	S. Keerthana	/	/	/	/	/
31	17104038	Kiruthika.s	\	\	\	\	\
32	17104039	M.Lavanya	/	/	/	/	/
33	17104041	Mahalakshmi.K	/	/	/	/	/
34	17104042	Manirathinam K	/	/	/	/	a
35	17104043	B MANJUPRIYA	/	/	/	/	/
36	17104044	M.Mohamad Ibrahim	/	/	/	/	/
37	17104045	B.MOHAMED MYDEEN	a	/	/	/	/

38	17104046	Moneesh. Ky	/	/	/	/	a
39	17104047	Muthazhagan C	/	/	/	/	/
40	17104048	Narendran M	/	/	/	/	/
41	17104049	Narmatha Nisha T	a	/	/	/	/
42	17104050	Nickelson J	/	/	/	/	/
43	17104051	Nithyananthi.S	\	\	\	\	\
44	17104052	V. Nivetha	/	/	/	/	/
45	17104053	PAPITHA.S	/	/	/	/	/
46	17104054	Pooja dharshini. S. K	/	/	/	/	/
47	17104055	Pradesh s	/	/	/	/	/
48	17104056	Prakashraj.P	/	/	/	/	/
49	17104057	Prasanth.M	/	/	/	/	/
50	17104058	Prem Kumar.v	a	a	a	a	a
51	17104059	Priyadharshini J	/	/	/	/	/
52	17104060	Ragavi.P	/	/	/	/	/
53	17104062	Rakesh K	/	/	/	/	/
54	17104063	Ramkumar.R	/	/	/	/	/
55	17104064	S.Ranjith	/	/	/	/	/
56	17104065	Raventh kumar k	/	/	/	/	/
57	17104067	S Sandeep Rajan	/	/	/	/	/
58	17104068	Sangeetha A	/	/	/	/	/
59	17104069	M. Sangeetha	/	/	a	/	/
60	17104071	Saravanakumar R	/	/	/	/	/
61	17104072	Sarika.S	/	/	/	/	/
62	17104073	M.Sathish kumar	/	/	/	/	/
63	17104075	Shantha Kumar V	/	/	/	/	/
64	17104076	Sheyamaladevi.E	a	/	/	/	/
65	17104077	Shivani. M	/	/	/	/	/
66	17104079	R Sidhesh	/	/	/	/	/
67	17104082	Soundar Raj R	\	\	\	\	\
68	17104084	Sowmiya M	/	/	/	/	/
69	17104087	Suganthi G	/	/	/	/	a
70	17104090	Tamil Selvi M	/	/	/	/	/
71	17104091	Vignesh G	/	/	/	/	/
72	17104093	Vigneshwaran M	/	/	/	/	/
73	17104094	Vijay.K	a	a	a	a	a
74	17104095	Vijayakumar V	/	/	/	/	/
75	17104096	M.Vikneswari	/	/	/	/	/
76	17104097	Vinaladevi.D	/	/	/	/	/
77	17104098	B. Vinothini	/	/	a	/	/
78	17104302	V Narendiran	/	/	/	/	/
79	17104303	Ranjith Kumar S	/	/	/	/	/
80	17104901	Roopa S	/	/	/	/	/

Course Coordinator

HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

Soundar Raj.R

of Paavai Engineering College, studying in Final Year has successfully completed the Value-added Course "Pattern Recognition". The duration of the course is 30 hours

(01/02/2021 to 05/02/2021)

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

Kiruthika.S

of Paavai Engineering College, studying in **Final Year** has successfully completed the
Value-added Course "**Pattern Recognition**". The duration of the course is 30 hours
(01/02/2021 to 05/02/2021)

A handwritten signature in black ink, appearing to be 'H. S. S.', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'K. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S.', written over a horizontal line.

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

Nithyananthi.S

of Paavai Engineering College, studying in Final Year has successfully completed the Value-added Course "Pattern Recognition". The duration of the course is 30 hours

(01/02/2021 to 05/02/2021)

A handwritten signature in black ink, appearing to be 'H. S. S.', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'K. S. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'R. S. S.', written over a horizontal line.

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

Amzad Khan.A

of Paavai Engineering College, studying in Final Year has successfully completed the Value-added Course "Pattern Recognition". The duration of the course is 30 hours
(01/02/2021 to 05/02/2021)

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

Deepika Jenifer.A

of Paavai Engineering College, studying in Final Year has successfully completed the Value-added Course "Pattern Recognition". The duration of the course is 30 hours
(01/02/2021 to 05/02/2021)

Course Coordinator

HOD

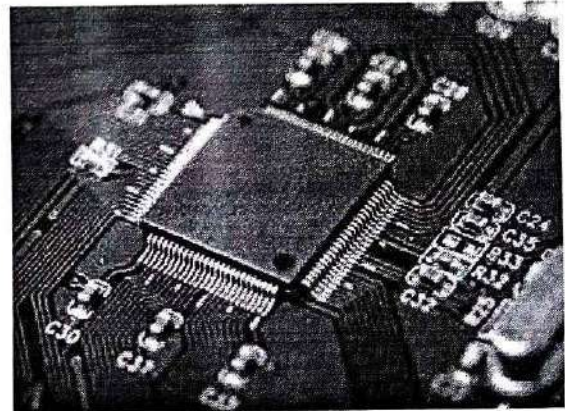
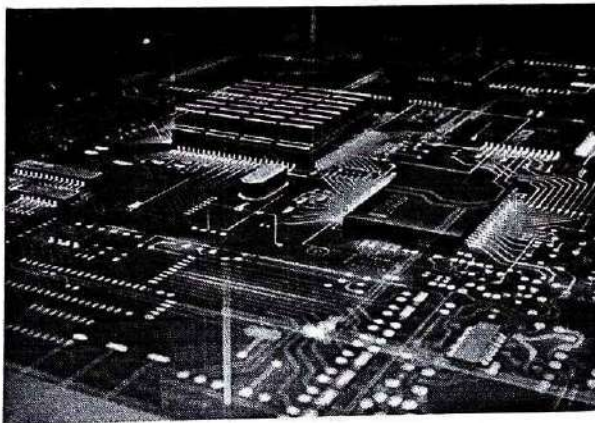
Principal

**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING**

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

PCB DESIGN AND FABRICATION



Date: 27.07.2020 – 31.07.2020

Course Incharge: Ms.C.Vanaja , ASP / ECE

Venue: M213



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

Dated: 20.07.2020

CIRCULAR

It is planned to conduct Five days Training course on "PCB DESIGN AND FABRICATION" for Third semester Students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their name to course coordinator Ms. C. Vanaja , ASP / ECE on or before 25.07.2020. (Spot registration can also be permitted).


HOD / 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)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
20ECVC301 PCB design and Fabrication
ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	27/7/2020	28/7/2020	29/7/2020	30/7/2020	31/7/2020
1	19105001	AISHWARYA.K	/	/	/	/	/
2	19105002	AJAYKUMAR.M	/	/	/	/	/
3	19105003	ANBARASAN.G	/	/	/	/	/
4	19105004	ANU VARSHITHA.M	/	/	/	/	/
5	19105005	ARAVIND.R	/	/	/	/	/
6	19105006	ARAVIND.T	/	/	/	/	/
7	19105008	ARUN.E	/	/	/	/	/
8	19105009	ATHEEQ UR RAHMAN.F	/	/	/	/	/
9	19105010	BHARATH.S	/	/	/	/	/
10	19105011	BHARATHIRAJA.R	/	/	/	/	/
11	19105013	DEVADHARSHINI.M	/	/	/	/	/
12	19105014	DHARSHINI.K	/	/	/	/	/
13	19105015	DHARSHINI.V	/	/	/	/	/
14	19105016	DHIVAKARAN.T	/	/	/	/	/
15	19105017	DINESH.C	/	/	/	/	/
16	19105018	DINESH.K	/	/	/	/	/
17	19105019	FAIYAZ BASHA.F	/	/	/	/	/
18	19105020	GOKULA KANNAN.R.S	/	/	/	/	/
19	19105021	GOKULAKRISHNAN.R	/	/	/	/	/
20	19105022	GOPI.S	/	/	/	/	/
21	19105023	GOPI.S	/	/	/	/	/
22	19105024	GOPINATH.P	/	/	/	/	/
23	19105025	GUNAL.A	/	/	/	/	/
24	19105026	HARIPRASANTH.R	/	/	/	/	/
25	19105027	HARISANJALA	/	/	/	/	/
26	19105028	HEMALATHA.M	/	/	/	/	/
27	19105029	HEMAPRIYA.K,S	/	/	/	/	/
28	19105030	INDHUMATHI.S	/	/	/	/	/
29	19105031	JAGADHISHWARAN.S	/	/	/	/	/
30	19105032	JAGAN.P	/	/	/	/	/
31	19105033	JAYAKUMAR.R	/	/	/	/	/
32	19105034	JEEVAN PRAKASH.R	/	/	/	/	/
33	19105035	JEEVITHA.M	/	/	/	/	/
34	19105036	KAMALESH.A	/	/	/	/	/
35	19105037	KAMALI.S	/	/	/	/	/
36	19105038	KANISHKAR.M	/	/	/	/	/
37	19105039	KAVIYA.R	/	/	/	/	/
38	19105040	KAVIYAA.K	/	/	/	/	/
39	19105041	KESAVAN.M	/	/	/	/	/
40	19105042	KESAVARTHINI.P	/	/	/	/	/
41	19105043	KRISHNAVENI.M	/	/	/	/	/

42	19105044	LAKSHAYA.R	/	/	/	/	/	
43	19105045	LAKSHMI PRABHA.S	/	/	/	/	/	
44	19105046	LAVANYA.I	/	/	/	/	/	
45	19105047	LAVANYA.P	/	/	/	/	/	
46	19105048	LAVANYA.R	/	/	/	/	/	
47	19105049	LINGESWARAN.J	/	/	/	/	/	
48	19105051	MARUDHAPANDY.V	/	/	/	/	/	
49	19105052	MEIGNANA MOORTHY.P	/	/	/	/	/	
50	19105053	MOHAMMED SAMEER.M	/	/	/	/	/	
51	19105054	MUKILAN.R	/	/	/	/	/	
52	19105055	MUTHU KUMARA VEL.U	/	/	/	/	/	
53	19105056	NAGAMANI.D	/	/	/	/	/	
54	19105057	NARENDRAPRASATH.R	/	/	/	/	/	
55	19105301	A.ADHISHA	/	/	/	/	/	
56	19105302	P.S.MADHAVAN	/	/	/	/	/	
57	19105059	NARMATHA.R	/	/	/	/	/	
58	19105060	NARUBOINA CHARAN SAI.C	/	/	/	/	/	
59	19105061	NAVEEN KUMAR.J	/	/	/	/	/	
60	19105062	NAVEEN.R	/	/	/	/	/	
61	19105063	NAVEENA.V.K	/	/	/	/	/	
62	19105064	NIRMALA.N	/	/	/	/	/	
63	19105065	NITHISH.M	/	/	/	/	/	
64	19105066	OMNATH BALAJI.A	/	/	/	/	/	
65	19105067	PADMESH.B	/	/	/	/	/	
66	19105068	PARTHASARATHI.S	/	/	/	/	/	
67	19105069	PARTHIPAN.P	/	/	/	/	/	
68	19105070	PAVAN KUMAR.K	/	/	/	/	/	
69	19105073	PRASANTH.D	/	/	/	/	/	
70	19105074	PRASANTH.R	/	/	/	/	/	
71	19105075	PRASATH.S	/	/	/	/	/	
72	19105076	PRINITHA.A	/	/	/	/	/	
73	19105077	PRITHIVIRAJ.K	/	/	/	/	/	
74	19105078	PRIYADHARSHINI.S	/	/	/	/	/	
75	19105079	RAGUL KANNAN.D	/	/	/	/	/	
76	19105080	RAGUL.B	/	/	/	/	/	
77	19105081	RAGUL.R	/	/	/	/	/	
78	19105082	RAGUL.T	/	/	/	/	/	
79	19105083	RAJAGANAPATHI.D	/	/	/	/	/	
80	19105084	RAJARAJAN.R	/	/	/	/	/	
81	19105085	RANJAN.L.V	/	/	/	/	/	
82	19105086	SAKTHI.S	/	/	/	/	/	
83	19105087	SANJAY.A	/	/	/	/	/	
84	19105088	SANJAY.M	/	/	/	/	/	

85	19105089	SANTOSH KUMAR.V	/	/	/	/	/
86	19105090	SARANYA.A	/	/	/	/	/
87	19105092	SATHISH KUMAR.R	/	/	/	/	/
88	19105093	SHEELA JENEFER.A	/	/	/	/	/
89	19105094	SIVA DHARSHINI.S	/	/	/	/	/
90	19105095	SIVA GANESH.M	/	/	/	/	/
91	19105097	SIVA KUMAR.M	/	/	/	/	/
92	19105098	SIVASAKTHI.V	/	/	/	/	/
93	19105099	SMITHA.M	/	/	/	/	/
94	19105100	SNEGA.S	/	/	/	/	/
95	19105101	SOBANA.M	/	/	/	/	/
96	19105102	SOWMIYA.K	/	/	/	/	/
97	19105103	SRETHARSSENE.S	/	/	/	/	/
98	19105104	SRIKRISHNAN.K	/	/	/	/	/
99	19105105	SRINITHIGAYATHRI.S	/	/	/	/	/
100	19105106	SRIVIKNESH.S	/	/	/	/	/
101	19105107	SRIVISHNU.I	/	/	/	/	/
102	19105108	SUNDARESAN.E	/	/	/	/	/
103	19105109	SURENDHAR.B	/	/	/	/	/
104	19105110	SURENDHRA KUMAR.S	/	/	/	/	/
105	19105111	SWATHIGA.G.V	/	/	/	/	/
106	19105114	THAMBU GANESH	/	/	/	/	/
107	19105115	THARANI.K	/	/	/	/	/
108	19105116	THARUN KUMAR.R	/	/	/	/	/
109	19105117	THEPANRAJ.R	/	/	/	/	/
110	19105118	UDHAYANITHI.E	/	/	/	/	/
111	19105119	VENKATESH.G.S	/	/	/	/	/
112	19105120	VIGNESH.M	/	/	/	/	/
113	19105121	VINISHA.S	/	/	/	/	/



PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637081

CERTIFICATE OF COMPLETION

This Certificate is presented to

Arun E

from Paavai Engineering College studying B.E ECE has sucessfully
completed the **PCB Design and Fabrication** course
from 27/07/2020 to 31/07/2020

Course Coordinator

Hod

Principal

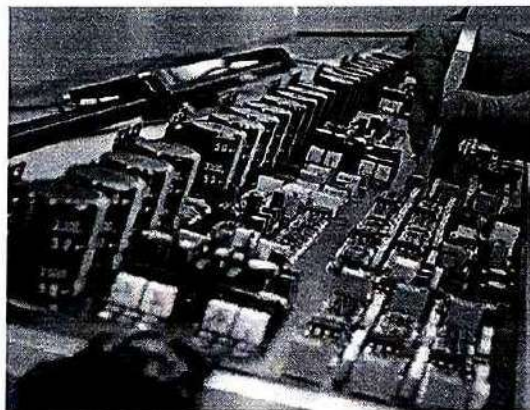
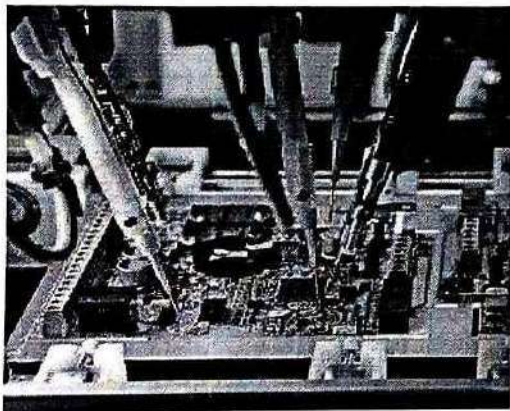
PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

UPS SERVICING



Date: 01.02.2021 – 05.02.2021

Course Incharge: Dr. S.Aruna, ASP / ECE

Venue: M213



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

Dated: 27.01.2021

CIRCULAR

It is planned to conduct Five days Training course on "UPS SERVICING" for Fourth semester Students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their name to course coordinator Dr. S.Aruna, ASP / ECE on or before 30.01.2021. (Spot registration can also be permitted).

HOD / 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)-637 018
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
20ECVC401 UPS servicing

ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	27/ 7/ 2020	28/ 7/ 2020	29/ 7/ 2020	30/ 7/ 2020	31/ 7/ 2020
1	19105001	AISHWARYA.K	/	/	/	/	/
2	19105002	AJAYKUMAR.M	/	/	/	/	/
3	19105003	ANBARASAN.G	/	/	/	/	/
4	19105004	ANU VARSHITHA.M	/	/	/	/	/
5	19105005	ARAVIND.R	/	/	/	/	/
6	19105006	ARAVIND.T	/	/	/	/	/
7	19105008	ARUN.E	/	/	/	/	/
8	19105009	ATHEEQ UR RAHMAN.F	/	/	/	/	/
9	19105010	BHARATH.S	/	/	/	/	/
10	19105011	BHARATHIRAJA.R	/	/	/	/	/
11	19105013	DEVADHARSHINI.M	/	/	/	/	/
12	19105014	DHARSHINI.K	/	/	/	/	/
13	19105015	DHARSHINI.V	/	/	/	/	/
14	19105016	DHIVAKARAN.T	/	/	/	/	/
15	19105017	DINESH.C	/	/	/	/	/
16	19105018	DINESH.K	/	/	/	/	/
17	19105019	FAIYAZ BASHA.F	/	/	/	/	/
18	19105020	GOKULA KANNAN.R.S	/	/	/	/	/
19	19105021	GOKULAKRISHNAN.R	/	/	/	/	/
20	19105022	GOPI.S	/	/	/	/	/
21	19105023	GOPI.S	/	/	/	/	/
22	19105024	GOPINATH.P	/	/	/	/	/
23	19105025	GUNAL.A	/	/	/	/	/
24	19105026	HARIPRASANTH.R	/	/	/	/	/
25	19105027	HARISANJALA	/	/	/	/	/
26	19105028	HEMALATHA.M	/	/	/	/	/
27	19105029	HEMAPRIYA.K.S	/	/	/	/	/
28	19105030	INDHUMATHI.S	/	/	/	/	/
29	19105031	JAGADHISHWARAN.S	/	/	/	/	/
30	19105032	JAGAN.P	/	/	/	/	/
31	19105033	JAYAKUMAR.R	/	/	/	/	/
32	19105034	JEEVAN PRAKASH.R	/	/	/	/	/
33	19105035	JEEVITHA.M	/	/	/	/	/
34	19105036	KAMALESH.A	/	/	/	/	/
35	19105037	KAMALI.S	/	/	/	/	/
36	19105038	KANISHKAR.M	/	/	/	/	/
37	19105039	KAVIYA.R	/	/	/	/	/
38	19105040	KAVIYAA.K	/	/	/	/	/
39	19105041	KESAVAN.M	/	/	/	/	/
40	19105042	KESAVARTHINI.P	/	/	/	/	/
41	19105043	KRISHNAVENI.M	/	/	/	/	/

42	19105044	LAKSHAYA.R	/	/	/	/	/
43	19105045	LAKSHMI PRABHA.S	/	/	/	/	/
44	19105046	LAVANYA.I	/	/	/	/	/
45	19105047	LAVANYA.P	/	/	/	/	/
46	19105048	LAVANYA.R	/	/	/	/	/
47	19105049	LINGESWARAN.J	/	/	/	/	/
48	19105051	MARUDHAPANDY.V	/	/	/	/	/
49	19105052	MEIGNANA MOORTHY.P	/	/	/	/	/
50	19105053	MOHAMMED SAMEER.M	/	/	/	/	/
51	19105054	MUKILAN.R	/	/	/	/	/
52	19105055	MUTHU KUMARA VEL.U	/	/	/	/	/
53	19105056	NAGAMANI.D	/	/	/	/	/
54	19105057	NARENDRAPRASATH.R	/	/	/	/	/
55	19105301	A.ADHISHA	/	/	/	/	/
56	19105302	P.S.MADHAVAN	/	/	/	/	/
57	19105059	NARMATHA.R	/	/	/	/	/
58	19105060	NARUBOINA CHARAN SA.I.C	/	/	/	/	/
59	19105061	NAVEEN KUMAR.J	/	/	/	/	/
60	19105062	NAVEEN.R	/	/	/	/	/
61	19105063	NAVEENA.V.K	/	/	/	/	/
62	19105064	NIRMALA.N	/	/	/	/	/
63	19105065	NITHISH.M	/	/	/	/	/
64	19105066	OMNATH BALAJI.A	/	/	/	/	/
65	19105067	PADMESH.B	/	/	/	/	/
66	19105068	PARTHASARATHI.S	/	/	/	/	/
67	19105069	PARTHIPAN.P	/	/	/	/	/
68	19105070	PAVAN KUMAR.K	/	/	/	/	/
69	19105073	PRASANTH.D	/	/	/	/	/
70	19105074	PRASANTH.R	/	/	/	/	/
71	19105075	PRASATH.S	/	/	/	/	/
72	19105076	PRINITHA.A	/	/	/	/	/
73	19105077	PRITHIVIRAJ.K	/	/	/	/	/
74	19105078	PRIYADHARSHINI.S	/	/	/	/	/
75	19105079	RAGUL KANNAN.D	/	/	/	/	/
76	19105080	RAGUL.B	/	/	/	/	/
77	19105081	RAGUL.R	/	/	/	/	/
78	19105082	RAGUL.T	/	/	/	/	/
79	19105083	RAJAGANAPATHI.D	/	/	/	/	/
80	19105084	RAJARAJAN.R	/	/	/	/	/
81	19105085	RANJANI.V	/	/	/	/	/
82	19105086	SAKTHI.S	/	/	/	/	/
83	19105087	SANJAY.A	/	/	/	/	/
84	19105088	SANJAY.M	/	/	/	/	/
85	19105089	SANTOSH KUMAR.V	/	/	/	/	/
86	19105090	SARANYA.A	/	/	/	/	/
87	19105092	SATHISH KUMAR.R	/	/	/	/	/
88	19105093	SHEELA JENEFER.A	/	/	/	/	/
89	19105094	SIVA DHARSHINI.S	/	/	/	/	/

90	19105095	SIVA GANESH.M	/	/	/	/	/
91	19105097	SIVA KUMAR.M	/	/	/	/	/
92	19105098	SIVASAKTHI.V	/	/	/	/	/
93	19105099	SMITHA.M	/	/	/	/	/
94	19105100	SNEGA.S	/	/	/	/	/
95	19105101	SOBANA.M	/	/	/	/	/
96	19105102	SOWMIYA.K	/	/	/	/	/
97	19105103	SRETHARSSENE.S	/	/	/	/	/
98	19105104	SRIKRISHNAN.K	/	/	/	/	/
99	19105105	SRINITHIGAYATHRI.S	/	/	/	/	/
100	19105106	SRIVIKNESH.S	/	/	/	/	/
101	19105107	SRIVISHNU.I	/	/	/	/	/
102	19105108	SUNDARESAN.E	/	/	/	/	/
103	19105109	SURENDHAR.B	/	/	/	/	/
104	19105110	SURENDHRA KUMAR.S	/	/	/	/	/
105	19105111	SWATHIGA.G.V	/	/	/	/	/
106	19105114	THAMBU GANESH	/	/	/	/	/
107	19105115	THARANI.K	/	/	/	/	/
108	19105116	THARUN KUMAR.R	/	/	/	/	/
109	19105117	THEPANRAJ.R	/	/	/	/	/
110	19105118	UDHAYANITHI.E	/	/	/	/	/
111	19105119	VENKATESH.G.S	/	/	/	/	/
112	19105120	VIGNESH.M	/	/	/	/	/
113	19105121	VINISHA.S	/	/	/	/	/



PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637081

CERTIFICATE OF COMPLETION

This Certificate is presented to

Dharshini V

from Paāvai Engineering College studying B.E ECE has sucessfully
completed the **UPS servicing** course
from 01/02/2021 to 05/02/2021

Course Coordinator

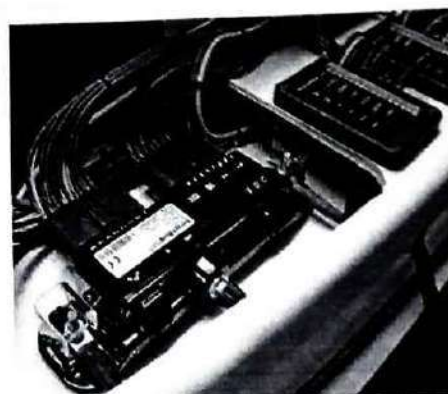
Hod

Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

DIGITAL SWITCHING



Date: 27.07.2020 to 31.07.2020

Course Incharge: Dr. Loganayagi, Professor / ECE

Venue: M213



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

Dated: 20.07.2020

CIRCULAR

It is planned to conduct Five days Training course on "DIGITAL SWITCHING" for Fifth semester Students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their name to course coordinator Dr. Loganayagi, Professor / ECE on or before 25.07.2020. (Spot registration can also be permitted).


HOD / 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)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
20ECVC501 Digital Switching
ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	21/4 2020	28/4 2020	29/4 2020	30/4 2020	31/4 2020
1	18105001	ABINASH	/	/	/	/	/
2	18105002	ABINAYA	/	/	/	/	/
3	18105003	ABISHEK.R	/	/	/	/	/
4	18105004	AKALYA	/	/	/	/	/
5	18105005	ANBARASAN	/	/	/	/	/
6	18105007	ARAVIND LAXMAN	/	/	/	/	/
7	18105008	ARAVIND	/	/	/	/	/
8	18105010	CHANDRU	/	/	/	/	/
9	18105011	V.DHANAVARSHINI	/	/	/	/	/
10	18105012	DHIVYA MANOKARI	/	/	/	/	/
11	18105013	DHIVYASHREE	/	/	/	/	/
12	18105014	DINAHARAN FUEMENT	/	/	/	/	/
13	18105016	GEETHA	/	/	/	/	/
14	18105017	GNANAMOORTHY	/	/	/	/	/
15	18105019	GOWRI	/	/	/	/	/
16	18105020	HARIPRASAD	/	/	/	/	/
17	18105021	JEEVA	/	/	/	/	/
18	18105022	JEEVANANTHAM	/	/	/	/	/
19	18105023	KAVIPRIYA	/	/	/	/	/
20	18105024	KEERTHANA	/	/	/	/	/
21	18105025	KEERTHANA	/	/	/	/	/
22	18105026	KEERTHANA	/	/	/	/	/
23	18105027	KIRUBAKAR	/	/	/	/	/
24	18105028	MERCY	/	/	/	/	/
25	18105029	MOHAMED SHIMAK	/	/	/	/	/
26	18105030	MOHAN RAJ	/	/	/	/	/
27	18105031	NANDHINI	/	/	/	/	/
28	18105032	NAVALADIRAJA	/	/	/	/	/
29	18105033	NAVEEN M	/	/	/	/	/
30	18105034	NAVEENA M	/	/	/	/	/
31	18105035	NAVEEN KUMAR	/	/	/	/	/
32	18105036	NISHA	/	/	/	/	/
33	18105037	NITHYA NANDHITHAA	/	/	/	/	/
34	18105038	NITHYA	/	/	/	/	/
35	18105039	PAVEENRAJ	/	/	/	/	/
36	18105040	PRABHA	/	/	/	/	/
37	18105041	PRAGADEESH	/	/	/	/	/
38	18105042	PRAGADEESHWARAN	/	/	/	/	/
39	18105043	PRAKADEESWARAN	/	/	/	/	/
40	18105045	PRIYANKA S	/	/	/	/	/

41	18105046	PUSHPA	/	/	/	/	/	/
42	18105047	RAJAGURU	/	/	/	/	/	/
43	18105048	RAJALAKSHMI	/	/	/	/	/	/
44	18105049	RAJKUMAR	/	/	/	/	/	/
45	18105050	RAM KUMAR	/	/	/	/	/	/
46	18105051	RATHESH	/	/	/	/	/	/
47	18105052	RAVI	/	/	/	/	/	/
48	18105053	RISHIKA	/	/	/	/	/	/
49	18105054	RUTH JENIFER	/	/	/	/	/	/
50	18105055	SANDHIYA	/	/	/	/	/	/
51	18105056	SANTHOSH KUMAR	/	/	/	/	/	/
52	18105058	SATHYA NARAYANAN	/	/	/	/	/	/
53	18105059	SATHYA	/	/	/	/	/	/
54	18105060	SINDU PAIRAVI	/	/	/	/	/	/
55	18105061	SINDHU	/	/	/	/	/	/
56	18105062	SIVANESAN T S	/	/	/	/	/	/
57	18105065	SRI VAISHNAVI	/	/	/	/	/	/
58	18105066	SRIPRIYADHARSHINI	/	/	/	/	/	/
59	18105067	SUDARSUN PRASSANA	/	/	/	/	/	/
60	18105068	SUGANYA	/	/	/	/	/	/
61	18105069	SUPRAJA	/	/	/	/	/	/
62	18105070	SURESHRAJ	/	/	/	/	/	/
63	18105071	SURYA PRAKASH	/	/	/	/	/	/
64	18105072	TAMILSELVAN	/	/	/	/	/	/
65	18105073	TAMIL MANI	/	/	/	/	/	/
66	18105076	THIRUPUGHALVAN	/	/	/	/	/	/
67	18105077	THISALI	/	/	/	/	/	/
68	18105078	VELAYUTHAM	/	/	/	/	/	/
69	18105079	VENKATES H PRASHANTH	/	/	/	/	/	/
70	18105080	VENKATESH	/	/	/	/	/	/
71	18105081	VINODHARANI	/	/	/	/	/	/
72	18105083	YUTHAN	/	/	/	/	/	/
73	18105084	M.V.YUVABHARATHI	/	/	/	/	/	/
74	18105302	SUSHMITHA	/	/	/	/	/	/
75	18105303	RAMACHANDRA	/	/	/	/	/	/
76	18105304	SUMITHRA	/	/	/	/	/	/
77								
78								
79								
80								
81								
82								
83								
84								



PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637081

CERTIFICATE OF COMPLETION

This Certificate is presented to

Dhanavarshini V

from Paavai Engineering College studying B.E ECE has successfully
completed the **Digital Switching** course
from 27/07/2020 to 31/07/2020

Course Coordinator

Hod

Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

EMBEDDED C





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

Dated: 27.01.2021

CIRCULAR

It is planned to conduct Five days Training course on "EMBEDDED C" for Sixth semester Students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their name to course coordinator Mr.S.Vijyakumar, ASP / ECE on or before 30.01.2021. (Spot registration can also be permitted).


HOD / 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)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
20ECVC601 Embedded C
ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	1/2 2021	2/2 2021	3/2 2021	4/2 2021	5/2 2021
1	18105001	ABINASH	/	/	/	/	/
2	18105002	ABINAYA	/	/	/	/	/
3	18105003	ABISHEK.R	/	/	/	/	/
4	18105004	AKALYA	/	/	/	/	/
5	18105005	ANBARASAN	/	/	/	/	/
6	18105007	ARAVIND LAXMAN	/	/	/	/	/
7	18105008	ARAVIND	/	/	/	/	/
8	18105010	CHANDRU	/	/	/	/	/
9	18105011	V .DHANAVARSHINI	/	/	/	/	/
10	18105012	DHIVYA MANOKARI	/	/	/	/	/
11	18105013	DHIVYASHREE	/	/	/	/	/
12	18105014	DINAHARAN FUEMENT	/	/	/	/	/
13	18105016	GEETHA	/	/	/	/	/
14	18105017	GNANAMOORTHY	/	/	/	/	/
15	18105019	GOWRI	/	/	/	/	/
16	18105020	HARIPRASAD	/	/	/	/	/
17	18105021	JEEVA	/	/	/	/	/
18	18105022	JEEVANANTHAM	/	/	/	/	/
19	18105023	KAVIPRIYA	/	/	/	/	/
20	18105024	KEERTHANA	/	/	/	/	/
21	18105025	KEERTHANA	/	/	/	/	/
22	18105026	KEERTHANA	/	/	/	/	/
23	18105027	KIRUBAKAR	/	/	/	/	/
24	18105028	MERCY	/	/	/	/	/
25	18105029	MOHAMED SHIMAK	/	/	/	/	/
26	18105030	MOHAN RAJ	/	/	/	/	/
27	18105031	NANDHINI	/	/	/	/	/
28	18105032	NAVALADIRAJA	/	/	/	/	/
29	18105033	NAVEEN M	/	/	/	/	/
30	18105034	NAVEENA M	/	/	/	/	/
31	18105035	NAVEEN KUMAR	/	/	/	/	/
32	18105036	NISHA	/	/	/	/	/
33	18105037	NITHYA NANDHITHAA	/	/	/	/	/
34	18105038	NITHYA	/	/	/	/	/
35	18105039	PAVEENRAJ	/	/	/	/	/
36	18105040	PRABHA	/	/	/	/	/
37	18105041	PRAGADEESH	/	/	/	/	/
38	18105042	PRAGADEESHWARAN	/	/	/	/	/
39	18105043	PRAKADEESWARAN	/	/	/	/	/
40	18105045	PRIYANKA S	/	/	/	/	/

41	18105046	PUSHPA	/	/	/	/	/	
42	18105047	RAJAGURU	/	/	/	/	/	
43	18105048	RAJALAKSHMI	/	/	/	/	/	
44	18105049	RAJKUMAR	/	/	/	/	/	
45	18105050	RAM KUMAR	/	/	/	/	/	
46	18105051	RATHESH	/	/	/	/	/	
47	18105052	RAVI	/	/	/	/	/	
48	18105053	RISHIKA	/	/	/	/	/	
49	18105054	RUTH JENIFER	/	/	/	/	/	
50	18105055	SANDHIYA	/	/	/	/	/	
51	18105056	SANTHOSH KUMAR	/	/	/	/	/	
52	18105058	SATHYA NARAYANAN	/	/	/	/	/	
53	18105059	SATHYA	/	/	/	/	/	
54	18105060	SINDU PAIRAVI	/	/	/	/	/	
55	18105061	SINDHU	/	/	/	/	/	
56	18105062	SIVANESAN T S	/	/	/	/	/	
57	18105065	SRI VAISHNAVI	/	/	/	/	/	
58	18105066	SRIPRIYADHARSHINI	/	/	/	/	/	
59	18105067	SUDARSUN PRASSANA	/	/	/	/	/	
60	18105068	SUGANYA	/	/	/	/	/	
61	18105069	SUPRAJA	/	/	/	/	/	
62	18105070	SURESHRAJ	/	/	/	/	/	
63	18105071	SURYA PRAKASH	/	/	/	/	/	
64	18105072	TAMILSELVAN	/	/	/	/	/	
65	18105073	TAMIL MANI	/	/	/	/	/	
66	18105076	THIRUPUGHALVAN	/	/	/	/	/	
67	18105077	THISALI	/	/	/	/	/	
68	18105078	VELAYUTHAM	/	/	/	/	/	
69	18105079	VENKATES H PRASHANTH	/	/	/	/	/	
70	18105080	VENKATESH	/	/	/	/	/	
71	18105081	VINODHARANI	/	/	/	/	/	
72	18105083	YUTHAN	/	/	/	/	/	
73	18105084	M.V.YUVABHARATHI	/	/	/	/	/	
74	18105302	SUSHMITHA	/	/	/	/	/	
75	18105303	RAMACHANDRA	/	/	/	/	/	
76	18105304	SUMITHRA	/	/	/	/	/	



PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachal, Namakkal - 637081

CERTIFICATE OF COMPLETION

This Certificate is presented to

Abishek R

from Paavai Engineering College studying B.E ECE has successfully
completed the **Embedded C** course
from 01/02/2021 to 05/02/2021

Course Coordinator

Hod

Principal

**DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING**



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)

MATLAB



Course Duration: 27.07.2020 to 31.07.2020

Venue: Online Mode- Microsoft Teams

Course Coordinator: Mr.R.SATHEESHKUMAR AP/EEE

**PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL**

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE : 17.07.2020

CIRCULAR

It is planned to conduct Five Days Value Added Course on "MATLAB" for Third semester students from 27.07.2020 to 31.07.2020. 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 23.07.2020.

Course Co-coordinator: I. Mr.R.SATHEESH KUMAR AP/EEE


HOD/EEE

Dr.G.BALAJI M.E., Ph.D.,
Professor & HOD
Department of Electrical and Electronics Engineering,
Paavai Engineering College
Namakkal - 637017

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COURSE OBJECTIVES

To enable the students to

- Familiarization of the syntax, semantics, data-types and library functions of numerical computing languages such as MATLAB and/or SCILAB
- Application of such languages for implementation/simulation and visualization of basic mathematical functions relevant to electronics applications.
- acquire knowledge on programming concepts

UNIT I INTRODUCTION TO MATLAB AND MATLAB SOFTWARE 10

Brief Introduction- Installation of MATLAB- Use of MATLAB- Key features- Introduction to MATLAB Software- MATLAB window- Command window- Workspace- Command history- Setting directory- Working with the MATLAB user interface- Basic commands- Assigning variables- Operations with variables- Working with script tools- Writing Script file- The MATLAB Editor.

UNIT II MATLAB SIMULINK 10

Introduction Of Simulink- Simulink Environment & Interface- Study of Library- Circuit Oriented Design- Equation Oriented Design- Model- Subsystem Design- Connect Call back to subsystem- Application

UNIT III MATLAB PROGRAMMING 10

MATLAB Programming- Writing programs with logic and flow control- Writing functions- Control statement Programming- Conditional Statement Programming- Examples.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Understand the need for simulation/implementation for the verification of mathematical functions.
- Understand the main features of the MATLAB/SCILAB program development environment to enable their usage in the higher learning
- Implement simple mathematical functions/equations in numerical computing environment such as MATLAB/SCILAB

TEXT BOOKS

- 1 MATLAB and Simulink Based Book, Electrical Engineering: Principles and Applications

REFERENCES

- 1 MATLAB and Simulink Based Book, Practical Electrical Engineering, 2nd edition

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER: II/III

NAME OF THE COURSE: 20EEVC301- MATLAB

S. No	Register No	Name of the Student	27/7/20	28/7/20	29/7/20	30/7/20	31/7/20
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	/	/	/	/	/
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	/	/	/	/	/
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	/	/	/	/	/

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	/	/	/	/	/
76	19106081	VISHNUPRADAP.P	/	/	/	/	/
77	19106301	KARTHICK.M	/	/	/	/	/
78	19106303	KAVINKUMAR	/	/	/	/	/
79	19106304	MURUGAPERUMAL.S	/	/	/	/	/
80	19106305	RASHIKA.S	/	/	/	/	/


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 **Second Year** has successfully completed the **MATLAB**
course from **27/07/2020** to **31/07/2020**.

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 K

of Paavai Engineering College, studying in **Second Year** has successfully completed the **MATLAB** course
from **27/07/2020** to **31/07/2020**.

Handwritten signature of the Course Coordinator.

Course Coordinator

Handwritten signature of the Head of Department (HOD).

HOD

Handwritten signature of the Principal.

Principal



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 **Second Year** has successfully completed the **MATLAB** course
from **27/07/2020** to **31/07/2020**.

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

ELAKIYA G

of Paavai Engineering College, studying in **Second Year** has successfully completed the **MATLAB** course
from 27/07/2020 to 31/07/2020.

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

ABITHA M

of Paavai Engineering College, studying in **Second Year** has successfully completed the **MATLAB** course
from 27/07/2020 to 31/07/2020

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL -637 018

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

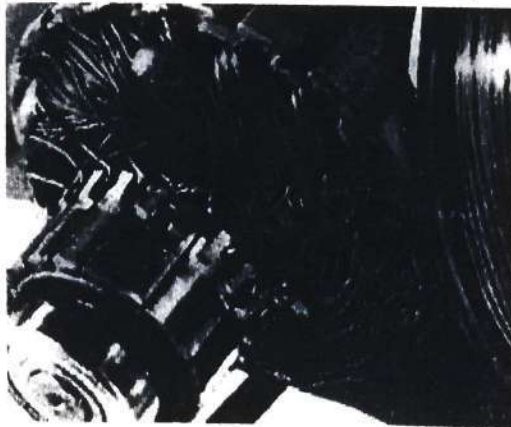
VALUE ADDED COURSE

FOR

ADDITIONAL SKILL DEVELOPMENT OF THE STUDENTS

(UG & PG)

INDUCTION MOTOR WINDING



Course Duration: 01.02.2021 to 05.02.2021

Venue: Online Mode- Google Meet

Course Coordinator: D.Boopathi AP/EEE

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE : 20.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "INDUCTION MOTOR WINDING" for Fourth semester students from 01.02.2021 to 05.02.2021. The interested UG and PG students are asked to enroll their names to the course coordinator Mr.D.Boopathi AP/EEE on or before 25.01.2021.

Course Co-coordinator: 1. Mr.D.Boopathi AP/EEE


HOD/EEE

Dr.G.BALAJI M.E., Ph.D.,
Professor & HOD
Department of Electrical and Electronics Engineering
Paavai Engineering college
Namakkal - 637015

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COURSE OBJECTIVES

To enable the students to

- Understand the concept of induction motor
- Acquire knowledge on coil preparation
- Gain details about insulation preparation

UNIT I SINGLE PHASE INDUCTION MOTOR**10**

Working principle, different method of starting and running (capacitor start, permanent capacitor, capacitor start & run, shaded pole technique). FHP motors, Repulsion motor, stepper motor, Application of single phase motor. Single phase induction motor -

UNIT II COIL PREPARATION**10**

Preparation of the core before winding - Manufacture of formers - Preparation of coils on different types of coil winding machines as applied - Cutting operations on various types of insulating materials used for slot liner, layer Separators, slot wedge, phase, separator etc. and shaping and binding of overhangs.

UNIT III INSULATION PREPARATION

Winding Extensive shop floor practice on actual winding, consisting of the following operations - Insertion of insulating materials in the slots, Insertion of coils and folding over the insulation and wedges driving, End connection inclusive of commutator if involved, Soldering / brazing of coil ends of the winding wire and lead cables and core, Overhang banding with cord, steel wire or semi cured polyester glass tape.

TOTAL PERIODS**30****COURSE OUTCOMES**

At the end this course, students will be able to

- Describe the basics of concept of induction motor
- analyse on coil preparation
- demonstrate insulation preparation

TEXT BOOKS

1. Electrical Machines and Appliances , Government of Tamilnadu, First edition 2011

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER: II/IV

NAME OF THE COURSE: 20EEVC401-INDUCTION MOTOR WINDING

S. No	Register No	Name of the Student	1.2.21	2.2.21	3.2.21	4.2.21	5.2.21
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	a	a	a	a	a
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	a	a	a	a	a
16	19106018	ELUMALAI.K	/	/	/	/	/
17	19106019	GOKULAKUMAR.G	/	/	/	/	/
18	19106021	HEMACHANDRAN.B	/	/	/	/	/
19	19106022	JANANI.U	/	/	/	/	/
20	19106023	JANAPRIYA.G	/	/	/	/	/
21	19106024	JARISH.B	a	a	a	a	a
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	/	/	/	/	/
33	19106037	MOHAMMED SUHAIB.S	/	/	/	/	/
34	19106038	MOHANRAAJ.S	a	a	a	a	a
35	19106039	MOUNISH.M	/	/	/	/	/
36	19106040	MUNIYAPPAN.T	/	/	/	/	/
37	19106041	NAGULAN.R	/	/	/	/	/
38	19106042	NANDHAKUMARAN.S	a	a	a	a	a
39	19106043	NARMADHA.N	/	/	/	/	/
40	19106044	NAVEEN KUMAR.T	/	/	/	/	/
41	19106045	NISHA.K	/	/	/	/	/
42	19106046	NITHYA MAHIMA GRACY.C	/	/	/	/	/
43	19106047	PRAKASH.C	a	a	a	a	a
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	a	a	a	a	a
54	19106058	SANJAY.R	/	/	/	/	/
55	19106059	SANTHOSH.M	/	/	/	/	/
56	19106060	SANTHOSH.N	/	/	/	/	/
57	19106061	SANTHOSHKUMAR.R	/	/	/	/	/
58	19106062	SANTHOSHANANDIVAN.A	/	/	/	/	/

60	19106064	SATHISHKUMAR.R	/	/	/	/	/
61	19106065	SATHISHKUMAR.S	/	/	/	/	/
62	19106066	SETTU.M	a	a	a	a	a
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	a	a	a	a	a
73	19106078	VENGATRAMAN.S	/	/	/	/	/
74	19106079	VETRIVEL.M	/	/	/	/	/
75	19106080	VIGNESH.G	/	/	/	/	/
76	19106081	VISHNUPRADAP.P	/	/	/	/	/
77	19106301	KARTHICK.M	/	/	/	/	/
78	19106303	KAVINKUMAR	/	/	/	/	/
79	19106304	MURUGAPERUMAL.S	/	/	/	/	/


Course Coordinator


HoD/EEE

Dr G. BALAJI. M. E. Ph.D.,
Professor & HOD
Department of Electrical and Electronics Engineering,
Paavai Engineering College
Namakkal - 637012



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

SANTHOSH M

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

MOTOR WINDING course from **01/02/2021** to **05/02/2021**.

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

PRIYA P

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

MOTOR WINDING course from **01/02/2021** to **05/02/2021**.

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 **Second Year** has successfully completed the **INTUCTION**

MOTOR WINDING course from **01/02/2021** to **05/02/2021**.

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 **Second Year** has successfully completed the **INTUCTION**

MOTOR WINDING course from **01/02/2021** to **05/02/2021**.

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

BASKAR P

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

MOTOR WINDING course from **01/02/2021** to **05/02/2021**.

A handwritten signature in black ink, appearing to be 'S. S.', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'B. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S.', written over a horizontal line.

Principal



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)

PCB DESIGN AND COMPONENT TESTING

Course Duration: 27.07.2020 to 31.07.2020

Venue: Online Mode- Google Meet

Course Coordinator: S.Ramachandran AP/EEE



PAAVAI ENGINEERING COLLEGE(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE : 17.07.2020

CIRCULAR

It is planned to conduct Five Days Value Added Course on " PCB DESIGN AND COMPONENT TESTING " for Fifth semester students from 27.07.2020 to 31.07.2020..The interested UG and PG students are asked to enroll their names to the course coordinator Mr.S.Ramachandran AP/EEE on or before 23.07.2020.

Course Co-coordinator:1. Mr.S.Ramachandran 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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Notice board.

COURSE OBJECTIVES

To enable the students to

- Develop the skills in PCB designing using PSPICE tool and testing & troubleshooting
- Design and test PCB layout and study the PCB manufacturing process
- Troubleshoot the errors in PCB design

UNIT I	INTRODUCTION	10
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Introduction to Printed circuit Board: Fundamentals of circuit design- Introduction to Analog and digital circuit design-Definition and Evolution of PCB Printed Circuit Technology-Creating blank PCB.

UNIT II	PSPICE TOOL	10
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Introduction to SPICE and PSPICE Environment -Schematic Entry Creating Library Components-Drawing Schematic-Flat Design-Hierarchical design Net listing-PCB designing of Basic analog electronic components, Power supplies, Different sensor modules, Embedded projects.

UNIT III	POST DESIGNING AND FABRICATION PROCESS	10
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PCB Layout Design Prototype Designing-Design Rule Checking (DRC), Design Formanufacturing(DFM)-Printing-Etching-Drilling-Soldering&Desoldering-ComponentMounting-PCB Hardware testing-Checking Errors

TOTAL PERIODS	30
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COURSE OUTCOMES

At the end this course, students will be able to

- Know the concepts of circuit design and importance of PCB designing
- Understand the different component package types
- Familiarize with various EDA tools for identifying electronic components

TEXT BOOKS

1. PCB Design for Real-World EMI Control, R. Archambeault and James Drewniak

REFERENCES

1. Complete PCB Design Using OrCad Capture and Layout, Kraig Mitzner

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

YEAR/SEMESTER: III/V

NAME OF THE COURSE: 20EEVC501-PCB DESIGN AND COMPONENT TESTING

S.No	Register No	Name of the Student	27/7/20	28/7/20	29/7/20	30/7/20	31/7/20
1	18106001	AADHI SHANKARAR.C	/	/	/	/	/
2	18106002	AARTHY.K	/	/	/	/	/
3	18106003	AGATHIYAN.P	/	/	/	/	/
4	18106004	AKASH.K	/	/	/	/	/
5	18106005	ANBARASAN.P	/	/	/	/	/
6	18106006	ANJALIKUMARI	/	/	/	/	/
7	18106007	ARAVIND.R	/	/	/	/	/
8	18106008	ARAVINTH.I	a	a	a	a	a
9	18106009	ARUNPRIYA.M	/	/	/	/	/
10	18106010	BALAMURUGAN.M	/	/	/	/	/
11	18106011	CHOWDHRY.M	/	/	/	/	/
12	18106012	DHARANI.A	/	/	/	/	/
13	18106013	DINESH KUMAR.S	/	/	/	/	/
14	18106014	DURGA DEEPAN.C	/	/	/	/	/
15	18106015	EZHILANAND.S	/	/	/	/	/
16	18106016	GAUTHAM SRIRAM.R.S	/	/	/	/	/
17	18106017	GAYATHRI.M	/	/	/	/	/
18	18106018	GOKULRAJ.V	a	a	a	a	a
19	18106019	GOWSALYA.R	/	/	/	/	/
20	18106020	GOWTHAM.M	/	/	/	/	/
21	18106021	HEMAPRIYA.S	/	/	/	/	/
22	18106022	IDHAYAKARAN.G	/	/	/	/	/
23	18106023	JUJENDHIRA SUKKAL.V	/	/	/	/	/
24	18106024	KAMALESH.S	/	/	/	/	/
25	18106025	KARPAGAM.V	/	/	/	/	/
26	18106026	KAWIN.T	/	/	/	/	/
27	18106027	KOKILAVANI.V	/	/	/	/	/
28	18106028	KOWSIKA.S	/	/	/	/	/
29	18106029	MOGILADEVI.R	a	a	a	a	a
30	18106030	MUGHILVENDHAN.B	/	/	/	/	/
31	18106031	NAVEEN.S	/	/	/	/	/
32	18106032	PADMAPRIYA.S	/	/	/	/	/
33	18106033	PRABHA.S	/	/	/	/	/
34	18106034	PRAGADISHWARAN.S	/	/	/	/	/
35	18106035	PRAGATHEESH.S	/	/	/	/	/
36	18106037	PRIYANKA.N	/	/	/	/	/
37	18106038	RAKSHANA.C	/	/	/	/	/
38	18106039	RANJITHKUMAR.S	/	/	/	/	/
39	18106040	SANDHIYA.G	a	a	a	a	a
40	18106041	SANJAY KUMAR.P	/	/	/	/	/
41	18106042	SATHISH.D	/	/	/	/	/
42	18106043	SATHISH.M	/	/	/	/	/
43	18106044	SAVITHA.B	/	/	/	/	/
44	18106045	SHANMUGAM.G	/	/	/	/	/
45	18106046	SIKKANDHAR BATSHA.N	/	/	/	/	/
46	18106047	SIVASELVAMOORTHY.U	/	/	/	/	/
47	18106048	SOUNTHARIYA.V	/	/	/	/	/
48	18106049	SREENATH.B	/	/	/	/	/
49	18106050	SRINITHI.M	/	/	/	/	/
50	18106051	SUGANTHI.P.V	/	/	/	/	/
51	18106052	SUHAIL AHAMED.J	/	/	/	/	/
52	18106053	SURESHKUMAR.M	a	a	a	a	a
53	18106054	TAMILARASI.S	/	/	/	/	/
54	18106055	THANGADURAI.M	/	/	/	/	/
55	18106056	THIRUKKUMARAN.D	/	/	/	/	/

Course Coordinator


HoD/EEE

Dr. G. BALAJI M. E. Ph.D.
Professor & HOD
 Department of Electrical and Electronics Engineering
 Paavai Engineering College
 Namakkal - 637019



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

AKASH K

of Paavai Engineering College, studying in **Third Year** has successfully completed the **PCB DESIGN**
AND COMPONENT TESTING course from **27/07/2020** to **31/07/2020**.

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

DHARANI A

of Paavai Engineering College, studying in **Third Year** has successfully completed the **PCB DESIGN AND COMPONENT TESTING** course from **27/07/2020** to **31/07/2020**.

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

KAWIN T

of Paavai Engineering College, studying in **Third Year** has successfully completed the **PCB DESIGN AND COMPONENT TESTING** course from **27/07/2020** to **31/07/2020**.

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

SAVITHA B

of Paavai Engineering College, studying in **Third Year** has successfully completed the **PCB DESIGN AND COMPONENT TESTING** course from **27/07/2020** to **31/07/2020**.

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

PRIYANKA N

of Paavai Engineering College, studying in **Third Year** has successfully completed the **PCB DESIGN AND COMPONENT TESTING** course from **27/07/2020** to **31/07/2020**.

Course Coordinator

HOD

Principal



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)

COMPUTER APPLICATIONS IN POWER SYSTEM OPERATION AND PLANNING



Course Duration: 01.02.2021 to 05.02.2021

Venue: Online Mode- Microsoft Teams

Course Coordinator: S.Rathinavel AP/EEE

**PAAVAI ENGINEERING COLLEGE(AUTONOMOUS)
NAMAKKAL**


DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE : 20.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on " COMPUTER APPLICATIONS IN POWER SYSTEM OPERATION AND PLANNING " for Sixth semester students from 01.02.2021 to 05.02.2021. The interested UG and PG students are asked to enroll their names to the course coordinator Mr.S.Rathinavel AP/EEE on or before 25.01.2021.

Course Co-coordinator: I. Mr.S.Rathinavel AP/EEE


HOD/EEE
Principal & HOD
Department of Electrical & Electronics Engineering
Paavai Engineering college
Namakkal - 637014

Copy to:
Notice board.

COURSE OBJECTIVES

To enable the students to

- Understanding how computers applications are used in power systems for operation, and planning
- know practical industrial applications of computers in power systems
- know the power system economic dispatch.

UNIT I BASICS OF POWER SYSTEM STRUCTURE 10

Basic Concepts of Computer Applications in Power Systems; Multi-Level structure Grouping of various computer based applications of power systems. Real Time Modeling and System Studies Power System State Estimation: Problem formulation, Mathematical formulation, Solution Approaches, Case Study, Complete System State Estimation, Bad Data Processing

UNIT II SECURITY SYSTEM 10

Decomposition techniques in Power System State Estimation. Large Scale State Estimation. Power System Security: Security Assessment and Analysis, Security Assessment Studies. Solution methods, Case Study and Simulation Example, Security Constrained Studies. Contingency Analysis and Network Outage Simulation. Solution methods

UNIT III POWER SYSTEM ECONOMIC DISPATCH 10

Economic Dispatch (ED) and Unit Commitment (UC). Mathematical formulation, Solution Approaches Security Constrained ED and UC Optimal Power Flow, Problem Formulation, Mathematical formulation, Solution Approaches

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- describe Planning and operations of the power system is understood.
- Explain Industrial applications of computers in power systems are studied.
- Enumerate power system economic dispatch are analysed.

TEXT BOOKS

1. Frauendorfer, K. Optimization in the Planning and Operation of Electric Power Systems, Springer Verlag, 1992.

REFERENCES

1. Wood, A. J and Wollenberg, B. F, Power Generation Operation and Control, 2nd Edition John Wiley and Sons, 2003

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER: III/VI

NAME OF THE COURSE: 20EEVC601- COMPUTER APPLICATIONS IN POWER SYSTEM
 OPERATION AND PLANNING

S. No	Register No	Name of the Student	1.2.21	2.2.21	3.2.21	4.2.21	5.2.21
1	18106001	AADHI SHANKARAR.C	/	/	/	/	/
2	18106002	AARTHY.K	/	/	/	/	/
3	18106003	AGATHIYAN.P	/	/	/	/	/
4	18106004	AKASH.K	/	/	/	/	/
5	18106005	ANBARASAN.P	a	a	a	a	a
6	18106006	ANJALIKUMARI	/	/	/	/	/
7	18106007	ARAVIND.R	/	/	/	/	/
8	18106008	ARAVINTH.I	/	/	/	/	/
9	18106009	ARUNPRIYA.M	/	/	/	/	/
10	18106010	BALAMURUGAN.M	/	/	/	/	/
11	18106011	CHOWDHRY.M	/	/	/	/	/
12	18106012	DHARANI.A	/	/	/	/	/
13	18106013	DINESH KUMAR.S	a	a	a	a	a
14	18106014	DURGA DEEPAN.C	/	/	/	/	/
15	18106015	EZHILANAND.S	/	/	/	/	/
16	18106016	GAUTHAM SRIRAM.R.S	/	/	/	/	/
17	18106017	GAYATHRI.M	/	/	/	/	/
18	18106018	GOKULRAJ.V	/	/	/	/	/
19	18106019	GOWSALYA.R	/	/	/	/	/
20	18106020	GOWTHAM.M	/	/	/	/	/
21	18106021	HEMAPRIYA.S	/	/	/	/	/
22	18106022	IDHAYAKARAN.G	/	/	/	/	/
23	18106023	JUJENDHIRA SUKKAL.V	/	/	/	/	/
24	18106024	KAMALESH.S	/	/	/	/	/
25	18106025	KARPAGAM.V	/	/	/	/	/
26	18106026	KAWIN.T	/	/	/	/	/
27	18106027	KOKILAVANI.V	/	/	/	/	/
28	18106028	KOWSIKA.S	/	/	/	/	/
29	18106029	MOGILADEVI.R	/	/	/	/	/
30	18106030	MUGHILVENDHAN.B	/	/	/	/	/
31	18106031	NAVEEN.S	/	/	/	/	/
32	18106032	PADMAPRIYA.S	/	/	/	/	/
33	18106033	PRABHA.S	/	/	/	/	/
34	18106034	PRAGADISHWARAN.S	/	/	/	/	/
35	18106035	PRAGATHEESH.S	a	a	a	a	a
36	18106037	PRIYANKA.N	/	/	/	/	/
37	18106038	RAKSHANA.C	/	/	/	/	/
38	18106039	RANJITHKUMAR.S	/	/	/	/	/
39	18106040	SANDHIYA.G	/	/	/	/	/
40	18106041	SANJAY KUMAR.P	/	/	/	/	/
41	18106042	SATHISH.D	/	/	/	/	/
42	18106043	SATHISH.M	/	/	/	/	/
43	18106044	SAVITHA.B	/	/	/	/	/
44	18106045	SHANMUGAM.G	/	/	/	/	/
45	18106046	SIKKANDHAR BATSHA.N	a	a	a	a	a
46	18106047	SIVASELVAMOORTHY.U	/	/	/	/	/
47	18106048	SOUNTHARIYA.V	/	/	/	/	/
48	18106049	SREENATH.B	/	/	/	/	/
49	18106050	SRINITHI.M	/	/	/	/	/
50	18106051	SUGANTHI.P.V	/	/	/	/	/
51	18106052	SUHAIL AHAMED.J	/	/	/	/	/
52	18106053	SURESHKUMAR.M	/	/	/	/	/
53	18106054	TAMILARASI.S	/	/	/	/	/
54	18106055	THANGADURAI.M	a	a	a	a	a
55	18106056	THIRUKKUMARAN.D	/	/	/	/	/

Course Coordinator

HoD/EEE

Dr G BALAJI M F PhD
 Professor & HOD
 Department of Electrical and Electronics Engineering
 Paavai Engineering College
 Namakkal - 63701



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

SRINITHI M

of Paavai Engineering College, studying in **Third Year** has successfully completed the **COMPUTER APPLICATIONS IN POWER SYSTEM OPERATION AND PLANNING** course from **01/02/2021** to **05/02/2021**.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

SATHISH D

of Paavai Engineering College, studying in **Third Year** has successfully completed the **COMPUTER APPLICATIONS IN POWER SYSTEM OPERATION AND PLANNING** course from 01/02/2021 to 05/02/2021

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

NAVEEN S

of Paavai Engineering College, studying in **Third Year** has successfully completed the **COMPUTER APPLICATIONS IN POWER SYSTEM OPERATION AND PLANNING** course from **01/02/2021** to **05/02/2021**

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

KAWIN T

of Paavai Engineering College, studying in **Third Year** has successfully completed the **COMPUTER APPLICATIONS IN POWER SYSTEM OPERATION AND PLANNING** course from **01/02/2021** to **05/02/2021**

A handwritten signature in black ink, appearing to be 'M. J. Mani', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'S. S. Senthil', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S. Senthil', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

AARTHY K

of Paavai Engineering College, studying in **Third Year** has successfully completed the **COMPUTER APPLICATIONS IN POWER SYSTEM OPERATION AND PLANNING** course from **01/02/2021** to **05/02/2021**

Course Coordinator

HOD

Principal



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)**

POWER CONVERTER ANALYSIS AND DESIGN



Course Duration: 27.07.2020 to 31.07.2020.

Venue: Online Mode- Google Meet

Course Coordinator: Dr.A.Rathinam ASP/EEE

**PAAVAI ENGINEERING COLLEGE(AUTONOMOUS)
NAMAKKAL**

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE : 17.07.2020

CIRCULAR

It is planned to conduct Five Days Value Added Course on " POWER CONVERTER ANALYSIS AND DESIGN" for Seventh semester students from 27.07.2020 to 31.07.2020. The interested UG and PG students are asked to enroll their names to the course coordinator Dr.A.Rathinam ASP/EEE on or before 23.07.2020.

Course Co-coordinator: 1. Dr.A.Rathinam ASP/EEE


HOD/EEE

Dr G BALAJI M E Ph.D
Professor & HOD
Department of Electrical and Electronics Engineering
Paavai Engineering college
Namakkal - 637019

Copy to:
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COURSE OBJECTIVES

To enable the students to

- To know the fundamental design and operation of the power semiconductors.
- To study the functions of the IGBT.
- To understand the functions and performance of the convertor.

UNIT I INTRODUCTION**10**

Power Devices and their driving circuitry IGBT, Power MOSFET, IGCT, SCR data sheet interpretation and gate drive Circuit Design, SiC MOSFET devices and their characteristics AC/DC Converters Review of three phase SCR bridge converters and performance analysis. Three phase and cascaded bridge structure with phase shifting transformer

UNIT II FUNCTIONS OF IGBT**10**

IGBT front end converter and their control in sync ref frame (ref frames should be taken up in beginning section in machine modeling course for this) four quadrant operation resistance emulation methods.

UNIT III CONVERTOR**10**

Single phase power factor correction circuits and control DC/AC converters Two level inverters: Selective Harmonic Elimination, SPWM, Space Vector. Advances in Space Vector Approach. Effect of dead time on performance and compensation schemes

TOTAL PERIODS**30****COURSE OUTCOMES**

At the end this course, students will be able to

- Fundamental design and operation of the power semiconductors are studied.
- Functions of the IGBT are understood.
- Configurations and performance of the convertors are analysed.

TEXT BOOKS

1. Marty Brown, Power Supply Cookbook, Newnes Publishers, 2001.

REFERENCES

1. D.G.Holmes, Thomas.A.Lipo, Pulse Width Modulation for Power Converters Principles and Practice, John Wiley & Sons Publishers, 2003

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER: IV/VII

NAME OF THE COURSE: 20EEVC701-POWER CONVERTER ANALYSIS AND DESIGN

S. No	Register No	Name of the Student	27/7/20	28/7/20	29/7/20	30/7/20	31/7/20	27/7/20
1	17106001	AAKASH.K	/	/	/	/	/	/
2	17106003	AJAY KUMAR.S	/	/	/	/	/	/
3	17106004	AKASH.R	/	/	/	/	/	/
4	17106005	AKIL.M	/	/	/	/	/	/
5	17106006	ANUSHA.S	/	/	/	/	/	/
6	17106007	ANUSHREE.V	/	/	/	/	/	/
7	17106008	ARIVAZHAGAN.M	/	/	/	/	/	/
8	17106009	ARUL MOZHIYAN.K	/	/	/	/	/	/
9	17106010	ARUN KUMAR.S	/	/	/	/	/	/
10	17106011	ARUNRAJ.R	/	/	/	/	/	/
11	17106013	AYYAPPAN.S	/	/	/	/	/	/
12	17106014	CASTRO.T.S	a	a	a	a	a	a
13	17106015	DEEPALAKSHMI.M	/	/	/	/	/	/
14	17106016	DHANRAJ.R	/	/	/	/	/	/
15	17106018	DILEEPAN.A	/	/	/	/	/	/
16	17106019	DYANA MARY.D	/	/	/	/	/	/
17	17106020	ESHWARAMOORTHY.S	/	/	/	/	/	/
18	17106021	GOKUL PRASANTH.D	/	/	/	/	/	/
19	17106022	GOKUL.L	/	/	/	/	/	/
20	17106023	GOWTHAM.M	/	/	/	/	/	/
21	17106024	GOWTHAMAN.M	/	/	/	/	/	/
22	17106025	HARIHARAN.A	/	/	/	/	/	/
23	17106026	JACKUP SURYA.M	/	/	/	/	/	/
24	17106027	JAIGANESH.N	/	/	/	/	/	/
25	17106028	JANANI.R	/	/	/	/	/	/
26	17106029	JAYABHARATHI.M	/	/	/	/	/	/
27	17106030	KARTHIK.K	/	/	/	/	/	/
28	17106031	KARTHIK.M	/	/	/	/	/	/
29	17106032	KARTHIKEYAN.D	/	/	/	/	/	/
30	17106033	KARTHIKEYAN.G	/	/	/	/	/	/
31	17106034	KARTHIKRAJA.C	/	/	/	/	/	/
32	17106036	KEERTHANA.S	/	/	/	/	/	/
33	17106037	KOWSHIKA.S	/	/	/	/	/	/
34	17106039	MADHESH.S	a	a	a	a	a	a
35	17106040	MAHENDIRAN.A	/	/	/	/	/	/
36	17106041	MANASHA.M	/	/	/	/	/	/
37	17106042	MEGANATHAN.T	/	/	/	/	/	/
38	17106043	MEIKANDAPRASANTH.M.L	/	/	/	/	/	/
39	17106044	MOHANA GANDHI RAM.B	/	/	/	/	/	/
40	17106046	NALINADEVI.G	/	/	/	/	/	/
41	17106047	NAVEENKUMAR.D	/	/	/	/	/	/
42	17106048	NISHA.K	/	/	/	/	/	/
43	17106049	NIVETHA.S	/	/	/	/	/	/
44	17106050	OVIYASRI.S	/	/	/	/	/	/
45	17106051	PALRAJ.S	/	/	/	/	/	/
46	17106052	PANDI KIRUBHAKARAN.E	/	/	/	/	/	/
47	17106053	PARAMESHWARI.K	/	/	/	/	/	/
48	17106056	PRAVEENKUMAR.R	/	/	/	/	/	/
49	17106057	PRAVEENKUMAR.G	/	/	/	/	/	/
50	17106058	PRAVIN.M	/	/	/	/	/	/
51	17106059	PRITHIVI RAJ.K	/	/	/	/	/	/
52	17106060	PUGAZHENTHIL.M	a	a	a	a	a	a
53	17106061	PURUSHOTHAMAN.V	/	/	/	/	/	/
54	17106062	RAJ PRABHAKAR.J	/	/	/	/	/	/
55	17106063	RAJKUMAR.D.A	/	/	/	/	/	/
56	17106064	RAJKUMAR.T	/	/	/	/	/	/
57	17106065	RETHINAKUMAR.B	/	/	/	/	/	/
58	17106066	SABARIRAJAN.B	/	/	/	/	/	/
59	17106068	SANKAR.S	/	/	/	/	/	/
60	17106069	SANTHOSH KUMAR.S	/	/	/	/	/	/
61	17106070	SATHIYA MOORTHY.V	/	/	/	/	/	/
62	17106071	SILPA.S	a	a	a	a	a	a
63	17106072	SIVANANDHAN.S	/	/	/	/	/	/
64	17106073	SRIDHAR.S	/	/	/	/	/	/



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

AKIL M

of Paavai Engineering College, studying in **Final Year** has successfully completed the **POWER
CONVERTER ANALYSIS AND DESIGN** course from **27/07/2020** to **31/07/2020**.

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

ARUNRAJ R

of Paavai Engineering College, studying in **Final Year** has successfully completed the **POWER
CONVERTER ANALYSIS AND DESIGN** course from **27/07/2020** to **31/07/2020**.

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 L

of Paavai Engineering College, studying in **Final Year** has successfully completed the **POWER
CONVERTER ANALYSIS AND DESIGN** course from **27/07/2020** to **31/07/2020**.

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

JANANI R

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

CONVERTER ANALYSIS AND DESIGN course from 27/07/2020 to 31/07/2020.

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

KARTHIK K

of Paavai Engineering College, studying in **Final Year** has successfully completed the **POWER
CONVERTER ANALYSIS AND DESIGN** course from **27/07/2020** to **31/07/2020**.

Course Coordinator

HOD

Principal



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)

ENTREPRENEURSHIP AND SOCIAL RESPONSIBILITY



Course Duration: 01.02.2021 to 05.02.2021

Venue: Online Mode- Microsoft Teams

Course Coordinator: R.Muthukumar AP/EEE

PAAVAI ENGINEERING COLLEGE(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE : 20.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "ENTREPRENEURSHIP AND SOCIAL RESPONSIBILITY" for Eighth semester students from 01.02.2021 to 05.02.2021. The interested UG and PG students are asked to enroll their names to the course coordinator Mr.R.Muthukumar AP/EEE on or before 25.01.2021.

Course Co-coordinator: 1. Mr. R.Muthukumar AP/EEE


HOD/EEE

Dr.G.BALAJI, M.E., Ph.D.,
Professor & HOD
Department of Electrical and Electronics Engineering
Paavai Engineering college
Namakka - 637019

Copy to:

Notice board.

COURSE OBJECTIVES

To enable the students to

- provide knowledge about The Social Entrepreneurship
- develop “a Social entrepreneurial imagination and to bring out the practice of Social Entrepreneurship in India.
- Understand about the entrepreneurship process

UNIT I ENTREPRENEUR AND ENTREPRENEURSHIP**10**

Meaning, definition: Entrepreneur, Entrepreneurship. Types of Entrepreneurs –Social entrepreneur, Serial entrepreneur, Life style entrepreneur. Types of Entrepreneurship –creative entrepreneurship, inclusive entrepreneurship, knowledge entrepreneurship. Entrepreneurial characteristics: Inspiration, creativity, direct action, courage and fortitude.

UNIT II SOCIAL ENTREPRENEUR, SOCIAL ENTREPRENEURSHIP AND SOCIAL ENTERPRISES**10**

Meaning, definition: Social entrepreneur, social entrepreneurship, social enterprises. Characteristics of Social Entrepreneurship - Explicitly formulated mission to create and sustain social value and to benefit the communities, high degree of economic risk and autonomy in activities related to producing goods and/or selling services, pursuit of new opportunities and exploration of hidden resources to serve that missions, quest for sustainable models, based on well elaborated feasibility study.

UNIT III THE SOCIAL ENTREPRENEURSHIP PROCESS**10**

The Timmons Model of the Entrepreneurship Process, The PCDO (The People, Context, Deal, and opportunity) frame work, The Case Model, The Social Entrepreneurship Frame work. Sources of Social Entrepreneurship -Public Sector, Private Sector, Voluntary Sector.

TOTAL PERIODS**30****COURSE OUTCOMES**

At the end this course, students will be able to

- explain about the Social Entrepreneurship
- Social entrepreneurial imagination and to bring out the practice of Social Entrepreneurship in India.
- Describe the social entrepreneurship process

TEXT BOOKS

1. Robert A. Philips Margret Bonefiel Ritesh Sharma, Social entrepreneurship, the next big business opportunity Global Vision Publishing House, New Delhi, 2011

REFERENCES

1. S.S.Khanka, Entrepreneurship in India, perspective and practice, Akansha publishing house, New Delhi, 2009

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER: IV/VIII

NAME OF THE COURSE: 20EEVC801- ENTREPRENUERSHIP AND SOCIAL RESPONSIBILITY

S. No	Register No	Name of the Student	1.2.21	2.2.21	3.2.21	4.2.21	5.2.21
1	17106001	AAKASH.K	/	/	/	/	/
2	17106003	AJAY KUMAR.S	/	/	/	/	/
3	17106004	AKASH.R	/	/	/	/	/
4	17106005	AKIL.M	/	/	/	/	/
5	17106006	ANUSHA.S	/	/	/	/	/
6	17106007	ANUSHREE.V	/	/	/	/	/
7	17106008	ARIVAZHAGAN.M	/	/	/	/	/
8	17106009	ARUL MOZHIYAN.K	/	/	/	/	/
9	17106010	ARUN KUMAR.S	/	/	/	/	/
10	17106011	ARUNRAJ.R	/	/	/	/	/
11	17106013	AYYAPPAN.S	/	/	/	/	/
12	17106014	CASTRO.T.S	/	/	/	/	/
13	17106015	DEEPALAKSHMI.M	/	/	/	/	/
14	17106016	DHANRAJ.R	/	/	/	/	/
15	17106018	DILEEPAN.A	/	/	/	/	/
16	17106019	DYANA MARY.D	/	/	/	/	/
17	17106020	ESHWARAMOORTHY.S	/	/	/	/	/
18	17106021	GOKUL PRASANTH.D	/	/	/	/	/
19	17106022	GOKUL.L	/	/	/	/	/
20	17106023	GOWTHAM.M	/	/	/	/	/
21	17106024	GOWTHAMAN.M	/	/	/	/	/
22	17106025	HARIHARAN.A	/	/	/	/	/
23	17106026	JACKUP SURYA.M	/	/	/	/	/
24	17106027	JAIGANESH.N	/	/	/	/	/
25	17106029	JAYABHARATHI.M	/	/	/	/	/
26	17106030	KARTHIK.K	/	/	/	/	/
27	17106031	KARTHIK.M	/	/	/	/	/
28	17106032	KARTHIKEYAN.D	/	/	/	/	/
29	17106033	KARTHIKEYAN.G	/	/	/	/	/
30	17106034	KARTHIKRAJA.C	/	/	/	/	/
31	17106036	KEERTHANA.S	/	/	/	/	/
32	17106037	KOWSHIKA.S	/	/	/	/	/
33	17106039	MADHESH.S	/	/	/	/	/
34	17106040	MAHENDIRAN.A	/	/	/	/	/
35	17106041	MANASHA.M	/	/	/	/	/
36	17106042	MEGANATHAN.T	/	/	/	/	/
37	17106043	MEIKANDAPRASANTH.M.L	/	/	/	/	/
38	17106044	MOHANA GANDHI RAM.B	/	/	/	/	/
39	17106046	NALINADEVI.G	/	/	/	/	/
40	17106047	NAVEENKUMAR.D	/	/	/	/	/
41	17106048	NISHA.K	/	/	/	/	/
42	17106049	NIVETHA.S	/	/	/	/	/
43	17106050	OVIYASRI.S	/	/	/	/	/
44	17106051	PALRAJ.S	/	/	/	/	/
45	17106052	PANDI KIRUBHAKARAN.E	/	/	/	/	/
46	17106053	PARAMESHWARI.K	/	/	/	/	/
47	17106057	PRAVEENKUMAR.G	/	/	/	/	/
48	17106058	PRAVIN.M	/	/	/	/	/
49	17106059	PRITHIVI RAJ.K	/	/	/	/	/
50	17106060	PUGAZHENTHI.M	/	/	/	/	/
51	17106061	PURUSHOTHAMAN.V	/	/	/	/	/
52	17106062	RAJ PRABHAKAR.J	/	/	/	/	/
53	17106063	RAJKUMAR.D.A	/	/	/	/	/
54	17106064	RAJKUMAR.T	/	/	/	/	/
55	17106065	RETHINAKUMAR.B	/	/	/	/	/
56	17106066	SABARIRAJAN.B	/	/	/	/	/
57	17106068	SANKAR.S	/	/	/	/	/
58	17106069	SANTHOSH KUMAR.S	/	/	/	/	/
59	17106070	SATHIYA MOORTHY.V	/	/	/	/	/
60	17106071	SILPA.S	/	/	/	/	/
61	17106072	SIVANANDHAN.S	/	/	/	/	/



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

AKASH R

of Paavai Engineering College, studying in **Final Year** has successfully completed the **ENTREPRENEURSHIP
AND SOCIAL RESPONSIBILITY** course from 01/02/2021 to 05/02/2021.

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

KARTHIK M

of Paavai Engineering College, studying in **Final Year** has successfully completed the **ENTREPRENUERSHIP
AND SOCIAL RESPONSIBILITY** course from 01/02/2021 to 05/02/2021.

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

PRAVIN M

of Paavai Engineering College, studying in **Final Year** has successfully completed the **ENTREPRENUERSHIP
AND SOCIAL RESPONSIBILITY** course from **01/02/2021** to **05/02/2021**.

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

SILPA S

of Paavai Engineering College, studying in **Final Year** has successfully completed the **ENTREPRENUERSHIP**
AND SOCIAL RESPONSIBILITY course from **01/02/2021** to **05/02/2021**.

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 K

of Paavai Engineering College, studying in **Final Year** has successfully completed the **ENTREPRENUERSHIP
AND SOCIAL RESPONSIBILITY** course from **01/02/2021** to **05/02/2021**.

Course Coordinator

HOD

Principal

**DEPARTMENT OF MECHANICAL
ENGINEERING**



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE

ON

20MEVC301-WIND ENGINEERING

ABOUT THE COURSE:

This course will introduce you to using the wind as energy. You will study the process by which wind is converted into electricity through an electrical generator and learn about windmills. Finally, delve into emerging designs to reduce the impact on birds. This material will give you a thorough grounding in the many benefits and challenges that come from wind energy

INTENDED AUDIENCE:

- II-, III- and IV-year students those who were interested in Electrical energy development.
- Students those interested to know the concept of Energy conversion.

DURATION OF THE COURSE:

Period: 27.07.2020 to 31.07.2020

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

- demonstrate an understanding of the energy needs and associated cost of energy for a given region of the world
- design wind turbines that have maximum efficiency over a range of wind speeds.
- wind turbines that have maximum efficiency over a range of wind speeds.



COURSE IN CHARGES:

1. Dr.P.PUGALENTHI, AP/MECH, PEC
2. Mr. R.MOHANRAJ, AP/MECH, PEC

VENUE

MICROSOFT TEAMS PLATFORM

**Note: Interested students enroll their name to the course in charge on or before
23.07.2020**



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 17.07.2020

CIRCULAR

It is planned to conduct the Five days value added course on "20MEVC301-WIND ENGINEERING" for our students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their names to the course in charge "Dr.P.PUGALENTHI, AP/MECH," on or before 23.07.2020.

COURSE IN CHARGES:

1. Dr.P.PUGALENTHI, AP/MECH, PEC
2. Mr. R.MOHANRAJ, AP/MECH, PEC

Head of the Department

Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board

COURSE OBJECTIVES

To enable the students to

- learn about wind energy and its potential, modeling and design horizontal axis wind turbines
- analysis of the economic benefits of wind turbine systems.
- learn the selection of material, equipment and development of a product for Industry 4.0 environment.

1. OVERVIEW OF WIND ENGINEERING

Benefits of wind energy , Assessment of Wind Resources , Assessment of means of energy production, consumption, and cost , Green credit ,Wind turbine terminology and definitions.

2. AIRFOIL AERODYNAMICS

Lift, drag, and pitching moment , Panel method for airfoil analysis , Modeling laminar and turbulent boundary layers, and transition , Airfoil design for wind energy applications

3. BLADE ELEMENT THEORY

Inflow models based on combined blade element theory , Incorporation of swirl losses in inflow , Root and tip losses, and stall delay models , Assessment of publicly available wind turbine modeling tools

4. CONVERSION OF MECHANICAL ENERGY INTO ELECTRICITY

Basic AC Power Generators ,Hybrid Power Systems ,Hybrid System Modeling and Simulation

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- demonstrate an understanding of the energy needs and associated cost of energy for a given region of the world
- design wind turbines that have maximum efficiency over a range of wind speeds.
- wind turbines that have maximum efficiency over a range of wind speeds.

TEXT BOOKS

1. J. F. Maxwell, J. G. McGowan, and A. L. Rogers, Wind Energy Explained – Theory, Design, and Applications, John Wiley & Sons, 2010, ISBN: 978-0-470- 01500-1. (recommend hardcopy to accommodate Respondus LockDown Browser)
2. Dr. John Wagner, Fundamentals of Wind Power, Lecture Notes and Homework Problems, May 2018. (available on Canvas; suggest printing a copy to accommodate the Respondus Browser software package)

REFERENCE

1. M. Hansen, Aerodynamics of Wind Turbines, Routledge, 2015.
2. S. Heier, Grid Integration of Wind Energy Conversion Systems, Wiley, 2014.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year: 2020 -2021

ATTENDANCE SHEET

Year/Semester : II/III

Name of the course: 20MEVC301-WIND ENGINEERING

Date: 27.07.2020

Sl.No	Register Number	Name of the student	27.07.20	28.07.20	29.07.20	30.07.20	31.07.20
1.	19107001	ABINATH.S	/	/	/	/	/
2.	19107002	ABINESH.M	/	/	/	/	/
3.	19107003	ABISEGANATHAN.M	/	/	/	/	/
4.	19107004	AJAY KUMAR.R	/	/	/	/	/
5.	19107005	AKASH.P.T	/	/	/	/	/
6.	19107006	ANISHRAJ.S.B	/	/	/	/	/
7.	19107007	ANUMITHRA.S	/	/	/	/	/
8.	19107008	ARAVIND.R	/	/	/	/	/
9.	19107009	ARIVALAGAN.M	/	/	/	/	/
10.	19107010	ARUN.C	/	/	/	/	/
11.	19107011	ARUNKUMAR.N	/	/	/	/	/
12.	19107012	BAGATH ILAKKIYAN.G	/	/	/	/	/
13.	19107013	CHANDRU.S	/	/	/	/	/
14.	19107014	CHARAN.G.S	/	/	/	/	/
15.	19107015	GOKULRAJ.P.S	/	/	/	/	/
16.	19107016	GOWDHAM.K	/	/	/	/	/
17.	19107017	GOWTHAM.M	/	/	/	/	/
18.	19107018	HARENARAYANAN.V	/	/	/	/	/
19.	19107019	HARI.R	/	/	/	/	/
20.	19107020	HARIHARAN.K	/	/	/	/	/
21.	19107021	HARIRAM.S	/	/	/	/	/
22.	19107022	HARISHKUMAR.M	/	/	/	/	/
23.	19107023	JEEVA.S	/	/	/	/	/
24.	19107024	JINO.K	/	/	/	/	/
25.	19107025	KARTHIGAI SELVAM.A	/	/	/	/	/

Sl.No	Register Number	Name of the student	27.07.20	28.07.20	29.07.20	30.07.20	31.07.20
26.	19107026	KARTHIKEYAN S	/	/	/	/	/
27.	19107027	KARTHIKEYAN.M	/	/	/	/	/
28.	19107028	KARTHIKEYAN.T	/	/	/	/	/
29.	19107029	KAVIYARASU.T	/	/	/	/	/
30.	19107030	KISHORESHANKER.R.G	/	/	/	/	/
31.	19107031	KUMARAN.K	/	/	/	/	/
32.	19107032	LOGESH.P	/	/	/	/	/
33.	19107033	LOKESHWARAN.P	/	/	/	/	/
34.	19107034	MADHAN KUMAR.M	/	/	/	/	/
35.	19107035	MADHAN.P	AB	AB	AB	AB	AB
36.	19107036	MANIKANDAN.R	/	/	/	/	/
37.	19107037	MOHAMED RAFAEEK.M	/	/	/	/	/
38.	19107038	MOHANKUMAR.K	AB	AB	AB	AB	AB
39.	19107039	MOHAN.M	/	/	/	/	/
40.	19107040	MOULI PRASAD.C	/	/	/	/	/
41.	19107041	MUGUNTHAN.S	/	/	/	/	/
42.	19107042	NANDHA KUMAR.P	/	/	/	/	/
43.	19107043	NISHANTH.B	/	/	/	/	/
44.	19107044	NISHANTH.R	/	/	/	/	/
45.	19107045	PARTHIPAN.P	/	/	/	/	/
46.	19107046	PIRADEP.S	/	/	/	/	/
47.	19107047	PRAKASH.D	AB	AB	AB	AB	AB
48.	19107048	PRAKASH.K	/	/	/	/	/
49.	19107049	PRAVEEN.J	/	/	/	/	/
50.	19107050	PRAVEENKUMAR.B	/	/	/	/	/
51.	19107051	PRAVEENRAJ.V	/	/	/	/	/
52.	19107052	RAJAGANAPATHI.M	/	/	/	/	/
53.	19107053	RAJAPANDIAN.S	/	/	/	/	/
54.	19107054	RAJKUMAR.K	/	/	/	/	/
55.	19107055	RAMASAMY K	/	/	/	/	/
56.	19107056	RANJITHKUMAR.S	/	/	/	/	/
57.	19107057	SABARI NATHAN.N	/	/	/	/	/
58.	19107058	SABARINATHAN.G	/	/	/	/	/

Sl.No	Register Number	Name of the student	27.07.20	28.07.20	29.07.20	30.07.20	31.07.20
59.	19107059	SACHIN.K	/	/	/	/	/
60.	19107060	SAKTHIVEL.A	/	/	/	/	/
61.	19107061	SAKTHIVEL.K	/	/	/	/	/
62.	19107062	SANJAY.S	/	/	/	/	/
63.	19107063	SANTHOSHKUMAR.M	/	/	/	/	/
64.	19107064	SARAN.M	/	/	/	/	/
65.	19107065	SARAVANAN.N	/	/	/	/	/
66.	19107066	SATHEESH.S	/	/	/	/	/
67.	19107067	SATHISHKUMAR.R	/	/	/	/	/
68.	19107068	SEENUVASAN.K	/	/	/	/	/
69.	19107069	SELVA PRABBU.N	/	/	/	/	/
70.	19107070	SHAM.K	/	/	/	/	/
71.	19107071	SIVA CHANDRU KANNAN.C	/	/	/	/	/
72.	19107072	SIVA GURU NATHAN.C	/	/	/	/	/
73.	19107073	SIVALINGAM.S	/	/	/	/	/
74.	19107074	SRIDHARPRASAD.R.K	/	/	/	/	/
75.	19107075	SUBA ANAND.G	/	/	/	/	/
76.	19107076	SUBASH.U	/	/	/	/	/
77.	19107077	SUJIN DHAS.R	/	/	/	/	/
78.	19107078	SUNIL.A	AB	AB	AB	AB	AB
79.	19107079	SUYAMPRAKASHAM.M	/	/	/	/	/
80.	19107080	THIRUSENTHILNATHAN.D	/	/	/	/	/
81.	19107081	VEL PRABHAKARAN.C	/	/	/	/	/
82.	19107082	VENKATESAN.K	/	/	/	/	/
83.	19107083	VENKATESH.S	/	/	/	/	/
84.	19107084	VENKATESHWARA.G	/	/	/	/	/
85.	19107085	VIGNESH.G	/	/	/	/	/
86.	19107086	VIGNESH.K	/	/	/	/	/
87.	19107087	VIJAYPRIYAN.M	/	/	/	/	/
88.	19107088	VINOTH.N	/	/	/	/	/
89.	19107089	VISHNURAM.A	AB	AB	AB	AB	AB

COURSE IN CHARGES:

1 Dr.P.PUGALENTHI, AP/MECH, PEC, 2. Mr. R.MOHANRAJ, AP/MECH, PEC



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

VINOTH.N

of Paavai Engineering College, studying Second year has successfully completed the value added course
"20MEVC301-WIND ENGINEERING". The duration of the course is 30 hours from 27.07.2020 to

31.07.2020

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

BAGATH ILAKKIYAN.G

of Paavai Engineering College, studying Second year has successfully completed the value added course
"20MEVC301-WIND ENGINEERING". The duration of the course is 30 hours from 27.07.2020 to

31.07.2020

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

VIGNESH.G

of Paavai Engineering College, studying Second year has successfully completed the value added course
"20MEVC301-WIND ENGINEERING". The duration of the course is 30 hours from 27.07.2020 to

31.07.2020

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

RAMASAMY K

of Paavai Engineering College, studying Second year has successfully completed the value added course
"20MEVC301-WIND ENGINEERING". The duration of the course is 30 hours from 27.07.2020 to

31.07.2020

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

SARAN.M

of Paavai Engineering College, studying Second year has successfully completed the value added course

"20MEVC301-WIND ENGINEERING". The duration of the course is 30 hours from 27.07.2020 to

31.07.2020

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE

ON

20MEVC401-3D PRINTING

ABOUT THE COURSE:

3D Printing technology, also known as Additive Manufacturing (AM), refers to processes used to generate a 3D object in which layers of material are successively formed under a computer controlled program to create a physical object. The 3D file source is usually sliced into several layers, each layer generating a set of computer controlled instructions. Both 3D printing and additive manufacturing reflect that the technologies share the theme of sequential-layer material addition or joining throughout a 3D work. 3D printing technologies can be split up into 2 groups: direct and indirect 3D printing. The main difference lies in the fact that the design is directly made from 3D printing (direct) or 3D printing was used in the process of creating your model (indirect).etc.

INTENDED AUDIENCE:

- II-, III- and IV-year students those who were interested in product development area.
- Students those interested to know the basic of additive manufacturing process.

DURATION OF THE COURSE:

Period: 08.02.2021 to 12.02.2021

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

- Develop CAD models for 3D printing.
- Select a specific material for the given application.
- Select a 3D printing process for an application.
- Produce a product using 3D Printing or Additive Manufacturing (AM).

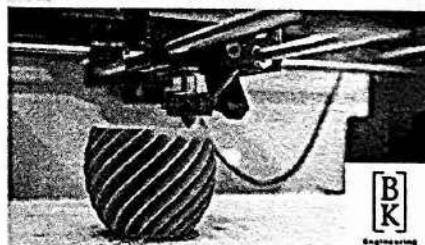
COURSE IN CHARGES:

1. Dr.M.S.VIJAYANAND, AP/MECH, PEC
2. Mr. P.SELVAKUMAR, AP/MECH, PEC

Note: Interested students enroll their name to the course in charge on or before 02.02.2021.

MECHANICAL ENGINEERING

3D Printing



VENUE

GOOGLE MEET PLATFORM



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 27.01.2021

CIRCULAR

It is planned to conduct the Five days value added course on "20MEVC401-3D PRINTING" for our students from 08.02.2021 to 12.02.2021. The interested students are asked to enroll their names to the course in charge "Dr.M.S.VIJAYANAND, AP/MECH" on or before 02.02.2021.

COURSE IN CHARGES:

1. Dr.M.S.VIJAYANAND, AP/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

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.
- apply these techniques into various applications.

1. 3D PRINTING (ADDITIVE MANUFACTURING)

Introduction, Process, Classifications, Advantages, Additive v/s Conventional Manufacturing processes, Applications.

2. CAD FOR ADDITIVE MANUFACTURING

CAD Data formats, Data translation, Data loss, STL format.

3. ADDITIVE MANUFACTURING TECHNIQUES

Stereo- Lithography, LOM, FDM, SLS, SLM, Binder Jet technology. Process, Process parameter, Process Selection for various applications. Additive Manufacturing Application Domains: Aerospace, Electronics, Health Care, Defence, Automotive, Construction, Food Processing, Machine Tools

4. POST PROCESSING: REQUIREMENT AND TECHNIQUES

Inspection and testing , Defects and their causes

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.
- select a 3D printing process for an application Manufacturing (AM).

TEXT BOOKS

1. Lan Gibson, David W. Rosen and Brent Stucker, "Additive Manufacturing Technologies: Rapid Prototyping to Direct Digital Manufacturing", Springer, 2010.
2. Andreas Gebhardt, "Understanding Additive Manufacturing: Rapid Prototyping, Rapid Tooling, Rapid Manufacturing", Hanser Publisher, 2011.

REFERENCE

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 MECHANICAL ENGINEERING

Academic Year: 2020 -2021

ATTENDANCE SHEET

Year/Semester : II/IV

Name of the course : 20MEVC401- 3D PRINTING

Date: 08.02.2021

Sl.No	Register Number	Name of the student	08.02.21	09.02.21	10.02.21	11.02.21	12.02.21
1.	19107001	ABINATH.S	/	/	/	/	/
2.	19107002	ABINESH.M	/	/	/	/	/
3.	19107003	ABISEGANATHAN.M	/	/	/	/	/
4.	19107004	AJAY KUMAR.R	/	/	/	/	/
5.	19107005	AKASH.P.T	/	/	/	/	/
6.	19107006	ANISHRAJ.S.B	/	AB	/	/	/
7.	19107007	ANUMITHRA.S	/	/	/	/	/
8.	19107008	ARAVIND.R	/	/	/	/	/
9.	19107009	ARIVALAGAN.M	/	/	/	/	/
10.	19107010	ARUN.C	/	/	/	/	/
11.	19107011	ARUNKUMAR.N	/	/	/	/	/
12.	19107012	BAGATH ILAKKIYAN.G	/	/	/	/	/
13.	19107013	CHANDRU.S	/	/	/	/	/
14.	19107014	CHARAN.G.S	/	/	/	/	/
15.	19107015	GOKULRAJ.P.S	/	/	/	/	/
16.	19107016	GOWDHAM.K	/	/	/	/	/
17.	19107017	GOWTHAM.M	/	/	/	/	/
18.	19107018	HARENARAYANAN.V	/	/	/	/	/
19.	19107019	HARI.R	AB	AB	AB	AB	AB
20.	19107020	HARIHARAN.K	/	/	/	/	/
21.	19107021	HARIRAM.S	/	/	/	/	/
22.	19107022	HARISHKUMAR.M	/	/	/	/	/
23.	19107023	JEEVA.S	/	/	/	/	/
24.	19107024	JINO.K	/	/	/	/	/
25.	19107025	KARTHIGAI SELVAM.A	/	/	/	/	/

Sl.No	Register Number	Name of the student	08.02.21	09.02.21	10.02.21	11.02.21	12.02.21
26.	19107026	KARTHIKEYAN S	/	/	/	/	/
27.	19107027	KARTHIKEYAN.M	/	/	/	/	/
28.	19107028	KARTHIKEYAN.T	/	/	AB	/	/
29.	19107029	KAVIYARASU.T	/	/	/	/	/
30.	19107030	KISHORESHANKER.R.G	/	/	/	/	/
31.	19107031	KUMARAN.K	/	/	/	/	/
32.	19107032	LOGESIL.P	/	/	/	/	/
33.	19107033	LOKESHIWARAN.P	/	/	/	/	/
34.	19107034	MADHAN KUMAR.M	/	/	/	/	/
35.	19107035	MADHAN.P	AB	AB	AB	AB	AB
36.	19107036	MANIKANDAN.R	/	/	/	/	/
37.	19107037	MOHAMED RAFAEEK.M	/	/	/	/	/
38.	19107038	MOHANKUMAR.K	/	/	/	/	/
39.	19107039	MOHAN.M	/	/	/	/	/
40.	19107040	MOULI PRASAD.C	/	/	/	/	/
41.	19107041	MUGUNTHAN.S	/	/	/	/	/
42.	19107042	NANDHA KUMAR.P	AB	AB	AB	AB	AB
43.	19107043	NISHANTH.B	/	/	/	/	/
44.	19107044	NISHANTH.R	/	/	/	/	/
45.	19107045	PARTHIPAN.P	/	/	/	/	/
46.	19107046	PIRADEP.S	/	/	/	/	/
47.	19107047	PRAKASH.D	/	/	/	/	/
48.	19107048	PRAKASH.K	/	/	/	/	/
49.	19107049	PRAVEEN.J	/	/	/	/	/
50.	19107050	PRAVEENKUMAR.B	/	/	/	/	/
51.	19107051	PRAVEENRAJ.V	/	/	/	/	/
52.	19107052	RAJAGANAPATHI.M	/	/	/	/	/
53.	19107053	RAJAPANDIAN.S	/	/	/	/	/
54.	19107054	RAJKUMAR.K	/	/	/	/	/
55.	19107055	RAMASAMY K	AB	/	/	/	/
56.	19107056	RANJITHKUMAR.S	/	/	/	/	/
57.	19107057	SABARI NATHAN.N	/	/	/	/	/
58.	19107058	SABARINATHAN.G	/	/	/	/	/

Sl.No	Register Number	Name of the student	08.02.21	09.02.21	10.02.21	11.02.21	12.02.21
59.	19107059	SACHIN.K	/	/	/	AB	/
60.	19107060	SAKTHIVEL.A	/	/	/	/	/
61.	19107061	SAKTHIVEL.K	/	/	/	/	/
62.	19107062	SANJAY.S	/	/	/	/	/
63.	19107063	SANTHOSHKUMAR.M	/	/	/	/	/
64.	19107064	SARAN.M	/	/	/	/	/
65.	19107065	SARAVANAN.N	/	AB	/	/	/
66.	19107066	SATHEESH.S	/	/	/	/	/
67.	19107067	SATHISHKUMAR.R	/	/	/	/	/
68.	19107068	SEENUVASAN.K	/	/	/	/	/
69.	19107069	SELVA PRABBU.N	/	/	/	/	/
70.	19107070	SHAM.K	/	/	/	/	/
71.	19107071	SIVA CHANDRU KANNAN.C	/	/	/	/	/
72.	19107072	SIVA GURU NATHAN.C	/	/	/	/	/
73.	19107073	SIVALINGAM.S	/	/	/	/	/
74.	19107074	SRIDHARPRASAD.R.K	/	/	/	/	/
75.	19107075	SUBA ANAND.G	/	/	/	/	/
76.	19107076	SUBASH.U	/	/	/	/	/
77.	19107077	SUJIN DHAS.R	/	/	/	/	/
78.	19107078	SUNIL.A	AB	AB	AB	AB	AB
79.	19107079	SUYAMPRAKASHAM.M	/	/	/	/	/
80.	19107080	THIRUSENTHILNATHAN.D	/	/	/	/	/
81.	19107081	VEL PRABHAKARAN.C	/	/	/	/	/
82.	19107082	VENKATESAN.K	/	/	/	/	/
83.	19107083	VENKATESH.S	/	/	/	/	/
84.	19107084	VENKATESHWARA.G	/	/	/	/	/
85.	19107085	VIGNESH.G	/	/	/	/	/
86.	19107086	VIGNESH.K	AB	AB	AB	AB	AB
87.	19107087	VIJAYPRIYAN.M	/	/	/	/	/
88.	19107088	VINOTH.N	/	/	/	/	/
89.	19107089	VISHNURAM.A	/	/	/	AB	/

COURSE IN CHARGES: 1. Dr.M.S.VIJAYANAND, AP/MECH, PEC

2. Mr. P.SELVAKUMAR, AP/MECH, PEC



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

LOKESHWARAN.P

of Paavai Engineering College, studying Second year has successfully completed the value added course
"20MEVC401-3D PRINTING". The duration of the course is 30 hours from 08.02.2021 to 12.02.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

ARUN.C

of Paavai Engineering College, studying Second year has successfully completed the value added course
"20MEVC401-3D PRINTING". The duration of the course is 30 hours from 08.02.2021 to 12.02.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

SHAM.K

of Paavai Engineering College, studying Second year has successfully completed the value added course
"20MEVC401-3D PRINTING". The duration of the course is 30 hours from 08.02.2021 to 12.02.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

HARENARAYANAN.V

of Paavai Engineering College, studying Second year has successfully completed the value added course
"20MEVC401-3D PRINTING". The duration of the course is 30 hours from 08.02.2021 to 12.02.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

VENKATESAN.K

of Paavai Engineering College, studying Second year has successfully completed the value added course
"20MEVC401-3D PRINTING". The duration of the course is 30 hours from 08.02.2021 to 12.02.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE

ON

20MEVC501-LASER MACHINING PROCESS

ABOUT THE COURSE:

In this course you will learn how to make use of laser cutting process for prototyping for manufacturing our products. What are materials we can and cannot use? What are the CAD considerations a designer must keep in his mind while making the CAD model? How to make use of joints to assemble product?

INTENDED AUDIENCE:

- II-, III- and IV-year students those who were interested in machining area.
- Students those interested to know the basic of Laser and its manufacturing process.

DURATION OF THE COURSE:

Period: 27.07.2020 to 31.07.2020

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

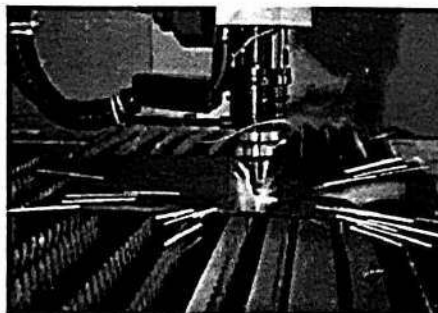
- select the best suitable laser for processing of different work piece materials.
- study the parametric influences during laser material processing.
- understand the theoretical model of laser material processing

COURSE IN CHARGES:

1. Dr.V.SUBBURAM, ASP/MECH, PEC
2. Mr. V.SENTHILKANNAN, AP/MECH, PEC

VENUE

GOOGLE MEET PLATFORM



Note: Interested students enroll their name to the course in charge on or before 23.07.2020.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 17.07.2020

CIRCULAR

It is planned to conduct the Five days value added course on "20MEVC501-LASER MACHINING PROCESS" for our students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their names to the course in charge ". Dr.M.S.VIJAYANAND, AP/MECH," on or before 23.07.2020.

COURSE IN CHARGES:

1. Dr.V.SUBBURAM, ASP/MECH, PEC
2. Mr. V.SENTHILKANNAN, AP/MECH, PEC

Head of the Department

Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board

COURSE OBJECTIVES

To enable the students to

- educate the students about the applications of lasers in materials processing.
- introduce the student about the criteria that is necessary for successful laser surface treatment.
- introduce the principles of the cutting, welding and drilling process.
- educate the student about the basic thermodynamics of materials processing.

1. LASER CUTTING FORMS OF LASER CUTTING

Fusion Cutting, Sublimation Cutting, Photochemical Ablation; Components of a Laser Cutting System, Processing Conditions: Beam Power, Beam Characteristics, Traverse Speed, Assist Gas Functions, Effect of Focal Position; Laser Cutting Principles: Beam Absorption, Process Modeling; Quality of Cut Part; Material Considerations; Advantages and Disadvantages; Comparison with Conventional Processes; Special Techniques.

2. LASER MARKING INTRODUCTION

Basic principles, Materials, Dot matrix marking, Engraving, Image micromachining, Comparison with other techniques, Lasers for Marking and application areas

3. LASER DRILLING FORMS OF LASER DRILLING

Process Parameters: Beam Characteristics, Drilling Characteristics, Process Defects, Analysis of Material Removal During Drilling, Advantages and Disadvantages of Laser Drilling; Applications

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- will learn about laser surface modification.
- will know different ways in which laser cutting may take place, different forms of laser drilling and the behavior of different materials after welding.
- know the implications of preprocessing and processing parameters while preparing the materials.

TEXT BOOKS

1. J.Wilson and J.Hawkes, "Optoelectronics", Pearson Education, 2018.
2. J.F.Ready, "Industrial Applications of Lasers", Academic Press, 2012.
3. J.F.Ready and D.F.Farson (Eds), "LIA Handbook of Laser Materials Processing", LIA, 2001.

REFERENCE

1. W.M.Steen and J.Mazumdar, "Laser Materials Processing", Springer, 2010.
2. Ian W. Boyd, "Laser Processing of Thin Films and Microstructures", Springer-Verlag, 2011.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year: 2020 -2021

ATTENDANCE SHEET

Year/Semester : III/V

Name of the course: 20MEVC501-LASER MACHINING PROCESS

Date: 27.07.2020

Sl.No	Register Number	Name of the student	27.07.20	28.07.20	29.07.20	30.07.20	31.07.20
1.	18107002	ABDULLAH K	/	/	/	/	/
2.	18107003	ABINESH R	/	/	/	/	/
3.	18107005	ARUN KUMAR D	/	/	/	/	/
4.	18107007	ASIK RAHMAN J	/	/	/	/	/
5.	18107008	DANUSH MAITHRAYA R	/	/	/	/	/
6.	18107009	DHANASIVA S	/	/	/	/	/
7.	18107010	DHARANIVENDHAN V	/	/	/	/	/
8.	18107011	DHARSHINI M	/	/	/	/	/
9.	18107012	DHARUMARAJ K	/	AB	/	/	/
10.	18107014	DINESH KUMAR V	/	/	/	/	/
11.	18107016	DINESH R	/	/	/	/	/
12.	18107017	ELANGO P	/	/	/	/	/
13.	18107018	FRANCIS B	/	/	/	/	/
14.	18107022	GOWTHAMAN K	/	/	/	/	/
15.	18107023	HARISH KUMAR K	/	/	/	/	/
16.	18107025	JAYAPRAKASH P	/	/	/	/	/
17.	18107026	JEEVANANTHAM R	/	/	/	/	/
18.	18107027	JOSHVIN C	/	/	/	/	/
19.	18107028	KARTHICK C	/	/	/	/	/
20.	18107029	KESAVEL D	/	/	/	/	/
21.	18107030	KISHORE M	/	/	/	/	/
22.	18107031	KOMBAIAHPANDIAN S	/	/	/	/	/
23.	18107032	LOGENDRAN R	/	/	/	/	/
24.	18107033	MAHESWARAN P	/	/	/	/	/
25.	18107034	MANIKANDAN M	/	/	/	/	/
26.	18107035	MANOJKUMAR S	/	/	/	/	/

Sl.No	Register Number	Name of the student	27.07.20	28.07.20	29.07.20	30.07.20	31.07.20
27.	18107037	MURUGESAN N	AB	AB	AB	AB	AB
28.	18107038	NAVANEETHAN J	/	/	/	/	/
29.	18107039	NIVAS S	/	/	/	/	/
30.	18107040	PRAKASH RAJ S	/	/	/	/	/
31.	18107041	PREM P	/	/	/	/	AB
32.	18107042	PREMKUMAR.M	/	/	/	/	/
33.	18107043	PUNITHKUMAR.M	/	/	/	/	/
34.	18107044	RAGHUL GANDHI.A	/	/	/	/	/
35.	18107045	RAGUPATHI RAJ.S	/	/	/	/	/
36.	18107047	RISHIKANTHA.R	/	/	/	/	/
37.	18107048	ROKITH.C	/	/	/	/	/
38.	18107049	SAMY DURAI.M	/	/	/	/	/
39.	18107050	SANJAI BALAJI.S	/	/	/	/	/
40.	18107051	SANJAY.E	/	/	/	/	/
41.	18107053	SANJEEV.R	/	/	/	/	/
42.	18107054	SASIKUMAR.S	/	/	/	/	/
43.	18107055	SASIKUMAR.T	/	/	/	/	/
44.	18107056	SATHEESH KUMAR.K	/	/	/	/	/
45.	18107057	SATHEESH.S	/	/	/	/	/
46.	18107058	SELVA AJAY.K	/	/	/	/	/
47.	18107059	SENBAGA PRIYAN.A	/	/	/	/	/
48.	18107060	SILAMBARASAN.P	/	/	/	/	/
49.	18107061	SIRANGEEVI.S	/	/	/	/	/
50.	18107062	SIVA.A	/	/	/	/	/
51.	18107063	SIVAKUMAR.E	/	/	/	/	/
52.	18107066	SUBASH.S	/	/	/	/	/
53.	18107067	SUNDAR.C	/	/	/	/	/
54.	18107068	SURENDAR.G	/	/	/	/	/
55.	18107069	THAMARAI SELVAN.S	/	/	/	/	/
56.	18107070	THANGARAJ. S	AB	AB	AB	AB	/
57.	18107071	THIRUMALAI.S	/	/	/	AB	AB
58.	18107072	VEERACHANDARU.K	/	/	/	/	/
59.	18107073	VENGATESH.S	/	/	/	/	/
60.	18107075	VIKRAM.J	/	/	/	/	/

SLNo	Register Number	Name of the student	27.07.20	28.07.20	29.07.20	30.07.20	31.07.20
61.	18107076	VINITHKUMAR.B	/	/	/	/	/
62.	18107077	VISHWESHMANISH.M.R.S	/	/	/	/	/
63.	18107078	YOGESHWARAN.M	/	/	/	/	/
64.	18107080	RAKUL.R	AB	AB	AB	AB	AB
65.	18107301	AJAY ARAVINDAN.A	/	/	/	/	/
66.	18107303	ANBARASU.R	/	/	/	/	/
67.	18107304	ARAVINDH.R	/	/	/	/	/
68.	18107305	ASHOK KUMAR.S	/	/	/	/	/
69.	18107306	BALAJI.S	/	/	/	/	/
70.	18107308	DEEPAK.R.A	/	/	/	/	/
71.	18107311	DINESH.M	/	/	/	/	/
72.	18107312	GOKUL.G	/	/	/	/	/
73.	18107314	HARI PRASANTH.K	/	/	/	AB	/
74.	18107315	JANARTHANAN.K	/	/	/	/	/
75.	18107316	JEEVA.B	/	/	/	/	/
76.	18107317	KARANKUMAR.S	/	/	/	/	/
77.	18107318	KARTHIKEYAN.T	/	/	/	/	/
78.	18107319	KAVIN.P	/	/	/	/	/
79.	18107320	MOHANA SANKAR.R	/	/	/	/	/
80.	18107321	MOHANRAJ.M	/	/	/	/	/
81.	18107322	MOHANRAJ.S	/	/	/	/	/
82.	18107323	NITHISHKUMAR.N	/	/	/	/	/
83.	18107324	PRABAKARAN.T	/	/	/	/	/
84.	18107325	PRATHISH.G.A	/	/	/	/	/
85.	18107326	PREMKUMAR.R	/	/	/	/	/
86.	18107327	PUGAZHENDIRAN.M	/	/	/	/	/
87.	18107328	RAJASELVAM.S	/	/	/	/	/
88.	18107329	SANTHOSHKUMAR.G	/	/	/	/	/
89.	18107330	SANTHOSHKUMAR.S	/	/	/	/	/
90.	18107331	SUKUMAR.R	/	/	/	/	/
91.	18107332	SUNDHARRAJAN.N.V	/	/	/	/	/
92.	18107333	SURENDHAR.K	/	/	/	/	/
93.	18107334	TAMILARASAN.K	/	/	/	/	/
94.	18107335	ULAGANATHAN.S	AB	AB	AB	AB	AB

Sl.No	Register Number	Name of the student	27.07.20	28.07.20	29.07.20	30.07.20	31.07.20
95.	18107336	VEERARASAN.N	/	/	/	/	/
96.	18107337	VENKATESHWARAN.D	/	/	/	/	/
97.	18107501	SIVAMANI.A	/	AB	/	/	/
98.	18107502	VENKATRAMAN.D	/	/	/	AB	/

COURSE IN CHARGES:

1. Dr.V.SUBBURAM, ASP/MECH, PEC
2. Mr. V.SENTHILKANNAN, AP/MECH, PEC

[Handwritten signature]



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

SURENDHAR.K

of Paavai Engineering College, studying Third year has successfully completed the value added course

“20MEVC501-LASER MACHINING PROCESS”. The duration of the course is 30 hours from

27.07.2020 to 31.07.2020

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous).

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

JAYAPRAKASH P

of Paavai Engineering College, studying Third year has successfully completed the value added course

"20MEVC501-LASER MACHINING PROCESS". The duration of the course is 30 hours from

27.07.2020 to 31.07.2020

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

ANBARASU.R

of Paavai Engineering College, studying Third year has successfully completed the value added course

"20MEVC501-LASER MACHINING PROCESS". The duration of the course is 30 hours from

27.07.2020 to 31.07.2020

A handwritten signature in black ink, appearing to be 'V. S. S.', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'D. R.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. R.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

PREMKUMAR.R

of Paavai Engineering College, studying Third year has successfully completed the value added course

“20MEVC501-LASER MACHINING PROCESS”. The duration of the course is 30 hours from

27.07.2020 to 31.07.2020

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

SATHEESH.S

of Paavai Engineering College, studying Third year has successfully completed the value added course

"20MEVC501-LASER MACHINING PROCESS". The duration of the course is 30 hours from

27.07.2020 to 31.07.2020

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE

ON

20MEVC601- ELECTRIC VEHICLE

ABOUT THE COURSE:

This course on electric vehicle technology will equip you with the necessary knowledge to start a career in electric vehicle design. With the rise in fuel prices and more electric vehicles on the road, electrical vehicle engineers' need is growing. The future of the automotive industry is in electric vehicles. So why wait! Start your path on this new and exciting field of electric vehicle technology today.

INTENDED AUDIENCE:

- II-, III- and IV-year students those who were interested in Design area.
- Students those interested to know the details of electric vehicle.

DURATION OF THE COURSE:

Period: 08.02.2021 to 13.02.21

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

1. explain the basics of electric and hybrid electric vehicles, their architecture, technologies and fundamentals.
2. analyse the use of different power electronics devices and electrical machines in hybrid electric vehicles
3. explain the use of different energy storage devices used for hybrid electric vehicles, their technologies and control and select appropriate technology



COURSE IN CHARGE:

1. Dr.S.MANIRAJ, AP/MECH, PEC
2. Mr. R.MOHANRAJ, AP/MECH, PEC
3. Mr.P.SELVAKUMAR, AP/MECH, PEC

VENUE

GOOGLE MEET PLATFORM

Note: Interested students enroll their name to the course in charge on or before 02.02.2021.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 27.01.2021

CIRCULAR

It is planned to conduct the Five days value added course on "20MEVC601- ELECTRIC VEHICLE" for our students 08.02.2021 to 13.02.2021. The interested students are asked to enroll their names to the course in charge "Dr.S.MANIRAJ, AP/MECH" on or before 02.02.2021.

COURSE IN CHARGE:

1. Dr.S.MANIRAJ, AP/MECH, PEC
2. Mr. R.MOHANRAJ, AP/MECH, PEC
3. Mr.P.SELVAKUMAR, AP/MECH, PEC


Head of the Department

Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board

COURSE OBJECTIVES

To enable the students to

- Explain the basics of electric and hybrid electric vehicles, their architecture, technologies and fundamental
- Explain plug – in hybrid electric vehicle architecture, design and component sizing and the power electronics devices used in hybrid electric vehicles.
- Analyze various electric drives suitable for hybrid electric vehicles

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 of HEVs.

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).

3. HEV Fundamentals

Introduction, Vehicle Model, Vehicle Performance, EV Powertrain Component Sizing, Series Hybrid Vehicle, Parallel Hybrid Vehicle, Wheel Slip Dynamics.

4. Plug-in Hybrid Electric Vehicles

Introduction to PHEVs, PHEV Architectures, Equivalent Electric Range of Blended PHEVs, Fuel Economy of PHEVs, 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.
- explain the use of different energy storage devices used for hybrid electric vehicles, their technologies and control and select appropriate technology

TEXT BOOKS

1. Iqbal Hussein, "Electric and Hybrid Vehicles: Design Fundamentals", CRC Press, 2nd Edition, 2003.

2. James Larminie, John Lowry, "Electric Vehicle Technology", Wiley publications, 1st Edition, 2003.

REFERENCES

1. B D McNicol, D A J Rand, "Power Sources for Electric Vehicles", Elsevier publications, 1st Edition, 1998.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year: 2020 -2021

ATTENDANCE SHEET

Year/Semester : III/ VI

Name of the course: 20MEVC601- ELECTRIC VEHICLE

Date: 08.02.2021

Sl.No	Register Number	Name of the student	08.02.21	09.02.21	10.02.21	11.02.21	12.02.21
1.	18107002	ABDULLAH K	/	/	/	/	/
2.	18107003	ABINESH R	/	/	/	/	/
3.	18107005	ARUN KUMAR D	/	/	/	/	/
4.	18107007	ASIK RAHMAN J	/	/	/	/	/
5.	18107008	DANUSH MAITHRAYA R	/	/	/	/	/
6.	18107009	DHANASIVA S	/	/	AB	/	/
7.	18107010	DHARANIVENDHAN V	/	/	/	/	/
8.	18107011	DHARSHINI M	/	/	/	/	/
9.	18107012	DHARUMARAJ K	/	/	/	/	/
10.	18107014	DINESH KUMAR V	/	/	/	/	/
11.	18107016	DINESH R	/	/	/	/	/
12.	18107017	ELANGO P	/	/	/	/	/
13.	18107018	FRANCIS B	/	/	/	/	/
14.	18107022	GOWTHAMAN K	/	/	/	/	/
15.	18107023	HARISH KUMAR K	/	/	/	/	/
16.	18107025	JAYAPRAKASH P	/	/	/	/	/
17.	18107026	JEEVANANTHAM R	/	/	/	/	/
18.	18107027	JOSHVIN C	/	/	/	/	/
19.	18107028	KARTHICK C	/	/	/	/	/
20.	18107029	KESAVEL D	/	/	/	/	/
21.	18107030	KISHORE M	AB	AB	AB	AB	AB
22.	18107031	KOMBALIAHPANDIAN S	/	/	/	/	/
23.	18107032	LOGENDRAN R	/	/	/	/	/
24.	18107033	MAHESWARAN P	/	/	/	/	/
25.	18107034	MANIKANDAN M	/	/	/	/	/
26.	18107035	MANOJKUMAR S	/	/	/	/	/

Sl.No	Register Number	Name of the student	08.02.21	09.02.21	10.02.21	11.02.21	12.02.21
27.	18107037	MURUGESAN N	/	/	/	/	/
28.	18107038	NAVANEETHAN J	/	/	/	/	/
29.	18107039	NIVAS S	/	/	/	/	/
30.	18107040	PRAKASH RAJ S	/	/	/	/	/
31.	18107041	PREM P	/	/	/	/	/
32.	18107042	PREMKUMAR.M	/	/	/	/	/
33.	18107043	PUNITHKUMAR.M	/	/	/	/	/
34.	18107044	RAGHUL GANDHI.A	/	/	/	/	/
35.	18107045	RAGUPATHI RAJ.S	/	/	/	/	/
36.	18107047	RISHIKANTHA.R	/	/	/	AB	/
37.	18107048	ROKITH.C	/	/	/	/	/
38.	18107049	SAMY DURAIM	/	/	/	/	/
39.	18107050	SANJAI BALAJI.S	/	/	/	/	/
40.	18107051	SANJAY.E	/	/	/	/	/
41.	18107053	SANJEEV.R	/	/	/	/	/
42.	18107054	SASIKUMAR.S	/	/	/	/	/
43.	18107055	SASIKUMAR.T	/	/	/	/	/
44.	18107056	SATHEESH KUMAR.K	/	/	/	/	/
45.	18107057	SATHEESH.S	/	/	/	/	/
46.	18107058	SELVA AJAY.K	AB	AB	AB	AB	AB
47.	18107059	SENBAGA PRIYAN.A	/	/	/	/	/
48.	18107060	SILAMBARASAN.P	/	/	/	/	/
49.	18107061	SIRANGEEVI.S	/	/	/	/	/
50.	18107062	SIVA.A	/	/	/	/	/
51.	18107063	SIVAKUMAR.E	/	/	/	/	/
52.	18107066	SUBASH.S	/	/	/	/	/
53.	18107067	SUNDAR.C	/	/	/	/	/
54.	18107068	SURENDAR.G	/	/	/	/	/
55.	18107069	THAMARAI SELVAN.S	/	/	/	/	/
56.	18107070	THANGARAJ. S	/	/	/	/	/
57.	18107071	THIRUMALAI.S	/	/	/	/	/
58.	18107072	VEERACHANDARU.K	/	/	/	/	/
59.	18107073	VENGATESH.S	/	/	/	/	/
60.	18107075	VIKRAM.J	/	/	/	/	/

Sl.No	Register Number	Name of the student	08.02.21	09.02.21	10.02.21	11.02.21	12.02.21
61.	18107076	VINITHKUMAR.B	/	/	/	/	/
62.	18107077	VISHWESHMANISIL.M.R.S	/	/	/	/	/
63.	18107078	YOGESHWARAN.M	/	/	/	/	/
64.	18107080	RAKUL.R	AB	/	/	/	/
65.	18107301	AJAY ARAVINDAN.A	/	/	/	/	/
66.	18107303	ANBARASU.R	/	/	/	/	/
67.	18107304	ARAVINDH.R	/	/	/	/	/
68.	18107305	ASHOK KUMAR.S	/	/	/	/	/
69.	18107306	BALAJI.S	/	/	/	/	/
70.	18107308	DEEPAK.R.A	/	/	/	/	/
71.	18107311	DINESH.M	/	/	/	/	/
72.	18107312	GOKUL.G	/	/	/	/	/
73.	18107314	HARI PRASANTH.K	/	/	/	/	/
74.	18107315	JANARTHANAN.K	/	/	/	/	/
75.	18107316	JEEVA.B	/	/	/	/	/
76.	18107317	KARANKUMAR.S	/	/	/	/	/
77.	18107318	KARTHIKEYAN.T	/	/	/	/	/
78.	18107319	KAVIN.P	/	/	/	/	/
79.	18107320	MOHANA SANKAR.R	/	/	/	/	/
80.	18107321	MOHANRAJ.M	/	/	/	/	/
81.	18107322	MOHANRAJ.S	/	/	/	/	/
82.	18107323	NITHISHKUMAR.N	/	/	/	/	/
83.	18107324	PRABAKARAN.T	/	/	AB	/	/
84.	18107325	PRATHISH.G.A	/	/	/	/	/
85.	18107326	PREMKUMAR.R	/	/	/	/	/
86.	18107327	PUGAZHENDIRAN.M	/	/	/	/	/
87.	18107328	RAJASELVAM.S	/	/	/	/	/
88.	18107329	SANTHOSHKUMAR.G	/	/	/	/	/
89.	18107330	SANTHOSHKUMAR.S	/	/	/	/	/
90.	18107331	SUKUMAR.R	/	/	/	/	/
91.	18107332	SUNDHARRAJAN.N.V	/	/	/	/	/
92.	18107333	SURENDHAR.K	/	/	/	/	/
93.	18107334	TAMILARASAN.K	/	/	/	/	/
94.	18107335	ULAGANATHAN.S	/	/	/	/	/

Sl.No	Register Number	Name of the student	08.02.21	09.02.21	10.02.21	11.02.21	12.02.21
95.	18107336	VEERARASAN.N	/	/	/	/	/
96.	18107337	VENKATESHWARAN.D	/	/	/	/	/
97.	18107501	SIVAMAN.I.A	/	/	/	/	/
98.	18107502	VENKATRAMAN.D	AB	AB	AB	AB	AB

COURSE IN CHARGE:

1. DR.S.MANIRAJ, AP/MECH, PEC
2. Mr. R.MOHANRAJ, AP/MECH, PEC
3. MR.P.SELVAKUMAR, AP/MECH, PEC



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

MANIKANDAN M

of Paavai Engineering College, studying Third year has successfully completed the value added course
"20MEVC601- ELECTRIC VEHICLE". The duration of the course is 30 hours from 08.02.2021 to

13.02.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

SAMY DURAI.M

of Paavai Engineering College, studying Third year has successfully completed the value added course
"20MEVC601- ELECTRIC VEHICLE". The duration of the course is 30 hours from 08.02.2021 to

13.02.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

ELANGO P

of Paavai Engineering College, studying Third year has successfully completed the value added course

"20MEVC601- ELECTRIC VEHICLE". The duration of the course is 30 hours from 08.02.2021 to

13.02.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

SURENDHAR.K

of Paavai Engineering College, studying Third year has successfully completed the value added course
"20MEVC601- ELECTRIC VEHICLE". The duration of the course is 30 hours from 08.02.2021 to

13.02.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

SASIKUMAR.T

of Paavai Engineering College, studying Third year has successfully completed the value added course
"20MEVC601- ELECTRIC VEHICLE". The duration of the course is 30 hours from 08.02.2021 to

13.02.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE

ON

20MEVC701-MOBILE ROBOTS

ABOUT THE COURSE:

The main emphasis is put on mobile robot locomotion and kinematics, environment perception, probabilistic map based localization and mapping, and motion planning. The lectures and exercises of this course introduce several types of robots such as wheeled robots, legged robots and drones.

INTENDED AUDIENCE:

- II-, III- and IV-year students those who were interested in Design area.
- Students those interested to know the basic of mobile robots and its operation..
- One who wants to know concept mobile robots.

DURATION OF THE COURSE:

Period: 27.07.2020 to 31.07.2020

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

1. Identify fundamental concepts of computational mobile robotics and human-robot interaction.
2. Explain about a variety of robotic platforms, their applications and uses.



COURSE IN CHARGE:

1. Mr. J.SUJITH KUMAR, AP/MECH, PEC
2. Mr. N.LOKESHWARAN, AP/MECH, PEC
3. Mr.G.SURESH KUMAR, AP/MECH, PEC

VENUE:

MICROSOFT TEAMS PLATFORM

Note: Interested students enroll their name to the course in charge on or before 23.07.2020.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 17.07.2020

CIRCULAR

It is planned to conduct the Five days value added course on "20MEVC701-MOBILE ROBOTS" for our students 27.07.2020 to 31.07.2020. The interested students are asked to enroll their names to the course in charge "Mr. J.SUJITH KUMAR, AP/MECH," on or before 23.07.2020.

COURSE IN CHARGE:

1. Mr. J.SUJITH KUMAR, AP/MECH, PEC
2. Mr. N.LOKESHWARAN, AP/MECH, PEC
3. Mr.G.SURESH KUMAR, AP/MECH, PEC

Head of the Department

Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board

20MEVC701

MOBILE ROBOTS

COURSE OBJECTIVES

To enable the students to

- Learn various algorithms for autonomous mobile robot system navigation
- Learn about algorithms for path planning and collision avoidance
- Learn about collaboration among multiple robots
- Learn about competition among multiple robots

1. INTRODUCTION

Overview of the Course

2. LOCOMOTION

Legged, Wheeled, Flying and Swimming Mobile

3. MOBILE ROBOT KINEMATICS

Kinematic Models and Constraints, Path and Trajectory Considerations, Motion Control (Open loop and Feedback Control)

4. PERCEPTION

Sensors, Uncertainty, Feature Extraction from range and visual data

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Program physical or simulated robots to navigate under various path planning algorithms
- Program physical or simulated robots to navigate under various collision avoidance algorithms.
- Program multiple physical or simulated robots to collaborate with each other.
- Program multiple physical or simulated robots to compete against each other.

TEXT BOOKS

1. Maja Mataric ,The Robotics Primer, 2007.

REFERENCES

1. Fred G. Martin, An Introduction to Engineering Through Design, 2001. (optional)



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year: 2020 -2021

ATTENDANCE SHEET

Year/Semester : IV/ VII

Name of the course: 20MEVC701-MOBILE ROBOTS

Date: 27.07.2020

Sl.No	Register Number	Name of the student	27.07.20	28.07.20	29.07.20	30.07.20	31.07.20
1.	17107001	AJAY.P	/	/	/	/	/
2.	17107002	AJAY KANNAN.A	/	/	/	/	/
3.	17107004	ANBUM	/	/	AB	/	/
4.	17107005	ARUN R	/	/	/	/	/
5.	17107006	ARUNKUMAR K	/	/	/	/	/
6.	17107009	ASWIN.M	/	/	/	/	/
7.	17107009	AYYANAR B	/	/	/	/	/
8.	17107010	BEER MOHAMED.M	/	/	/	/	/
9.	17107012	BHARATH P	/	/	/	/	/
10.	17107013	CIDDARTH S	/	/	/	/	/
11.	17107014	DEEPAN.S	/	/	/	/	/
12.	17107015	DHANANJAYAN.H	/	/	/	/	/
13.	17107016	DHANEESH DHARAN S	/	/	/	/	/
14.	17107017	DHILIP.M	/	/	/	/	/
15.	17107018	M.DHILIP	/	/	/	/	/
16.	17107019	DHINA.C	/	/	/	/	/
17.	17107020	DHIVAKAR.K	/	/	/	/	/
18.	17107021	ELUMALAI M	AB	AB	AB	AB	AB
19.	17107022	GANESHKUMAR S	/	/	/	/	/
20.	17107023	GIRIDHARAN.S	/	/	/	/	/
21.	17107024	GOKUL M	/	/	/	/	/
22.	17107026	GOKULDRAVID.S	/	/	/	/	/
23.	17107027	GOPINATH.S	/	/	/	/	/
24.	17107028	HARIHARA SHANKAR A C	/	/	/	/	/
25.	17107029	HARIHARAN.B	/	/	/	/	/
26.	17107030	HARIHARAN.B	/	/	/	/	/
27.	17107031	HARIKARAN.M	/	/	/	/	/

Sl.No	Register Number	Name of the student	27.07.20	28.07.20	29.07.20	30.07.20	31.07.20
28.	17107032	HARIPRASATH K	/	/	/	/	/
29.	17107033	HARISH P	/	/	/	/	/
30.	17107034	HEMANTH KUMAR R	/	/	/	/	/
31.	17107035	JEEVA.L.G	/	/	/	/	/
32.	17107037	KABILAN K	/	/	/	/	/
33.	17107039	KALAI SELVAN. S	/	/	/	/	/
34.	17107041	KARTHIKEYAN.A	/	/	/	/	/
35.	17107042	KARTHIKEYAN.J	/	/	/	/	/
36.	17107043	KARTHIKEYAN P	/	/	/	/	/
37.	17107044	KAVIARASU S	/	/	/	/	/
38.	17107046	KRISHNAKUMAR. G	/	/	/	/	/
39.	17107047	LOGANATHAN K	/	/	/	/	/
40.	17107049	MADHAVAN.S	/	/	/	/	/
41.	17107050	MADHAVARAJ R	/	/	/	/	/
42.	17107051	MAHESH C	/	/	/	/	/
43.	17107052	G.MANIKANDAN	/	/	/	/	/
44.	17107054	MANIKANDAN.R	/	/	/	/	/
45.	17107055	MANIVANNAN.V	/	/	/	/	/
46.	17107059	MOHAMED BASITH.M	/	/	/	/	/
47.	17107061	MOHAN RAJ R	/	/	/	/	/
48.	17107063	NANDHAKUMAR.S	/	/	/	/	/
49.	17107064	NAVEENKUMAR.MC	/	/	/	/	/
50.	17107065	NAVEEN KUMAR R	/	/	/	/	/
51.	17107066	NAVEEN.R	/	/	/	/	/
52.	17107067	NAVEEN S	/	/	/	/	/
53.	17107070	NIDHESH KUMAR J B	/	/	/	/	/
54.	17107072	OMPRAKASH.K	/	/	/	/	/
55.	17107073	OMSAKTHIE	/	/	/	/	/
56.	17107074	PARTHASARATHY.M	/	/	/	/	/
57.	17107075	PARTHIBAN.P	/	/	/	/	/
58.	17107148	BALAJI R S	/	/	/	/	/
59.	17107071	NISHA NANDHINI.A	/	/	/	/	/
60.	17107077	PONKUMAR.M	/	/	/	/	/
61.	17107079	PRADEEP.R	AB	AB	AB	AB	AB

Sl.No	Register Number	Name of the student	27.07.20	28.07.20	29.07.20	30.07.20	31.07.20
62.	17107080	PRAKASH.G	/	/	/	/	/
63.	17107081	PRAKASH.R	/	/	/	/	/
64.	17107084	PRAVEEN.G	/	/	/	/	/
65.	17107085	PRAVINKUMAR.K	/	/	/	/	/
66.	17107086	PREMKUMAR.A	AB	/	/	/	/
67.	17107087	PRETHIYAN.P	/	/	/	/	/
68.	17107088	PRITHVI RAJ .R	/	/	/	/	/
69.	17107089	RAGUNATH.R	/	/	/	/	/
70.	17107090	RAHUL KRISHNAN.R	/	/	/	/	/
71.	17107091	RAHUL.M	/	/	/	/	/
72.	17107097	RANJITHMOHAN.R	/	/	/	/	/
73.	17107098	REEGAN.R	/	/	/	/	/
74.	17107100	SABARI RAJA.S	/	/	/	/	/
75.	17107101	SAJITH.I	/	/	/	/	/
76.	17107102	SAKTHI PRIYAN.S	/	/	/	/	/
77.	17107103	SAKTHIVEL.K	/	/	/	/	/
78.	17107105	SAMRAJ HARIHARAN.A	/	/	/	/	/
79.	17107106	SANDHIYA.D	/	/	/	/	/
80.	17107108	SANKAR.S	/	/	/	/	/
81.	17107109	SANKARANARAYANAN.K	/	/	/	/	/
82.	17107112	SANTHOSH.M	/	/	/	/	/
83.	17107113	SANTHOSH.P	/	/	/	/	/
84.	17107114	SARAN.S	/	/	/	/	/
85.	17107116	SELVAM.R	/	/	/	/	/
86.	17107118	SENTHILRAJA.M	/	/	/	/	/
87.	17107119	SHANKAR MAHA DEVAN.E	/	/	/	/	/
88.	17107120	SHEIK ABDULLAH.H	/	/	/	/	/
89.	17107121	SHEIK MOHAMED.P	/	/	/	/	/
90.	17107122	T.K.SIBI	/	AB	/	/	/
91.	17107124	SONIT JACOB.J	/	/	/	/	/
92.	17107125	SUBASH.B	/	/	/	/	/
93.	17107126	SUMAN RAJA.P	/	/	/	/	/
94.	17107128	SURESH KUMAR.M	/	/	/	/	/

Sl.No	Register Number	Name of the student	27.07.20	28.07.20	29.07.20	30.07.20	31.07.20
95.	17107129	SURESH KUMAR.S.S	/	/	/	/	/
96.	17107130	SUTHESII.S	/	/	/	/	AB
97.	17107131	TAMIL SELVAN.S	/	/	/	/	/
98.	17107132	TAMILSELVAN.S	/	/	/	/	/
99.	17107133	THINAGARAN.E	/	/	/	/	/
100.	17107134	THIRUMOORTHIN	/	/	/	/	/
101.	17107135	VALLARASU.R	/	/	/	/	/
102.	17107136	VENGATESH.R	/	/	/	/	/
103.	17107138	VIGNESH.J	/	/	/	/	/
104.	17107139	VIGNESH.K	/	/	/	/	/
105.	17107140	VIGNESH.N	/	/	/	/	/
106.	17107141	VIGNESH.S	/	/	/	/	/
107.	17107142	VIJAY.J	/	/	/	/	/
108.	17107143	VIJAYARAGAVAN.M	/	/	/	/	/
109.	17107144	VINAYAGA MOORTHY.S	/	/	/	/	/
110.	17107145	VINITH KUMAR .R	/	/	/	/	/
111.	17107146	VISHESH	/	/	/	/	/
112.	17107147	YOGESHWARAN.K	/	/	/	/	/
113.	17107301	AAKASH	/	/	/	/	/
114.	17107302	GOWTHAM C	/	/	/	/	/
115.	17107304	PRAVEEN KUMAR.S	/	/	/	/	/
116.	17107306	VASANTHAKUMAR P	/	/	/	/	/
117.	17107505	SIDDARTH.N	/	/	/	/	/
118.	17107003	AMIRTHAVARSHINIM	/	/	/	/	/
119.	17107303	KARTHICK.K	/	/	/	/	/
120.	17107307	YOGESHWARAN.R	/	/	/	/	/
121.	17107308	SHYAMSUNDAR.S	/	/	/	/	/
122.	17107501	MOHANA KRISHNA.S	AB	AB	AB	/	/
123.	17107506	VELAN.B	/	/	/	AB	AB
124.	20304001	SATHISHKUMAR.N	/	/	/	/	/

COURSE IN CHARGE:

1. Mr. J.SUJITH KUMAR, AP/MECH, PEC
2. Mr. N.LOKESHWARAN, AP/MECH, PEC
3. Mr.G.SURESH KUMAR, AP/MECH, PEC



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

KALAI SELVAN. S

of Paavai Engineering College, studying Final year has successfully completed the value added course
"20MEVC701-MOBILE ROBOTS". The duration of the course is 30 hours from 27.07.2020 to

31.07.2020.

Course Incharge

HOD

Principal



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This is to certify that

KARTHIKEYAN P

of Paavai Engineering College, studying Final year has successfully completed the value added course

"20MEVC701-MOBILE ROBOTS". The duration of the course is 30 hours from 27.07.2020 to

31.07.2020.

Course Incharge

HOD

Principal



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Department of Mechanical Engineering

CERTIFICATE

This is to certify that

BEER MOHAMED.M

of Paavai Engineering College, studying Final year has successfully completed the value added course
"20MEVC701-MOBILE ROBOTS". The duration of the course is 30 hours from 27.07.2020 to

31.07.2020.

Course Incharge

HOD

Principal



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Department of Mechanical Engineering

CERTIFICATE

This is to certify that

GOKUL M

of Paavai Engineering College, studying Final year has successfully completed the value added course

"20MEVC701-MOBILE ROBOTS". The duration of the course is 30 hours from 27.07.2020 to

31.07.2020.

Course Incharge

HOD

Principal



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Department of Mechanical Engineering

CERTIFICATE

This is to certify that

AAKASH

of Paavai Engineering College, studying Final year has successfully completed the value added course
"20MEVC701-MOBILE ROBOTS". The duration of the course is 30 hours from 27.07.2020 to

31.07.2020.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE

ON

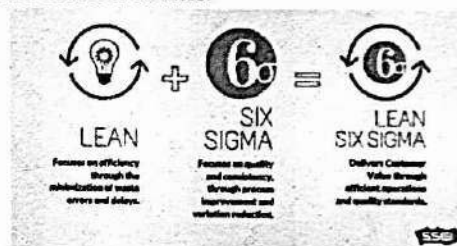
20MEVC801-LEAN SIX SIGMA

ABOUT THE COURSE:

This course covers the application of lean principles to manufacturing, service and government processes in order to improve productivity, increase value and eliminate waste as well as the use of the Six Sigma problem solving methodology to reduce variation and improve quality. Students will gain experience with the tools and analysis methods used in both approaches. The topics covered include: methods for creating Lean processes, proven lean problem-solving methodologies, managing a lean transformation, implementing a Six Sigma initiative, and executing the five phases of the Six Sigma DMAIC process, and communicating results to stakeholders and decision-makers.

INTENDED AUDIENCE:

- II-, III- and IV-year students those who were interested in Design area.
- Students those interested to know the basic of Tool and die making concepts.



DURATION OF THE COURSE:

Period: 01.02.2021 to 05.02.2021

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

1. discuss the differences and similarities between Lean and Six Sigma, how they complement one another and how they can be used together for greater benefit.
2. explain the project selection process and set goals for a Six Sigma or LSS project.
3. explain the goals of each phase of the Six Sigma DMAIC process and create a plan for managing and executing a Six Sigma improvement project.

COURSE IN CHARGE:

1. Dr.S.T.KUMARAVEL, AP/MECH, PEC
2. Mr. T.SATHIYES, AP/MECH, PEC
3. Mr.N.MANIKANDAN, AP/MECH, PEC

VENUE

MICROSOFT TEAMS PLATFORM

Note: Interested students enroll their name to the course in charge on or before 25.01.2021



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 20.01.2021

CIRCULAR

It is planned to conduct the Five days value added course on “20MEVC801- LEAN SIX SIGMA” for our students 01.02.2021 to 05.02.2021. The interested students are asked to enroll their names to the course in charge “Dr.S.T.KUMARAVEL, AP/MECH,” on or before 25.01.2021.

COURSE IN CHARGE:

1. Dr.S.T.KUMARAVEL, AP/MECH, PEC
2. Mr. T.SATHEES, AP/MECH, PEC
3. Mr.N.MANIKANDAN, AP/MECH, PEC

Head of the Department

Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board

COURSE OBJECTIVES

To enable the students to

- understand the Lean and Six Sigma approaches to quality and productivity improvement
- apply skills need to contribute to the success of a Lean, Six Sigma or LSS initiative
- translate customer feedback and enterprise goals into opportunities for improvement

1. Overview

Overview of Lean Six Sigma, Leadership for Process Improvement Process
Improvement Teams

2. Defining Opportunities

Cost of Quality, Selecting Winning Six Sigma Projects DMAIC Define Phase,

3. Measuring Process Performance

DMAIC Measure Phase

4. Improving the Process

DMAIC, Improve Phase , JIT, Kanban Systems, Jidoka, Poka-Yoke, 5S, and TPM

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Discuss the differences and similarities between Lean and Six Sigma, how they complement one another and how they can be used together for greater benefit.
- explain the project selection process and set goals for a Six Sigma or LSS project
- Explain the goals of each phase of the Six Sigma DMAIC process and create a plan for managing and executing a Six Sigma improvement project.

TEXT BOOKS

1. The Six Sigma Way, P. Pande, R. Neuman, R. Cavanagh; McGraw Hill Publishers; 2000, ISBN07- 135806-4 The Lean Enterprise Memory Jogger (GOAL QPC) ISBN10:1-57681-045-3
2. Lean Six Sigma" by Donna Summers, ISBN-10: 0135125103 "The Goal: A Process of Ongoing Improvement" by Eliyahu M. Goldratt (Author), Jeff Cox (Author) ISBN-10: 9780884271956

REFERENCES

1. Sustaining Workforce Engagement" by Lonnie Wilson, ISBN-10: 1138316032.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year: 2020 -2021

ATTENDANCE SHEET

Year/Semester : IV/ VIII

Name of the course: 20MEVC801-LEAN SIX SIGMA

Date: 01.02.2021

Sl.No	Register Number	Name of the student	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21
1.	17107001	AJAY.P	/	/	/	/	/
2.	17107002	AJAY KANNAN.A	/	/	/	/	/
3.	17107004	ANBU M	AB	AB	AB	AB	AB
4.	17107005	ARUN R	/	/	/	/	/
5.	17107006	ARUNKUMAR K	/	/	/	/	/
6.	17107009	ASWIN.M	/	/	/	/	/
7.	17107009	AYYANAR B	/	/	/	/	/
8.	17107010	BEER MOHAMED.M	/	/	/	/	/
9.	17107012	BHARATH P	/	/	/	/	/
10.	17107013	CIDDARTH S	/	/	/	/	/
11.	17107014	DEEPAN.S	/	/	/	/	/
12.	17107015	DHANANJAYAN.H	/	/	/	/	/
13.	17107016	DHANEESH DHARAN S	/	/	/	/	/
14.	17107017	DHILIP.M	/	/	/	AB	/
15.	17107018	M.DHILIP	/	/	/	/	/
16.	17107019	DHINA.C	/	/	/	/	/
17.	17107020	DHIVAKAR.K	/	/	/	/	/
18.	17107021	ELUMALAI M	/	/	/	/	/
19.	17107022	GANESHKUMAR S	/	/	/	/	/
20.	17107023	GIRIDHARAN.S	/	/	/	/	/
21.	17107024	GOKUL M	/	AB	/	/	/
22.	17107026	GOKULDRAVID.S	/	/	/	/	/
23.	17107027	GOPINATH.S	/	/	/	/	/
24.	17107028	HARIHARA SHANKAR A C	/	/	/	/	/
25.	17107029	HARIHARAN.B	/	/	/	/	/
26.	17107030	HARIHARAN.B	/	/	/	/	/

Sl.No	Register Number	Name of the student	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21
27.	17107031	HARIKARAN.M	/	/	/	/	/
28.	17107032	HARIPRASATH K	/	/	/	/	/
29.	17107033	HARISH P	/	/	/	/	/
30.	17107034	HEMANTH KUMAR R	/	/	/	/	/
31.	17107035	JEEVA.L.G	/	/	/	/	/
32.	17107037	KABILAN K	/	/	/	/	/
33.	17107039	KALAI SELVAN. S	/	/	/	/	/
34.	17107041	KARTHIKEYAN.A	/	/	/	/	/
35.	17107042	KARTHIKEYAN.J	/	/	/	/	/
36.	17107043	KARTHIKEYAN P	/	/	/	/	/
37.	17107044	KAVIARASU S	/	/	/	/	/
38.	17107046	KRISHNAKUMAR. G	/	/	/	/	/
39.	17107047	LOGANATHAN K	/	/	/	/	/
40.	17107049	MADHAVAN.S	/	/	/	/	/
41.	17107050	MADHAVARAJ R	/	/	/	/	/
42.	17107051	MAHESH C	/	/	/	/	/
43.	17107052	G.MANIKANDAN	/	/	/	/	/
44.	17107054	MANIKANDAN.R	/	/	/	/	/
45.	17107055	MANIVANNAN.V	AB	AB	AB	AB	AB
46.	17107059	MOHAMED BASITH.M	/	/	/	/	/
47.	17107061	MOHAN RAJ R	/	/	/	/	/
48.	17107063	NANDHAKUMAR.S	/	/	/	/	/
49.	17107064	NAVEENKUMAR.MC	/	/	/	/	/
50.	17107065	NAVEEN KUMAR R	/	/	/	/	/
51.	17107066	NAVEEN.R	/	/	/	/	/
52.	17107067	NAVEEN S	/	/	/	/	/
53.	17107070	NIDHESH KUMAR J B	/	/	/	/	/
54.	17107072	OMPRAKASH.K	/	/	/	/	/
55.	17107073	OMSAKTHIE	/	/	/	/	/
56.	17107074	PARTHASARATHY.M	/	/	/	/	/
57.	17107075	PARTHIBAN.P	/	/	/	/	/
58.	17107148	BALAJI R S	/	/	/	AB	/
59.	17107071	NISHA NANDHINI.A	/	/	/	/	/
60.	17107077	PONKUMAR.M	/	/	/	/	/

Sl.No	Register Number	Name of the student	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21
61.	17107079	PRADEEP.R	AB	AB	AB	AB	AB
62.	17107080	PRAKASH.G	/	/	/	/	/
63.	17107081	PRAKASH.R	/	/	/	/	/
64.	17107084	PRAVEEN.G	/	/	/	/	/
65.	17107085	PRAVINKUMAR.K	/	/	/	/	/
66.	17107086	PREMKUMAR.A	/	/	/	/	/
67.	17107087	PRETHIYAN.P	/	/	/	/	/
68.	17107088	PRITHVI RAJ .R	/	/	/	/	/
69.	17107089	RAGUNATH.R	/	/	/	/	/
70.	17107090	RAHUL KRISHNAN.R	/	/	/	/	/
71.	17107091	RAHUL.M	/	/	/	/	/
72.	17107097	RANJITHMOHAN.R	/	/	/	/	/
73.	17107098	REEGAN.R	/	/	/	/	/
74.	17107100	SABARI RAJA.S	AB	/	/	/	/
75.	17107101	SAJITH.I	/	/	/	/	/
76.	17107102	SAKTHI PRIYAN.S	/	/	/	/	/
77.	17107103	SAKTHIVEL.K	/	/	/	/	/
78.	17107105	SAMRAJ HARIHARAN.A	/	/	/	/	/
79.	17107106	SANDHIYA.D	/	/	/	/	/
80.	17107108	SANKAR.S	/	/	/	/	/
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85.	17107116	SELVAM.R	/	/	/	/	/
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87.	17107119	SHANKAR MAHA DEVAN.E	/	/	/	/	/
88.	17107120	SHEIK ABDULLAH.H	/	/	/	/	/
89.	17107121	SHEIK MOHAMED.P	/	/	/	/	/
90.	17107122	T.K.SIBI	/	/	/	/	AB
91.	17107124	SONIT JACOB.J	/	/	/	/	/
92.	17107125	SUBASH.B	/	/	/	/	/
93.	17107126	SUMAN RAJA.P	/	/	/	/	/

Sl.No	Register Number	Name of the student	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21
94.	17107128	SURESH KUMAR.M	/	/	/	/	/
95.	17107129	SURESH KUMAR.S.S	/	/	/	/	/
96.	17107130	SUTHESHI.S	/	/	/	/	/
97.	17107131	TAMIL SELVAN.S	/	/	/	/	/
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111.	17107146	VISHESH	/	/	/	/	/
112.	17107147	YOGESHWARAN.K	/	/	/	/	/
113.	17107301	AAKASH	/	/	/	/	/
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119.	17107303	KARTHICK.K	/	/	/	/	/
120.	17107307	YOGESHWARAN.R	/	/	/	/	/
121.	17107308	SHYAMSUNDAR.S	/	/	/	/	/
122.	17107501	MOHANA KRISHNA.S	/	/	/	/	/
123.	17107506	VELAN.B	AB	AB	AB	AB	AB
124.	20304001	SATHISHKUMAR.N	/	/	/	/	/

COURSE IN CHARGE:

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2. Mr. T.SATHEES, AP/MECH, PEC 3. MR.N.MANIKANDAN, AP/MECH, PEC



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Department of Mechanical Engineering

CERTIFICATE

This is to certify that

VISHESH

of Paavai Engineering College, studying Final year has successfully completed the value added course

"20MEVC801-LEAN SIX SIGMA". The duration of the course is 30 hours from 01.02.2021 to

05.02.2021.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

PRAVEEN.G

of Paavai Engineering College, studying Final year has successfully completed the value added course

"20MEVC801-LEAN SIX SIGMA". The duration of the course is 30 hours from 01.02.2021 to

05.02.2021.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

DHANANJAYAN.H

of Paavai Engineering College, studying Final year has successfully completed the value added course

"20MEVC801-LEAN SIX SIGMA". The duration of the course is 30 hours from 01.02.2021 to

05.02.2021.

A handwritten signature in black ink, appearing to be 'S. Anand', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'D. R.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. R.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

OMPRAKASH.K

of Paavai Engineering College, studying Final year has successfully completed the value added course

"20MEVC801-LEAN SIX SIGMA". The duration of the course is 30 hours from 01.02.2021 to

05.02.2021.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

GOWTHAM C

of Paavai Engineering College, studying Final year has successfully completed the value added course

"20MEVC801-LEAN SIX SIGMA". The duration of the course is 30 hours from 01.02.2021 to

05.02.2021.

A handwritten signature in black ink, appearing to be 'S. S. S.', written over a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to be 'D. R.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. R.', written over a horizontal line.

Principal

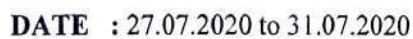
**DEPARTMENT OF MECHATRONICS
ENGINEERING**



VALUE ADDED COURSE

COURSE CONTENT:

- ✓ FUNDAMENTALS
- ✓ CAMERA COMPUTER INTERFACE
- ✓ FEATURE EXTRACTION
- ✓ APPLICATIONS



COURSE IN-CHARGE

C. SUMITHRA, AP/MCT

M. VETRISSELVAN, AP/MCT



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF MECHATRONICS**

DATE: 17.07.2020

CIRCULAR

It is planned to conduct Five Days Value Added Course on “20MTVC301 - IMAGE PROCESSING” for Third semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their names to the Course in-charges C. SUMITHRA, AP/MCT and M. VETRISSELVAN, AP/MCT on or before 23.07.2020.

Course in-charges: 1. C. SUMITHRA, AP/MCT

2. M. VETRISSELVAN, AP/MCT

HOD/MCT

Copy to:

Notice board

19MEVC301**SURFACE COATINGS****COURSE OBJECTIVES**

To enable the students to

- know the basics of coatings.
- know different materials used for coating.
- understand the concepts and application of surface coating.

1. Coating

Properties and applications of the given materials used in surface coating preparation, solvent containing systems and enamels.

2. Application of Coatings

Rod coating, Dip coating, Effects of given factors on bio-degradation. Premiered coatings occurring procedure of coatings and its application.

3. Coating methods

Roll coating, Reverse roll coating, gravure roll coating, Premiered coatings like extrusion coaters Slide or cascade coaters, curtain coaters, cast Coating

4. Adhesives

Interfacial contact, Surface tension wettability and spreading, Basic terminology-adhesive, adherent, substrate. Types of adhesives.

5. Composition of adhesives

Composition of adhesives-backbone polymer, solvent thinner, catalyst, hardener, extension-filler, plasticizers, prevention process, resin kettle.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Select coating method for a given product.
- Use relevant coating for particular application.
- Use surface treatments with the substrates for adhesion.

TEXT BOOKS

1 Paints and surface coatings: Theory and Practice. Lambourne, R. and Strivens, T. A.

REFERENCES

1. Hand book of adhesives Skiest, I Van Nostrand Reinhold Company, Washington

COURSE OBJECTIVES

To enable the students to

- understand the fundamental concepts of image processing.
- learn the concept of lighting system and various computer interfaces.
- know the case studies of image processing techniques.

UNIT 1 Fundamentals

Image sampling and quantization– Image enhancement: Gray Value Transformations, Radiometric Calibration, Image Smoothing– Geometric transformation– Image segmentation.

UNIT 2 Feature extraction

Region Features, Gray Value Features, Contour Features–Morphology– Edge extraction– Fitting and Template matching.

UNIT 3 Camera Computer Interface

Analog camera buses – Parallel digital camera buses– Standard PC buses – Computer buses – Driver software.

UNIT 4 Case Studies

Glue Check under UV Light– Completeness Check of automotive control component– Multiple Position and Completeness Check of small hybrid circuit– Pin Type Verification.

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

- interpret the fundamental concepts of image processing.
- analyse the image processing techniques through real time applications.

TEXT BOOKS

1. Jain Anil K., —Fundamentals of Digital Image ProcessingI, Pearson, 2015.

REFERENCES

1. Milan Sonka, —Image Processing Analysis and Machine VisionI, Vikas Publishing House, 2007.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF MECHATRONICS

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II / III

Name of the course : 20MTVC301 - IMAGE PROCESSING

S. No	Register Number	Student Name	27.7.2020	28.7.2020	29.7.2020	30.7.2020	31.7.2020
1	19108001	ABINESH.S	/	/	/	/	/
2	19108002	ALAGUPANDI. A	/	/	/	/	/
3	19108003	ANTONYRAJ.M	/	/	/	/	/
4	19108005	ARJUN.O	/	/	/	/	/
5	19108006	ASHWIN.E.A	/	/	/	/	/
6	19108007	ASWIN SANTHOSH	/	/	/	/	/
7	19108008	BATHINA RAKESH	/	/	/	/	/
8	19108009	BHUVANSHANKAR.H	/	/	/	/	/
9	19108010	CHANDRUSTAR.M	/	/	/	/	/
10	19108012	DHARANIVENTHAN.R	/	/	/	/	/
11	19108013	DHARUN.M	/	/	/	/	/
12	19108014	DINAKARAN.S.P	/	/	/	/	/
13	19108015	ELAIYAGURU.M	/	/	/	/	/
14	19108016	EMBEATY ABHINAV	/	/	/	/	/
15	19108017	GOKUL.R	/	/	/	/	/
16	19108018	GOKUL.V	/	/	/	/	/
17	19108020	HARIKARAN.P	/	/	/	/	/
18	19108021	HARISH.B	/	/	/	/	/

19	19108022	HARISH.M	/	/	/	/	/
20	19108023	JAYASURYA.A	/	/	/	/	/
21	19108024	KUMARAGURU.M	/	/	/	/	/
22	19108025	LOGANATHAN.K	/	/	/	/	/
23	19108026	LOGESH.S	/	/	/	/	/
24	19108027	MAHESH KUMAR.K	/	/	/	/	/
25	19108028	MANIKANDAN.J	/	/	/	/	/
26	19108030	MANOJKUMAR.R	/	/	/	/	/
27	19108031	MOHAMED AKRAM UMAR.M.B	/	/	/	/	/
28	19108032	MOHANATHAN.K	/	/	/	/	/
29	19108033	MUKESH.M	A	A	A	A	A
30	19108034	NAGA SIVA SANGARAPANDIAN.L	/	/	/	/	/
31	19108035	NAGAPANDIAN.G.C	/	/	/	/	/
32	19108036	NARAYANAN.V	/	/	/	/	/
33	19108037	PRAVEEN.P	/	/	/	/	/
34	19108038	PRAVEEN KUMAR.V	/	/	/	/	/
35	19108039	PRAVIN.P	/	/	/	/	/
36	19108040	RAGUL.R	/	/	/	/	/
37	19108041	RITHICKROSHAN.R	A	A	A	A	A
38	19108042	SANJAI.G	/	/	/	/	/
39	19108043	SANTHOSH.S.T	/	/	/	/	/
40	19108044	SUBANESAN.R	/	/	/	/	/
41	19108045	SUBRAMAN.L.R	/	/	/	/	/
42	19108046	THIRUKUMAR.S	/	/	/	/	/
43	19108047	VENGADESH.G	/	/	/	/	/

44	19108048	VIGNESIL.K	/	/	/	/	/
45	19108049	VIJAYASARATHI.E	/	/	/	/	/
46	19108050	VIKNESWARAN.M	/	/	/	/	/
47	19108051	VINOTH KUMAR S	/	/	/	/	/
48	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

ANTONYRAJ.M

of Paavai Engineering College, studying in Second year has successfully completed the Value Added

Course "**20MTVC301 - IMAGE PROCESSING**". The duration of the course is 30 hours

(27.07.2020 to 31.07.2020).

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

ALAGUPANDI. A

of Paavai Engineering College, studying in Second year has successfully completed the Value Added

Course "**20MTVC301 - IMAGE PROCESSING**". The duration of the course is 30 hours

(27.07.2020 to 31.07.2020).

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

ARJUN.O

of Paavai Engineering College, studying in Second year has successfully completed the Value Added

Course "**20MTVC301 - IMAGE PROCESSING**". The duration of the course is 30 hours

(27.07.2020 to 31.07.2020).

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

ASHWIN.E.A

of Paavai Engineering College, studying in Second year has successfully completed the Value Added

Course "**20MTVC301 - IMAGE PROCESSING**". The duration of the course is 30 hours

(27.07.2020 to 31.07.2020).

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

ABINESH.S

of Paavai Engineering College, studying in Second year has successfully completed the Value Added

Course "**20MTVC301 - IMAGE PROCESSING**". The duration of the course is 30 hours

(27.07.2020 to 31.07.2020).

Course in-charge

HOD

Principal



PAAVAI ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)

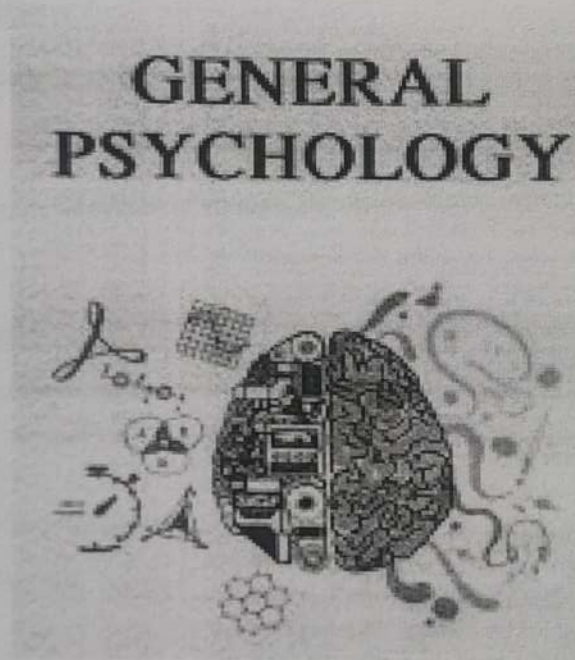
DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

20MTVC401 - GENERAL PSYCHOLOGY

COURSE CONTENT:

- ✓ MOTIVATION AND INTELLIGENCE
- ✓ SOCIAL PSYCHOLOGY
- ✓ GROUP DYNAMICS
- ✓ ATTITUDE



DATE : 08.02.2021 to 12.02.2021

VENUE: T328

COURSE IN-CHARGE

Dr. D.R.P. RAJARATHNAM, PROF/MCT

A. ANISH BABU, AP/MCT



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL

DEPARTMENT OF MECHATRONICS

DATE: 27.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "20MTVC401 - GENERAL PSYCOLOGY" for Fourth semester students from 08.02.2021 to 12.02.2021. The interested students are asked to enroll their names to the Course in-charges Dr. D.R.P. RAJARATHNAM, PROF/MCT and A. ANISH BABU, AP/MCT on or before 02.02.2021.

Course in-charges: 1. Dr. D.R.P. RAJARATHNAM, PROF/MCT

2. A. ANISH BABU, AP/MCT - Anish Babu


HOD/MCT

Copy to:

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COURSE OBJECTIVES

To enable the students to

- provide a basic understanding of psychology.
- defining psychology and the subject matter of psychology.
- provide an awareness of various methods and branches of psychology.

UNIT 1 Introduction

Psychology - Mind body relationship - Methods and Scope of Psychology.

UNIT 2 Motivation and Intelligence

Motivation - Types of Needs- Motivational Cycle. Concept of Intelligence and IQ- measurement.

UNIT 3 Social psychology

Introduction - individual behaviour and group behaviour.

UNIT 4 Group dynamics

Introduction - group formation- social influence-social cognition, stereotypes- prejudice.

UNIT 5 Attitude

Discrimination - Definitions, formation of attitude, factors of attitude formation-change of attitude.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- understand the basics of human behaviour in the workplace and society at large
- understand the different fields of psychology and its uses
- deal people effectively in their personal and social life

TEXT BOOKS

1. Mishra, B. K, Psychology: The study of human behavior, 2nd Ed New Delhi: Prentice Hall of India Learning Pvt. Ltd. 2016.

REFERENCES

1. Baron, R.A., Branscombe, N.R, Social Psychology, 14th Ed. New Delhi; Pearson Education. 2016

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NAMAKKAL

DEPARTMENT OF MECHATRONICS

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II / IV

Name of the course : 20MTVC401 - GENERAL PSYCOLOGY

S. No	Register Number	Student Name	8.2.2021	9.2.2021	10.2.2021	11.2.2021	12.2.2021
1	19108001	ABINESH.S	/	/	/	/	/
2	19108002	ALAGUPANDI. A	/	/	/	/	/
3	19108003	ANTONYRAJ.M	/	/	/	/	/
4	19108005	ARJUN.O	/	/	/	/	/
5	19108006	ASHWIN.E.A	/	/	/	/	/
6	19108007	ASWIN SANTHOSH	/	/	/	/	/
7	19108008	BATHINA RAKESH	/	/	/	/	/
8	19108009	BHUVANSHANKAR.H	/	/	/	/	/
9	19108010	CHANDRUSTAR.M	/	/	/	/	/
10	19108012	DHARANIVENTHAN.R	/	/	/	/	/
11	19108013	DHARUN.M	/	/	/	/	/
12	19108014	DINAKARAN.S.P	/	/	/	/	/
13	19108015	ELAIYAGURU.M	A	A	A	A	A
14	19108016	EMBEATY ABHINAV	/	/	/	/	/
15	19108017	GOKUL.R	/	/	/	/	/
16	19108018	GOKUL.V	/	/	/	/	/
17	19108020	HARIKARAN.P	/	/	/	/	/
18	19108021	HARISH.B	/	/	/	/	/
19	19108022	HARISH.M	/	/	/	/	/
20	19108023	JAYASURYA.A	A	A	A	A	A
21	19108024	KUMARAGURU.M	/	/	/	/	/
22	19108025	LOGANATHAN.K	/	/	/	/	/

23	19108026	LOGESH.S	/	/	/	/	/
24	19108027	MAHESH KUMAR.K	/	/	/	/	/
25	19108028	MANIKANDAN.J	/	/	/	/	/
26	19108030	MANOJKUMAR.R	/	/	/	/	/
27	19108031	MOHAMED AKRAM UMAR.M.B	/	/	/	/	/
28	19108032	MOHANATHAN.K	/	/	/	/	/
29	19108033	MUKESH.M	A	A	A	A	A
30	19108034	NAGA SIVA SANGARAPANDIAN.L	/	/	/	/	/
31	19108035	NAGAPANDIAN.G.C	/	/	/	/	/
32	19108036	NARAYANAN.V	/	/	/	/	/
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35	19108039	PRAVIN.P	/	/	/	/	/
36	19108040	RAGUL.R	/	/	/	/	/
37	19108041	RITHICKROSHAN.R	A	A	A	A	A
38	19108042	SANJAL.G	/	/	/	/	/
39	19108043	SANTHOSH.S.T	/	/	/	/	/
40	19108044	SUBANESAN.R	/	/	/	/	/
41	19108045	SUBRAMANI.R	/	/	/	/	/
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43	19108047	VENGADESH.G	/	/	/	/	/
44	19108048	VIGNESH.K	/	/	/	/	/
45	19108049	VIJAYASARATHI.E	/	/	/	/	/
46	19108050	VIKNESWARAN.M	/	/	/	/	/
47	19108051	VINOTH KUMAR S	/	/	/	/	/
48	19108052	YOKESHWARAN.R	/	/	/	/	/

Course in-charge

20/2/24
HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ALAGUPANDI. A

of Paavai Engineering College, studying in Second year has successfully completed the Value Added

Course "**20MTVC401 - GENERAL PSYCHOLOGY**". The duration of the course is 30 hours

(08.02.2021 to 12.02.2021).

A handwritten signature in black ink, appearing to be 'D. J. N.', written over a horizontal line.

Course in-charge

A handwritten signature in black ink, appearing to be 'D. J. N.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. N.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ABINESH.S

of Paavai Engineering College, studying in Second year has successfully completed the Value Added

Course "**20MTVC401 - GENERAL PSYCHOLOGY**". The duration of the course is 30 hours

(08.02.2021 to 12.02.2021).

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Course in-charge

A handwritten signature in black ink, appearing to be 'D. J. N.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. N.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ARJUN.O

of Paavai Engineering College, studying in Second year has successfully completed the Value Added

Course "**20MTVC401 - GENERAL PSYCOLOGY**". The duration of the course is 30 hours

(08.02.2021 to 12.02.2021).

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Course in-charge

A handwritten signature in black ink, appearing to be 'D. J. V.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. R.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ANTONYRAJ.M

of Paavai Engineering College, studying in Second year has successfully completed the Value Added

Course "**20MTVC401 - GENERAL PSYCHOLOGY**". The duration of the course is 30 hours

(08.02.2021 to 12.02.2021).

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

ASHWIN.E.A

of Paavai Engineering College, studying in Second year has successfully completed the Value Added

Course "**20MTVC401 - GENERAL PSYCHOLOGY**". The duration of the course is 30 hours

(08.02.2021 to 12.02.2021).

A handwritten signature in black ink, appearing to be 'D. J. N.', written over a horizontal line.

Course in-charge

A handwritten signature in black ink, appearing to be 'D. J. N.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)

DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

20MTVC501 - AUTOMATED GUIDED VEHICLE SYSTEM

COURSE CONTENT:

- ✓ MATERIAL HANDLING EQUIPMENT
- ✓ SYSTEM MANAGEMENT
- ✓ BATTERY CHARGING
- ✓ CONTROL AND NAVIGATION



DATE : 27.07.2020 to 31.07.2020

VENUE: T327

COURSE IN-CHARGE

S. MANIKANDAN, AP/MCT

K. JAGATHESWARAN, AP/MCT



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF MECHATRONICS**

DATE: 17.07.2020

CIRCULAR

It is planned to conduct Five Days Value Added Course on "20MTVC501 - AUTOMATED GUIDED VEHICLE SYSTEM" for Fifth semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their names to the Course in-charges S. MANIKANDAN, AP/MCT and K. JAGATHESWARAN, AP/MCT on or before 23.07.2020.

Course in-charges: 1. S. MANIKANDAN, AP/MCT - *S. Manikandan*

2. K. JAGATHESWARAN, AP/MCT - *K. Jagatheswaran*

S. Manikandan
17/7/2020
HOD/MCT

Copy to:

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COURSE OBJECTIVES

To enable the students to

- understand the concepts of material handling equipment.
- know the various types of AGVs.
- aware of battery charging options.

UNIT 1 Material Handling Equipment

Definition – Types – Industrial truck, Crane, Hoists, Conveyor, Monorails, Automated guided vehicle - Handling system selection.

UNIT 2 Types of transportation

Overhead – Below floor – Above floor – Storage interface.

UNIT 3 AGVs

Introduction – Components of AGV - Types - Towing – Unit load – Pallet – Fork truck – Light load – Assembly line.

UNIT 4 System management and Battery Charging

Locator panel, CRT colour graphics display, Central logging display. Battery swap – Automatic / opportunity charging - Automatic Battery swap.

UNIT 5 Control and Navigation

Steering control – Traffic control – Forward sensing control. Laser target navigation – Gyroscopic navigation – Natural feature navigation.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- prefer the suitable material handling equipment.
- select the suitable AGVs for specific applications.
- analyse the gyroscopic effects.

TEXT BOOKS

1. Deb S.R. and Deb Sanksha, "Robotics Technology and Flexible Automation", 2nd Edition, Tata McGraw Hill Education Pvt. Ltd., New Delhi, 2010.

REFERENCES

1. Jaganathan.P, "Robotics", Laxmi publications, 2015.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF MECHATRONICS

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III / V

Name of the course : 20MTVC501 - AUTOMATED GUIDED VEHICLE SYSTEM

S. No	Register Number	Student Name	27.7.2020	28.7.2020	29.7.2020	30.7.2020	31.7.2020
1	18108001	ARAVINDHAN.S	/	/	/	/	/
2	18108002	ARUL SELVAM P	/	/	/	/	/
3	18108003	ARUN M	/	/	/	/	/
4	18108004	AVINASH.H	/	/	/	/	/
5	18108005	AYYANAR.G	/	/	/	/	/
6	18108007	DILSHATH HUSSAIN.T	/	/	/	/	/
7	18108008	FAIJUL HAK	A	A	A	A	A
8	18108009	GUNASEELAN.M	/	/	/	/	/
9	18108010	HARICHANDAR.D	/	/	/	/	/
10	18108011	HARIPRASATH N	/	/	/	/	/
11	18108012	HARISH.V	/	/	/	/	/
12	18108013	JEEVA S	/	/	/	/	/
13	18108014	JEGAN.P	/	/	/	/	/
14	18108015	JENISH DE DAYTER. B	/	/	/	/	/
15	18108016	JOYSON CHRISTOPHER DIVINE	/	/	/	/	/
16	18108017	KARTHIK.T	/	/	/	/	/
17	18108018	KARTHIKEYAN.M	/	/	/	/	/
18	18108019	KISHORE KUMAR. N	A	A	A	A	A
19	18108020	MALARMOHANRAJ M	/	/	/	/	/

20	18108021	MANIKANDAN M	/	/	/	/	/
21	18108022	MANIKANDAN.S	/	/	/	/	/
22	18108023	MANOJ KUMAR G.V	A	A	A	A	A
23	18108024	NAVEEN. S	/	/	/	/	/
24	18108025	NITHISH KUMAR R	/	/	/	/	/
25	18108026	POOVARASU R	/	/	/	/	/
26	18108027	PRAKASH M	/	/	/	/	/
27	18108029	SANJAY.S	/	/	/	/	/
28	18108030	SIVAKUMAR S	/	/	/	/	/
29	18108031	TAMILKUMARAN.R	A	A	A	A	A
30	18108032	THARANI P	/	/	/	/	/
31	18108033	THINESH S.B.	/	/	/	/	/
32	18108034	THIRUVARUTSELVAN. V	/	/	/	/	/
33	18108035	UMAR MUKTHAR .M	/	/	/	/	/
34	18108036	VIJAY.S	/	/	/	/	/
35	18108037	VIKRAM.M	/	/	/	/	/
36	18108038	VITHURSAN.S	/	/	/	/	/
37	18108301	SATHISH.M	/	/	/	/	/
38	18108303	SRIRAM.R	A	A	A	A	A

A. Manikandan
Course in-charge

28/1/2020
HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

AVINASH.H

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

"20MTVC501 - AUTOMATED GUIDED VEHICLE SYSTEM". The duration of the course is

30 hours (27.7.2020 to 31.7.2020).

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

ARUN M

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course
“20MTVC501 - AUTOMATED GUIDED VEHICLE SYSTEM”. The duration of the course is

30 hours (27.7.2020 to 31.7.2020).

A handwritten signature in black ink, appearing to read 'G. Meenigandan', written over a horizontal line.

Course in-charge

A handwritten signature in black ink, appearing to be 'D. J. ...', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. ...', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ARAVINDHAN.S

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

"20MTVC501 - AUTOMATED GUIDED VEHICLE SYSTEM". The duration of the course is

30 hours (**27.7.2020 to 31.7.2020**).

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

ARUL SELVAM P

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

"20MTVC501 - AUTOMATED GUIDED VEHICLE SYSTEM". The duration of the course is

30 hours **(27.7.2020 to 31.7.2020)**.

A handwritten signature in black ink, appearing to read 'G. Meenikandan', written over a horizontal line.

Course in-charge

A handwritten signature in black ink, appearing to be 'D. J. ...', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. ...', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

AYYANAR.G

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

"20MTVC501 - AUTOMATED GUIDED VEHICLE SYSTEM". The duration of the course is

30 hours (**27.7.2020** to **31.7.2020**).

A handwritten signature in black ink, appearing to read 'G. Meenakandan', written over a horizontal line.

Course in-charge

A handwritten signature in black ink, appearing to be a stylized 'D' followed by a long horizontal stroke, written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be a stylized 'P' followed by a long horizontal stroke, written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)

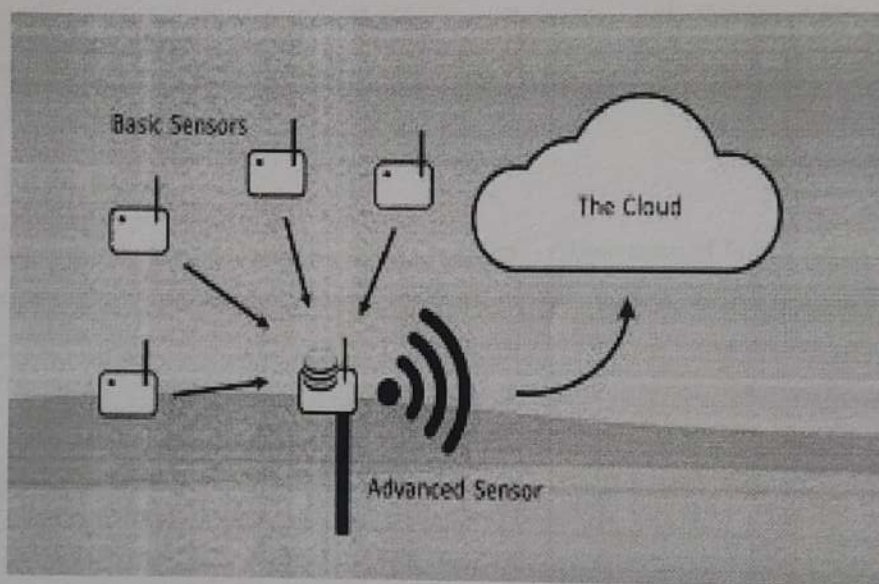
DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

20MTVC601 - ADVANCED SENSORS

COURSE CONTENT:

- ✓ CHEMICAL SENSORS
- ✓ BIOSENSORS
- ✓ OPTIC SENSORS
- ✓ FIBER OPTIC SENSORS



DATE : 08.02.2021 to 12.02.2021

VENUE: T327

COURSE IN CHARGE

C. VIBIN STALIN, AP/MCT

S. RAJASEKAR, AP/MCT



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**


NAMAKKAL

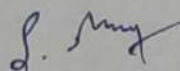
DEPARTMENT OF MECHATRONICS

DATE: 27.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "20MTVC601 - ADVANCED SENSORS" for Sixth semester students from 08.02.2021 to 12.02.2021. The interested students are asked to enroll their names to the Course in-charges C. VIBIN STALIN, AP/MCT and S. RAJASEKAR, AP/MCT on or before 02.02.2021.

Course in-charges: 1. C. VIBIN STALIN, AP/MCT - 

2. S. RAJASEKAR, AP/MCT - 


27/1/2021
HOD/MCT

Copy to:

Notice board

COURSE OBJECTIVES

To enable the students to

- understand the concepts of sensors and its characteristics.
- know the importance of chemical sensors.
- aware of optic sensor measurement system.

UNIT 1 Sensors

Introduction – Sensor Classification – Sensor Characteristics and Terminology – Physical Effects Employed for Signal Transduction.

UNIT 2 Transducer

Mathematical Model of Transducer – Zero, I and II order transducers – Choice of Sensor – New Sensor Materials and Technologies – Standards, Temperature Scales and Units and relations of physical quantities.

UNIT 3 Chemical Sensors

Molecular Recognition – Signal Transduction – Electrochemical Sensors: Amperometric and Voltammetric Sensors – Potentiometric Sensors – Evanescent wave Sensors – Multisensory Arrays – Biosensors – Humidity Sensors.

UNIT 4 Optic Sensors

Fundamentals of light – Electromagnetic Optics Spectrum – Propagation of light Lambert – Beer Law – Interactions of Light: Absorption, Scattering, Dispersion, Polarization, Diffraction and Interference – Optical Sources – Optical Detectors – Optical Components.

UNIT 5 Fiber Optic Sensors

Intensity Modulated Sensors – Diffraction Grating Sensors – Interferometric Sensors.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- interpret the basic concepts of sensors and its characteristics.
- demonstrate the advanced concepts of chemical sensors.
- analyse the characteristics of optic sensor measurement system.

TEXT BOOKS

1. Jacob Fraden, —Handbook of Modern Sensors, Springer, 2016.

REFERENCES

1. Jon S. Wilson, —Sensor Technology Handbook, Newnes, 2013.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF MECHATRONICS

Academic Year: 2020-2021

VALUE ADDED COURSE

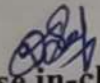
ATTENDANCE SHEET

Year/Semester : III / VI

Name of the course : 20MTVC601 - ADVANCED SENSORS

S. No	Register Number	Student Name	8.2.2021	9.2.2021	10.2.2021	11.2.2021	12.2.2021
1	18108001	ARAVINDHAN.S	/	/	/	/	/
2	18108002	ARUL SELVAM P	/	/	/	/	/
3	18108003	ARUN M	/	/	/	/	/
4	18108004	AVINASH.H	/	/	/	/	/
5	18108005	AYYANAR.G	/	/	/	/	/
6	18108007	DILSHATH HUSSAIN.T	/	/	/	/	/
7	18108008	FAIJUL HAK	/	/	/	/	/
8	18108009	GUNASEELAN.M	/	/	/	/	/
9	18108010	HARICHANDAR.D	/	/	/	/	/
10	18108011	HARIPRASATH N	/	/	/	/	/
11	18108012	HARISH.V	/	/	/	/	/
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13	18108014	JEGAN.P	/	/	/	/	/
14	18108015	JENISH DE DAYTER. B	/	/	/	/	/
15	18108016	JOYSON CHRISTOPHER DIVINE.P	/	/	/	/	/
16	18108017	KARTHIK.T	/	/	/	/	/
17	18108018	KARTHIKEYAN.M	/	/	/	/	/
18	18108019	KISHORE KUMAR. N	/	/	/	/	/
19	18108020	MALARMOHANRAJ M	A	A	A	A	A

20	18108021	MANIKANDAN M	/	/	/	/	/
21	18108022	MANIKANDAN.S	/	/	/	/	/
22	18108023	MANOJ KUMAR G.V	/	/	/	/	/
23	18108024	NAVEEN. S	/	/	/	/	/
24	18108025	NITHISH KUMAR R	/	/	/	/	/
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26	18108027	PRAKASH M	/	/	/	/	/
27	18108029	SANJAY.S	A	A	A	A	A
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31	18108033	THINESH S.B.	/	/	/	/	/
32	18108034	THIRUVARUTSELVAN.V	/	/	/	/	/
33	18108035	UMAR MUKTHAR .M	A	A	A	A	A
34	18108036	VIJAY.S	/	/	/	/	/
35	18108037	VIKRAM.M	/	/	/	/	/
36	18108038	VITHURSAN.S	/	/	/	/	/
37	18108301	SATHISH.M	/	/	/	/	/
38	18108303	SRIRAM.R	A	A	A	A	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

ARAVINDHAN.S

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

"20MTVC601 - ADVANCED SENSORS". The duration of the course is 30 hours

(8.2.2021 to 12.2.2021).

A handwritten signature in black ink, appearing to be 'S. Suresh', written over a horizontal line.

Course in-charge

A handwritten signature in black ink, appearing to be 'D. Jeyaraj', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. Suresh', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

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AVINASH.H

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

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(8.2.2021 to 12.2.2021).

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Course in-charge

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HOD

A handwritten signature in black ink, appearing to be 'P. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

AYYANAR.G

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

"20MTVC601 - ADVANCED SENSORS". The duration of the course is 30 hours

(8.2.2021 to 12.2.2021).

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

ARUN M

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

"20MTVC601 - ADVANCED SENSORS". The duration of the course is 30 hours

(8.2.2021 to 12.2.2021).

A handwritten signature in black ink, appearing to be 'S. Suresh', written over a horizontal line.

Course in-charge

A handwritten signature in black ink, appearing to be 'D. J. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ARUL SELVAM P

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

"20MTVC601 - ADVANCED SENSORS". The duration of the course is 30 hours

(8.2.2021 to 12.2.2021).

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Course in-charge

A handwritten signature in black ink, appearing to be 'D. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE
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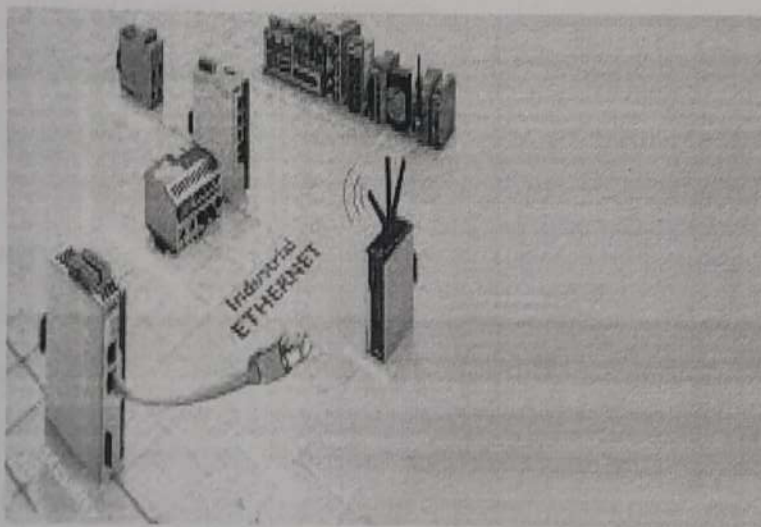
DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

20MTVC701 - NETWORKS IN INDUSTRIAL AUTOMATION

COURSE CONTENT:

- ✓ HARDWARE COMPONENTS OF AUTOMATED SYSTEM
- ✓ INDUSTRY NETWORK
- ✓ DATA NETWORK FUNDAMENTALS
- ✓ PROTOCOLS



DATE : 27.07.2020 to 31.07.2020

VENUE: T326

COURSE IN CHARGE

R. ARUNBABU, AP/MCT

S. DHINAKAR, AP/MCT



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF MECHATRONICS

DATE: 17.07.2020

CIRCULAR

It is planned to conduct Five Days Value Added Course on "20MTVC701 - NETWORKS IN INDUSTRIAL AUTOMATION" for Seventh semester students from 27.07.2020 to 31.07.2020. 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 23.07.2020.

Course in-charges: 1. R. ARUNBABU, AP/MCT - dg

2. S. DHINAKAR, AP/MCT - S. Dhinakar

S. Dhinakar
17/07/2020
HOD/MCT

Copy to:

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COURSE OBJECTIVES

To enable the students to

- understand the basic of a manufacturing industry and explain how automation and control technologies relate to control system.
- know the various components of automation.
- understand the fundamentals of data network.

UNIT 1 Introduction to Automation

Introduction - automation principles and strategies - levels of automation - advanced automation functions - reasons for automation.

UNIT 2 Hardware Components for Automation

Transducers - capacitive transducer - piezo electric transducer - hall effect transducer - thermo electric transducer - photo electric transducer.

UNIT 3 Introduction to Networks in Industrial Automation

Information flow requirements – Hierarchical communication model – Data Communication basics – OSI reference model – Industry Network – Recent networks.

UNIT 4 Data Network Fundamentals

EIA 232 interface standard – EIA 485 interface standard – EIA 422 interface standard – Serial interface converters.

UNIT 5 Protocols

Data link control protocol – Media access protocol: Command/response – Token passing and CSMA/CD – TCP/IP – Bridges – Routers – Gateways – Standard ETHERNET Configuration.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- describe working of various blocks of basic industrial automation system
- demonstrate the basic network requirements for Industrial automation.
- infer the data network fundamentals.

TEXT BOOKS

1. Bela G. Liptak and Halit Eren, —Instrument Engineers Handbook: Process Software and Digital NetworksI, Volume 3, 4th Edition, CRS Press, 2015.

REFERENCES

1. Mackay S., Wright E., Reynders D. and Park J., —Practical Industrial Data Networks: Design, Installation and TroubleshootingI, Newnes Publication, Elsevier, 2012.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF MECHATRONICS

Academic Year: 2020-2021

VALUE ADDED COURSE


ATTENDANCE SHEET

Year/Semester : IV / VII

Name of the course : 20MTVC701 - NETWORKS IN INDUSTRIAL AUTOMATION

S. No	Register Number	Student Name	27.7.2020	28.7.2020	29.7.2020	30.7.2020	31.7.2020
1	17108001	ALBIN ABRAHAM	/	/	/	/	/
2	17108003	ANTONY NIRANJAN CROSS.M	/	/	/	/	/
3	17108004	ARUN KUMAR S	/	/	/	/	/
4	17108005	ASHOK.S	/	/	/	/	/
5	17108006	ASWAN H	/	/	/	/	/
6	17108007	BARATH.S	/	/	/	/	/
7	17108008	BESTIN BINOY	/	/	/	/	/
8	17108009	BHARATH.S	/	/	/	/	/
9	17108010	BHUVANESH KUMAR.S	/	/	/	/	/
10	17108012	DEENADHAYALAN.P	/	/	/	/	/
11	17108013	GOKULNATH.T	/	/	/	/	/
12	17108014	GOWTHAM.T	/	/	/	/	/
13	17108015	HABIB.F	/	/	/	/	/
14	17108016	HARIHARAN.S	/	/	/	/	/
15	17108017	KALAIYARASAN.S	/	/	/	/	/
16	17108018	KALVARAYAN.R	/	/	/	/	/
17	17108019	KAVIMANLA	A	A	A	A	A
18	17108020	KIRAN RAMESH	/	/	/	/	/
19	17108021	KUMARAN.K	/	/	/	/	/
20	17108023	MOHAMED THOUFEEQ.A	/	/	/	/	/

21	17108024	MONISH.V	/	/	/	/	/
22	17108025	MUHIL PARL.R	A	A	A	A	/
23	17108026	NAVEEN KUMAR.S	/	/	/	/	/
24	17108027	NIRANJAN.K	/	/	/	/	/
25	17108028	PRECHITH SINHA.S	/	/	/	/	/
26	17108029	PUGAZH.S	/	/	/	/	/
27	17108030	RAGUL.D	/	/	/	/	/
28	17108031	RAGUL.R	/	/	/	/	/
29	17108032	RAJKUMAR.R	/	/	/	/	/
30	17108034	SANDEEP.R	/	/	/	/	/
31	17108035	SANGEETA.R	/	/	/	/	/
32	17108036	SANTHOSH.M	/	/	/	/	/
33	17108037	SRIGOKULNATH.M	/	/	/	/	/
34	17108038	SRINATH.M.K	/	/	/	/	/
35	17108039	SUDHARSHAN.R	/	/	/	/	/
36	17108040	THAVA SELVAN.M	A	A	A	A	A
37	17108041	THIRUKUMARAN.R	/	/	/	/	/
38	17108042	VENMANI.P	/	/	/	/	/
39	17108043	VIGNESH.K	/	/	/	/	/
40	17108044	VIGNESH.M	/	/	/	/	/
41	17108301	GOKULNATH RAO.G	/	/	/	/	/


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

ANTONY NIRANJAN CROSS.M

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"20MTVC701 - NETWORKS IN INDUSTRIAL AUTOMATION". The duration of the course is

30 hours **(27.7.2020 to 31.7.2020)**.

A handwritten signature in black ink, appearing to be 'df', written over a horizontal line.

Course in-charge

A handwritten signature in black ink, appearing to be 'Dyan', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'Pr', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ARUN KUMAR S

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course
"20MTVC701 - NETWORKS IN INDUSTRIAL AUTOMATION". The duration of the course is

30 hours (27.7.2020 to 31.7.2020).

Course in-charge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ALBIN ABRAHAM

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

“20MTVC701 - NETWORKS IN INDUSTRIAL AUTOMATION”. The duration of the course is

30 hours (27.7.2020 to 31.7.2020).

A handwritten signature in black ink, appearing to be 'S. J.', written above a horizontal line.

Course in-charge

A handwritten signature in black ink, appearing to be 'D. J.', written above a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P.', written above a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ASHOK.S

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"20MTVC701 - NETWORKS IN INDUSTRIAL AUTOMATION". The duration of the course is

30 hours **(27.7.2020 to 31.7.2020)**.

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

ASWAN H

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"20MTVC701 - NETWORKS IN INDUSTRIAL AUTOMATION". The duration of the course is

30 hours **(27.7.2020 to 31.7.2020)**.

Course in-charge

HOD

Principal



PAAVAI ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)

DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

20MTVC801 - COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT

COURSE CONTENT:

- ✓ NSS PROGRAMMES AND ACTIVITIES
- ✓ COMMUNITY MOBILIZATION
- ✓ HEALTH, HYGIENE, FOOD AND NUTRITION
- ✓ ENTREPRENEURSHIP DEVELOPMENT



DATE : 01.02.2021 to 05.02.2021

VENUE: T326

COURSE IN CHARGE

Dr. R.T. AJAYKARTHIK, ASP/MCT

C. RAVIKUMAR, AP/MCT



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF MECHATRONICS**

DATE: 20.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on “20MTVC801 - COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT” for Eight semester students from 01.02.2021 to 05.02.2021. 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 25.01.2021.

Course in-charges: 1. Dr. R.T. AJAYKARTHIK, ASP/MCT - *Dr. R.T. Ajaykarthik*
2. C. RAVIKUMAR, AP/MCT - *C. Ravikumar*

Dyal
20/1/21
HOD/MCT

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COURSE OBJECTIVES

To enable the students to

- understand the basic concepts of National Service Scheme and its activity.
- identify the needs and problems of the community and involve them in problem solving.
- develop competence required for group living and acquire leadership qualities.

UNIT 1 Introduction and Basic Concepts of NSS

History-philosophy-aims & objectives of NSS- Emblem, flag, motto, song, badge- Organizational structure – roles and responsibilities functionaries.

UNIT 2 NSS Programmes and Activities

Concept of regular activities, special camping, Day Camps-Basis of adoption of village/slums- Methodology of conducting Survey -Financial pattern of the scheme -Coordination with different agencies-Maintenance of the Diary.

UNIT 3 Community Mobilization

Mapping of community stakeholders-Designing the message in the context of the problem and the culture of the community-Identifying methods of mobilization-Youth-adult partnership.

UNIT 4 Health, Hygiene, Food and Nutrition

Health, Hygiene & Sanitation: Definition, needs and scope of health education. Food and Nutrition - Safe drinking water, water borne diseases and sanitation (Swachh Bharat Abhiyan).

UNIT 5 Entrepreneurship Development

Definition & Meaning - Qualities of good entrepreneur - Steps/ways in opening an enterprise -Role of financial and support service Institutions.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- understand the community in which they work and render their service
- develop among themselves a sense of social and civic responsibility

TEXT BOOKS

1. A Hand book on National Service Scheme, Anna University, Chennai, 2012.

REFERENCES

1. Anuradha Basu, Mark Casson, Nigel Wade and Bernard Yeung, The Oxford handbook of entrepreneurship, Oxford Press. 2009.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF MECHATRONICS

Academic Year: 2020-2021

VALUE ADDED COURSE


ATTENDANCE SHEET

Year/Semester : IV / VIII

Name of the course : 20MTVC801 - COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT

S. No	Register Number	Student Name	1.2.2021	2.2.2021	3.2.2021	4.2.2021	5.2.2021
1	17108001	ALBIN ABRAHAM	/	/	/	/	/
2	17108003	ANTONY NIRANJAN CROSS.M	/	/	/	/	/
3	17108004	ARUN KUMAR.S	/	/	/	/	/
4	17108005	ASHOK.S	/	/	/	/	/
5	17108006	ASWAN.H	/	/	/	/	/
6	17108007	BARATH.S	/	/	/	/	/
7	17108008	BESTIN BENOY	/	/	/	/	/
8	17108009	BHARATH.S	A	/	/	/	/
9	17108010	BHUVANESH KUMAR.S	/	/	/	/	/
10	17108012	DEENADHAYALAN.P	/	/	/	/	/
11	17108013	GOKULNATH.T	/	/	/	A	/
12	17108014	GOWTHAM.T	/	/	/	/	/
13	17108015	HABIB.F	/	/	/	/	/
14	17108016	HARIHARAN.S	/	/	/	/	/
15	17108017	KALAIYARASAN.S	/	/	/	/	/
16	17108018	KALVARAYAN.R	/	/	/	/	/
17	17108019	KAVIMANLA	A	A	A	A	A
18	17108020	KIRAN RAMESH	/	/	/	/	/
19	17108021	KUMARAN.K	/	/	/	/	/
20	17108023	MOHAMED THOUFEEQ.A	A	A	A	A	A

21	17108024	MONISH.V	/	/	/	/	/
22	17108025	MUHIL PARI.R	/	/	/	/	/
23	17108026	NAVEEN KUMAR.S	A	A	A	A	A
24	17108027	NIRANJAN.K	/	/	/	/	/
25	17108028	PRECHITH SINHA.S	/	/	/	/	/
26	17108029	PUGAZH.S	/	/	/	/	/
27	17108030	RAGUL.D	/	/	/	/	/
28	17108031	RAGUL.R	/	/	/	/	/
29	17108032	RAJKUMAR.R	/	/	/	/	/
30	17108034	SANDEEP.R	/	/	A	/	/
31	17108035	SANGEETA.R	/	/	/	/	/
32	17108036	SANTHOSH.M	/	/	/	/	/
33	17108037	SRIGOKULNATH.M	/	/	/	/	/
34	17108038	SRINATH.M.K	/	/	/	/	/
35	17108039	SUDHARSHAN.R	/	/	/	/	/
36	17108040	THAVA SELVAN.M	/	/	/	/	/
37	17108041	THIRUKUMARAN.R	/	/	/	/	/
38	17108042	VENMANI.P	A	A	A	A	A
39	17108043	VIGNESH.K	/	/	/	/	/
40	17108044	VIGNESH.M	/	/	/	/	/
41	17108301	GOKULNATH RAO.G	/	/	/	/	/


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

BHUVANESH KUMAR.S

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

“20MTVC801 - COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT”. The duration of the

course is 30 hours **(1.2.2021 to 5.2.2021)**.

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

BHARATH.S

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course
“20MTVC801 - COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT”. The duration of the
course is 30 hours (1.2.2021 to 5.2.2021).

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

BESTIN BINOY

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course

"20MTVC801 - COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT". The duration of the

course is 30 hours (1.2.2021 to 5.2.2021).

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

DEENADHAYALAN.P

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course
"20MTVC801 - COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT". The duration of the
course is 30 hours (1.2.2021 to 5.2.2021).

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

BARATH.S

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course
"20MTVC801 - COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT". The duration of the
course is 30 hours (1.2.2021 to 5.2.2021).

Course in-charge

HOD

Principal

**DEPARTMENT OF BIOMEDICAL
ENGINEERING**



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

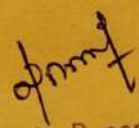
Module 5: Introduction to Cascading Style Sheets



DATE: 01.07.2019 – 05.07.2019

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: S.R. THIRUVASAKAM, AP/BME


Head of the Department
Department of Biomedical Engineering
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.



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 BIOMEDICAL ENGINEERING

DATE: 28.06.2019

CIRCULAR

It is planned to conduct Five Days Training Course on "19BMVC301-WEB DESIGN" for 3rd semester students from 01.07.2019 - 05.07.2019. The interested students are asked to enroll their name to the course coordinator S.R.THIRUVASAKAM, AP/BME on or before date. (Spot registration can also be permitted).

HOD/BME

Head of the Department
Department of Biomedical Engineering
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.

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COURSE OBJECTIVES

To enable the students to

- Define the principle of Web page design.
- Define the basics in web design
- Visualize the basic concept of HTML
- Visualize the working principle of multimedia
- To know about the basic concepts of CSS

Module-1 Web Design Principles

Basic principles involved in developing a web site, Planning process, Golden rules of web designing,

Designing navigation bar, Page design, Home Page Layout, Design Concept.

Module-2 Basics in Web Design

Brief History of Internet, What is World Wide Web, Why create a web site, Web Standards, Audience requirement.

Module-3 Introduction to HTML

What is HTML, HTML Documents, Basic structure of an HTML document, Creating an HTML document, Mark up Tags, Heading-Paragraphs, Line Breaks, HTML Tags.

Module-4 Elements of HTML

Introduction to elements of HTML, Working with Text, Working with Lists, Tables and Frames, Working with Hyperlinks, Images and Multimedia, Working with Forms and controls.

Module-5 Introduction to Cascading Style Sheets

Concept of CSS, Creating Style Sheet, CSS Properties, CSS Styling(Background, Text Format, Controlling Fonts), Working with block elements and objects, Working with Lists and Tables

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Academic Year: 2019-2020

ATTENDANCESHEET

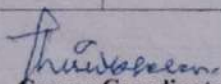
Year/Semester : II/III

Date: 01.07.2019

Name of the course: 19BMVC301-WEB DESIGN

S.No	Reg no.	Student Name	01.07.19	02.07.19	03.07.19	04.07.19	05.07.19
1.	18109001	G.AJITH	/	/	/	/	/
2.	18109002	K.ANJANA KUMARI	/	/	/	/	/
3.	18109004	M. ARUNA	/	/	/	/	/
4.	18109005	R.BHUVANAESHWARI	/	/	/	/	/
5.	18109006	S.DHANUSH	/	AB	/	/	/
6.	18109007	K.DINESH	/	/	/	/	/
7.	18109008	A.FAIJOOR RAHUMAN	/	/	/	/	/
8.	18109010	K.GLORIA	/	/	/	/	/
9.	18109011	GOKULRAJ N	/	/	/	/	/
10.	18109012	S.V. INDHUJA	AB	/	/	/	/
11.	18109013	B.JAMUNA	/	/	/	/	/
12.	18109014	B.JANANI	/	/	/	/	/
13.	18109015	S.P.JEEVA	/	/	/	/	/
14.	18109016	S.JOTHI	/	/	/	/	/
15.	18109018	V.KARUNANITHI	/	/	/	AB	/
16.	18109019	M.KAVINKUMAR	/	/	/	/	/
17.	18109020	K.KAVINNILVAN	/	/	/	/	/
18.	18109021	N.KAVUSHIKA	AB	/	/	/	/
19.	18109022	S.KEERTHANA	/	/	/	/	/

20.	18109023	S.MAHESHWARAN	/	/	/	/	/
21.	18109024	M.MANIKANDAN	/	/	/	/	/
22.	18109025	M.MANIMEGALAI	/	/	/	/	/
23.	18109026	M.PAVITHRA	/	/	/	/	/
24.	18109028	M.RAGUL	/	/	/	/	/
25.	18109029	M.RAJESH	/	/	/	/	/
26.	18109030	A.RAKESH	/	AB	/	/	/
27.	18109031	S.RANJITHKUMAR	/	/	/	/	/
28.	18109032	S.SABARIBALAJI	/	/	/	/	/
29.	18109033	SANDRA ELIZABATH	/	/	/	AB	/
30.	18109034	R.SARIKA	/	/	/	/	/
31.	18109035	S.SATHASIVAM	/	/	/	/	/
32.	18109036	S.SATHES	/	/	/	/	/
33.	18109037	V.SATHIYAPRIYA	/	/	/	/	/
34.	18109038	A.SATHIYAVANI	AB	/	/	/	/
35.	18109039	B.SHOBICA	/	/	/	/	/
36.	18109040	G.SILAMBARASAN	/	/	/	/	/
37.	18109041	R.SIREESHA	/	/	/	/	/
38.	18109042	T.SUMAIYA	/	/	/	/	A
39.	18109043	R.SURYA	/	/	/	/	/
40.	18109044	M.SWATHI	/	AB	/	/	/
41.	18109045	N.UDHAYANITHI	/	/	/	/	/
42.	18109046	K.VAISHNAVI	/	/	/	/	/
43.	18109047	VINITHA.P	/	/	/	/	/
44.	18109301	V.AGALYA	/	/	/	/	/


 Course Coordinator



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

G.AJITH

of Paavai Engineering College, studying in **Second Year** has successfully completed the **WEB DESIGN** course from **01/07/2019** to **05/07/2019**.

A handwritten signature in blue ink, likely belonging to the Course Coordinator.

Course Coordinator

A handwritten signature in blue ink, likely belonging to the Head of Department (HOD).

HOD

A handwritten signature in blue ink, likely belonging to the Principal.

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

K.ANJANA KUMARI

of Paavai Engineering College, studying in **Second Year** has successfully completed the **WEB DESIGN** course from **01/07/2019** to **05/07/2019**.

A handwritten signature in blue ink, likely belonging to the Course Coordinator.

Course Coordinator

A handwritten signature in blue ink, likely belonging to the Head of Department (HOD).

HOD

A handwritten signature in blue ink, likely belonging to the Principal.

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

M. ARUNA

of Paavai Engineering College, studying in **Second Year** has successfully completed the **WEB DESIGN** course from **01/07/2019** to **05/07/2019**.

A handwritten signature in blue ink, likely belonging to the Course Coordinator.

Course Coordinator

A handwritten signature in blue ink, likely belonging to the Head of Department (HOD).

HOD

A handwritten signature in blue ink, likely belonging to the Principal.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

R.BHUVANAESHWARI

of Paavai Engineering College, studying in **Second Year** has successfully completed the **WEB DESIGN** course from **01/07/2019** to **05/07/2019**

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

S.DHANUSH

of Paavai Engineering College, studying in **Second Year** has successfully completed the **WEB DESIGN** course from **01/07/2019** to **05/07/2019**.

A handwritten signature in blue ink, likely belonging to the Course Coordinator.

Course Coordinator

A handwritten signature in blue ink, likely belonging to the Head of Department (HOD).

HOD

A handwritten signature in blue ink, likely belonging to the Principal.

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE

19BMVC401-IOT

COURSE CONTENT

Module 1: Embedded system product development cycle

Module 2: Formalisms in System modeling

Module 3: IoT Architecture Reference Model (ARM)

Module 4: IoT Communication Architecture


Module 5: IoT Architecture standards



DATE: 25.11.2019 - 29.11.2019

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE INCHARGE: S.R. THIRUVASAKAM, AP/BME

 13.11.19

Head of the Department
Department of Biomedical Engineering
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.



**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 BIOMEDICAL ENGINEERING

DATE: 13.11.2019

CIRCULAR

It is planned to conduct Five Days Training Course on "19BMVC401 - IOT" for 4th semester students from 25.11.2019 - 29.11.2019. The interested students are asked to enroll their name to the course coordinator S.R.THIRUVASAKAM, AP/BME on or before date. (Spot registration can also be permitted).

HOD/BME

Copy to:

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**Head of the Department
Department of Biomedical Engineering
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.**

COURSE OBJECTIVES

To enable the students to

- To acquaint with the basic concepts of embedded system product development cycle and modeling.
- To introduce IoT architecture reference model
- To introduce IoT architecture standards for different use case under discussion.
- To introduce IoT Network and channel aware communication Topologies and Hierarchy
- To acquaint with the various security concepts in IoT architecture

Module-1 Embedded system product development cycle

Challenges in embedded system design, Processor general purpose, customized, application specific-Embedded product life cycle-waterfall, successive refinement, spiral models.

Module-2 Formalisms in System modeling

Requirement analysis, Architectures, Data flow graph, state models, sequence diagram UML /sysml.

Module-3 IoT Architecture Reference Model (ARM)

Evolution of IoT, Need for ARM, Event-driven Architectures, Service oriented Architecture. IoT Domain Model, Information Model, Functional Model - Communication Model, Security Model. Need for cloud in IoT. Open source clouds and interfaces.

Module-4 IoT Communication Architecture

IoT nodes, IoT Edge, 6LOWPAN, ipv4/ipv6, MQTT, CoAP, Application aware communication, Network and channel aware communication Topologies and Hierarchy.

Module-5 IoT Architecture standards

ETSI standard for IoT Architecture : Standards for IoT for Home, Energy, People, motion, City

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Comprehend and analyze various embedded product development life cycle.



PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF BIOMEDICAL ENGINEERING
ATTENDANCE SHEET

Name of the course : 19BMVC401-IOT

Name of the Programme : B.E. Biomedical Engineering

Year/Semester : II/IV

Duration : 25.11.2019 – 29.11.2019

S.No	Reg no.	Student Name	25.11.19	26.11.19	27.11.19	28.11.19	29.11.19
1.	18109001	G.AJITH	/	/	/	/	/
2.	18109002	K.ANJANA KUMARI	/	/	/	/	/
3.	18109004	M. ARUNA	/	/	/	/	/
4.	18109005	R.BHUVANAESHWARI	/	/	/	/	/
5.	18109006	S.DHANUSH	/	/	/	/	/
6.	18109007	K.DINESH	/	/	/	/	/
7.	18109008	A.FAJJOOR RAHUMAN	/	/	/	/	/
8.	18109010	K.GLORIA	a	a	a	a	a
9.	18109011	GOKULRAJ N	/	/	/	/	/
10.	18109012	S.V. INDHUJA	a	a	a	a	a
11.	18109013	B.JAMUNA	/	/	/	/	/
12.	18109014	B.JANANI	/	/	/	/	/
13.	18109015	S.P.JEEVA	/	/	/	/	/
14.	18109016	S.JOTHI	/	/	/	/	/
15.	18109018	V.KARUNANITHI	/	/	/	/	/
16.	18109019	M.KAVINKUMAR	/	/	/	/	/
17.	18109020	K.KAVINNILVAN	/	/	/	/	/

18.	18109021	N.KAVUSHIKA	/	/	/	/	/
19.	18109022	S.KEERTHANA	/	/	/	/	/
20.	18109023	S.MAHESHWARAN	/	/	/	/	/
21.	18109024	M.MANIKANDAN	/	/	/	/	/
22.	18109025	M.MANIMEGALAI	/	/	/	/	/
23.	18109026	M.PAVITHRA	/	/	/	/	/
24.	18109028	M.RAGUL	/	/	/	/	/
25.	18109029	M.RAJESH	/	/	/	/	/
26.	18109030	A.RAKESH	/	/	/	/	/
27.	18109031	S.RANJITHKUMAR	/	/	/	/	/
28.	18109032	S.SABARIBALAJI	a	a	a	a	a
29.	18109033	SANDRA ELIZABATH	/	/	/	/	/
30.	18109034	R.SARIKA	/	/	/	/	/
31.	18109035	S.SATHASIVAM	/	/	/	/	/
32.	18109036	S.SATHES	/	/	/	/	/
33.	18109037	V.SATHIYAPRIYA	/	/	/	/	/
34.	18109038	A.SATHIYAVANI	/	/	/	/	/
35.	18109039	B.SHOBICA	/	/	/	/	/
36.	18109040	G.SILAMBARASAN	/	/	/	/	/
37.	18109041	R.SIREESHA	/	/	/	/	/
38.	18109042	T.SUMAIYA	/	/	/	/	/
39.	18109043	R.SURYA	/	/	/	/	/
40.	18109044	M.SWATHI	/	/	/	/	/
41.	18109045	N.UDHAYANITHI	/	/	/	/	/
42.	18109046	K.VAISHNAVI	/	/	/	/	/
43.	18109047	VINITHA.P	/	/	/	/	/
44.	18109301	V.AGALYA	a	a	a	a	a

S. Thirumala
Course Coordinator

Head of the Department
Department of Biomedical
Paavai Engineering
Paavai Nagar
Tamil Nadu



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify that

K. ANJANA KUMARI

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

Added Course "**IOT**". The duration of the course is 30 hours from **25/11/2019** to **29/11/2019**.

A handwritten signature in blue ink, likely belonging to the Course Coordinator.

Course Coordinator

A handwritten signature in blue ink, likely belonging to the Head of Department (HOD).

HOD

A handwritten signature in blue ink, likely belonging to the Principal.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify that

K. DINESH

of Paavai Engineering College, studying in **Second Year** has successfully completed the Value Added Course "**IOT**". The duration of the course is 30 hours from **25/11/2019** to **29/11/2019**.

A handwritten signature in blue ink, appearing to be 'S. S. S.', written over a horizontal line.

Course Coordinator

A handwritten signature in blue ink, appearing to be 'S. S. S.', written over a horizontal line.

HOD

A handwritten signature in blue ink, appearing to be 'P. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify that

GOKULRAJ N

of Paavai Engineering College, studying in **Second Year** has successfully completed the Value Added Course "IOT". The duration of the course is 30 hours from **25/11/2019** to **29/11/2019**.

A handwritten signature in blue ink, appearing to be 'S. S. S.', written over a horizontal line.

Course Coordinator

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HOD

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Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify that

M.RAGUL

of Paavai Engineering College, studying in **Second Year** has successfully completed the Value Added Course "IOT". The duration of the course is 30 hours from **25/11/2019** to **29/11/2019**.

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 that

N.KAVUSHIKA

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

Added Course "**IOT**". The duration of the course is 30 hours from **25/11/2019** to **29/11/2019**.

Course Coordinator

HOD

Principal



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: 16.06.2020 – 20.06.2020

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Ms. A.ANCY CHRISTY, AP/BME

Head of the Department
Department of Biomedical Engineering
Paavai Engineering College
Paavai Nagar, Pachai,
Namakkal-637 018.



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 12.06.2020

CIRCULAR

It is planned to conduct Five Days Training Course on “**20BMVC301
EMBEDDED PROGRAMMING USING ARDUINO**” for 5th semester students from 16.06.2020 to 20.06.2020. The interested students are asked to enroll their names to the course coordinator Ms. A.ANCY CHRISTY, AP/BME on or before 14.06.2020. (Spot registration can also be permitted).

HOD/BME

Head of the Department
Department of Biomedical Engineering
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.

Copy to :

Notice board

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

TOTAL PERIODS 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)
NAMAKKAL -637 018

DEPARTMENT OF BIOMEDICAL ENGINEERING
ATTENDANCE SHEET

Name of the course : 20BMVC301- EMBEDDED PROGRAMMING USING ARDUINO
Name of the Programme : B.E. Biomedical Engineering
Year/Semester : III/V
Duration : 16.06.2020- 20.06.2020

S.No	Reg no.	Student Name	16.6.2020	17.6.2020	18.6.2020	19.6.2020	20.6.2020
1.	18109001	G.AJITH	/	/	/	/	/
2.	18109002	K.ANJANA KUMARI	a	a	/	/	/
3.	18109004	M. ARUNA	/	/	/	/	/
4.	18109005	R.BHUVANAESHWARI	/	/	/	/	/
5.	18109006	S.DHANUSH	/	/	/	/	/
6.	18109007	K.DINESH	/	/	/	/	/
7.	18109008	A.F.RAHUMAN	/	/	/	/	/
8.	18109010	K.GLORIA	a	a	a	/	/
9.	18109011	GOKULRAJ N	/	/	/	/	/
10.	18109012	S.V. INDHUJA	/	/	/	/	/
11.	18109013	B.JAMUNA	/	/	/	/	/
12.	18109014	B.JANANI	/	/	/	/	/
13.	18109015	S.P.JEEVA	/	/	/	/	/
14.	18109016	S.JOTHI	/	/	/	/	/
15.	18109018	V.KARUNANITHI	a	a	/	/	/
16.	18109019	M.KAVINKUMAR	/	/	/	/	/
17.	18109020	K.KAVINNILVAN	/	/	/	/	/
18.	18109021	N.KAVUSHIKA	/	/	/	/	/
19.	18109022	S.KEERTHANA	/	/	/	/	/
20.	18109023	S.MAHESHWARAN	/	/	/	/	/
21.	18109024	M.MANIKANDAN	/	/	/	/	/
22.	18109025	M.MANIMEGALAI	/	/	/	/	/
23.	18109026	M.PAVITHRA	a	a	a	/	/
24.	18109028	M.RAGUL	/	/	/	/	/
25.	18109029	M.RAJESH	/	/	/	/	/
26.	18109030	A.RAKESH	/	/	/	/	/
27.	18109031	S.RANJITHKUMAR	/	/	/	/	/
28.	18109032	S.SABARIBALAJI	/	/	/	/	/

29.	18109033	SANDRA ELIZABATH	/	/	/	/	/
30.	18109034	R SARIKA	/	/	/	/	/
31.	18109035	S SATHASIVAM	/	/	/	/	/
32.	18109036	S SATHES	/	/	/	/	/
33.	18109037	V SATHIYAPRIYA	/	/	/	/	/
34.	18109038	A SATHIYAVANI	/	/	/	/	/
35.	18109039	B SHOBICA	/	/	/	/	/
36.	18109040	G SILAMBARASAN	/	/	/	/	/
37.	18109041	R SIREESHA	/	/	/	/	/
38.	18109042	T SUMAIYA	/	/	/	/	/
39.	18109043	R SURYA	/	/	/	/	/
40.	18109044	M.SWATHI	/	/	/	/	/
41.	18109045	N.UDHAYANITHI	/	/	/	/	/
42.	18109046	K.VAISHNAVI	/	/	/	/	/
43.	18109047	VINITHA.P	/	/	/	/	/

[Signature]

Course Coordinator

[Signature]

HOD

Head of the Department
Department of Biomedical Engineering
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

K.ANJANA KUMARI

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

PROGRAMMING USING ARDUINO course from **16/06/2020** to **20/06/2020**

A handwritten signature in blue ink, appearing to be 'K. Anjana Kumari', written over a horizontal line.

Course Coordinator

A handwritten signature in blue ink, appearing to be 'K. Anjana Kumari', written over a horizontal line.

HOD

A handwritten signature in blue ink, appearing to be 'K. Anjana Kumari', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

SANDRA ELIZABATH

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

PROGRAMMING USING ARDUINO course from **16/06/2020** to **20/06/2020**

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

S.KEERTHANA

of Paavai Engineering College, studying in **Third Year** has successfully completed the **EMBEDDED PROGRAMMING USING ARDUINO** course from **16/06/2020** to **20/06/2020**

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

N GOKULRAJ

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

PROGRAMMING USING ARDUINO course from **16/06/2020** to **20/06/2020**

A handwritten signature in blue ink, likely belonging to the Course Coordinator.

Course Coordinator

A handwritten signature in blue ink, likely belonging to the Head of Department (HOD).

HOD

A handwritten signature in blue ink, likely belonging to the Principal.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

G.SILAMBARASAN

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

PROGRAMMING USING ARDUINO course from **16/06/2020** to **20/06/2020**

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE

20BMVC401- MATLAB PROGRAMMING

COURSE CONTENT

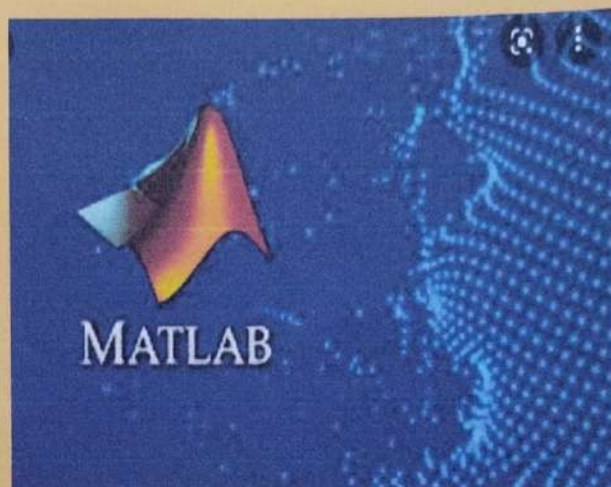
Module 1: Basics of MATLAB

Module 2: Root Finding and Plotting

Module 3: Vectors, Fractals and Chaos

Module 4: Biomedical Signal and Image Processing

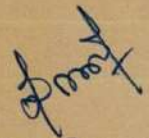
Module 5: Graphical User Interface



DATE: 26.04.2021 - 30.04.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Dr. K.BASKAR AP/BME


Head of the Department
Department of Biomedical Engineering
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE:22.04.2021

CIRCULAR

It is planned to conduct Five Days Training Course on “**20BMVC401
MATLAB PROGRAMMING**” for 6th semester students from 26.04.2021 to 30.04.2021.
The interested students are asked to enroll their name to the course coordinator Dr.
K.BASKAR AP/BME on or before 24.04.2021.(Spot registration can also be permitted).

HOD/BME

Copy to :

Notice board

**Head of the Department
Department of Biomedical Engineering
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.**

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 - ComplexNumbers, User definedfunctions, Scope ; Fractals – Logistic Equation, Loops, Break and Continue, TruthStatements and LogicalIndexing ; DebuggingwithMatlab, Files I/O

UNIT IV BIOMEDICAL SIGNAL AND IMAGE PROCESSING 9

One-dimensional signal and images, Two-dimensional or eventhree- or four-dimensional data, filtering and convolution, image-processingalgorithms

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>



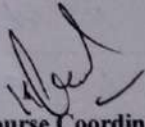
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL -637 018

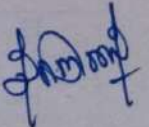
DEPARTMENT OF BIOMEDICAL ENGINEERING
ATTENDANCE SHEET

Name of the course : 20BMVC401- MATLAB PROGRAMMING
Name of the Programme : B.E. Biomedical Engineering
Year/Semester : III/VI
Duration : 26.04.2021 – 30.04.2021

S.No	Reg no.	Student Name	26. 4.21	27. 4.21	28. 4.21	29. 4.21	30. 4.21
1.	18109001	G.AJITH	/	/	/	/	/
2.	18109002	K.ANJANA KUMARI	a	a	/	/	/
3.	18109004	M. ARUNA	/	/	/	/	/
4.	18109005	R.BHUVANAESHWARI	/	/	/	/	/
5.	18109006	S.DHANUSH	/	/	/	/	/
6.	18109007	K.DINESH	/	/	/	/	/
7.	18109008	A.F.RAHUMAN	/	/	/	/	/
8.	18109010	K.GLORIA	a	a	a	/	/
9.	18109011	GOKULRAJ N	/	/	/	/	/
10.	18109012	S.V. INDHUJA	/	/	/	/	/
11.	18109013	B.JAMUNA	/	/	/	/	/
12.	18109014	B.JANANI	/	/	/	/	/
13.	18109015	S.P.JEEVA	/	/	/	/	/
14.	18109016	S.JOTHI	/	/	/	/	/
15.	18109018	V.KARUNANITHI	a	a	/	/	/
16.	18109019	M.KAVINKUMAR	/	/	/	/	/
17.	18109020	K.KAVINNILVAN	/	/	/	/	/
18.	18109021	N.KAVUSHIKA	/	/	/	/	/
19.	18109022	S.KEERTHANA	/	/	/	/	/
20.	18109023	S.MAHESHWARAN	/	/	/	/	/

21.	18109024	M.MANIKANDAN	/	/	/	/	/
22.	18109025	M.MANIMEGALAI	/	/	/	/	/
23.	18109026	M.PAVITHRA	a	a	/	/	/
24.	18109028	M.RAGUL	/	/	/	/	/
25.	18109029	M.RAJESH	/	/	/	/	/
26.	18109030	A.RAKESH	/	/	/	/	/
27.	18109031	S.RANJITHKUMAR	/	/	/	/	/
28.	18109032	S.SABARIBALAJI	/	/	/	/	/
29.	18109033	SANDRA ELIZABATH	/	/	/	/	/
30.	18109034	R.SARIKA	/	/	/	/	/
31.	18109035	S.SATHASIVAM	/	/	/	/	/
32.	18109036	S.SATHES	/	/	/	/	/
33.	18109037	V.SATHIYAPRIYA	/	/	/	/	/
34.	18109038	A.SATHIYAVANI	/	/	/	/	/
35.	18109039	B.SHOBICA	/	/	/	/	/
36.	18109040	G.SILAMBARASAN	/	/	/	/	/
37.	18109041	R.SIREESHA	/	/	/	/	/
38.	18109042	T.SUMAIYA	/	/	/	/	/
39.	18109043	R.SURYA	/	/	/	/	/
40.	18109044	M.SWATHI	/	/	/	/	/
41.	18109045	N.UDHAYANITHI	/	/	/	/	/
42.	18109046	K.VAISHNAVI	/	/	/	/	/
43.	18109047	VINITHA.P	/	/	/	/	/


Course Coordinator


HOD
Head of the Department
Department of Biomedical Engineering
Paavai Engineering College
Paavai Nagar, Pachai,
Namakkal-637 0183.
Department
Paavai
Paavai Nagar
Namakkal-637 0183.



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

S.SABARIBALAJI

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

PROGRAMMING course from **26/04/2021** to **30/04/2021**

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

S.DHANUSH

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

PROGRAMMING course from **26/04/2021** to **30/04/2021**

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

G.SILAMBARASAN

of Paavai Engineering College, studying in **Third Year** has successfully completed the **MATLAB PROGRAMMING** course from **26/04/2021** to **30/04/2021**

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

G.AJITH

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

PROGRAMMING course from **26/04/2021** to **30/04/2021**

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: 19.07.2021– 23.07.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Mr.P.MANIVANNAN, AP/BME

Head of the Department
Department of Biomedical Engineering
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 12.07.2021

CIRCULAR

It is planned to conduct Five Days Training Course on **"21BMVC301 BASIC ELECTRONIC CIRCUIT DESIGN USING MULTISIM "** for 3rd and 5th semester students from 19.07.2021 to 23.07.2021. The interested students are asked to enroll their names to the course coordinator Mr. P.MANIVANNAN, AP/BME on or before 16.07.2021. (Spot registration can also be permitted).

HOD/BME

**Head of the Department
Department of Biomedical Engineering
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.**

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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/>



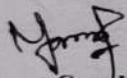
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL -637 018

DEPARTMENT OF BIOMEDICAL ENGINEERING
ATTENDANCE SHEET

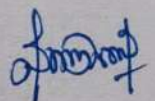
Name of the course : 21BMVC301- ELECTRONIC CIRCUIT DESIGN USING MULTISIM
Name of the Programme : B.E. Biomedical Engineering
Year/Semester : III&IV / V&VII
Duration : 19.07.2021- 23.07.2021

S.No	Reg no.	Student Name	19.07.21	20.07.21	21.07.21	22.07.21	23.07.21
1.	18109001	G.AJITH	/	/	/	/	/
2.	18109002	K.ANJANA KUMARI	/	/	/	/	/
3.	18109004	M. ARUNA	/	/	/	/	/
4.	18109005	R.BHUVANAESHWARI	/	/	/	/	/
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6.	18109007	K.DINESH	/	/	/	/	/
7.	18109008	A.FAIJOOR RAHUMAN	/	/	/	/	/
8.	18109010	K.GLORIA	/	/	/	/	/
9.	18109011	GOKULRAJ N	/	/	/	/	/
10.	18109012	S.V. INDHUJA	/	/	/	/	/
11.	18109013	B.JAMUNA	a	a	a	/	A
12.	18109014	B.JANANI	a	a	/	/	/
13.	18109015	S.P.JEEVA	/	/	/	/	/
14.	18109016	S.JOTHI	/	/	/	/	/
15.	18109018	V.KARUNANITHI	a	a	/	/	/
16.	18109019	M.KAVINKUMAR	/	/	/	/	/
17.	18109020	K.KAVINNILVAN	/	/	/	/	/
18.	18109021	N.KAVUSHIKA	/	/	/	/	/
19.	18109022	S.KEERTHANA	/	/	/	/	/
20.	18109023	S.MAHESHWARAN	/	/	/	/	/
21.	18109024	M.MANIKANDAN	/	/	/	/	/
22.	18109025	M.MANIMEGALAI	/	/	/	/	/
23.	18109026	M.PAVITHRA	/	/	/	/	/
24.	18109028	M.RAGUL	a	a	/	/	/
25.	18109029	M.RAJESH	/	/	/	/	/

26.	18109030	A.RAKESH	/	/	/	/	/
27.	18109031	S.RANJITHKUMAR	/	/	/	/	/
28.	18109032	S.SABARIBALAJI	/	/	/	/	/
29.	18109033	SANDRA ELIZABATH	/	/	/	/	/
30.	18109034	R.SARIKA	/	/	/	/	/
31.	19109025	MATHESWARI S	/	/	/	/	/
32.	19109027	NANDHINI S	/	/	/	/	/
33.	19109028	NARMADHA N	/	/	/	/	/
34.	19109029	NAVANEETH RAJ	/	/	/	/	/
35.	19109030	NAVEENA EVANGELIN J	a	a	/	/	/
36.	19109031	NIVETHIKA A	/	/	/	/	/
37.	19109032	PRATHIPA P	/	/	/	/	/
38.	19109033	PREETHIKA M	/	/	/	/	/
39.	19109034	RISANTH N	/	/	/	/	/
40.	19109035	RITHIKA SHALINI S	/	/	/	/	/
41.	19109025	MATHESWARI S	/	/	/	/	/
42.	19109027	NANDHINI S	/	/	/	/	/
43.	19109028	NARMADHA N	/	/	/	/	/



Course Coordinator



HOD

Head of the Department
Department of Biomedical Engineering
Pavai Engineering College
Pavai Nagar, Pachalmedu
Tamil Nadu 607 018



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

K.KAVINNILVAN

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

ELECTRONIC CIRCUIT DESIGN USING MULTISIM course from **19/07/2021** to **23/07/2021**

A handwritten signature in blue ink, appearing to be 'K. Kavinnilvan', written over a horizontal line.

Course Coordinator

A handwritten signature in blue ink, appearing to be 'K. Kavinnilvan', written over a horizontal line.

HOD

A handwritten signature in blue ink, appearing to be 'K. Kavinnilvan', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

G.AJITH

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

ELECTRONIC CIRCUIT DESIGN USING MULTISIM course from **19/07/2021** to **23/07/2021**

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

NARMADHA N

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

ELECTRONIC CIRCUIT DESIGN USING MULTISIM course from **19/07/2021** to **23/07/2021**

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Biomedical Engineering

CERTIFICATE

This is to certify

NAVEENA EVANGELIN J

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

ELECTRONIC CIRCUIT DESIGN USING MULTISIM course from **19/07/2021** to **23/07/2021**

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

M.RAGUL

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

ELECTRONIC CIRCUIT DESIGN USING MULTISIM course from **19/07/2021** to **23/07/2021**

A handwritten signature in black ink, appearing to be 'R. Ravi', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'S. Ravi', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. Ravi', written over a horizontal line.

Principal



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

VHDL Programming Training for FPGA



Head of the Department
Department of Biomedical Engineering
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.

DATE: 23.11.2021 - 27.11.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Dr.K.BASKAR. AP/BME



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE:18.11.2021

CIRCULAR

It is planned to conduct Five Days Training Course on “**21BMVC401 VHDL PROGRAMMING**” for 5th and 7th semester students from 23.11.2021 to 27.11.2021. The interested students are asked to enroll their name to the course coordinator Dr.S BASKAR. AP/BME on or before 22.11.2021.(Spot registration can also be permitted).

HOD/BME

Head of the Department
Department of Biomedical Engineering
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.

Copy to :

Notice board

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 (AUTONOMOUS)
NAMAKKAL -637 018

DEPARTMENT OF BIOMEDICAL ENGINEERING
ATTENDANCE SHEET

Name of the course : 21BMVC401- VHDL PROGRAMMING

Name of the Programme : B.E. Biomedical Engineering

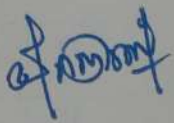
Year/Semester : III&IV / V&VII

Duration : 23.11.2021 – 27.11.2021

S.No	Reg no.	Student Name	23.11.21	24.11.21	25.11.21	26.11.21	27.11.21
1.	18109001	G.AJITH	/	/	/	/	/
2.	18109002	K.ANJANA KUMARI	/	/	/	/	/
3.	18109004	M. ARUNA	/	/	/	/	/
4.	18109005	R.BHUVANAESHWARI	/	/	/	/	/
5.	18109006	S.DHANUSH	/	/	/	/	/
6.	18109007	K.DINESH	/	/	/	/	/
7.	18109008	A.FAIJOOR RAHUMAN	/	/	/	/	/
8.	18109010	K.GLORIA	a	a	a	/	/
9.	18109011	GOKULRAJ N	/	/	/	/	/
10.	18109012	S.V. INDHUJA	/	/	/	/	/
11.	18109013	B.JAMUNA	/	/	/	/	/
12.	18109014	B.JANANI	/	/	/	/	/
13.	18109015	S.P.JEEVA	/	/	/	/	/
14.	18109016	S.JOTHI	/	/	/	/	/
15.	18109018	V.KARUNANITHI	a	a	/	/	/
16.	18109019	M.KAVINKUMAR	/	/	/	/	/
17.	18109020	K.KAVINNILVAN	/	/	/	/	/
18.	18109021	N.KAVUSHIKA	/	/	/	/	/
19.	18109022	S.KEERTHANA	/	/	/	/	/

20.	18109023	S.MAHESHWARAN	/	/	/	/	/
21.	18109024	M.MANIKANDAN	/	/	/	/	/
22.	18109025	M.MANIMEGALAI	/	/	/	/	/
23.	18109026	M.PAVITHRA	/	/	/	/	/
24.	18109028	M.RAGUL	/	/	/	/	/
25.	18109029	M.RAJESH	/	/	/	/	/
26.	18109030	A.RAKESH	/	/	/	/	/
27.	18109031	S.RANJITHKUMAR	/	/	/	/	/
28.	18109032	S.SABARIBALAJI	/	/	/	/	/
29.	18109033	SANDRA ELIZABATH	/	/	/	/	/
30.	18109034	R.SARIKA	/	/	/	/	/
31.	18109035	S.SATHASIVAM	/	/	/	/	/
32.	18109036	S.SATHES	/	/	/	/	/
33.	18109037	V.SATHIYAPRIYA	/	/	/	/	/
34.	18109038	A.SATHIYAVANI	/	/	/	/	/
35.	18109039	B.SHOBICA	/	/	/	/	/
36.	19109028	NARMADHA N	/	/	/	/	/
37.	19109029	NAVANEETH RAJ	/	/	/	/	/
38.	19109030	NAVEENA EVANGELIN J	/	/	/	/	/
39.	19109031	NIVETHIKA A	/	/	/	/	/
40.	19109032	PRATHIPA P	/	/	/	/	/
41.	19109033	PREETHIKA M	/	/	/	/	/
42.	19109034	RISANTH N	/	/	/	/	/
43.	19109035	RITHIKA SHALINI S	/	/	/	/	/
44.	19109025	MATHESWARI S	/	/	/	/	/


Course Coordinator


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

MATHESWARI S

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

PROGRAMMING course from **23/11/2021** to **27/11/2021**

A handwritten signature in blue ink, appearing to be 'S. Prasad', written over a horizontal line.

Course Coordinator

A handwritten signature in blue ink, appearing to be 'S. Prasad', written over a horizontal line.

HOD

A handwritten signature in blue ink, appearing to be 'P. Prasad', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

RITHIKA SHALINI S

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

PROGRAMMING course from **23/11/2021** to **27/11/2021**

A handwritten signature in blue ink, appearing to be 'R. S. S.', written over a horizontal line.

Course Coordinator

A handwritten signature in blue ink, appearing to be 'S. S.', written over a horizontal line.

HOD

A handwritten signature in blue ink, appearing to be 'P.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Biomedical Engineering

CERTIFICATE

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V.SATHIYAPRIYA

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

PROGRAMMING course from **23/11/2021** to **27/11/2021**

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Biomedical Engineering

CERTIFICATE

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S.RANJITHKUMAR

of Paavai Engineering College, studying in **Fourth Year** has successfully completed the **VHDL PROGRAMMING** course from **23/11/2021** to **27/11/2021**

Course Coordinator

HOD

Principal



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Department of Biomedical Engineering

CERTIFICATE

This is to certify

M.MANIKANDAN

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

PROGRAMMING course from **23/11/2021** to **27/11/2021**

Course Coordinator

HOD

Principal

DEPARTMENT OF MEDICAL ELECTRONICS



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE

20MDVC301- OPEN SOURCE PROGRAMMING USING LINUX

COURSE CONTENT

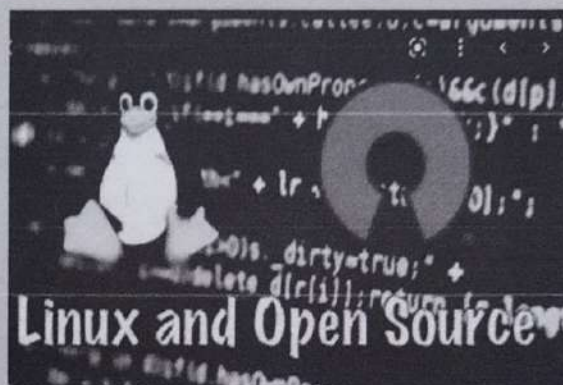
Module 1: Introduction to LINUX

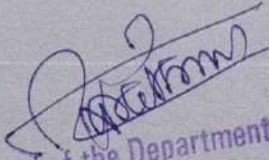
Module 2: Basics in Web Design

Module 3: Introduction to Open source

Module 4: Tagging Elements

Module 5: Applications




Head of the Department
Department of Medical Electronics
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.

DATE: 14.07.2020– 18.07.2020

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Mr.S.JOTHEESHWARAN, AP/MDE



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

DEPARTMENT OF MEDICAL ELECTRONICS

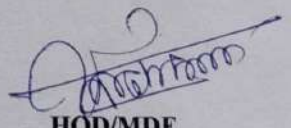
DATE: 12.07.2020

CIRCULAR

It is planned to conduct Five Days Training Course on “**20MDVC301 OPEN SOURCE PROGRAMMING USING LINUX**” for 3rd semester students from 14.07.2020 to 18.07.2020. The interested students are asked to enroll their names to the course coordinator Mr.S.JOTHEESHWARAN, AP/MDE on or before 13.07.2020. (Spot registration can also be permitted).

Copy to :

Notice board


HOD/MDE
Head of the Department
Department of Medical Electronics
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.

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 ADMINISTRATION 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



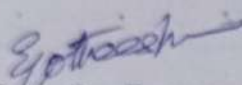
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL -637 018

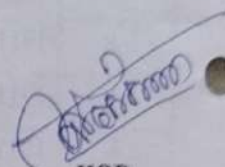
DEPARTMENT OF MEDICAL ELECTRONICS
ATTENDANCE SHEET

Name of the course : 20MDVC301 OPEN SOURCE PROGRAMMING USING LINUX
Name of the Programme : B.E. Medical Electronics
Year/Semester : II/III
Duration : 14.07.2020- 18.07.2020

S.No	Reg no.	Student Name	14.7.20	15.7.20	16.7.20	17.7.20	18.7.20
1.	19110003	Aswini A	/	/	/	/	/
2.	19110004	Atchaya M	/	/	/	/	/
3.	19110006	Bavithra R	/	/	/	/	/
4.	19110007	Devika M	/	/	/	/	/
5.	19110008	GnanaPriyadhashini	a	a	/	/	/
6.	19110009	Gogul Prasath R	/	/	/	/	/
7.	19110010	GowriShankar K	/	/	/	/	/
8.	19110012	JayaVarshini J	a	a	a	/	/
9.	19110013	Kalpana P	/	/	/	/	/
10.	19110014	Kamali M	/	/	/	/	/
11.	19110016	Karthick K	/	/	/	/	/
12.	19110017	Karthick K	/	/	/	/	/
13.	19110018	Kaviya A	/	/	/	/	/
14.	19110019	Kishore M	/	/	/	/	/
15.	19110020	Kowsalya M	a	a	/	/	/
16.	19110021	Logesh S	/	/	/	/	/
17.	19110022	MadhuMitha R	/	/	/	/	/
18.	19110023	Mahesh M	/	/	/	/	/
19.	19110024	ManojKumar S	/	/	/	/	/
20.	19110025	MariMuthu R	/	/	/	/	/
21.	19110026	MohanDoss S	/	/	/	/	/
22.	19110027	Manoj S	/	/	/	/	/
23.	19110029	Nidharshana L	/	/	/	/	/
24.	19110030	Nithya P	/	/	/	/	/
25.	19110031	PriyaDharshini K	/	/	/	/	/

26.	19110032	PriyaDharshini R	/	/	/	/	/
27.	19110034	Ragavi R	/	/	/	/	/
28.	19110037	S Ahmed F	/	/	/	/	/
29.	19110038	Saran S	/	/	/	/	/
30.	19110039	SathyaJothi M	/	/	/	/	/
31.	19110040	Seenivasan A	/	/	/	/	/
32.	19110041	SriJoshini S	a	a	/	/	/
33.	19110042	Sundar M	/	/	/	/	/
34.	19110045	VidhyaSagar S	/	/	/	/	/
35.	19110047	Vishnu P	/	/	/	/	/


Course Coordinator


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Medical Electronics

CERTIFICATE

This is to certify

KARTHICK K

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

SOURCE PROGRAMMING USING LINUX course from **14/07/2020** to **18/07/2020**

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

SATHYAJOTHI M

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

SOURCE PROGRAMMING USING LINUX course from **14/07/2020** to **18/07/2020**

A handwritten signature in black ink, appearing to be 'S. Sathya', written over a horizontal line.

Course Coordinator

A handwritten signature in blue ink, appearing to be 'S. Sathya', written over a horizontal line.

HOD

A handwritten signature in blue ink, appearing to be 'P. Sathya', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Medical Electronics

CERTIFICATE

This is to certify

PRIYADHARSHINI R

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

SOURCE PROGRAMMING USING LINUX course from **14/07/2020** to **18/07/2020**

A handwritten signature in blue ink, likely belonging to the Course Coordinator, positioned above a horizontal line.

Course Coordinator

A handwritten signature in blue ink, likely belonging to the Head of Department (HOD), positioned above a horizontal line.

HOD

A handwritten signature in blue ink, likely belonging to the Principal, positioned above a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Medical Electronics

CERTIFICATE

This is to certify

PRIYADHARSHINI R

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

SOURCE PROGRAMMING USING LINUX course from **14/07/2020** to **18/07/2020**

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

PRIYADHARSHINI K

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

SOURCE PROGRAMMING USING LINUX course from **14/07/2020** to **18/07/2020**

A handwritten signature in blue ink, appearing to be 'Priya', written over a horizontal line.

Course Coordinator

A handwritten signature in blue ink, appearing to be 'HOD', written over a horizontal line.

HOD

A handwritten signature in blue ink, appearing to be 'Pr', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE

20MDVC401- MATLAB PROGRAMMING

COURSE CONTENT

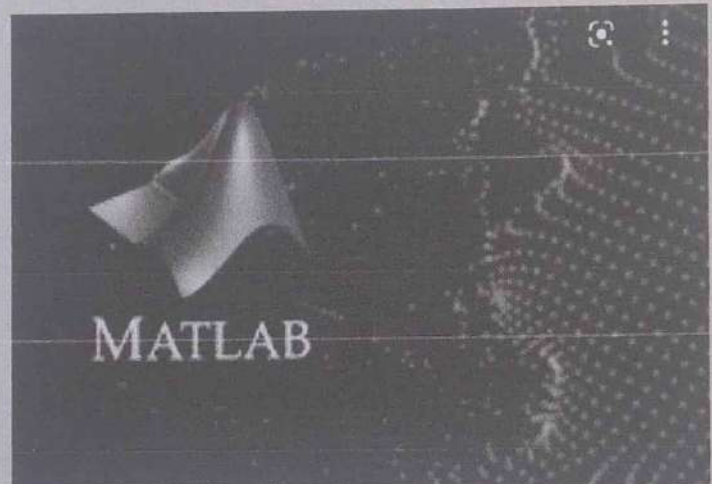
Module 1: Basics of MATLAB

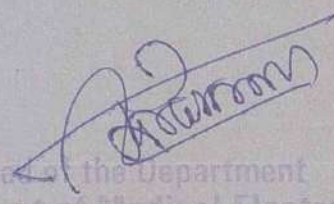
Module 2: System modeling

Module 3: Architecture Design

Module 4: Biomedical Signal And Image Processing

Module 5: Graphical User Interface




Head of the Department
Department of Medical Electronics
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018

DATE: 23.11.2020 - 27.11.2020

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Ms. S SENTHAMIL, AP/MDE



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

-DEPARTMENT OF MEDICAL ELECTRONICS

DATE:19.11.2020

CIRCULAR

It is planned to conduct Five Days Training Course on “**20MDVC401
MATLAB PROGRAMMING**” for 4th semester students from 23.11.2020 to 27.11.2020.
The interested students are asked to enroll their name to the course coordinator Ms. S
SENTHAMIL, AP/MDE on or before 21.11.2020.(Spot registration can also be
permitted).

HOD/MDE

**Head of the Department
Department of Medical Electronics
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.**

Copy to :

Notice board

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 - ComplexNumbers, User definedfunctions, Scope ; Fractals – Logistic Equation, Loops, Break and Continue, TruthStatements and LogicalIndexing ; DebuggingwithMatlab, Files I/O

UNIT IV BIOMEDICAL SIGNAL AND IMAGE PROCESSING 9

One-dimensional signal and images, Two-dimensional or eventhree- or four-dimensional data, filtering and convolution, image-processingalgorithms

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 (AUTONOMOUS)
NAMAKKAL -637 018

DEPARTMENT OF MEDICAL ELECTRONICS
ATTENDANCE SHEET

Name of the course : 20MDVC401 **MATLAB PROGRAMMING**
Name of the Programme : B.E. Medical Electronics
Year/Semester : II/IV
Duration : 23.11.2020 – 27.11.2020

S.No	Reg no.	Student Name	23.11.20	24.11.20	25.11.20	26.11.20	27.11.20
1.	19110003	Aswini A	/	/	/	/	/
2.	19110004	Atchaya M	a	a	a	/	/
3.	19110006	Bavithra R	/	/	/	/	/
4.	19110007	Devika M	/	/	/	/	/
5.	19110008	GnanaPriyadhashini	/	/	/	/	/
6.	19110009	Gogul Prasath R	/	/	/	/	/
7.	19110010	GowriShankar K	/	/	/	/	/
8.	19110012	JayaVarshini J	a	a	/	/	/
9.	19110013	Kalpana P	/	/	/	/	/
10.	19110014	Kamali M	/	/	/	/	/
11.	19110016	Karthick K	/	/	/	/	/
12.	19110017	Karthick K	/	/	/	/	/
13.	19110018	Kaviya A	/	/	/	/	/
14.	19110019	Kishore M	/	/	/	/	/
15.	19110020	Kowsalya M	a	a	/	/	/
16.	19110021	Logesh S	/	/	/	/	/
17.	19110022	MadhuMitha R	/	/	/	/	/
18.	19110023	Mahesh M	/	/	/	/	/
19.	19110024	ManojKumar S	/	/	/	/	/
20.	19110025	MariMuthu R	/	/	/	/	/
21.	19110026	MohanDoss S	/	/	/	/	/

22.	19110027	Manoj S	/	/	/	/	/
23.	19110029	Nidharshana L	a	a	a	/	/
24.	19110030	Nithya P	/	/	/	/	/
25.	19110031	PriyaDharshini K	/	/	/	/	/
26.	19110032	PriyaDharshini R	/	/	/	/	/
27.	19110034	Ragavi R	/	/	/	/	/
28.	19110037	S Ahmed F	/	/	/	/	/
29.	19110038	Saran S	/	/	/	/	/
30.	19110039	SathyaJothi M	/	/	/	/	/
31.	19110040	Seenivasan A	/	/	/	/	/
32.	19110041	SriJoshini S	/	/	/	/	/
33.	19110042	Sundar M	/	/	/	/	/
34.	19110045	VidhyaSagar S	/	/	/	/	/
35.	19110047	Vishnu P	/	/	/	/	/

J. Sathy
Course Coordinator

[Signature]
HOD
Head of the Department
Department of Medical Electronics
Paavai Engineering College
Paavai Nagar, Pachal,
Namakkal-637 018.



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Medical Electronics

CERTIFICATE

This is to certify

M.ATCHAYA

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

PROGRAMMING course from **23/11/2020** to **27/11/2020**

A handwritten signature in blue ink, appearing to be 'S. S. S.', written over a horizontal line.

Course Coordinator

A handwritten signature in blue ink, appearing to be 'S. S. S.', written over a horizontal line.

HOD

A handwritten signature in blue ink, appearing to be 'P. S. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Medical Electronics

CERTIFICATE

This is to certify

K.KARTHICK

of Paavai Engineering College, studying in **Second Year** has successfully completed the **MATLAB**
PROGRAMMING course from **23/11/2020** to **27/11/2020**

A handwritten signature in blue ink, appearing to be 'K. Karthick', written over a horizontal line.

Course Coordinator

A handwritten signature in blue ink, appearing to be 'K. Karthick', written over a horizontal line.

HOD

A handwritten signature in blue ink, appearing to be 'K. Karthick', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Medical Electronics

CERTIFICATE

This is to certify

KISHORE M

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

PROGRAMMING course from **23/11/2020** to **27/11/2020**

A handwritten signature in black ink, appearing to be 'S. S. S.', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'S. S. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S. S.', written over a horizontal line.

Principal



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 **Second Year** has successfully completed the **MATLAB**

PROGRAMMING course from **23/11/2020** to **27/11/2020**

Course Coordinator

HOD

Principal

**DEPARTMENT OF CHEMICAL
ENGINEERING**



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
INTELLECTUAL PROPERTY RIGHTS**

On JULY 27th to 31st 2020 @ 10.00 am

Venue: T - 303

D.Sreenivasan

Course Coordinator

Dr.G.Srinivasan

Head of the Department

**Dr. M. PremKumar
Principal**

All Department Faculty Members & Students

Invite you one and all



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: 21.07.2020

CIRCULAR

It is planned to conduct Six Days Training Course on "INTELLECTUAL PROPERTY RIGHTS " for third semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their name to the course coordinator D. Sreenivasan/ Chemical on or before 25.07.2020.(Spot registration can also be permitted).

Course Co-ordinator: D.Sreenivasan


HOD/CHEMICAL

Copy to :

Notice board

COURSE OBJECTIVES**To enable students to**

- learn organization and organizational behaviour
- understand the strategic innovation and technology transfer
- know about material management

COURSE OUTCOMES**Upon the completion of the course, students will be able to**

- understand the organizational behaviour
- know the technology management
- understand the material management

UNIT I ORGANISATIONAL PROCESS AND BEHAVIOUR**10**

Introduction and Meaning of Organization, Organization as a process, Span of Control, Authority, Responsibility and Accountability, Delegation of authority, Decentralization of authority, Enhancing Managerial Effectiveness through self and others. Individual Personality & Behaviour, Perception, Attitudes, Values and Aptitude.

UNIT II TECHNOLOGY MANAGEMENT**10**

Strategies & their applications in industry, Business specifications versus Technical specifications. Introduction to Strategic Innovation, Introduction to technology transfer.

UNIT III MATERIALS MANAGEMENT**10**

Definition, objectives, organization, stages, factors responsible, value analysis, Management of project materials and maintenance materials, Purchasing and vendor development. Spares strategy, warehousing, store-keeping and inventory control.

TOTAL 30HRS**TEXT BOOKS**

1. Industrial Management L. Jhamb L. C. and Jhamb S. 2012
2. S.V. Satakar, "Intellectual Property Rights and Copy Rights. EssEss Publications, New Delhi, 2002

REFERENCES

1. Deborah E. Bouchoux. "Intellectual Property: The Law of Trademarks, Copyrights, Patents and Trade Secrets", Cengage Learning. Third Edition, 2012
2. Prabuddha Ganguli, "Intellectual Property Rights: Unleashing the Knowledge Economy", McGraw hill Education, 2011

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic year: 2020 - 2021

VALUE ADDED COURSE


ATTENDANCE SHEET

Year /Semester : II / III

Name of the course : CM20VC301 - INTELLECTUAL PROPERTY RIGHTS

S.No	Reg no	Student name	27.7.20	28.7.20	29.7.20	30.7.20	31.7.20
1	19201001	ADHESHRAJ.G	/	/	/	/	/
2	19201002	AJIN.A.T	/	/	/	/	/
3	19201003	ALEX YADHITHYAN.A	/	/	/	/	/
4	19201004	ARWIND.C	A	/	/	/	/
5	19201005	ARCHANA.J	/	/	/	/	/
6	19201006	ASWIN.N	/	/	/	/	/
7	19201007	BADRINARAYANAN.A	/	/	/	/	/
8	19201008	BRUNO JOSE.B.S	/	/	A	/	/
9	19201009	DHANUSH KUMAR.S.V	/	/	/	/	/
10	19201010	DINESH KUMAR.M	/	/	/	/	/
11	19201011	DHINAGAR.B.K	/	/	/	/	/
12	19201012	EDISON.C.P	/	/	/	/	/
13	19201013	GOPI.R	/	/	/	/	/
14	19201014	GOBINATH.P	/	/	/	/	/
15	19201015	GOWTHAM.E	/	/	/	/	/
16	19201016	GUNAL.K	/	/	/	/	/
17	19201017	JAI SURIYA KUMAR.S	/	/	/	/	/
18	19201018	JAYARAJ.M	/	/	/	/	/
19	19201019	JITHIN.C.V	/	/	/	/	/
20	19201020	KARMILA DEVIE	/	/	/	/	/
21	19201021	KARTHIKEYAN.R	/	/	/	/	/
22	19201022	KAVIYARASAN.R	AB	AB	AB	AB	AB
23	19201023	LAKSITHA.B	/	/	/	/	/
24	19201024	LEENAILAMATHI.S	/	/	/	/	/
25	19201025	MADHAVAN.K	/	/	/	/	/
26	19201026	MANOJ.R	/	/	/	/	/

27	19201027	MUNEESWARAN.M	A	/	/	/	/
28	19201030	PRATHIKSHIA.K	/	/	/	/	/
29	19201031	PRATHIP KUMAR.S	/	/	/	/	/
30	19201032	PRAVEEN.G	AB	AB	AB	AB	AB
31	19201033	RAGUPATHI.P	/	/	/	/	/
32	19201034	SANJAY.S	/	/	/	/	/
33	19201035	SARAN KUMAR.J	/	/	/	/	/
34	19201036	SATHIYA PRAKASH.S	/	/	/	/	/
35	19201037	SENTHIL KUMAR.S	/	/	/	/	/
36	19201039	SRIRAM.T	/	/	/	/	/
37	19201040	UDHAYA KUMAR.P	AB	AB	AB	AB	AB
38	19201041	VEERA MANI.K	/	/	/	/	/
39	19201042	VISWAKANNAN.V	/	/	/	/	/
40	19201043	YOGARAJ.S	/	/	/	A	/


COURSE CO-ORDINATOR


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

AJINA.A.T

of Paavai Engineering College, studying in **Second Year** has successfully completed the
INTELLECTUAL PROPERTY RIGHTS course from 27.07.2020 to 31.07.2020.

A handwritten signature in black ink, appearing to be 'D. S. S.', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'G. V. V.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

SENTHIL KUMAR.S

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

INTELLECTUAL PROPERTY RIGHTS course from 27.07.2020 to 31.07.2020.

A handwritten signature in black ink, appearing to be 'D. Senthil Kumar', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'Dr. N. Senthil Kumar', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'Dr. N. Senthil Kumar', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

LAKSITHA.B

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

INTELLECTUAL PROPERTY RIGHTS course from 27.07.2020 to 31.07.2020.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

DHANUSH KUMAR S V

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

INTELLECTUAL PROPERTY RIGHTS course from 27.07.2020 to 31.07.2020.

A handwritten signature in black ink, appearing to be 'D. S. S.', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'G. V.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

GUNAL.K

of Paavai Engineering College, studying in **Second Year** has successfully completed the
INTELLECTUAL PROPERTY RIGHTS course from 27.07.2020 to 31.07.2020.

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

OIL TECHNOLOGY

On JULY 27th to 31st 2020

Venue: T-304

Mr.S.Saravanan

Course Coordinator

Dr.G.Srinivasan

Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Welcomes you one and all



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: 21.07.2020

CIRCULAR

It is planned to conduct Six Days Training Course on "OIL TECHNOLOGY" for seventh semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their name to the course coordinator Mr.S.Saravanan / Chemical on or before 25.07.2020.(Spot registration can also be permitted).

Course Co-ordinator: Mr.S.Saravanan / Chemical


HOD/CHEMICAL

Copy to :

Notice board

COURSE OBJECTIVES:

Optimization plays an important role in all engineering problem. The course introduces the student to

- To have knowledge about the Basics of Optimization.
- To estimate the Formulation of an optimization problem
- Role of constraints on the solution of an optimization problem Course Outcomes.

COURSE OUTCOMES:

At the end this course, students will be able to

- Formulate the objective function for constrained and unconstrained optimization problems
- Use different optimization strategies.
- Use of different optimization techniques for solving problems

UNIT-I VARIABLE FUNCTIONS

10

Gradient of a single variable function, gradient vector of a multi-variable function, second derivative of a single variable function, Hessian of a multi-variable function, Eigen values of a matrix, convex functions, determination of convexity of a function by Eigen values, Optimality conditions for a single-variable and multi-variable functions.

UNIT-II MULTI-VARIABLE OPTIMIZATION WITHOUT CONSTRAINTS

10

Linear programming, Simplex method to solve LP problems, duality principle and converting a LP to dual LP. Multivariable optimization methods, such as steepest descent, Newton's method and unidirectional search method. Solving two-variable optimization problems using above methods. multi-variable optimization with constraints.

UNIT-III CHEMICAL ENGINEERING OPTIMIZATION PROBLEMS

10

Chemical engineering optimization problems

TOTAL 30 HRS**TEXT BOOKS:**

1. Edgar, T.F., Himmelblau, D.M. and Lasdon L.S., "Optimization of Chemical Processes", 2nd Edition, McGraw-Hill International, 2001.
2. Kalyanmoy Deb "Optimization for Engineering Design", Prentice Hall, India, 2005.
3. Rao S.S., "Engineering Optimization-Theory and Practice", 3 Ed, New Age International Publishers, New Delhi, 1996.

REFERENCE BOOKS:

1. Arora, J.S., "Introduction to Optimum Design", 2nd Edition, Elsevier Academic Press, San Diego, USA, 2004.
2. Ravindran, A., and Ragsdell, K.M., Reklaitis, G.V., "Engineering Optimization-Methods and Applications", 2nd Edition, Wiley, New York, 2006.

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic year: 2020 – 2021

VALUE ADDED COURSE

ATTENDANCE SHEET


Year /Semester : III / V

Name of the course : CM20VC501 - OIL TECHNOLOGY

S.No	Reg no	Student name	1.7.20	2.7.20	3.7.20	4.7.20	5.7.20
1	18201002	AJAY.S	A	A	A	A	A
2	18201003	AKASH.A	/	/	/	/	/
3	18201004	ANJELIN JOSEPH	/	/	/	/	/
4	18201005	ARDHRA JEYARAJ	/	/	/	/	/
5	18201006	BOOPATHI.J	/	/	/	/	/
6	18201007	DHIVISHP	/	/	/	A	/
7	18201008	GNANASEKAR.M	/	/	/	/	/
8	18201009	JASVANTH SANJAY.R	/	/	/	/	/
9	18201010	JEEVAA.T	/	/	/	/	/
10	18201011	KARTHICK.S	/	/	/	/	/
11	18201012	KARTHIKEYAN.M	/	/	/	/	/
12	18201013	KATHIRAVAN.K	A	/	/	/	/
13	18201014	KAVIYA.R	/	/	/	/	/
14	18201015	KAYSHINI.S	/	/	/	A	/
15	18201016	MANIKANDAN.M	/	/	/	/	/
16	18201017	MANIKANDAN.R	/	/	/	/	/
17	18201019	MURALI KRISHNAN.S	/	/	/	/	/
18	18201020	MUTHU KUMAR.C	/	/	/	/	A
19	18201022	NANDHA.R	/	/	/	/	/
20	18201023	NANDHA GOPAL.K	/	A	/	/	/
21	18201024	NAVEEN KUMAR.P	/	/	/	/	/
22	18201025	NEELAKANDAN.G	/	/	/	/	/
23	18201026	NIRMAL.R	/	/	/	/	/

			27/7/20	28/7/20	29/7/20	30/7/20	31/7/20
23	18201027	PARASU.S	/	/	/	/	/
24	18201028	PRANAV PRAMOD	/	/	/	/	/
25	18201029	RAHUL.S	/	/	/	/	/
26	18201030	RAMESH.E	/	/	/	/	/
27	18201031	SAIKUMAR.G	/	/	/	/	/
28	18201032	SAKTHIVEL.P	/	/	/	/	/
29	18201033	SANTHOSH KUMAR.L	/	/	/	/	/
30	18201034	SANTHOSH KUMAR.P	/	/	/	/	/
31	18201035	SINDHU.S	AB	AB	AB	AB	AB
32	18201036	SOPIKA.M	/	/	/	/	/
33	18201037	VALLARASU.P	AB	AB	AB	AB	AB
34	18201039	VENKATESH.P	/	/	/	/	/
35	18201040	YOGESHWARAN.B	/	/	/	/	/
36	18201301	BOOPATHI.K	/	/	/	/	/
37	182010302	KISHORE KUMAR.R	/	/	/	/	/
38	18201303	NITHYA KUMAR.K	/	/	/	/	/
39	17201501	AKSHEY PETER	/	/	/	/	/
40	17201502	SABARINATHAN	/	/	/	/	/

J. Saravanan
COURSE CO-ORDINATOR


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

PARASU.S

of Paavai Engineering College, studying in **Third Year** has successfully completed the **OIL TECHNOLOGY** course from 27.07.2020 to 31.07.2020.

A handwritten signature in black ink, appearing to be 'S. Jeyaraj', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'G. V. Srinivasan', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S. Srinivasan', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

NIRMAL.R

of Paavai Engineering College, studying in Third Year has successfully completed the OIL

TECHNOLOGY course from 27.07.2020 to 31.07.2020.

A handwritten signature in black ink, appearing to be 'J. h...' followed by a flourish.

Course Coordinator

A handwritten signature in black ink, appearing to be 'G. V...' followed by a flourish.

HOD

A handwritten signature in black ink, appearing to be 'P...' followed by a flourish.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

SOPIKA.M

of Paavai Engineering College, studying in **Third Year** has successfully completed the **OIL TECHNOLOGY** course from 27.07.2020 to 31.07.2020.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

KAYSHINI.S

of Paavai Engineering College, studying in Third Year has successfully completed the OIL
TECHNOLOGY course from 27.07.2020 to 31.07.2020.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

AJAY.S

of Paavai Engineering College, studying in Third Year has successfully completed the OIL
TECHNOLOGY course from 27.07.2020 to 31.07.2020.

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
PETROCHEMICALS & PETROLEUM REFINERY
ENGINEERING**

On JULY 27th to 31st 2020 @ 10.00 am

Venue: T-308

Mr.D.Dhanaraja

Course Coordinator

Dr.G.Srinivasan

Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all



**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: 21.07.2020

CIRCULAR

It is planned to conduct Six Days Training Course on "PETROCHEMICALS & PETROLEUM REFINERY ENGINEERING" for fifth semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their name to the course coordinator Mr.D.Dhanaraja / Chemical on or before 25.07.2020.(Spot registration can also be permitted).


HOD/CHEMICAL

Copy to :

Notice board

COURSE OBJECTIVES:

To enable the students to

- To understand the knowledge about petrochemicals
- To have an idea about refinery operations
- Understand the application of manufacturing process

COURSE OUTCOMES:

At the end this course, students will be able to

- Learn the history of refinery development and composition of petroleum
- Learn the refinery products and test methods
- Recognize the characteristics of petroleum refinery process

UNIT:1 GENERAL**10**

Introduction to Origin, formation, exploration and production of crude oil Reserves and deposits in the world, Petroleum industry in India, Overall Refinery flow, Petroleum Products, Nelson complexity factor

UNIT2: REFINERY OPERATIONS**10**

Refinery Operations Lube base oil processing – solvent deasphalting, solvent aromatic extraction, solvent dewaxing, hydrofinishing, catalytic hydrotreatment and dewaxing. Blending of Products, Flash point blending, Viscosity blending, Penetration blending etc.

UNIT 3: PETROCHEMICAL MANUFACTURING PROCESSES**10**

Petrochemical manufacturing processes and Important Individual Petrochemicals Oxo synthesis, Polymerization etc. Individual Petrochemicals viz. Methanol, Urea, Acrylonitrile, Styrene, Phenol, Ethylene & Propylene oxide, Vinyl Acetate, Caprolactum, Purified Terephthalic Acid etc.

TOTAL 30 HRS**TEXT BOOKS**

1. Petrochemical Processes – Technical & Economical Characteristics – A. Chauvel & G. Lefebvre, Institute Francis Du Petrole
2. Petroleum Refining: Separation Processes, Jean-Pierre Wauquier, Pierre Trambouze, Jean-Pierre Favennec, Editions Technip, 2001

REFERENCE BOOKS:

1. Process Chemistry of Lubricant Base Stocks By Thomas R. Lynch, CRC Press, Taylor & Francis group, 2008
2. Chemistry & Technology of Lubricants, R. M. Mortier, M. F. Fox, S. T. Orszulik, Springer, 2010
6. Petroleum Refinery Engineering (4th Ed) – W. L. Nelson, McGraw-Hill

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic year: 2020 – 2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year /Semester : IV / VII

Name of the course :CM20VC701 - PETROCHEMICALS & PETROLEUM REFINERY
ENGINEERING

S.No	Reg no	Student name	27.7.20	28.7.20	29.7.20	30.7.20	31.7.20
1	17201001	ABINESH.M	A	/	/	/	/
2	17201003	ANOOP POULOSE	/	/	A	/	/
3	17201004	ANUMOL POULOSE	/	/	/	A	A
4	17201005	ARAVINDHA KUMAR M	/	/	/	/	/
5	17201006	ARUL PRAKASAM J	/	/	/	/	/
6	17201007	BALAKUMARAN N	/	/	/	/	/
7	17201008	CHANDRASEKAR N	/	/	/	/	/
8	17201009	CLINTON A	/	/	A	A	/
9	17201010	DEEBANRAJ T	/	/	/	/	/
10	17201011	DEVARAM T S	/	/	/	/	/
11	17201012	DHARSHANA N	/	/	/	A	A
12	17201014	DINESH S	/	/	/	/	/
13	17201015	DIVYA M	/	/	/	/	/
14	17201016	DURGA G	/	/	/	/	/
15	17201017	ELAVARASAN J G	/	/	/	/	/
16	17201018	ELAYARAJA R	/	/	/	/	/
17	17201019	GOKUL S	/	/	/	/	/
18	17201020	GOKULA KRISHNAN P V	/	/	/	/	/
19	17201022	GOKULAKRISHNAN M	/	/	A	/	/
20	17201023	GOWTHAMAPRABHAK ARAN S	A	A	A	A	A
21	17201024	HALITH M	/	/	/	/	/
22	17201025	HEMALATHA S	/	/	/	/	/
23	17201026	INDUMATHI M	/	/	/	/	/

24	17201027	JAHAN RAJA B S	A	/	/	/	/
25	17201028	JEEVANANTHAM G S	/	/	/	/	/
26	17201029	JIFIN JOY	/	/	/	/	/
27	17201030	KAMESH NANDHA A	/	/	/	/	/
28	17201031	KARTHIKEYAN D	A	/	/	/	/
29	17201032	KARTHIKEYAN R	/	/	/	A	/
30	17201033	KRISHNAMURTHY P	/	/	/	/	/
31	17201034	LAKSHMANAN R	/	/	/	/	/
32	17201035	MAHESHWARAN P	/	/	/	/	/
33	17201036	MANIMARAN S	/	/	/	/	/
34	17201037	MEGHA KURAIKOSE	/	/	/	/	/
35	17201038	MOHAMMED ANASH A	/	/	/	/	/
36	17201039	MUHAMMED RAFNASH A	/	/	/	/	A
37	17201040	NAVEEN KUMAR M	/	/	/	/	/
38	17201041	NITHISH P	/	/	/	/	/
39	17201042	NIVASH BABU M	/	/	/	/	/
40	17201044	POOVARAGAVAN DEEPAKRAJ K	/	A	/	/	/
41	17201045	PRADEEP M	/	/	/	/	/
42	17201047	PRASANTH R S	/	/	/	/	/
43	17201048	RAMANI KANNAN R C	/	/	/	/	/
44	17201049	RAVI G	A	A	A	A	A
45	17201052	SAIKUMAR T	/	/	/	/	/
46	17201053	SANGEETHA N	/	/	/	/	/
47	17201055	SATHISHKUMAR M	/	/	/	/	/
48	17201056	SAYANTH P S	/	/	/	/	/
49	17201057	SELVAKUMAR A	/	/	/	A	A
50	17201058	SHUHAIB AKTHAR N P	/	/	/	/	/
51	17201059	SUBASH CHANDRA BOSE	/	/	A	/	/
52	17201060	SUBRAMAN IYAN K	/	/	/	/	/
53	17201061	SURESH S	/	/	/	/	/
54	17201062	THIRUMURUGAN R	/	/	/	/	/
55	17201063	VIGNESH J	/	/	/	/	/


COURSE CO-ORDINATOR


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

CHANDRASEKAR.N

of Paavai Engineering College, studying in **Final Year** has successfully completed the
PETROCHEMICALS & PETROLEUM REFINERY ENGINEERING course from 27.07.2020 to 31.07.2020.

A handwritten signature in black ink, appearing to read 'D. Dharmaraj', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to read 'G. Varadachari', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to read 'P. S. Sankaranarayanan', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

PRADEEP.M

of Paavai Engineering College, studying in **Final Year** has successfully completed the
PETROCHEMICALS & PETROLEUM REFINERY ENGINEERING course from 27.07.2020 to 31.07.2020.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

SANGEETHA.N

of Paavai Engineering College, studying in Final Year has successfully completed the
PETROCHEMICALS & PETROLEUM REFINERY ENGINEERING course from 27.07.2020 to 31.07.2020.

A handwritten signature in black ink, appearing to be 'D. Dhanya', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'G. V. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. V.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

INDUMATHI.M

of Paavai Engineering College, studying in Final Year has successfully completed the
PETROCHEMICALS & PETROLEUM REFINERY ENGINEERING course from 27.07.2020 to 31.07.2020.

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
PHARMACEUTICAL AND FINE CHEMICAL
TECHNOLOGY**

On FEBRUARY 1st to 5th 2020

Venue:T-303

Mr.M.Mohan kuppusamy

Course Coordinator

Dr.G.Srinivasan

Head of the Department

**Dr. M. PremKumar
Principal**

All Department Faculty Members & Students

Invite you one and all



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

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DEPARTMENT OF CHEMICAL ENGINEERING

DATE: 23.01.2020

CIRCULAR

It is planned to conduct Six Days Training Course on "PHARMACEUTICAL AND FINE CHEMICAL TECHNOLOGY" for sixth semester students from 01.02.2020 to 05.02.2020. The interested students are asked to enroll their name to the course coordinator Mr. M.Mohan Kuppusamy on or before 27.01.2020.(Spot registration can also be permitted).

Course Co-ordinator: Mr.M.Mohan Kuppusamy / Chemical


HOD/CHEMICAL

Copy to :

Notice board

CM20VC401

PHARMACEUTICAL AND FINE CHEMICAL TECHNOLOGY

COURSE OBJECTIVES:

To enable the students to

- To understand the concept of drugs and cosmetics
- To design the manufacturing techniques of drugs
- Understand the concept of fermentation technology reactors

COURSE OUTCOMES:

At the end this course, students will be able to

- Understand the importance of drug design and different techniques of drug design
- Understand the chemistry of drugs with respect to their biological activity
- Know the metabolism, adverse effects and therapeutic value of drugs

UNIT I: INTRODUCTION TO DRUGS AND COSMETICS

10

Quality Assurance & Regulatory Affairs Drugs and Cosmetics acts and rules, Responsibilities of regulatory authorities, International patent regulation. ICH guidelines. GMP regulations; Air and water handling system, CGMP – Status and regulations.

UNIT II: MANUFACTURING TECHNIQUES

10

Manufacturing techniques and formulation of liquid and sterile dosage forms and aerosol preparations. Testing techniques and compliance for sterile dosage forms and aerosols. Machinery requirements.

UNIT III: FERMENTATION TECHNOLOGY AND REACTOR

10

Pharmaceuticals from cellular origin, examples and applications. Principles of fermentation Technology and reactor design. Antibiotics manufacturing in fermentation and 63 semi-synthetic pathways. Examples for fermentative production of alcohols, vitamins, dextrans, probiotics and food products.

TOTAL 30 HRS

TEXT BOOKS:

1. Quality Assurance of Pharmaceuticals Volume I, Volume published by WHO
http://www.who.int/medicines/areas/quality_safety/quality_assurance/QualityAssurancePhar
2. WHO Technical Reports; TRS 992, TRS 986.
www.who.int/biologicals/technical_report_series

REFERENCE BOOKS:

1. Analytical Method Development and Validation, Michael E. Swartz, Ira S. Krul, Marcel Dekker Inc, NY, 1997
2. Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems, Loyd Allen and Howard C. Ansel, Lippincott Williams & Wilkins, 2013.

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic year: 2020 – 2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year /Semester : II / IV

Name of the course : CM20VC401- PHARMACEUTICAL AND FINE CHEMICAL TECHNOLOGY

S.No	Reg no	Student name	1.2.20	2.2.20	3.2.20	4.2.20	5.2.20
1	19201001	ADHESHRAJ.G	/	/	/	/	/
2	19201002	AJIN.A.T	/	/	/	a	/
3	19201003	ALEX YADHITHYAN.A	/	/	/	/	/
4	19201004	ARWIND.C	/	/	/	/	a
5	19201005	ARCHANA.J	/	/	/	/	/
6	19201006	ASWIN.N	/	/	/	/	/
7	19201007	BADRINARAYANAN.A	a	a	a	a	a
8	19201008	BRUNO JOSE.B.S	/	/	/	/	/
9	19201009	DHANUSH KUMAR.S.V	/	/	/	/	/
10	19201010	DINESH KUMAR.M	/	/	/	/	/
11	19201011	DHINAGAR.B.K	/	/	/	/	/
12	19201012	EDISON.C.P	/	/	/	/	/
13	19201013	GOPI.R	/	/	/	/	/
14	19201014	GOBINATH.P	/	/	/	/	/
15	19201015	GOWTHAM.E	/	a	/	/	/
16	19201016	GUNAL.K	/	/	/	/	/
17	19201018	JAYARAJ.M	/	/	/	/	/
18	19201019	JITHIN.C.V	a	a	a	a	a
19	19201020	KARMILA DEVIE	/	/	/	/	/
20	19201021	KARTHIKEYAN.R	/	/	/	/	/
21	19201022	KAVIYARASAN.R	/	/	/	/	a
22	19201023	LAKSITHA.B	/	/	/	/	/
23	19201024	LEENAILAMATHI.S	/	/	/	/	/
24	19201025	MADHAVAN.K	/	/	/	/	/



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

KARMILA DEVI.E

of Paavai Engineering College, studying in **Second Year** has successfully completed the
PHARMACEUTICAL AND FINE CHEMICAL TECHNOLOGY course from 01.02.2020 to 05.02.2020.

A handwritten signature in black ink, appearing to read 'M. Muthu'.

Course Coordinator

A handwritten signature in black ink, appearing to read 'G. V. Srinivasan'.

HOD

A handwritten signature in black ink, appearing to read 'P. S. Srinivasan'.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

GOPI.R

of Paavai Engineering College, studying in **Second Year** has successfully completed the
PHARMACEUTICAL AND FINE CHEMICAL TECHNOLOGY course from 01.02.2020 to 05.02.2020.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

ADHESHRAJ.G

of Paavai Engineering College, studying in Second Year has successfully completed the
PHARMACEUTICAL AND FINE CHEMICAL TECHNOLOGY course from 01.02.2020 to 05.02.2020.

A handwritten signature in black ink, appearing to read 'M. Muthu', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to read 'G. V. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to read 'P. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

ASWIN.N

of Paavai Engineering College, studying in **Second Year** has successfully completed the
PHARMACEUTICAL AND FINE CHEMICAL TECHNOLOGY course from 01.02.2020 to 05.02.2020.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

PRATHIKSHA.K

of Paavai Engineering College, studying in **Second Year** has successfully completed the
PHARMACEUTICAL AND FINE CHEMICAL TECHNOLOGY course from 01.02.2020 to 05.02.2020.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Namakkal-637018

DEPARTMENT OF CHEMICAL ENGINEERING

CORDIALLY INVITE YOU TO THE VALUE ADDED COURSE ON OPTIMIZATION OF CHEMICAL PROCESSES

On FEBRUARY 1st to 5th 2020 @ 10.00 am

Venue: T-304

Dr.G.Srinivasan

Course Coordinator

Dr.G.Srinivasan

Head of the Department

**Dr. M. PremKumar
Principal**

All Department Faculty Members & Students

Welcomes you one and all



**PAAVAI ENGINEERING COLLEGE
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Accredited by NBA, New Delhi and NAAC with "A" Grade

DEPARTMENT OF CHEMICAL ENGINEERING

DATE: 23.01.2020

CIRCULAR

It is planned to conduct Six Days Training Course on **OPTIMIZATION OF CHEMICAL PROCESSES** for Fourth semester students from 01.02.2020 to 05.02.2020. The interested students are asked to enroll their name to the course coordinator Dr.G. Srinivasan/ Chemical on or before 27.01.2020(Spot registration can also be permitted).

Course Co-ordinator: Dr.G.Srinivasan


HOD/CHEMICAL

Copy to :

Notice board

COURSE OBJECTIVES:

To enable the students to

- To understand the concept of oil technology
- To estimate determination of soaps and detergents
- Understand the principle and application of polymerization

COURSE OUTCOMES:

At the end this course, students will be able to

- Have knowledge about methods for exploration development and production of oil and gas field
- Be able to contribute to planning for field development and operation
- Understand the principle and application of chemistry & technology of paints

UNIT 1: TECHNOLOGY OF SOAPS AND SYNTHETIC DETERGENTS 10

Definitions of soaps & detergents and their classifications; Present status of soap and detergent industries; Raw materials for soap industry and their selection; Kinetics and Phase reactions in soap boiling.

UNIT II : CHEMISTRY & TECHNOLOGY OF PAINTS AND PAINT ADDITIVES 10

Pigments & Extenders Technology of natural resins; rosin, copal, damar, shellac, asphalts, pitches, bitumens, their modifications. Technology of phenolic, maleic, coumarone-indene, and petroleum resins, CNSL and BNSL.

UNIT:III METHODS OF DIFFERENT POLYMERIZATION SYSTEMS 10

Methods of different polymerization systems, viz., bulk, solution, suspension and emulsion and their mechanisms Kinetics of Emulsion Polymerization, Suspension Polymerization, Ionic Polymerization and Methods of Determination of Polymer Molecular Weight, Gel Permeation Chromatography.

TOTAL 30 HRS

REFERENCE BOOKS :

1. Surface Active Agents and Detergents - Schwartz & Perry
2. Gemini Surfactants - Raoul Zana&Jiding Xia

TEXT BOOKS:

1. Surfactants and Interfacial Phenomena - Milton J. Rosen & Joy T. Kunjappu62
Macromolecules, an introduction to polymer science, F. A. Bovey and F. H. Winslow
2. Handbook of Surfactant Analysis - Chemical, Physico-chemical and Physical Methods -
Dietrich O. Hummel

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic year: 2020 – 2021

VALUE ADDED COURSE

ATTENDANCE SHEET/


Year /Semester : III / VI

Name of the course : CM20VC601- OPTIMIZATION OF CHEMICAL PROCESSES

S.No	Reg no	Student name	1/2/2020	2/2/2020	3/2/2020	4/2/2020	5/2/2020
1	18201002	AJAY.S	/	/	/	/	/
2	18201003	AKASH.A	/	/	/	/	/
3	18201004	ANJELIN JOSEPH	a	a	a	a	a
4	18201005	ARDHRA JEYARAJ	/	/	/	/	/
5	18201006	BOOPATHI.J	/	/	/	/	/
6	18201007	DHIVISH.P	/	/	/	/	/
7	18201008	GNANASEKAR.M	/	/	/	/	/
8	18201009	JASVANTH SANJAY.R	/	/	/	/	/
9	18201010	JEEVAA.T	/	/	/	/	/
10	18201011	KARTHICK.S	a	a	a	a	a
11	18201012	KARTHIKEYAN.M	/	/	/	/	/
12	18201013	KATHIRAVAN.K	/	/	/	/	/
13	18201014	KAVIYA.R	/	/	/	/	/
14	18201015	KAYSHINI.S	/	/	/	/	/
15	18201016	MANIKANDAN.M	/	/	/	/	/
16	18201017	MANIKANDAN.R	a	a	a	a	a
17	18201019	MURALI KRISHNAN.S	/	/	/	/	/
18	18201020	MUTHU KUMAR.C	/	/	/	/	/
19	18201022	NANDHA.R	/	a	/	/	/
20	18201023	NANDHA GOPAL.K	/	/	/	/	/
21	18201024	NAVEEN KUMAR.P	/	/	/	/	/
22	18201025	NEELAKANDAN.G	/	/	/	/	/
23	18201026	NIRMAL.R	/	/	/	a	/
23	18201027	PARASU.S	/	/	/	/	/
24	18201028	PRANAV PRAMOD	/	/	/	/	/
25	18201029	RAHUL.S	/	/	/	/	/
26	18201030	RAMESH.E	/	/	/	a	a

27	18201031	SAIKUMAR.G	/	/	/	/	/
28	18201032	SAKTHIVEL.P	a	a	a	a	a
29	18201033	SANTHOSH KUMAR.L	/	/	/	/	/
30	18201034	SANTHOSH KUMAR.P	/	/	/	/	/
31	18201035	SINDHU.S	/	/	/	/	/
32	18201036	SOPIKA.M	/	/	/	/	/
33	18201037	VALLARASU.P	/	/	/	/	/
34	18201039	VENKATESH.P	/	/	/	/	/
35	18201040	YOGESHWARAN.B	/	/	/	/	/
36	18201301	BOOPATHI.K	a	a	a	a	a
37	18201302	KISHORE KUMAR.R	/	/	/	/	/
38	18201303	NITHYA KUMAR.K	/	/	/	/	/
39	17201501	AKSHEY PETER	/	/	/	/	/
40	17201502	SABARINATHAN	/	/	a	/	a


COURSE CO-ORDINATOR


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

SANTHOSH KUMAR L

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

OPTIMIZATION OF CHEMICAL PROCESSES course from 01.02.2020 to 05.02.2020 ,

A handwritten signature in black ink, appearing to be 'G. V. ...', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'G. V. ...', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. ...', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

KAVYA.R

of Paavai Engineering College, studying in Third Year has successfully completed the
OPTIMIZATION OF CHEMICAL PROCESSES course from 01.02.2020 to 05.02.2020 .

A handwritten signature in black ink, appearing to be 'G. V. ...', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'G. V. ...', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. ...', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

AKASH.A

of Paavai Engineering College, studying in Third Year has successfully completed the course from

OPTIMIZATION OF CHEMICAL PROCESSES 01.02.2020 to 05.02.2020 .

A handwritten signature in black ink, appearing to be 'G. V. Srinivasan', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'G. V. Srinivasan', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. Srinivasan', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

SINDHU.S

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

OPTIMIZATION OF CHEMICAL PROCESSES course from 01.02.2020 to 05.02.2020 ,

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

YOGESHWARAN.B

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

OPTIMIZATION OF CHEMICAL PROCESSES course from 01.02.2020 to 05.02.2020 .

A handwritten signature in black ink, appearing to be 'G. V. ...', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'G. V. ...', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. ...', written over a horizontal line.

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
CUSTOMER RELATIONSHIP MANAGEMENT**

On FEBRUARY 1st to 5th 2020 @ 10.00 am

Venue: T-308

Ms.C.Manisha

Course Coordinator

Dr.G.Srinivasan

Head of the Department

**Dr. M. PremKumar
Principal**

All Department Faculty Members & Students

Invites you all



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: 23.01.2020

CIRCULAR

It is planned to conduct Six Days Training Course on "CUSTOMER RELATIONSHIP MANAGEMENT" for eighth semester students from 01.02.2020 to 05.02.2020. The interested students are asked to enroll their name to the course coordinator C.Manisha/ Chemical on or before 27.01.2020.(Spot registration can also be permitted).

Course Co-ordinator: C.Manisha / Chemical


HOD/CHEMICAL

Copy to :

Notice board

COURSE OBJECTIVES:

To enable the students to

- Apply the concept of CRM, the benefits delivered by CRM, the contexts in which it is used, the technologies that are deployed and how it can be implemented.
- Implement various technological tools for data mining and also successful implementation of CRM in the Organizations
- Design customer relationship management strategies by understanding customers' preferences for the long-term sustainability of the Organizations.

COURSE OUTCOMES:

At the end this course, students will be able to

- Understand the basic concept of customer relationship management
- To understand the marketing aspects of customer relationship management
- Understand the basic operations of relationship management

UNIT:1 EMERGING CONCEPTS IN CUSTOMER RELATIONSHIP MANAGEMENT 10

CRM Definition, Need and Importance : Conceptual Framework of Customer Relationship Management ; The Value Pyramid , Customer Interaction Cycle , Customer Profiling and Total Customer Experience, Goals of a CRM Strategy and Obstacles.

UNIT:2 CUSTOMER LIFE CYCLE MANAGEMENT 10

Technological Tools for CRM and Implementation ,Data Mining for CRM - Some Relevant Issues ; Changing Patterns of e-CRM Solutions in the Future; Structuring a Customer Focused IT Organization to Support CRM; Organizational Framework for Deploying Customer Relationship; measuring profitability CRM implementation.

UNIT: 3 STATUS OF CUSTOMER RELATIONSHIP MANAGEMENT 10

Status of Customer Relationship Management in service industry in India; Relevance of CRM for Hospital Services; Customer Relationship Management in Banking and Financial Services; CRM in Insurance Sector,.

TOTAL 30 HRS

TEXT BOOK

- 1.Jagdish N Sheth, ParvatiyarAtul, G Shainesh, Customer Relationship Management: Emerging Concepts, Tools and Applications, 1st Edition, Tata McGraw Hill, June 2008
- 2.Customer Centricity –Focus on right customer for strategic advantage, by Peter Fader, Wharton Digital Press, 2012

REFERENCE BOOKS

1. Judith W .Kincaid , Customer Relationship Management Getting it Right, Pearson Education

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic year: 2020 – 2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year /Semester : IV / VIII

Name of the course :CM20VC801 - CUSTOMER RELATIONSHIP MANAGEMENT

S.No	Reg no	Student name	1-2-20	2-2-20	3-2-20	4-2-20	5-2-20
1	17201001	ABINESH.M	/	/	/	/	/
2	17201003	ANOOP POULOSE	/	/	/	/	/
3	17201004	ANUMOL POULOSE	/	/	/	/	/
4	17201005	ARAVINDHA KUMAR M	/	/	/	/	/
5	17201006	ARUL PRAKASAM J	/	/	/	/	/
6	17201007	BALAKUMARAN N	/	/	/	/	/
7	17201008	CHANDRASEKAR N	/	/	/	/	/
8	17201009	CLINTON A	A	/	/	/	/
9	17201010	DEEBANRAJ T	/	/	/	/	/
10	17201011	DEVARAM T S	/	/	/	/	/
11	17201012	DHARSHANA N	/	/	/	A	/
12	17201014	DINESH S	/	/	/	/	/
13	17201015	DIVYA M	/	/	/	/	/
14	17201016	DURGA G	A	A	A	A	A
15	17201017	ELAVARASAN J G	/	/	/	/	/
16	17201018	ELAYARAJA R	/	/	/	/	/
17	17201019	GOKUL S	/	/	/	/	/
18	17201020	GOKULA KRISHNAN P V	/	A	/	/	/
19	17201022	GOKULAKRISHNAN M	/	/	/	/	/
20	17201023	GOWTHAMAPRABHAKARAN S	/	/	/	/	/
21	17201024	HALITH M	/	/	/	/	/
22	17201025	HEMALATHA S	A	A	A	A	A
23	17201026	INDUMATHI M	/	/	/	/	/
24	17201027	JAHAN RAJA B S	/	/	/	A	/
25	17201028	JEEVANANTHAM G S	/	/	/	/	/
26	17201029	JIFIN JOY	/	A	/	/	/

27	17201030	KAMESH NANDHA A	/	/	/	/	/
28	17201031	KARTHIKEYAN D	A	/	/	/	/
29	17201032	KARTHIKEYAN R	/	/	/	/	/
30	17201033	KRISHNAMURTHY P	/	/	/	A	/
31	17201034	LAKSHMANAN R	/	/	/	/	/
32	17201035	MAHESHWARAN P	/	/	/	/	/
33	17201036	MANIMARAN S	/	/	/	/	/
34	17201037	MEGHA KURAIKOSE	A	A	A	A	A
35	17201038	MOHAMMED ANASH A	/	/	/	/	/
36	17201039	MUHAMMED RAFNASH A	/	/	/	/	/
37	17201040	NAVEEN KUMAR M	/	/	/	/	/
38	17201041	NITHISH P	/	/	/	/	/
39	17201042	NIVASH BABU M	/	/	/	/	/
40	17201044	POOVARAGAVAN DEEPAKRAJ K	A	/	/	/	/
41	17201045	PRADEEP M	/	/	/	/	/
42	17201047	PRASANTH R S	/	/	/	A	/
43	17201048	RAMANI KANNAN R C	/	/	/	/	/
44	17201049	RAVI G	/	/	/	/	/
45	17201052	SAIKUMAR T	/	/	/	/	/
46	17201053	SANGEETHA N	A	A	A	A	A
47	17201055	SATHISHKUMAR M	/	/	/	/	/
48	17201056	SAYANTH P S	/	/	/	/	/
49	17201057	SELVAKUMAR A	/	/	/	/	/
50	17201058	SHUHAIB AKTHAR N P	/	A	/	/	/
51	17201059	SUBASH CHANDRA BOSE	/	/	/	/	/
52	17201060	SUBRAMAN IYAN K	/	/	/	/	/
53	17201061	SURESH S	/	/	/	A	/
54	17201062	THIRUMURUGAN R	/	/	/	/	/
55	17201063	VIGNESH J	/	/	/	/	/


COURSE CO-ORDINATOR


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

DURGA.G

of Paavai Engineering College, studying in **Final Year** has successfully completed the **CUSTOMER
RELATIONSHIP MANAGEMENT** course from 01.02.2020 to 05.02.2020.

A handwritten signature in black ink, appearing to read 'C. Mahalingam'.

Course Coordinator

A handwritten signature in black ink, appearing to read 'G. V. Srinivasan'.

HOD

A handwritten signature in black ink, appearing to read 'P. S. Srinivasan'.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

DINESH.S

of Paavai Engineering College, studying in Final Year has successfully completed the CUSTOMER

RELATIONSHIP MANAGEMENT course from 01.02.2020 to 05.02.2020.

A handwritten signature in black ink, appearing to read 'C. Mah.', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to read 'G. V. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to read 'P. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

RAVI.G

of Paavai Engineering College, studying in **Final Year** has successfully completed the **CUSTOMER
RELATIONSHIP MANAGEMENT** course from 01.02.2020 to 05.02.2020.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

ABINESH.M

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

RELATIONSHIP MANAGEMENT course from 01.02.2020 to 05.02.2020.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

SANGEETHA.N

of Paavai Engineering College, studying in Final Year has successfully completed the CUSTOMER
RELATIONSHIP MANAGEMENT course from 01.02.2020 to 05.02.2020.

Course Coordinator

HOD

Principal

**DEPARTMENT OF INFORMATION
TECHNOLOGY**



PAAVAI ENGINEERING COLLEGE

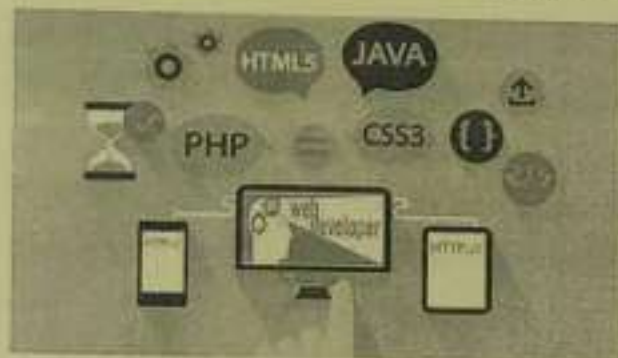
(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

20ITVC301 & ADVANCED WEB DEVELOPMENT

Advanced Web Development course is a complete training which provides the learners all the important necessary techniques and tools of web development with a wide range of practices in the coding of web application functionalities. With the advancement of internet technology, there is an increased demand for search engine-friendly web pages.



COURSE CONTENT

- Working with data
- Web services
- Component based programming

INTENDED AUDIENCE:

- II Year of B.E/B.Tech Students

Date: 27.07.20 to 31.07.20

Venue: Online (Microsoft teams)

COURSE COORDINATORS

1. Dr.G.MADASAMY RAJA,ASP/IT

2. P.ANITHA,AP/IT



.PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY


DATE: 21.07.2020

CIRCULAR

It is planned to conduct Five Days Value Added Course on "ADVANCED WEB DEVELOPMENT" for Third semester students from 27.07.20 to 31.07.20. The interested students are asked to enroll their names to the course coordinator P.ANITHA,AP/IT on or before 27.07.20.

Course Coordinators: 1. Dr.G.MADASAMY RAJA, ASP/IT

2. P.ANITHA, AP/IT


HOD/IT

Copy to:

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COURSE OBJECTIVES

To enable the students to

- Enrich knowledge about HTML control and web control classes
- Provide depth knowledge about ADO.NET
- Understand the need of usability, evaluation methods for web services

UNIT – I Working with Data

Overview of ADO.NET - ADO.NET and data management- Characteristics of ADO.NET- ADO.NET object model. ADO.NET data access SQL basics- Select , Update, Insert, Delete statements- Accessing data- Creating a connection- Using a command with a Data Reader - Accessing Disconnected data - Selecting multiple tables – Updating Disconnected data. Databinding Single value Data Binding- Repeated value data binding- Data binding with data bases. Data list – Data grid – Repeater – Files, Streams and Email – Using XML

UNIT – II Web Services

Web services Architecture Internet programming then and now-WSDL-SOAP- Communicating with a web service-Web service discovery and UDDI.Creating Web services Web service basics- The Stock Quote web service –Documenting the web service- Testing the web service- Web service Data types- ASP.NET intrinsic objects. Using web services Consuming a web service- Using the proxy class- An example with Terra Service.

UNIT – III

Component Based Programming Creating a simple component – Properties and state-Database components- Using COM components. Custom controls User Controls- Deriving Custom controls. Caching and Performance Tuning Designing and scalability– Profiling- Catching- Output catching- Data catching. Implementing security determining security requirements- The ASP.NET security model- Forms authentication- Windows authentication.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Recognize the importance of validation control, cookies and session.
- Apply the knowledge of ASP.NET object, ADO.NET data access and SQL to develop a client server model.
- Recognize the difference between Data list and Data grid controls in accessing data.

TEXT BOOKS

1. Mathew Mac Donald, "ASP.NET Complete Reference", TMH 2005.

REFERENCES

1. Crouch Matt J, "ASP.NET and VB.NET Web Programming", Addison Wesley 2002.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

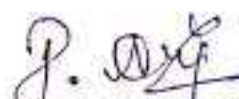
Year/Semester : II/III

Name of the course: 20ITVC301- ADVANCED WEB DEVELOPMENT

S.No	Register No	Student Name	27/7/20	28/7/20	29/7/20	30/7/20	31/7/20
1.	19202001	ALEN.A	/	/	/	/	/
2.	19202002	AMULYA.V	/	/	/	/	/
3.	19202003	ANBARASAN.N	/	/	/	/	/
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	A	A	A	A	A
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	/	/	/	/	/
18.	19202019	HERAMBHA PRASATH.S	/	/	/	/	/

S.No	Register No	Student Name	21/7/20	28/7/20	29/7/20	30/7/20	31/7/20
19.	19202020	JAYAGANESH.K	/	/	/	/	/
20.	19202021	KABILASH BALAJI.M	/	/	/	/	/
21.	19202022	KING DINAKARAN.R.K	/	/	/	/	/
22.	19202023	KISHORE.M	A	A	A	A	A
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	/	/	/	/	/
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	A	A	A	A	A
41.	19202043	PREMKUMAR.J	A	A	A	A	A
42.	19202044	RAGHUL.N	/	/	/	/	/
43.	19202045	RAVEENA.M	/	/	/	/	/

S.No	Register No	Student Name	27/7/20	28/7/20	29/7/20	30/7/20	31/7/20
44.	19202046	RISHI KESHWAR	/	/	/	/	/
45.	19202047	SANJAY.R.S	/	/	/	/	/
46.	19202049	SATHISHKUMAR.S	/	/	/	/	/
47.	19202050	SATHYAA.B.B.	/	/	/	/	/
48.	19202051	SIDDARTH.M	/	/	/	/	/
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	A	A	A	A	A
56.	19202059	VEERA RAGAVAN.G	/	/	/	/	/
57.	19202060	VENKATESH.S	/	/	/	/	/
58.	19202061	VIGNESH.S	/	/	/	/	/
59.	19202062	VIGNESHWARAN.P	/	/	/	/	/
60.	19202063	YOGALAKSHMI.S	/	/	/	/	/
61.	19202301	KARTHICK.S	A	A	A	A	A


 Course Coordinator



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

RAVEENA.M

of Paavai Engineering College, studying in Second year has successfully completed the value added course

"ADVANCED WEB DEVELOPMENT" the duration of the course is 30 hours (27.7.2020 to 31.7.2020)

A handwritten signature in black ink, appearing to be 'S. M. B.', written over a horizontal line.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. V.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

NAVEEN.E

of Paavai Engineering College, studying in Second year has successfully completed the value added course
"ADVANCED WEB DEVELOPMENT" the duration of the course is 30 hours (27.7.2020 to 31.7.2020)

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

MUGUNTHAN.R

of Paavai Engineering College, studying in Second year has successfully completed the value added course
“ADVANCED WEB DEVELOPMENT” the duration of the course is 30 hours (27.7.2020 to 31.7.2020)

A handwritten signature in black ink, appearing to be 'S. M. B.' followed by a stylized flourish.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. V.' followed by a stylized flourish.

HOD

A handwritten signature in black ink, appearing to be 'P.' followed by a stylized flourish.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

MANO RANJANI.S

of Paavai Engineering College, studying in Second year has successfully completed the value added course
"ADVANCED WEB DEVELOPMENT" the duration of the course is 30 hours (27.7.2020 to 31.7.2020)

A handwritten signature in black ink, appearing to be 'S. M. B.' followed by a stylized flourish.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. V.' followed by a stylized flourish.

HOD

A handwritten signature in black ink, appearing to be 'P.' followed by a stylized flourish.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

ELUMALAI.S

of Paavai Engineering College, studying in Second year has successfully completed the value added course
"ADVANCED WEB DEVELOPMENT" the duration of the course is 30 hours (27.7.2020 to 31.7.2020)

A handwritten signature in black ink, appearing to be 'S.M.B.', written over a horizontal line.

Course coordinator

A handwritten signature in black ink, appearing to be 'B.V.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

20ITVC401 & BASICS OF ROBOTICS

Robotics is a sub-domain of engineering and science that includes mechanical engineering, electrical engineering, computer science, and others. Robotics deals with the design, construction, operation, and use of robots and computer systems for their control, sensory feedback, and information processing.

Robot Features

- 1. Mobility
- 2. Sensing
- 3. Manipulation
- 4. Navigation
- 5. Reasoning
- 6. Planning
- 7. Learning
- 8. Control
- 9. Communication



COURSE CONTENT

- Fundamentals of Robots
- Introduction to Robot and Effectors, Sensors and Control system
- Robot Programming Applications

INTENDED AUDIENCE:

- II Year of B.E/B.Tech Students

Date: 01.02.21 to 05.02.21

Venue: Online(Microsoft teams)

COURSE COORDINATORS

1. M.PUSHPALATHA, ASP/IT
2. Dr.P.THIVYAGARAJAN, AP(SG)/IT



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 21.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "BASICS OF ROBOTICS" for Fourth semester students from 01.02.21 to 05.02.21. The interested students are asked to enroll their names to the course coordinator M.PUSHPALATHA, ASP/IT on or before 01.02.21.

Course Coordinators: 1. M.PUSHPALATHA, ASP/IT

2. Dr.P.THIVAGARAJAN, AP(SG)/IT

HOD/IT

Copy to:

Notice board

COURSE OBJECTIVES

To enable the students to

- Know about the Fundamentals of Robots.
- Acquire knowledge about Design Sensors, Control System.
- study the various robot programming languages and Applications .

UNIT – I Fundamentals of Robots

Definition - Historical background - Various generations of robots -Robot Anatomy - Robot configuration: Polar, Cylindrical, Cartesian coordinate, Joint-arm configuration - Degree of freedom - Work volume and Dead zone - Dynamic performance: Speed of response and Stability - Precision of movement: Spatial Resolution, Accuracy, Repeatability and Compliance. Robot Drive System: Hydraulic, Electric and Pneumatic.

UNIT – II Introduction to Robot End Effectors, Sensors and Control System

End Effectors: Characteristic features - Types: Mechanical grippers, Magnetic grippers, Vacuum cups, Adhesive gripper, Hooks and Scoops -Tools as end effectors - Robot / End- effectors interface - Consideration in Gripper selection and Design Sensors: Transducers and Sensors - Sensors in Robotics: Tactile, Proximity and Range Sensors, Miscellaneous sensors and sensor based systems -Robot Vision System. Control System: Lead-through Programming, Walk-through Programming, Use of Teach pendants - Capabilities and limitations.

UNIT – III Robot Programming and Applications

Robot Programming: Textural Programming: requirements of robot programming language, problems pertaining to robot programming languages, Common languages/Software used- - Robot program as a path in space. Applications: Factors influencing the selection of Robots -Robots for Materials handling, Assembly, Agriculture and Chemical Plants - Advanced applications. Intelligent Robots - Introduction to Mobile Robots, Legged Robots and Remote Controlled Robots, Automated Guided Robots, Micro Robots -Control and SafetyIssues

COURSE OUTCOMES

To enable the students to

- Understand about the Fundamentals of Robots.
- Design and analyze about Design Sensors, Control System.
- Identify the various robot programming languages and implement its Applications

TEXT BOOKS

1. Groover, M.P., Automation, Production Systems, and Computer-Integrated Manufacturing, Prentice-Hall of India Private Limited, New Delhi, 2007

REFERENCES

1. Deb, "Robotics Technology and Flexible Automation", Tata McGraw Hill, 1994.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/IV

Name of the course: 20ITVC401- BASICS OF ROBOTICS

S.No	Register No	Student Name	01/2/21	02/2/21	03/2/21	04/2/21	05/2/21
1.	19202001	ALEN.A	/	/	/	/	/
2.	19202002	AMULYA.V	/	/	/	/	/
3.	19202003	ANBARASAN.N	/	/	/	/	/
4.	19202004	ARIVUSELVAN.M	/	/	/	/	/
5.	19202005	ARUN.V	/	/	/	/	/
6.	19202006	BALAJI.V.M	/	/	/	ab	/
7.	19202007	BHUVANESHWARAN.P	/	/	/	/	/
8.	19202008	CHARU LATHA.R	/	/	/	/	/
9.	19202009	DHARUN KUMAR.S	/	/	/	/	/
10.	19202010	DINESH KUMAR.V	/	/	/	/	/
11.	19202011	DINESH RAGUL.S	/	/	/	/	/
12.	19202012	ELUMALALS	/	/	/	/	/
13.	19202013	EZHUMALALM	/	/	/	/	/
14.	19202014	GOKULAKANNAN.M	/	/	/	/	/
15.	19202015	GOKULAVANAN.P	ab	ab	ab	ab	ab
16.	19202017	HARIPRASTH.P	/	/	/	/	/
17.	19202018	HEMKANTH.P	/	/	/	/	/
18.	19202019	HERAMBHA PRASATH.S	/	/	/	/	/

S.No	Register No	Student Name	01/2/21	02/2/21	03/2/21	04/2/21	05/2/21
19.	19202020	JAYAGANESH.K	/	/	/	/	/
20.	19202021	KABILASH BALAJI.M	/	/	/	/	/
21.	19202022	KING DINAKARAN.R.K	/	/	/	/	/
22.	19202023	KISHORE.M	/	/	/	/	/
23.	19202024	LOGESH.R	/	/	/	/	/
24.	19202025	LOGESHWARAN.M	/	/	/	/	/
25.	19202026	LOGESHWARAN.S	ab	ab	ab	ab	ab
26.	19202027	MANO RANJANIS	/	/	/	/	/
27.	19202028	MITHRA.M	/	/	/	/	/
28.	19202029	MOHAMMED RIYAZ.A	/	/	/	/	/
29.	19202030	MONIKA.K.E	/	/	/	/	/
30.	19202031	MUGUNTHAN.R	/	/	/	/	/
31.	19202032	MUKUNTHAN.M	/	ab	/	/	/
32.	19202034	NAVEEN.E	/	/	/	/	/
33.	19202035	NIRANJANKUMAR.T	/	/	/	/	/
34.	19202036	NIVETHA.S.L	/	/	/	/	/
35.	19202037	PARTHASARATHI.T	/	/	/	/	/
36.	19202038	PAVEENA.K	/	/	/	/	/
37.	19202039	PAVITHRA.V.M	/	/	/	/	/
38.	19202040	PRADEEP.P	ab	ab	ab	ab	ab
39.	19202041	PRAKASH.G	/	/	/	/	/
40.	19202042	PRAVEEN KUMAR.K	/	/	/	/	/
41.	19202043	PREMKUMAR.J	/	/	/	/	/
42.	19202044	RAGHUL.N	/	/	/	/	/
43.	19202045	RAVEENA.M	/	/	/	/	/

S.No	Register No	Student Name	01/2/21	02/2/21	03/2/21	04/2/21	05/2/21
44.	19202046	RISHI KESHWAR	/	/	/	/	/
45.	19202047	SANJAY.R.S	/	/	/	/	/
46.	19202049	SATHISHKUMAR.S	/	/	ab	/	/
47.	19202050	SATHYAA.B.B.	/	/	/	/	/
48.	19202051	SIDDARTH.M	/	/	/	/	/
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	/	/	/	/	/
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	/	/	/	/	/

p.v.
Course Coordinator



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

RAGHUL.N

of Paavai Engineering College, studying in Second year has successfully completed the value added course

"BASICS OF ROBOTICS" the duration of the course is 30 hours (01.02.2021 to 05.02.2021)

A handwritten signature in black ink, appearing to be 'P. C. V.', written over a horizontal line.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. V. L.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S.', written over a horizontal line.

Principal



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Department of Information Technology

CERTIFICATE

This is to certify that

SATHYAA.B.B.

of Paavai Engineering College, studying in Second year has successfully completed the value added course

"BASICS OF ROBOTICS" the duration of the course is 30 hours (01.02.2021 to 05.02.2021)

A handwritten signature in black ink, appearing to be 'P. V. V.', written over a horizontal line.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. V. V.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. V. V.', written over a horizontal line.

Principal



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Department of Information Technology

CERTIFICATE

This is to certify that

SATHISHKUMAR.S

of Paavai Engineering College, studying in Second year has successfully completed the value added course

"BASICS OF ROBOTICS" the duration of the course is 30 hours (01.02.2021 to 05.02.2021)

A handwritten signature in black ink, appearing to be 'P. S. S.', written over a horizontal line.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. V. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S.', written over a horizontal line.

Principal



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Department of Information Technology

CERTIFICATE

This is to certify that

SRIDHARAN.R.S

of Paavai Engineering College, studying in Second year has successfully completed the value added course
"BASICS OF ROBOTICS" the duration of the course is 30 hours (01.02.2021 to 05.02.2021)

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

VIGNESHWARAN.P

of Paavai Engineering College, studying in Second year has successfully completed the value added course

"BASICS OF ROBOTICS" the duration of the course is 30 hours (01.02.2021 to 05.02.2021)

A handwritten signature in black ink, appearing to be 'P. Vigneshwaran', written over a horizontal line.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. Vigneshwaran', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. Vigneshwaran', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

20ITVC501 & SMALL BUSINESS MANAGEMENT

Small Business Development Centers (SBDCs) are a little-known asset available to entrepreneurs, start-ups, and established small businesses. They're designed specifically to help small businesses with all kinds of business-related activities, including providing guidance with marketing and financing.



COURSE CONTENT

- Introduction to Entrepreneur
- Entrepreneurship Environment and Challenges
- Small Business Management

INTENDED AUDIENCE:

- III Year of B.E/B.Tech Students

Date: 27.07.20 to 31.07.20

Venue: Online (Microsoft teams)

COURSE COORDINATORS

1. B.VENKATESAN,HOD/IT

2. S.SAKTHIVEL,AP/IT



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 21.07.2020

CIRCULAR

It is planned to conduct Five Days Value Added Course on "SMALL BUSINESS MANAGEMENT" for Fifth semester students from 27.07.20 to 31.07.20. The interested students are asked to enroll their names to the course coordinator S.SAKTHIVEL, AP/IT on or before 27.07.20.

Course Coordinators: 1. B.VENKATESAN, HOD/IT

2. S.SAKTHIVEL, AP/IT

HOD/IT

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20ITVC501

SMALL BUSINESS MANAGEMENT

COURSE OBJECTIVES

To enable the students to

- Understand the role of entrepreneur in the Indian context.
- Know about Economic Environment and its impact.
- Expose to the importance of small scale industry.

UNIT – I Introduction to Entrepreneur

Definition – Concept – Classification and types of entrepreneurs – Entrepreneurial Traits – Need and Important – Roles and Responsibilities of Entrepreneurs in Indian business context – Entrepreneurial Motivation – Entrepreneurial Development Programme: Role and objectives of the programme – Contents – Institutions aiding Entrepreneurs – Central and State level Institutions.

UNIT – II Entrepreneurship Environment and Challenges

Entrepreneurship environment: Social – Cultural – Political – Natural – Geographic – Technological – Economic Environment and its impact on Entrepreneurship – Factors affecting entrepreneurial growth – Globalization and its challenges – Steps to face global challenges – Strategies for the development of women entrepreneurs.

UNIT – III Small Business Management

Small Enterprises – Definition – Classification – Characteristics – Ownership Structures – Steps involved in setting up a small business – Identifying and selecting a good Business opportunity – Market potential analysis – Marketing methods: Pricing and Distribution methods. Sickness in small Business: Concept – Magnitude – Causes and Consequences – Corrective Measures – Government Policy on Small Scale Enterprises – Growth Strategies in small industry: Expansion – Diversification – Joint Venture – Merger and Sub Contracting.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Know about Roles and Responsibilities of Entrepreneurs in Indian business.
- Implement about Economic Environment and its impact.
- Evaluate the reasons for the sickness in small scale industry.

TEXT BOOKS

1. Clifford, F. Gray and E.W.Larson. Project management, Tata Mcgraw hill, New Delhi, 2007.

REFERENCES

- 1.Khanka.S.S. Entrepreneurial Development, S.Chand and company, New Delhi, 2008.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III/V

Name of the course: 20ITVC501- SMALL BUSINESS MANAGEMENT

S.No	Register No	Student Name	27.07.20	28.07.20	29.07.20	30.07.20	31.07.20
1.	18202001	ABDUL RAHMAN.A.L.Y	/	/	/	/	/
2.	18202002	ABINAS.N	/	/	/	/	/
3.	18202003	ASWIN.M	/	/	/	/	/
4.	18202004	AZARUDIN.N	/	/	/	/	/
5.	18202005	BALACHANDAR.M	AB	AB	AB	AB	AB
6.	18202006	BHARATHKUMAR.T	/	/	/	/	/
7.	18202007	BHUVANESHWAR.L.G	/	/	/	/	/
8.	18202008	DHILIPKUMAR.S	/	/	/	/	/
9.	18202010	HARISH.M	/	/	/	/	/
10.	18202011	JAISURYA.S	/	/	/	/	/
11.	18202012	JAYASREE.M	/	/	/	/	/
12.	18202013	KASHIFA AIMAN.S	/	/	/	/	/
13.	18202014	KAVIN.K.S	/	/	AB	/	/
14.	18202015	LOGESHKUMAR.B	/	/	/	/	/
15.	18202016	MADHAVARAJ.J	/	/	/	/	/
16.	18202017	MADHUBALAN.T	/	/	/	/	/
17.	18202018	MANOJ.D	/	/	/	/	/
18.	18202019	MEENATCHI.P	/	/	/	/	/

S.No	Register No	Student Name	27.07.20	28.07.20	29.07.20	30.07.20	31.07.20
19.	18202020	MOHAMED RILWAN.A	/	/	/	/	/
20.	18202021	MONISHA.M	/	/	/	/	/
21.	18202022	NEETHIYALAGAN.B	AB	AB	AB	AB	AB
22.	18202023	NITHISHKUMAR.S	/	/	/	/	/
23.	18202024	NIVASHE	/	/	/	/	/
24.	18202025	PARTHIBAN.M	/	/	/	/	/
25.	18202027	POOJA.G	/	/	/	/	/
26.	18202028	PRIYANKA.S	/	/	/	AB	/
27.	18202030	RAMYA.R	/	/	/	/	/
28.	18202031	REVATHI.N	/	/	/	/	/
29.	18202032	REVATHI.V	AB	AB	AB	AB	AB
30.	18202033	SANJAY.M	/	/	/	/	/
31.	18202034	SELSIYA.K	/	/	/	/	/
32.	18202035	SHARUMATHI.R	/	/	/	/	/
33.	18202036	SIVAKUMAR.M	/	/	/	/	/
34.	18202037	SIVAROHINI.S	AB	AB	AB	AB	AB
35.	18202038	SNEHA.M	/	/	/	/	/
36.	18202039	SOUNDARIYA.B	/	/	/	/	/
37.	18202040	SUBASH.J	/	/	/	/	/
38.	18202041	SURENTHIRAN.G	/	/	/	/	/
39.	18202042	VENGADANATHAN.M	/	/	/	/	/
40.	18202043	VINDHIYA PRIYADHARSHINI.S	/	/	/	/	/
41.	18202302	SARAVANAN.R	AB	AB	AB	AB	AB
42.	18202303	SIVASURYA.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

POOJA.G

of Paavai Engineering College, studying in Third year has successfully completed the value added course

"SMALL BUSINESS MANAGEMENT" the duration of the course is 30 hours (27.07.2020 to

31.07.2020)

A handwritten signature in black ink, appearing to be 'S. Srinivasan', written over a horizontal line.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. V. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

NITHISHKUMAR.S

of Paaval Engineering College, studying in Third year has successfully completed the value added course

"SMALL BUSINESS MANAGEMENT" the duration of the course is 30 hours (27.07.2020 to

31.07.2020)

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

MEENATCHI.P

of Paaval Engineering College, studying in Third year has successfully completed the value added course

"SMALL BUSINESS MANAGEMENT" the duration of the course is 30 hours (27.07.2020 to

31.07.2020)

A handwritten signature in black ink, appearing to be 'S. S. S.', written over a horizontal line.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. V. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Information Technology

CERTIFICATE

This is to certify that

MADHAVARAJ.J

of Paavai Engineering College, studying in Third year has successfully completed the value added course

"SMALL BUSINESS MANAGEMENT" the duration of the course is 30 hours (27.07.2020 to

31.07.2020)

A handwritten signature in black ink, appearing to be 'S. S. S.', written over a horizontal line.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. V. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S.', written over a horizontal line.

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

KASHIFA AIMAN.S

of Paavai Engineering College, studying in Third year has successfully completed the value added course

"SMALL BUSINESS MANAGEMENT" the duration of the course is 30 hours (27.07.2020 to

31.07.2020)

A handwritten signature in black ink, appearing to be 'S. S. S.', written over a horizontal line.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. V.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

20ITVC601 & MOBILE APPLICATIONS AND SERVICES

A mobile application (also called a mobile app) is a type of application designed to run on a mobile device, which can be a smartphone or tablet computer. Even if apps are usually small software units with limited function, they still manage to provide users with quality services and experiences. Contrary to applications designed for desktop computers, mobile applications move away from integrated software systems.



COURSE CONTENT

- Database Connectivity
- Testing
- Market Distributing

INTENDED AUDIENCE:

- III Year of B.E/B.Tech Students

Date: 01.02.21 to 05.02.21

Venue: Online(Microsoft teams)

COURSE COORDINATORS

1.M.BABYLATHA, AP/IT

2. S.SAKTHIVEL,AP/IT



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 21.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "MOBILE APPLICATIONS AND SERVICE" for sixth semester students from 01.02.21 to 05.02.21. The interested students are asked to enroll their names to the course coordinator S.SAKTHIVEL, AP/IT on or before 01.02.21.

Course Coordinators: 1.M.BABYLATHA, AP/IT

2. S.SAKTHIVEL, AP/IT

M. Babylatha
S. Sakthivel

B. V. Ch
HOD/IT

Copy to:

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COURSE OBJECTIVES

To enable the students to

- Generate new methods to identify a animations.
- Analyze Debugging mobile application.
- Evaluate the Market potential analysis.

UNIT – I Database Connectivity

Working with mobile database (SQLite), Interacting with database via internet/intranet., Graphics and animations- custom views, Canvas, Animation APIs, location awareness, Multimedia- audio/video playback and record, Native hardware access.

UNIT – II Testing

Testing Mobile Application, Debugging mobile application, White box testing, Black box testing, Test automation of mobile apps using JUnit for android, Robotium, Monkey Talk.

UNIT – III Market Distribution

Small Enterprises – Definition – Classification – Characteristics – Ownership Structures – Steps involved in setting up a small business – Identifying and selecting a good Business opportunity – Market potential analysis – Marketing methods: Pricing and Distribution methods. Sickness in small Business: Concept – Magnitude – Causes and Consequences – Corrective Measures – Government Policy on Small Scale Enterprises – Growth Strategies in small industry: Expansion – Diversification – Joint Venture – Merger and Sub Contracting.

TOTAL PERIODS 30**COURSE OUTCOMES**

To enable the students to

- Create a new methods to identify a animations.
- Implement Testing and Debugging mobile application.
- Compare and contrast various Marketing methods.

TEXT BOOKS

1. Carmen Delessio, Shane Conder, Lauren Darcey, *Android application Development in 24 Hours: SAMS Teach Yourself*, Pearson Education, 3rd Edition.

REFERENCES

1. Charlie Collins, Michael Galpin, Matthias Kappler, *Android in Practice*, Dreamtech Press, 2012.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year Semester : III/VI

Name of the course : 20ITVC601- MOBILE APPLICATIONS AND SERVICES

S.No	Register No	Student Name	1/2/21	2/2/21	3/2/21	4/2/21	5/2/21
1.	18202001	ABDUL RAHMAN.A.L.Y	/	/	/	/	/
2.	18202002	ABINAS.N	/	/	/	/	/
3.	18202003	ASWIN.M	/	/	/	/	/
4.	18202004	AZARUDIN.N	/	/	/	/	/
5.	18202005	BALACHANDAR.M	/	/	/	/	/
6.	18202006	BHARATHKUMAR.T	/	/	/	/	/
7.	18202007	BHUVANESHWARI.G	/	/	/	/	/
8.	18202008	DHILIPKUMAR.S	Absent	/	/	/	/
9.	18202010	HARISH.M	/	/	/	/	/
10.	18202011	JAISURYA.S	/	/	/	/	/
11.	18202012	JAYASREE.M	/	/	/	/	/
12.	18202013	KASHIFA AIMAN.S	/	/	/	/	/
13.	18202014	KAVIN.K.S	/	/	/	/	/
14.	18202015	LOGESHKUMAR.B	/	/	/	/	/
15.	18202016	MADHAVARAJ.J	/	/	/	/	/
16.	18202017	MADHUBALAN.T	/	/	/	/	/
17.	18202018	MANOJ.D	/	/	/	/	/
18.	18202019	MEENATCHILP	/	/	/	/	/

S.No	Register No	Student Name	1/2/21	2/2/21	3/2/21	4/2/21	5/2/21
19.	18202020	MOHAMED RIL WAN.A	↑	↑	↑	Absent	↑
20.	18202021	MONISHA.M	↑	↑	↑	↑	↑
21.	18202022	NEETHIYALAGAN.B	↑	↑	↑	↑	↑
22.	18202023	NITHISHKUMAR.S	↑	↑	↑	↑	↑
23.	18202024	NIVASHE	↑	↑	↑	↑	↑
24.	18202025	PARTHIBAN.M	↑	↑	↑	↑	↑
25.	18202027	POOJA.G	↑	↑	↑	↑	↑
26.	18202028	PRIYANKA.S	↑	↑	↑	↑	↑
27.	18202030	RAMYA.R	↑	↑	↑	↑	↑
28.	18202031	REVATHI.N	↑	↑	↑	↑	↑
29.	18202032	REVATHI.V	↑	↑	↑	↑	↑
30.	18202033	SANJAY.M	↑	↑	↑	↑	↑
31.	18202034	SELSIYA.K	↑	↑	↑	↑	↑
32.	18202035	SHARUMATHI.R	Absent	Absent	Absent	Absent	Absent
33.	18202036	SIVAKUMAR.M	↑	↑	↑	↑	↑
34.	18202037	SIVAROHINI.S	↑	↑	↑	↑	↑
35.	18202038	SNEHA.M	↑	↑	↑	↑	↑
36.	18202039	SOUNDARIYA.B	↑	↑	↑	↑	↑
37.	18202040	SUBASH.J	↑	Absent	↑	↑	↑
38.	18202041	SURENTHIRAN.G	↑	↑	↑	↑	↑
39.	18202042	VENGADANATHAN.M	↑	↑	↑	↑	↑
40.	18202043	VINDHIYA PRIYADHARSHINI.S	↑	↑	↑	↑	↑
41.	18202302	SARAVANAN.R	↑	↑	↑	↑	↑
42.	18202303	SIVASURYA.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

NIVASH.E

of Paavai Engineering College, studying in Third year has successfully completed the value added course

"MOBILE APPLICATIONS AND SERVICES" the duration of the course is 30 hours (01.02.2021 to

05.02.2021)

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

VINDHIYA PRIYADHARSHINI.S

of Paavai Engineering College, studying in Third year has successfully completed the value added course

"MOBILE APPLICATIONS AND SERVICES" the duration of the course is 30 hours (01.02.2021 to

05.02.2021)

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

REVATHI.N

of Paavai Engineering College, studying in Third year has successfully completed the value added course
"MOBILE APPLICATIONS AND SERVICES" the duration of the course is 30 hours (01.02.2021 to

05.02.2021)

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

SNEHA.M

of Paavai Engineering College, studying in Third year has successfully completed the value added course
"MOBILE APPLICATIONS AND SERVICES" the duration of the course is 30 hours (01.02.2021 to

05.02.2021)

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

SOUNDARIYA.B

of Paavai Engineering College, studying in Third year has successfully completed the value added course
"MOBILE APPLICATIONS AND SERVICES" the duration of the course is 30 hours (01.02.2021 to

05.02.2021)

Course coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

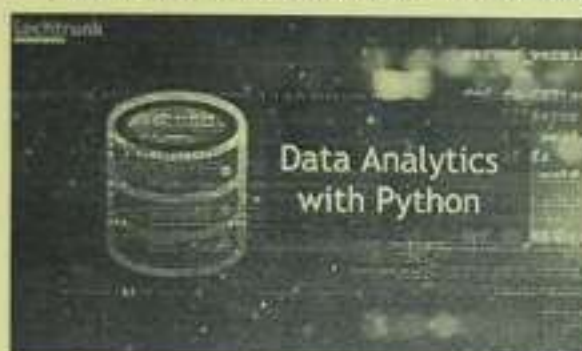
(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

20ITVC701 & DATA ANALYSIS WITH PYTHON

Python Data Analytics Data Analysis can help us to obtain useful information from data and can provide a solution to our queries. Further, based on the observed patterns we can predict the outcomes of different business policies



COURSE CONTENT

- Handling Raw Data using Numpy and Pandas
- Data Visualization
- Case studies

INTENDED AUDIENCE:

- IV Year of B.E/B.Tech Students

Date: 27.07.20 to 31.07.20

Venue: Online (Microsoft teams)

COURSE COORDINATORS

1. M.PUSHPALATHA,ASP/IT
2. B.DEEPA,AP/IT



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 21.07.2020

CIRCULAR

It is planned to conduct Five Days Value Added Course on "DATA ANALYSIS WITH PYTHON" for Seventh semester students from 27.07.20 to 31.07.20. The interested students are asked to enroll their names to the course coordinator M.PUSHPALATHA, ASP/IT on or before 27.07.21.

Course Coordinators: 1. M.PUSHPALATHA, ASP/IT

2. B.DEEPA, AP/IT

HOD/IT

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20ITVC701

DATA ANALYSIS WITH PYTHON

COURSE OBJECTIVES

To enable the students to

- Understand about data cleansing, transformation techniques and obtain descriptive statistics on data.
- Analyze datasets and Create simple visualization plots of data.
- Know about machine learning models for chosen problems of classification and prediction.

UNIT – I

Handling Raw Data using Numpy and Pandas: Arrays and operations on Arrays using NumPy-Data structure of Pandas – Essential functionality – Summarizing and Computing Descriptive Statistics – Handling Missing Data - Inserting and Exporting data from CSV, XLS,JSON, database files – Data cleansing – Data Operations – Aggregation and Join operations– Data transformation: Removing duplicates – Transformation of data using function or mapping-Discretization and Binning – Renaming Axis indexes - detecting and filtering outliers – Permutation and Random Sampling.

UNIT – II

Data Visualization: Data mining – Presenting an analysis – Studying the Titanic dataset - Data Visualization - Charts – Multiple plots – Playing with text – Styling plots – Box plots – Heatmaps – Scatter plots with histograms – Area Plots – Bubble charts.

UNIT – III

Case Studies: Performing predictions with a linear regression – Estimating the likelihood of events with Logistic regression.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Apply data cleansing, transformation techniques and obtain descriptive statistics on data.
- Analyze datasets and Create simple visualization plots of data.
- Develop machine learning models for chosen problems of classification and prediction.

TEXT BOOKS

1. Samir Madhavan, "Mastering Python for Data Science", PACKT Publishing, 2015. (ISBN 978-1-78439-015-0).

REFERENCES

1. Wes McKinney, "Python for Data Analysis", O'Reilly, 2013. (ISBN: 978-1-449-31979-3).



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV/VII

Name of the course: 20ITVC701- DATA ANALYSIS WITH PYTHON

S.No	Register No	Student Name	27-07-20	28-07-20	29-07-20	30-07-20	31-07-20
1.	17202001	ABINESH.K	/	/	/	/	/
2.	17202002	AJITHKUMAR.A	/	/	/	/	/
3.	17202003	AKASH.G	/	/	/	/	/
4.	17202004	AMBRISHNATH.G	/	/	/	/	/
5.	17202005	ANISHA.G	/	/	/	/	/
6.	17202007	ARTHI.M	/	/	/	/	/
7.	17202008	ARTHI.P	/	/	/	/	/
8.	17202009	ARUTSELVAN.A.K	/	/	/	/	/
9.	17202011	BHARATH HARISH KUMAR.A	/	/	/	/	/
10.	17202012	BHAVESH SINGH.J	/	/	/	/	/
11.	17202013	DANYASRI.V	/	/	/	/	/
12.	17202014	DEEPANKUMAR.S.M	/	/	/	/	/
13.	17202015	DEVA.R	AB	AB	AB	AB	AB
14.	17202016	DEVIKRISHNA.B	/	/	/	/	/
15.	17202017	DINESH RAM SHANKAR.K	/	/	/	/	/
16.	17202018	DINESH.S	/	/	/	/	/
17.	17202019	GAYATHRI.S	/	/	/	/	/
18.	17202020	GOPINATHAN.K	AB	/	/	/	/

S.No	Register No	Student Name	17-07-20	18-07-20	19-07-20	30-07-20	31-07-20
19.	17202021	JANARTHANAM E	/	/	/	/	/
20.	17202022	JAYASWEATHA V	/	/	/	/	/
21.	17202023	KAMESWARAN R	/	/	/	/	/
22.	17202024	KAVIYADHARSHINLA	AB	AB	AB	AB	AB
23.	17202026	LAKSHMITHA M	AB	AB	AB	AB	AB
24.	17202027	MAGESH BHARATHILB	/	/	/	/	/
25.	17202028	MAHAVISHNU P	/	/	/	/	/
26.	17202029	MANONMANI S	/	/	/	/	/
27.	17202030	MOHAN BHARATHI DAS M	/	/	/	/	/
28.	17202032	NIDDESHWAR G.B	/	/	/	/	/
29.	17202034	PAIDI PRASHANTH CHANDRASHEKAR	/	/	/	/	/
30.	17202035	PATEL HARDIK KUMAR A	AB	AB	AB	AB	AB
31.	17202036	POOJITHA E	/	/	/	/	/
32.	17202037	POOVARASAN K	/	/	/	/	/
33.	17202038	PRAVEEN K	/	/	/	/	/
34.	17202039	RAGHUL M	/	/	/	/	/
35.	17202040	RAJADURALA	/	/	/	/	/
36.	17202041	RAJESH KANNAN D	AB	AB	AB	AB	AB
37.	17202042	RAMPRASATH R	/	/	/	/	/
38.	17202043	ROSHINI P	/	/	/	/	/
39.	17202044	SANGEETHA A J	/	/	/	/	/
40.	17202045	SANTHIYA J	/	/	/	/	/
41.	17202046	SANTHOSH KUMAR P	/	/	/	/	/
42.	17202048	SARAVANAKUMAR N	/	/	/	/	/
43.	17202050	SENTHAMILSELVAN M	AB	AB	AB	AB	AB

S.No	Register No	Student Name	27-07-20	28-07-20	29-07-20	30-07-20	31-07-20
44.	17202051	SINDHU.S	/	/	/	/	/
45.	17202053	SOWMIYA.M	/	/	/	/	/
46.	17202055	SURYA.V	/	/	/	/	/
47.	17202056	SURYA.V	/	/	/	/	/
48.	17202057	SUSIN.P	/	/	/	/	/
49.	17202058	THARMASAMVARTHAN LS	/	/	/	/	/
50.	17202059	VASANTH.G	/	/	/	/	/
51.	17202060	VIGNESH.C	/	/	/	/	/
52.	17202501	EDIN BIRO.J	AB	AB	AB	AB	AB
53.	17202502	SHANMIKA.M	/	/	/	/	/


 H. S. J. S. 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

RAJADURAI.A

of Paavai Engineering College, studying in Final year has successfully completed the value added course

"DATA ANALYSIS WITH PYTHON" the duration of the course is 30 hours(27.07.2020 to 31.07.2020)

A handwritten signature in black ink, appearing to be 'B. D. S.', written over a horizontal line.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. V. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

POOVARASAN.K

of Paavai Engineering College, studying in Final year has successfully completed the value added course

"DATA ANALYSIS WITH PYTHON" the duration of the course is 30 hours(27.07.2020 to 31.07.2020)

A handwritten signature in black ink, appearing to be 'B. D. ...', written over a horizontal line.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. V. ...', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. ...', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

KAMESWARAN.R

of Paavai Engineering College, studying in Final year has successfully completed the value added course
"DATA ANALYSIS WITH PYTHON" the duration of the course is 30 hours(27.07.2020 to 31.07.2020)

A handwritten signature in black ink, appearing to be 'B. D. ...', written over a horizontal line.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. V. ...', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. ...', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

JANARTHANAM.E

of Paavai Engineering College, studying in Final year has successfully completed the value added course

"DATA ANALYSIS WITH PYTHON" the duration of the course is 30 hours(27.07.2020 to 31.07.2020)

A handwritten signature in black ink, appearing to be 'B. D. S.', written over a horizontal line.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. V.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

GAYATHRI.S

of Paavai Engineering College, studying in Final year has successfully completed the value added course
"DATA ANALYSIS WITH PYTHON" the duration of the course is 30 hours(27.07.2020 to 31.07.2020)

A handwritten signature in black ink, appearing to be 'B. D. S.', written over a horizontal line.

Course coordinator

A handwritten signature in black ink, appearing to be 'B. V. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

VALUE ADDED COURSE

20ITVC801 & MACHINE LEARNING WITH PYTHON

Machine Learning focuses on programming computers in such a way that they can access data and use it to train themselves. Python is the most fitting programming language that is extensively used in the field of Machine Learning.

Python: Machine Learning Algorithms



COURSE CONTENT

- Perception and back propagation training algorithm
- Principal component analysis
- One dimensional convolutional neural network

INTENDED AUDIENCE:

- IV Year of B.E/B.Tech Students

Date: 01.02.21 to 05.02.21

Venue: Online (Microsoft teams)

COURSE COORDINATORS

1. N.HEMALATHA, AP/IT

2.V.SARAVANA BHAVAN, AP/IT



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 21.01.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "MACHINE LEARNING WITH PYTHON" for Eight semester students from 01.02.21 to 05.02.21. The interested students are asked to enroll their names to the course coordinator N.HEMALATHA, AP/IT on or before 01.02.21.

Course Coordinators: 1. N.HEMALATHA, AP/IT

2. V.SARAVANA BHAVAN, AP/IT

HOD/IT

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Notice board

COURSE OBJECTIVES

To enable the students to

- Know about deep neural network, SVM and decision tree using MNIST database with Python..
- Analyze about PCA, k-means clustering, CART, RF and AANN techniques.
- Understand pre-trained convolutional neural network (CNN) architectures and implementation of 1D CNN and 2D CNN in keras for solving real world problems.

UNIT – I

Perceptron and backpropagation training algorithm- Deep neural network (DNN): Architecture and training - Implementation of DNN for MNIST database with Python - k-nearest-neighbor rule. Support vector machine (SVM).

UNIT – II

Principal component analysis (PCA) - k-means clustering - Decision tree: Classification and Regression Tree (CART) - Random Forest (RF) - Autoassociative neural network (AANN).

UNIT – III

One dimensional convolutional neural network (1D CNN): convolution layer - pooling layer - fully connected layer- ReLu - softmax- training - implementation with keras. Applications of 1D CNN. Introduction to Two dimensional convolutional neural network (2D CNN) - Standard 2D CNN architectures: VGG16, VGG19, GoogleNet, ResNet- Applications of 2D CNN.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Solve problems using deep neural network, SVM and decision tree using MNIST database with Python..
- Evaluate PCA, k-means clustering, CART, RF and AANN techniques for solving problems.
- Develop pre-trained convolutional neural network (CNN) architectures and implementation of 1D CNN and 2D CNN in keras for solving real world problems.

TEXT BOOKS

1. Duda, R.O., E. Hart, and D.G. Stork, *Pattern classification*, Second edition, John Wiley & Sons, Singapore, 2012.

REFERENCES

1. Francois Chollet, *Deep Learning with Python*, Manning Publications, Shelter Island, New York, 2018.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV/VIII

Name of the course :20ITVC801- MACHINE LEARNING WITH PYTHON

S.No	Register No	Student Name	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21
1.	17202001	ABINESH.K	/	/	/	/	/
2.	17202002	AJITHKUMAR.A	/	/	/	/	/
3.	17202003	AKASH.G	A	/	/	/	/
4.	17202004	AMBRISHNATH.G	/	/	/	/	/
5.	17202005	ANISHA.G	/	/	/	/	/
6.	17202007	ARTHI.M	/	/	/	/	/
7.	17202008	ARTHI.P	/	/	/	/	/
8.	17202009	ARUTSELVAN.A.K	/	/	/	/	/
9.	17202011	BHARATH HARISH KUMAR.A	A	/	/	/	/
10.	17202012	BHAVESHSINGH.J	/	/	/	/	/
11.	17202013	DANYASRI.V	/	/	/	/	/
12.	17202014	DEEPANKUMAR.S.M	/	/	/	/	/
13.	17202015	DEVA.R	/	/	/	/	/
14.	17202016	DEVIKRISHNA.B	/	/	/	/	/
15.	17202017	DINESH RAM SHANKAR.K	/	/	/	/	/
16.	17202018	DINESH.S	/	/	/	/	/
17.	17202019	GAYATHRI.S	/	/	/	/	/
18.	17202020	GOPINATHAN.K	A	A	A	A	A

S.No	Register No	Student Name	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21
19	17202021	JANARTHANAME	A	A	A	A	A
20	17202022	JAYASWEATHA.V	/	/	/	/	/
21	17202023	KAMESWARAN.R	/	/	/	/	/
22	17202024	KAVIYADHARSHINLA	/	/	/	/	/
23	17202026	LAKSHMITHA.M	/	/	/	/	/
24	17202027	MAGESH BHARATHI.B	/	/	/	/	/
25	17202028	MAHAVISHNU.P	A	A	A	A	A
26	17202029	MANONMANI.S	A	A	A	A	A
27	17202030	MOHAN BHARATHI DAS.M	/	/	/	/	/
28	17202032	NIDDESHWAR.G.B	/	/	/	/	/
29	17202034	PAIDI PRASHANTH CHANDRASHEKAR	A	A	A	A	A
30	17202035	PATEL HARDIK KUMAR.A	/	/	/	/	/
31	17202036	POOJITHA.E	/	/	/	/	/
32	17202037	POOVARASAN.K	/	/	/	/	/
33	17202038	PRAVEEN.K	/	/	/	/	/
34	17202039	RAGHUL.M	/	/	/	/	/
35	17202040	RAJADURAI.A	/	/	/	/	/
36	17202041	RAJESH KANNAN.D	A	A	A	A	A
37	17202042	RAMPRASATH.R	/	/	/	/	/
38	17202043	ROSHINI.P	/	/	/	/	/
39	17202044	SANGEETHA.A.J	/	/	/	/	/
40	17202045	SANTHIYA.J	/	/	/	/	/
41	17202046	SANTHOSHKUMAR.P	/	/	/	/	/
42	17202048	SARAVANAKUMAR.N	/	/	A	/	/
43	17202050	SENTHAMILSELVAN.M	/	/	/	/	/

S.No	Register No	Student Name	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21
44	17202051	SINDHU.S	/	/	/	/	/
45	17202053	SOWMIYA.M	/	/	/	/	/
46	17202055	SURYA.V	/	/	/	/	/
47	17202056	SURYA.V	A	A	A	A	A
48	17202057	SUSIN.P	/	/	/	/	/
49	17202058	THARMASAMVARTHANL S	/	/	/	/	/
50	17202059	VASANTH.G	A	A	A	A	A
51	17202060	VIGNESH.C	/	/	/	/	/
52	17202501	EDIN BIRO.J	/	/	/	/	/
53	17202502	SHANMIKA.M	/	/	/	/	/


Course Coordinator



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

PATEL HARDIK KUMAR.A

of Paavai Engineering College, studying in Final year has successfully completed the value added course

"MACHINE LEARNING WITH PYTHON" the duration of the course is 30 hours(01.02.2021 to

05.02.2021)

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

MAGESH BHARATHI.B

of Paavai Engineering College, studying in Final year has successfully completed the value added course

"MACHINE LEARNING WITH PYTHON" the duration of the course is 30 hours(01.02.2021 to

05.02.2021)

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

KAMESWARAN.R

of Paavai Engineering College, studying in Final year has successfully completed the value added course

"MACHINE LEARNING WITH PYTHON" the duration of the course is 30 hours(01.02.2021 to

05.02.2021)

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

ROSHINI.P

of Paavai Engineering College, studying in Final year has successfully completed the value added course
"MACHINE LEARNING WITH PYTHON" the duration of the course is 30 hours(01.02.2021 to

05.02.2021)

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

RAGHUL.M

of Paavai Engineering College, studying in Final year has successfully completed the value added course
"MACHINE LEARNING WITH PYTHON" the duration of the course is 30 hours(01.02.2021 to

05.02.2021)

Course coordinator

HOD

Principal

DEPARTMENT OF FOOD TECHNOLOGY



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
APPLICATIONS OF NANOTECHNOLOGY AND
CRYOGENICS IN FOOD PROCESSING**

**on July 27th to 31st 2020 @ 10.00 am.
Venue: T203**

**G. Thamaraiselva
Course Coordinator**

**Dr. G. Srinivasan
Head of the Department**

**Dr. M. PremKumar
Principal**

All Department Faculty Members & Students

Invite you one and all



**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: 17.07.2020

CIRCULAR

It is planned to conduct Five Days Training Course on "APPLICATION OF NANOTECHNOLOGY AND CRYOGENICS IN FOOD PROCESSING" for Third semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their name to the course coordinator G.Thamaraiselva/Food on or before 24.07.2020. (Spot registration can also be permitted).

Course Co-ordinator: I. G.Thamaraiselva/ Food


HOD/FOOD

Copy to :

Notice board

APPLICATION 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 sciences.
- 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 NANOTECHNOLOGY 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 Bionanotechnology, 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)

DEPARTMENT OF FOODTECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET


Year / Semester : II / III

Name of the Course : 20FTVC301- APPLICATION OF NANOTECHNOLOGY AND CRYOGENICS IN FOOD PROCESSING

S.No	STUDENT NAME	21/7	28/7	29/7	30/7	31/7
1.	Aadhavan.A	P	P	P	P	P
2.	Abdulraheem.M	P	P	P	P	P
3.	Akshay krishna.A.J	P	P	P	P	P
4.	Alexsamy.I	P	P	P	P	P
5.	Anand.N	P	P	P	P	P
6.	Bhuvanēshwari.M	P	P	P	P	P
7.	Dhanya.K	P	P	P	P	P
8.	Dorea joshy	P	P	P	P	P
9.	Girija.S	P	P	P	P	P
10.	Hariharan.A.R	P	P	P	P	P
11.	Imayavan.G	P	P	P	P	P
12.	Joel.K	P	P	P	P	P
13.	Karthick ajay.B	P	P	P	P	P
14.	Kaviya.B	P	P	P	P	P
15.	Krishnaveni.M	P	P	P	P	P
16.	Logapriya.V	P	P	P	P	P
17.	Mohamed mufariz.M	P	P	P	P	P
18.	Mukesh kumar.C	P	P	P	P	P
19.	Muthuselvi.R	P	P	P	P	P
20.	Nandhini.A	P	P	P	P	P
21.	Nandhini.B	P	P	P	P	P
22.	Naveena.D	P	P	P	P	P
23.	Neelakandan.M	P	P	P	P	P
24.	Nifa.S	P	P	P	P	P
25.	Nilaa.G.I	P	P	P	P	P
26.	Praveenkumar.V	A	A	A	A	A
27.	Priyadharshini.R	P	P	P	P	P

28.	Ramya.N	P	P	P	P	P
29.	Sacinthra.A	A	A	A	A	A
30.	Samitha raj.S.S	P	P	P	P	P
31.	Saran babu.S	P	P	P	P	P
32.	Shinygrace.S	P	P	P	P	P
33.	Siva harish.M	P	P	P	P	P
34.	Sivasakthi.S	P	P	P	P	P
35.	Sivashankar.C	P	P	P	P	P
36.	Sowmiya.J.S	P	P	P	P	P
37.	Suvetha.M	P	P	P	P	P
38.	Vinya.V	P	P	P	P	P
39.	Wasimakram.A	P	P	P	P	P
40.	Yaswanth.S	P	P	P	P	P


Course Coordinator


HoD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify

Kiruthika.M

of Paavai Engineering College, studying in **second year** has successfully completed the
20FTVC301 APPLICATION OF NANOTECHNOLOGY AND CRYOGENICS IN FOOD PROCESSING

course from 27/07/2020 to 31/07/2020

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify

Anand.N

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the
20FTVC301 APPLICATIONS OF NANOTECHNOLOGY AND CRYOGENICS IN FOOD
PROCESSING course from 27.07.2020 to 31.07.2020

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify
Vinya.V

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the
**20FTVC301 APPLICATIONS OF NANOTECHNOLOGY AND CRYOGENICS IN FOOD
PROCESSING** course from 27.07.2020 to 31.07.2020

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify
Suvetha.M

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the
20FTVC301 APPLICATIONS OF NANOTECHNOLOGY AND CRYOGENICS IN FOOD
PROCESSING course from 27.07.2020 to 31.07.2020

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify

Wasimakram.A

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the
20FTVC301 APPLICATIONS OF NANOTECHNOLOGY AND CRYOGENICS IN FOOD
PROCESSING course from 27.07.2020 to 31.07.2020

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify

Yaswanth.S

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the
**20FTVC301 APPLICATIONS OF NANOTECHNOLOGY AND CRYOGENICS IN FOOD
PROCESSING** course from 27.07.2020 to 31.07.2020

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify

S.M.Dharshini

of Paavai Engineering College, studying in **second year** has successfully completed the
20FTVC301 APPLICATION OF NANOTECHNOLOGY AND CRYOGENICS IN FOOD PROCESSING

course from 27/07/2020 to 31/07/2020

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
TRADITIONAL FOOD**

**on July 27th to 31st 2020.
Venue: T303**

**M.D.S.Rajarupan
Course Coordinator**

**Dr. G. Srinivasan
Head of the Department**

**Dr. M. PremKumar
Principal**

All Department Faculty Members & Students

Invite you one and all



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DEPARTMENT OF FOOD TECHNOLOGY

DATE: 18.07.2020

CIRCULAR

It is planned to conduct Five Days Training Course on **"TRADITIONAL FOODS"** for fifth semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their name to the course coordinator M.D.S.Rajaruban /Food on or before 25.07.2020. (Spot registration can also be permitted).

Course Co-ordinator: 1. M.D.S.Rajaruban/ Food

HOD/FOOD

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COURSE 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 food products
- Infer the wide diversity and common features of traditional Indian foods and meal patterns

COURSE OUTCOMES

At the end this course, students will be able to

- i. Justify the processing methods of traditional foods in terms of its health benefits
- ii. Assess the production methods of traditional sweets, snacks and dairy products
- iii. 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, CRC Press, 2001.
2. Guy R. Extrusion Cooking, Technologies and Applications. Wood head Publishing Limited, Abington, Cambridge, 2001

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF FOOD TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : III/V

Name of the Course : 20FTVC501 TRADITIONAL FOODS

S.No	STUDENT NAME	27/7	28/7	29/7	30/7	31/7
1.	Abipriya.R	P	P	P	P	P
2.	Akash babu.J.S	P	P	P	P	P
3.	Akhil shabu	P	P	P	P	P
4.	Alen jose	P	P	P	P	P
5.	Amal francies	A	A	A	A	A
6.	Balaji.G	P	P	P	P	P
7.	Deenathayalan S	P	P	P	P	P
8.	Deepak.J	P	P	P	P	P
9.	Gunalan.G	P	P	P	P	P
10.	Harini.U	A	A	A	A	A
11.	Janani.P	P	P	P	P	P
12.	Jayashree.C	P	P	P	P	P
13.	Kalaimathi.A	P	P	P	P	P
14.	Naveenkumar.S	P	P	P	P	P
15.	Nivetha.J	P	P	P	P	P
16.	Nivetha.S	P	P	P	P	P
17.	Prasanna kumar.M.V	P	P	P	P	P
18.	Pradeep.G	P	P	P	P	P
19.	Sangavi.A	P	P	P	P	P
20.	Saren rokith.M	A	A	A	A	A
21.	Sweety.P	P	P	P	P	P
22.	Vijayaperumal.S	P	P	P	P	P
23.	Viruthika,P	P	P	P	P	P

Course Coordinator

HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify

Abipriya.R

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the
20FTVC501 TRADITIONAL FOODS course from 27.07.2020 to 31.07.2020

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Food Technology

CERTIFICATE

This is to certify

Gunalan.G

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the
20FTVC501 TRADITIONAL FOODS course from 27.07.2020 to 31.07.2020

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Food Technology

CERTIFICATE

This is to certify

Prasanna kumar.M.V

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the
20FTVC501 TRADITIONAL FOODS course from 27.07.2020 to 31.07.2020

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Food Technology

CERTIFICATE

This is to certify

Vijayaperumal.S

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the
20FTVC501 TRADITIONAL FOODS course from 27.07.2020 to 31.07.2020

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Food Technology

CERTIFICATE

This is to certify

Pradeep.G

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the
20FTVC501 TRADITIONAL FOODS course from 27.07.2020 to 31.07.2020

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
SPECIALITY FOODS**

on Feb 1st to 5th 2021

Venue:T205

**V.Sivasankari
Course Coordinator**

**Dr.G.Srinivasan
Head of the Department**

**Dr. M. PremKumar
Principal**

All Department Faculty Members & Students

Invite you one and all



**PAAVAI ENGINEERING COLLEGE
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DEPARTMENT OF FOOD TECHNOLOGY

DATE: 23.01.2021

CIRCULAR

It is planned to conduct Five Days Training Course on " **SPECIALITY FOODS**" for fourth semester students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their name to the course coordinator V.Sivasankari/Food on or before 30.01.2021. (Spot registration can also be permitted).

Course Co-ordinator: I. V.Sivasankari/ Food


23/1/21
HOD/FOOD

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COURSE 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 I NEED AND SCOPE OF SPECIALTY FOODS**10**

Specialty food based on ease 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 FOOD BASED ON GENETICS**10**

Genetically modified foods, Transgenic foods, Biotechnological aspects of detoxification. Proprietary foods. Supplementary foods.

Total: 30 Hours**TEXT BOOKS**

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, 2014

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF FOODTECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester: II / IV

Name of the Course: 20FTVC401-SPECIALITY FOODS

S.No	STUDENT NAME	$\frac{1}{2}$	$\frac{2}{2}$	$\frac{3}{2}$	$\frac{4}{2}$	$\frac{5}{2}$
1.	Aadhavan.A	P	P	P	P	P
2.	Abdulraheem.M	P	P	P	P	P
3.	Akshay krishna.A.J	P	P	P	P	P
4.	Alexsamy.I	P	P	P	P	P
5.	Anand.N	P	P	P	P	P
6.	Bhuvaneshwari.M	P	P	P	P	P
7.	Dhanya.K	P	P	P	P	P
8.	Dorea joshy	AB	AB	AB	AB	AB
9.	Girija.S	P	P	P	P	P
10.	Hariharan.A.R	P	P	P	P	P
11.	Imayavan.G	P	P	P	P	P
12.	Joel.K	P	P	P	P	P
13.	Karthick ajay.B	P	P	P	P	P
14.	Kaviya.B	P	P	P	P	P
15.	Krishnaveni.M	P	P	P	P	P
16.	Logapriya.V	P	P	P	P	P
17.	Mohamed mufariz.M	AB	AB	AB	AB	AB
18.	Mukesh kumar.C	P	P	P	P	P
19.	Muthuselvi.R	P	P	P	P	P
20.	Nandhini.A	P	P	P	P	P
21.	Nandhini.B	P	P	P	P	P
22.	Naveena.D	P	P	P	P	P
23.	Neelakandan.M	P	P	P	P	P
24.	Nifa.S	P	P	P	P	P

25.	Nilaa.G.I	AB	AB	AB	AB	AB
26.	Praveenkumar.V	P	P	P	P	P
27.	Priyadharshini.R	P	P	P	P	P
28.	Ramya.N	P	P	P	P	P
29.	Sacinthra.A	P	P	P	P	P
30.	Samitha raj.S.S	P	P	P	P	P
31.	Saran babu.S	P	P	P	P	P
32.	Shinygrace.S	P	P	P	P	P
33.	Siva harish.M	P	P	P	P	P
34.	Sivasakthi.S	AB	AB	AB	AB	AB
35.	Sivashankar.C	P	P	P	P	P
36.	Sowmiya.J.S	P	P	P	P	P
37.	Suvetha.M	P	P	P	P	P
38.	Vinya.V	P	P	P	P	P
39.	Wasimakram.A	AB	AB	AB	AB	AB
40.	Yaswanth.S	P	P	P	P	P


Course Coordinator


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify

Dhanya.K

of Paavai Engineering College, studying in **FINAL YEAR** has successfully completed the

20FTVC401 SPECIALITY FOODS

course from 01.02.2021 to 05.02.2021

V. Sridharani

Course Coordinator

@. (Signature)

HOD

(Signature)

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify

Imayavan.G

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the

20FTVC401 SPECIALITY FOODS

course from 01.02.2021 to 05.02.2021

V. Srinivasan

Course Coordinator

G. V. Srinivasan

HOD

P. Srinivasan

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify

Karthick ajay.B

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the

20FTVC401 SPECIALITY FOODS

course from 01.02.2021 to 05.02.2021

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify

Nifa.S

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the

20FTVC401 SPECIALITY FOODS

course from 01.02.2021 to 05.02.2021

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Food Technology

CERTIFICATE

This is to certify

Saran babu.S

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the

20FTVC401 SPECIALITY FOODS

course from 01.02.2021 to 05.02.2021

V. Sridharan

Course Coordinator

A. (V. Sridharan)

HOD

[Signature]

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
MUSHROOM TECHNOLOGY
on Feb 1st to 5th 2021@ 10.00 am.
Venue: T205**

S.Gowtham Kumar
Course Coordinator

Dr.G.Srinivasan
Head of the Department

Dr. M. PremKumar
Principal

**All Department Faculty Members & Students
Invite you one and all**



**PAAVAI ENGINEERING COLLEGE
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NAMAKKAL -637 018

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DEPARTMENT OF FOOD TECHNOLOGY

DATE:20.01.2021

CIRCULAR

It is planned to conduct Five Days Training Course on "MUSHROOM TECHNOLOGY" for sixth semester students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their name to the course coordinator S.GowthamKumar/Food on or before 28.01.2021. (Spot registration can also be permitted).

Course Co-ordinator: 1. S.GowthamKumar / Food


HOD/FOOD

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COURSE 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 Mushrooms
2. Implement the mushroom cultivation techniques
3. Plan and execute the construction of mushroom houses

UNIT I INTRODUCTION**10**

History and classification of Indian Mushrooms- 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 CONSTRUCTION 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, PathakYadav Gour Published byAgrobios India, 2010.
2. Mushroom Cultivation, Tripathi, D.POxford & IBH Publishing Co. PVT.LTD, NewDelhi,(2005)

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 & TomorrowsPrinters &Publishers, New Delhi 1980

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF FOOD TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : III/VI

Name of the Course : 20FTVC601 MUSHROOM TECHNOLOGY

S.No	STUDENT NAME	$\frac{1}{2}$	$\frac{2}{2}$	$\frac{3}{2}$	$\frac{4}{2}$	$\frac{5}{2}$
1.	Abipriya.R	P	P	P	P	P
2.	Akash babu.J.S	P	P	P	P	P
3.	Akhil shabu	P	P	P	P	P
4.	Alen jose	P	P	P	P	P
5.	Amal francies	P	P	P	P	P
6.	Balaji.G	P	P	P	P	P
7.	Deenathayalan S	P	P	P	P	P
8.	Deepak.J	P	P	P	P	P
9.	Gunalan.G	A	A	A	A	A
10.	Harini.U	P	P	P	P	P
11.	Janani.P	P	P	P	P	P
12.	Jayashree.C	P	P	P	P	P
13.	Kalaimathi.A	P	P	P	P	P
14.	Naveenkumar.S	P	P	P	P	P
15.	Nivetha.J	P	P	P	P	P
16.	Nivetha.S	P	P	P	P	P
17.	Prasanna kumar.M.V	P	P	P	P	P
18.	Pradeep.G	P	P	P	P	P
19.	Sangavi.A	P	P	P	P	P
20.	Saren rokith.M	P	P	P	P	P
21.	Sweety.P	A	A	A	A	A
22.	Vijayaperumal.S	P	P	P	P	P
23.	Viruthika.P	P	P	P	P	P


Course Coordinator


HoD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify

Deenathayalan. S

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the

20FTVC601 MUSHROOM TECHNOLOGY

course from 01/02/2021 TO 05/02/2021

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Food Technology

CERTIFICATE

This is to certify

Pradeep.G

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the

20FTVC601 MUSHROOM TECHNOLOGY

course from 01/02/2021 TO 05/02/2021

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify

Sangavi.A

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the

20FTVC601 MUSHROOM TECHNOLOGY

course from 01/02/2021 TO 05/02/2021

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Food Technology

CERTIFICATE

This is to certify

Nivetha.S

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the

20FTVC601 MUSHROOM TECHNOLOGY

course from 01/02/2021 TO 05/02/2021

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Food Technology

CERTIFICATE

This is to certify

Kalaimathi.A

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the

20FTVC601 MUSHROOM TECHNOLOGY

course from 01/02/2021 TO 05/02/2021

A handwritten signature in black ink, appearing to be 'C. H. Hunk' or similar, written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'G. (V. Ramani)' or similar, written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. ...' or similar, written over a horizontal line.

Principal

**DEPARTMENT OF PHARMACEUTICAL
TECHNOLOGY**



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

COLLOIDS AND INTERFACIAL PHENOMENA

on July 27th to July 31st 2020 @ 10.00 am.

Venue: T207

Ms. N.V. Britiya
Course Coordinator

Dr. R. Praveen Kumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all



**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 PHARMACEUTICAL TECHNOLOGY

DATE: 15.07.2021

CIRCULAR

It is planned to conduct Five Days value added Course on "COLLOIDS AND INTERFACIAL PHENOMENA" for Third semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their name to the course coordinator Ms. N. V. Britiya/Pharmaon or before 24.07.2020.

Course Co-ordinator: I. Ms. N. V. Britiya/Pharma


HOD/PHARMA

Copy to :

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COURSE OBJECTIVES

To enable the students to gain knowledge on

- colloidal phenomena in industry
- basic surfactant structures
- Capillarity systems like wetting agents, emulsifiers and stabilizers.

UNIT I INTRODUCTION TO INTERFACE AND COLLOIDAL SCIENCE 10

Examples of surface and colloidal phenomena in industry and nature, Historical perspective. Areas where future research is needed, nature of interfaces, Surface free energy, Surface activity and surfactant, Physical and chemical interactions between atoms and molecules interactions between surfaces.

UNIT II ADSORPTION 10

Gibbs Surface Excess, Gibbs Adsorption Isotherm, Adsorption at solid-vapour interface, energetic considerations, Physical adsorption versus chemisorption, Chemisorption, and catalysis, Adsorption at liquid-liquid interfaces, Gibb's monolayers.

UNIT III COLLOIDS AND COLLOIDAL STABILITY 10

Working definition of colloids, Practical applications of colloids and colloids phenomena. Mechanisms of colloid formation, and its applications. Emulsion formation, Classification of emulsifiers and stabilizers, Flocculation and coalescence. Mechanistic details of stabilization, Solubility parameters.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- gains insight in interface adsorption concept behind
- Understand the physics involved in interfacial adsorption
- apply the interfacial charge, electrokinetic phenomena and various colloid parameters.

TEXT BOOKS

1. Drew Myers, "Surfaces, Interfaces and Colloids: Principles and Applications", Second Edition, Wiley-VCH, 1999

REFERENCES

1. Hiemenz P. C., Rajagopalan R., "Principles of Colloid and Surface Science", Third Edition, Marcel Dekker, 1997

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : II / III

Name of the Course : PT20VC301 – COLLOIDS AND INTERFACIAL PHENOMENA

S.No	STUDENT NAME	27.07.20	28.07.20	29.07.20	30.07.20	31.07.20
1.	ABIRAMLN	/	/	/	/	/
2.	AJITHKUMAR.T	/	/	/	/	/
3.	AKASH.A	/	/	/	/	/
4.	ANANDHEESWARAN.S	/	/	/	/	/
5.	BOOMIKA.B	/	/	/	/	/
6.	ELAVARASAN.S	/	/	/	/	/
7.	EVANJALINEJOICE.S	/	/	/	/	/
8.	EZHILARASAN.E	AB	AB	AB	AB	AB
9.	EZHILARASAN.G	/	/	/	/	/
10.	GOKUL.K	/	/	/	/	/
11.	GOKULAKRISHNAN.E	/	/	/	/	/
12.	GOWTHAM.R	/	/	/	/	/
13.	HASRATH.S.P	/	/	/	/	/
14.	JANARTHANAN.P	/	/	/	/	/
15.	JASMINE.A	/	/	/	/	/
16.	JOHN.A	/	/	/	/	/
17.	MAGESHWARAN.V	/	/	/	/	/
18.	MANIKANDAN.B	AB	AB	AB	AB	AB
19.	MANJU.A	/	/	/	/	/
20.	MAYILSAM.Y.P	/	/	/	/	/
21.	MEGANATHAN.P	/	/	/	/	/
22.	MOHAMMED IRFAN.U	/	/	/	/	/
23.	MOHANDASS.B	/	/	/	/	/
24.	MUKESH KUMAR.S	/	/	/	/	/
25.	NEMA.V	/	/	/	/	/
26.	PRASANTH.P	/	/	/	/	/
27.	PRIYADHARSHINI.G	/	/	/	/	/
28.	PRIYANGA.S	AB	AB	AB	AB	AB

29.	RAGAVAN.R	/	/	/	/	/
30.	RAJ.M	/	/	/	/	/
31.	SABARINATHAN.A	/	/	/	/	/
32.	SANGAVLS	AB	AB	AB	AB	AB
33.	SANJAY.S	/	/	/	/	/
34.	SINDHUJA.P	/	/	/	/	/
35.	SNEGA.S	/	/	/	/	/
36.	SNEKHA.S	/	/	/	/	/
37.	SOWMIYA.M	/	/	/	/	/
38.	SOWNDHARYA.B	/	/	/	/	/
39.	SREENIVAS.M	/	/	/	/	/
40.	SURESH.V	/	/	/	/	/
41.	SURYA KUMAR.P	AB	AB	AB	AB	AB
42.	SURYA.S	/	/	/	/	/
43.	SWATHI.S	/	/	/	/	/
44.	THARUNRAJA.B	/	/	/	/	/
45.	VIJAY ANAND.D	/	/	/	/	/
46.	VIKRAMAN.M	/	/	/	/	/
47.	VISHNU.N	/	/	/	/	/

N.V. Priya
Course Coordinator

G. V. S. S. S.
HoD



PAAVAI ENGINEERING COLLEGE

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

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

RAJ. M

of Paavai Engineering College, studying in **Second Year** has successfully completed
the **Colloids and interfacial phenomena** course from **27/07/2020** to **31/07/2020**.

N. V. Periyasamy

Course Coordinator

G. Srinivasan

HOD

Prasanna

Principal



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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

RAGAVAN. R

of Paavai Engineering College, studying in **Second Year** has successfully completed
the **Colloids and interfacial phenomena** course from **27/07/2020** to **31/07/2020**.

N. V. Periyasamy

Course Coordinator

G. Srinivasan

HOD

P. Srinivasan

Principal



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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

JOHN. A

of Paavai Engineering College, studying in Second Year has successfully completed
the Colloids and interfacial phenomena course from 27/07/2020 to 31/07/2020.

N. V. Periyas

Course Coordinator

G. Srinivas

HOD

Prasanna

Principal



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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

NEMA. V

of Paavai Engineering College, studying in Second Year has successfully completed
the Colloids and interfacial phenomena course from 27/07/2020 to 31/07/2020.

Course Coordinator

HOD

Principal



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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

PRIYADHARSHINI. G

of Paavai Engineering College, studying in Second Year has successfully completed
the Colloids and interfacial phenomena course from 27/07/2020 to 31/07/2020.

N. V. Periyas

Course Coordinator

G. G. G. G.

HOD

P. P. P.

Principal



PAAVAI ENGINEERING COLLEGE

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Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CORDIALLY INVITE YOU TO THE VALUE-ADDED COURSE ON

**FUNDAMENTALS OF MATERIAL SCIENCE AND
ENGINEERING**

on February 01st to 05th 2021 @ 10.00 am.

Venue: T206

Mr. T. Senthil Kumar
Course Coordinator

Dr.R. Praveen Kumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all



**PAAVAI ENGINEERING COLLEGE
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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 PHARMACEUTICAL TECHNOLOGY

DATE: 21.01.2021

CIRCULAR

It is planned to conduct Five Days value added Course on "FUNDAMENTALS OF MATERIAL SCIENCE AND ENGINEERING" for Fourth semester students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their name to the course coordinator T. Senthil kumar/Pharma on or before 29.01.2021

Course Co-ordinator: I. Mr. T. Senthil kumar /Pharma


HOD/PHARMA

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PT20VC401 FUNDAMENTALS OF MATERIAL SCIENCE AND ENGINEERING
COURSE OBJECTIVES

To enable the students to gain knowledge on

- crystal structures and its lattice
- electrical properties of metals
- magnetic and thermal properties of materials

UNIT I CRYSTAL STRUCTURE 10

Introduction – material classification of materials – structure- property relationship - atomic Structure - space lattice and crystal structure- Miller indices, crystal planes – symmetry – crystal imperfections – point, line, surface, volume – solid solutions - ceramic crystal structures.

UNIT II ELECTRICAL AND ELECTRONIC PROPERTIES 10

Classification of materials using free electron theory and band theory -conductivity of metals – energy gap in solids – dielectric materials - types of polarizations – polarization calculations – polymer dielectrics- dipole moment – static permittivity – dielectric constant – dielectric loss – superconductivity – semiconducting materials.

UNIT III MAGNETIC ,THERMAL AND OPTICAL PROPERTIES 10

Introduction – types of magnetic materials - Classification of dia- para -ferro- antiferro and ferri magnetic materials – magnetic semiconductors – specific heat capacity – thermal conductivity –optical properties of metals & nonmetals – refraction, reflection, absorption , color, opacity, translucency - applications.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- understand about crystal structures.
- know the properties of semiconducting materials
- know the magnetic and optical properties of materials

TEXT BOOKS

1. Raghavan,V., Materials Science and Engineering, 1982, Prentice Hall India, NewDelhi.

REFERENCES

1. Saxena, B.S., R.C. Gupta and P.N. Saxena, Fundamentals of Solid State Physics, 1988, PragathiPragasan, Meerut.

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : II / IV

Name of the Course : PT20VC401 – FUNDAMENTALS OF MATERIAL SCIENCE
AND ENGINEERING

S.No	STUDENT NAME	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21
1.	ABIRAM.I.N	/	/	/	/	/
2.	AJITHKUMAR.T	/	/	/	/	/
3.	AKASH.A	/	/	/	/	/
4.	ANANDHEESWARAN.S	/	/	/	/	/
5.	BOOMIKA.B	/	/	/	/	/
6.	ELAVARASAN.S	/	/	/	/	/
7.	EVANJALINEJOICE.S	/	/	/	/	/
8.	EZHILARASAN.E	/	/	/	/	/
9.	EZHILARASAN.G	AB	AB	AB	AB	AB
10.	GOKUL.K	/	/	/	/	/
11.	GOKULAKRISHNAN.E	/	/	/	/	/
12.	GOWTHAM.R	/	/	/	/	/
13.	HASRATH.S.P	/	/	/	/	/
14.	JANARTHANAN.P	/	/	/	/	/
15.	JASMINE.A	/	/	/	/	/
16.	JOHN.A	/	/	/	/	/
17.	MAGESHWARAN.V	/	/	/	/	/
18.	MANIKANDAN.B	AB	AB	AB	AB	AB
19.	MANJU.A	/	/	/	/	/
20.	MAYILSAM.Y.P	/	/	/	/	/
21.	MEGANATHAN.P	/	/	/	/	/
22.	MOHAMMED IRFAN.U	/	/	/	/	/
23.	MOHANDASS.B	/	/	/	/	/
24.	MUKESH KUMAR.S	/	/	/	/	/
25.	NEMA.V	/	/	/	/	/
26.	PRASANTH.P	/	/	/	/	/
27.	PRIYADHARSHINI.G	/	/	/	/	/

28.	PRIYANGA.S	/	/	/	/	/
29.	RAGAVAN.R	/	/	/	/	/
30.	RAJ.M	/	/	/	/	/
31.	SABARJNATHAN.A	/	/	/	/	/
32.	SANGAVLS	/	/	/	/	/
33.	SANJAY.S	/	/	/	/	/
34.	SINDHUJA.P	/	/	/	/	/
35.	SNEGA.S	/	/	/	/	/
36.	SNEKHA.S	/	/	/	/	/
37.	SOWMIYAM	/	/	/	/	/
38.	SOWNDHARYA.B	/	/	/	/	/
39.	SREENIVAS.M	/	/	/	/	/
40.	SURESH.V	/	/	/	/	/
41.	SURYA KUMAR.P	AB	AB	AB	AB	AB
42.	SURYA.S	AB	AB	AB	AB	AB
43.	SWATHLS	/	/	/	/	/
44.	THARUNRAJA.B	/	/	/	/	/
45.	VIJAY ANAND.D	/	/	/	/	/
46.	VIKRAMAN.M	/	/	/	/	/
47.	VISHNU.N	/	/	/	/	/

T. S. Kumar
Course Coordinator

G. S. Srinivasan
HOD



PAAVAI ENGINEERING COLLEGE

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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 **Second Year** has successfully completed the **Fundamentals of Material Science and Engineering** course from **01/02/2021 to 05/02/2021**.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

BOOMIKA.B

of Paavai Engineering College, studying in **Second Year** has successfully completed the
Fundamentals of Material Science and Engineering course from **01/02/2021 to 05/02/2021**.

A handwritten signature in black ink, appearing to be 'T. Sankar', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'G. Princy', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'R. Mani', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

JASMINE.A

of Paavai Engineering College, studying in **Second Year** has successfully completed the **Fundamentals of Material Science and Engineering** course from **01/02/2021 to 05/02/2021**.

A handwritten signature in black ink, appearing to be 'T. Sankar', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'G. Ganesan', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. Ramesh', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

AKASH.A

of Paavai Engineering College, studying in Second Year has successfully completed the Fundamentals of Material Science and Engineering course from 01/02/2021 to 05/02/2021.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

AJITH KUMAR.T

of Paavai Engineering College, studying in Second Year has successfully completed the Fundamentals of Material Science and Engineering course from 01/02/2021 to 05/02/2021.

A handwritten signature in black ink, appearing to read 'T. Sankar'.

Course Coordinator

A handwritten signature in black ink, appearing to read 'G. Sankar'.

HOD

A handwritten signature in black ink, appearing to read 'R. Sankar'.

Principal



PAAVAI ENGINEERING COLLEGE

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Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CORDIALLY INVITE YOU TO THE VALUE-ADDED COURSE ON

PHARMACEUTICAL INORGANIC CHEMISTRY

on July 27th to July 31st 2020 @ 10.00 am.

Venue: T206

Ms. U Meenakshi
Course Coordinator

Dr. R. Praveen Kumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

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

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

DATE: 15.07.2020

CIRCULAR

It is planned to conduct Five Days value added Course on "PHARMACEUTICAL INORGANIC CHEMISTRY" for Fifth semester students from 27.07.2020 to 31.07.2020. The interested students are asked to enroll their name to the course coordinator Ms. U. Meenakshi /Pharma on or before 24.07.2020

Course Co-ordinator: 1, Ms. U. Meenakshi/Pharma


HOD/PHARMA

Copy to :

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COURSE OBJECTIVES

To enable the students to gain knowledge on

- know the sources of impurities and methods to determine the impurities in inorganic drugs and pharmaceuticals.
- understand the medicinal and pharmaceutical importance of inorganic compounds.
- basics of radiopharmaceuticals

UNIT I IMPURITIES IN PHARMACEUTICAL SUBSTANCES**10**

Define Statistics, intuitive biostatistics, relevance to research, preparation of data, analysis of data, frequency tables, graphical techniques, measuring variability, identify measures of central tendency and variability, probability, tools in statistics, selection of various statistics tools.

UNIT II BUFFERS AND INTERCELLULAR ELECTROLYTES**10**

Buffer equations and buffer capacity in general, buffers in pharmaceutical systems, preparation, stability, buffered isotonic solutions, measurements of tonicity, calculations and methods of adjusting isotonicity. Functions of major physiological ions.

UNIT III RADIOPHARMACEUTICALS**10**

Radio activity, Measurement of radioactivity, Properties of α , β , γ radiations, Half life, radio isotopes and study of radio isotopes - Sodium iodide 1121 7, Indian Pharmacopoeia , Storage conditions, precautions & pharmaceutical application of radioactive substances.

TOTAL PERIODS 30**COURSE OUTCOMES**

At the end this course, students will be able to

- understand the monographs of inorganic drugs and pharmaceuticals.
- calculate the tonicity of the buffer solution
- gain insights on radioactive substance and its application in pharmaceuticals

TEXT BOOKS

1. P. Gundu Rao, Inorganic Pharmaceutical Chemistry, 3rd Edition.

REFERENCES

1. A.H. Beckett & J.B. Stenlake's, Practical Pharmaceutical Chemistry Vol I & II, Stahlone Press of University of London, 4th edition.

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : III / V

Name of the Course : PT20VC501 – PHARMACEUTICAL INORGANIC CHEMISTRY

S.No	STUDENT NAME	27.07.20	28.07.20	29.07.20	30.07.20	31.07.20
1.	AJEETHA. K	ab	ab	ab	ab	ab
2.	ANANTHI.C	/	/	/	/	/
3.	ARAVINDHA KUMAR. G	/	/	/	/	/
4.	ARUN KARTHICK. K	/	/	/	/	/
5.	ASHWIN. S	/	/	/	/	/
6.	GAYATHRI. K	/	/	/	/	/
7.	GOKUL RAJ. K	/	/	/	/	/
8.	JEEVIKA. S	/	/	/	/	/
9.	JEGAN. S	/	/	/	/	/
10.	JOSEVANITHIN. A	/	/	/	/	/
11.	KISHORE. J	/	/	/	/	/
12.	PAVILAN. T	/	/	/	/	/
13.	PAVITHRA. G	/	/	/	/	/
14.	PRABHAVATHI. K	/	/	/	/	/
15.	PRAVEEN KUMAR. M	/	/	/	/	/
16.	PUGALZHENDI. V	ab	ab	ab	ab	ab
17.	QUEEN SANTHOSHINI. C	/	/	/	/	/
18.	RAMKUMAR. R	/	/	/	/	/
19.	SANDHIYA. A	/	/	/	/	/
20.	SANGATH SARAN. L. K	/	/	/	/	/
21.	SATHYA RAJ. M	/	/	/	/	/
22.	SAVITHA. M	/	/	/	/	/
23.	SNEHA. M	/	/	/	/	/
24.	SOUNDARRAJAN. S	/	/	/	/	/
25.	SOWDAMBIKA. R	/	/	/	/	/
26.	SRINIVASAN. R	/	/	/	/	/
27.	VETRIVEL. C	/	/	/	/	/
28.	VIMAL RAJ. G	ab	ab	ab	ab	ab

29.	YUVARAJ S	ab	ab	ab	ab	ab
-----	-----------	----	----	----	----	----

29. 
Course Coordinator

G. 
HoD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

SOWDAMBIKA.R

of Paavai Engineering College, studying in **Third Year** has successfully completed the
Pharmaceutical Inorganic Chemistry course from **27/07/2020** to **31/07/2020**.

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

QUEEN SANTHOSHINI.C

of Paavai Engineering College, studying in Third Year has successfully completed the
Pharmaceutical Inorganic Chemistry course from 27/07/2020 to 31/07/2020.

A handwritten signature in black ink, appearing to read 'V. Sathish', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to read 'G. Srinivas', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to read 'R. Srinivas', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

GAYATHRI.K

of Paavai Engineering College, studying in **Third Year** has successfully completed the
Pharmaceutical Inorganic Chemistry course from **27/07/2020** to **31/07/2020**.

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

PAVILAN.T

of Paavai Engineering College, studying in **Third Year** has successfully completed the
Pharmaceutical Inorganic Chemistry course from **27/07/2020** to **31/07/2020**.

A handwritten signature in black ink, appearing to be 'T. S. S. S.', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to be 'G. S. S.', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to be 'P. S. S.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

VETRIVEL.C

of Paavai Engineering College, studying in Third Year has successfully completed the **Pharmaceutical Inorganic Chemistry** course from 27/07/2020 to 31/07/2020.

20 Sept. 1966

Course Coordinator

6. Spring

HOD

Pres

Principal



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

APPLICATION OF BIOCONJUGATE TECHNOLOGY

on February 1st to February 5th 2021 @ 10.00 am.

Venue: T207

Ms. Nimmy John
Course Coordinator

Dr. R. Praveen Kumar
Head of the Department

Dr. M. Prem Kumar
Principal

All Department Faculty Members & Students

Invite you one and all



**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 PHARMACEUTICAL TECHNOLOGY

DATE: 21.01.2021

CIRCULAR

It is planned to conduct Five Days value added Course on "APPLICATION OF BIO CONJUGATE TECHNOLOGY" for Sixth semester students from 01.02.2021 to 05.02.2021. The interested students are asked to enroll their name to the course coordinator Ms. Nimmy John/Pharma on or before 29.01.2021.

Course Co-ordinator:1. Ms. Nimmy John/Pharma



HOD/PHARMA

Copy to :

Notice board

COURSE OBJECTIVES

To enable the students to gain knowledge on

- Basics of Bioconjugates
- Modification of functional targets
- Chemistry involved in active chemical groups

UNIT I FUNCTIONAL TARGETS**10**

Modification of Amino Acids, Peptides and Proteins – Modification of sugars, polysaccharides and glycoconjugates – modification of nucleic acids and oligonucleotides.

UNIT II BIOCONJUGATE REAGENTS**10**

Zero length cross linkers – Homobifunctional cross linkers – Heterobifunctional cross linkers – Trifunctional cross linkers – Cleavable reagent systems – tags and probes.

UNIT III BIOCONJUGATE APPLICATIONS**10**

Preparation of Hapten-carrier Immunogen conjugates - antibody modification and conjugation – immunotoxin conjugation techniques – liposome conjugated and derivatives- Colloidal – gold-labeled proteins – modification with synthetic polymers.

TOTAL PERIODS 30**COURSE OUTCOMES**

At the end this course, students will be able to

- modify the functional target of a biomolecules
- use the linkers for bioconjugate reagents
- prepare bioconjugate carrier for diagnostics

TEXT BOOKS

1. G.T. Hermanson, Bioconjugate Techniques, Academic Press, 1999

REFERENCES

1. Toshikazu Hirao, Functionalized Redox Systems: Synthetic Reactions and Design of π - and Bio-Conjugates", 2015

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : III / VI

Name of the Course : PT20VC601 – APPLICATION OF BIOCONJUGATE TECHNOLOGY

S.No	STUDENT NAME	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21
1.	AJEETHA, K	A	A	A	A	A
2.	ANANTHILC	/	/	/	/	/
3.	ARAVINDHA KUMAR, G	/	/	/	/	/
4.	ARUN KARTHICK, K	/	/	/	/	/
5.	ASHWIN, S	/	/	/	/	/
6.	GAYATHRI, K	/	/	/	/	/
7.	GOKUL RAJ, K	/	/	/	/	/
8.	JEEVIKA, S	/	/	/	/	/
9.	JEGAN, S	/	/	/	/	/
10.	JOSEVANITHIN, A	/	/	/	/	/
11.	KISHORE, J	/	/	/	/	/
12.	PAVILAN, T	/	/	/	/	/
13.	PAVITHRA, G	/	/	/	/	/
14.	PRABHAVATHI, K	/	/	/	/	/
15.	PRAVEEN KUMAR, M	/	/	/	/	/
16.	PUGALZHENDI, V	/	/	/	/	/
17.	QUEEN SANTHOSHINI, C	/	/	/	/	/
18.	RAMKUMAR, R	/	/	/	/	/
19.	SANDHIYA, A	/	/	/	/	/
20.	SANGATH SARAN, L. K	/	/	/	/	/
21.	SATHYA RAJ, M	/	/	/	/	/
22.	SAVITHA, M	/	/	/	/	/
23.	SNEHA, M	/	/	/	/	/
24.	SOUNDARRAJAN, S	/	/	/	/	/
25.	SOWDAMBIKA, R	/	/	/	/	/
26.	SRINIVASAN, R	/	/	/	/	/
27.	VETRIVEL, C	/	/	/	/	/
28.	VIMAL, RAJ, G	A	A	A	A	A

29.	YUVARAJ S	/	/	/	/	/
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Course Coordinator


HoD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

JEEVIKA.S

of Paavai Engineering College, studying in **Third** Year has successfully completed the
Application of bio conjugate Technology course from **01/02/2021** to **05/02/2021**.

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

SATHIYA RAJ.M

of Paavai Engineering College, studying in Third Year has successfully completed the
Application of bio conjugate Technology course from 01/02/2021 to 05/02/2021.

A handwritten signature in black ink, appearing to read 'Nimmi', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to read 'G. Srinivas', written over a horizontal line.

HOD

A handwritten signature in black ink, appearing to read 'R. Mani', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

SAVITHA.M

of Paavai Engineering College, studying in Third Year has successfully completed the
Application of bio conjugate Technology course from 01/02/2021 to 05/02/2021.

A handwritten signature in black ink, appearing to read 'Nimra'.

Course Coordinator

A handwritten signature in black ink, appearing to read 'G. Srinivas'.

HOD

A handwritten signature in black ink, appearing to read 'Ravi'.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

PAVITHRA.G

of Paavai Engineering College, studying in **Third Year** has successfully completed the
Application of bio conjugate Technology course from **01/02/2021** to **05/02/2021**.

A handwritten signature in black ink, likely belonging to the Course Coordinator.

Course Coordinator

A handwritten signature in black ink, likely belonging to the Head of Department (HOD).

HOD

A handwritten signature in black ink, likely belonging to the Principal.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

JEGAN.S

of Paavai Engineering College, studying in Third Year has successfully completed the
Application of bio conjugate Technology course from 01/02/2021 to 05/02/2021.

A handwritten signature in black ink, appearing to read 'Nimra'.

Course Coordinator

A handwritten signature in black ink, appearing to read 'G. Gnanapavan'.

HOD

A handwritten signature in black ink, appearing to read 'R. Mani'.

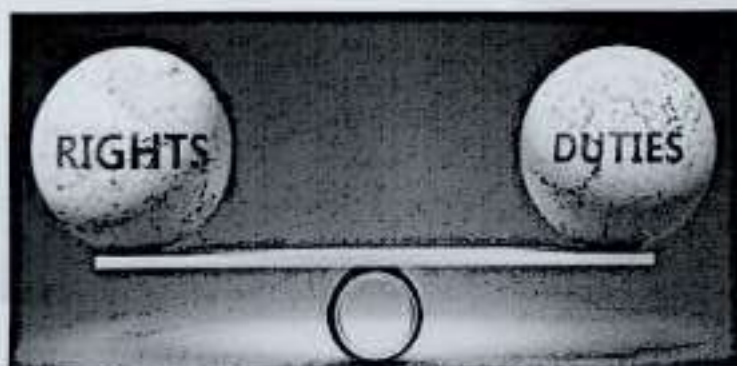
Principal

**DEPARTMENT OF SCIENCE AND
HUMANITIES**

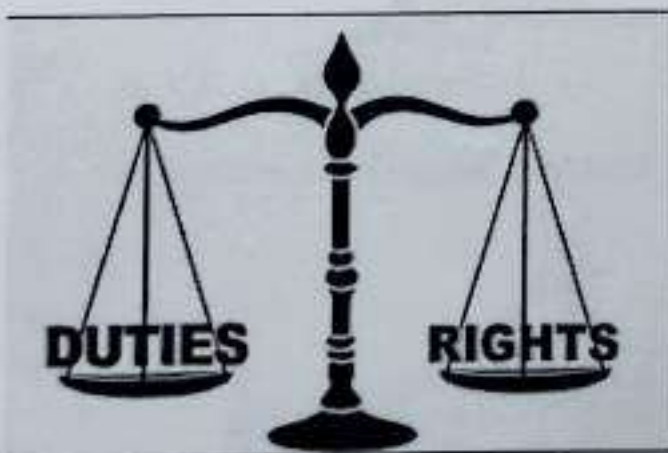
PAAVAI ENGINEERING COLLEGE
(Autonomous)
DEPARTMENT OF SCIENCE AND HUMANITIES
VALUE ADDED COURSE
20GEVC101/201 - HUMAN RIGHTS AND DUTIES
(Online mode)

About The Course:

The course is suitable for those who are aware of the mutual connections between the protection of human rights and conflict management, and who possess a sound juridical and methodological background and practical-operational skills in such areas. They should have good behavior, social dealings, and far-sightedness.



INTENDED AUDIENCE:



- All the first year of B.E., B.Tech Students



PAAVAI ENGINEERING COLLEGE, NAMAKAL-637018
(As Autonomous Institution - Affiliated to Anna University, Chennai)


DEPARTMENT OF SCIENCE AND HUMANITIES

Date: 02.02.2021

CIRCULAR

It is planned to conduct a Five Day Traininig Course on "**Human Rights and Duties**" for our first year students from 15.02.2021 to 19.02.2021. Interested students can enroll their names to the course coordinator Mr.A.HENRY Assitant Professor / Mathematics on or before 09.02.2021.

Course coordinatorr: 1) Mr. A.HENRY, AP/ Maths.


HOD S&H

Copy to:

- 1) All Students
- 2) Notice board

Open link;

https://teams.microsoft.com/l/meetup-join/19%3anFu8oFsjrfvOMflgyay_uSBu2O4k4g7lyqlbR1ro4Gk1%40thread.tacv2/1638442559019?context=%7b%22Tid%22%3a%220e12e443-9474-407f-a440-2c8f3f1bac5b%22%2c%22Oid%22%3a%220f4179ef-b394-4cdd-9791-ab1e6249f792%22%7d

Course Coordinators:

- 1) Mr.P.Suresh, AP/ Physics
- 2). Mr. R.Dhanachezian, AP/ Physics
- 3). Dr.N.Dhannabalan,ASP / Chemistry
- 4)Mr.M.E.Hariharan AP/English
- 5) K.Uma, ASP/Maths
- 6) K.Thangamuniyappan, AP/Maths

COURSE OBJECTIVES

To enable the students to

- In-depth insight into the constitutional, statutory and institutional aspects of human rights protection in India.
- Covers constitutional provisions dealing with human rights and special legislations dealing with protection of vulnerable and marginalized groups.
- Discussion on institutional framework in India dealing with protection and enforcement of human rights.

MODULE-I HUMAN RIGHTS AND DUTIES- CONCEPT, DEVELOPMENT AND EVOLUTION.

Sociology of Human Rights-Classifications of Rights and duties, Co-relation of rights and duties. Changing dimensions of human rights & duties-Theories of human rights-Values, Dignity, Liberty, Equality, Justice, Unity & Diversity. Inherent, inalienable, universal and individual

MODULE- II UNITED NATIONS AND HUMAN RIGHTS AND DUTIES

Universal Declaration of Human Rights 1948, International Convention of Civil & Political Rights 1966-International Convention on Economics, Social and Cultural Rights 1966.

Convention -Convention on the Rights of the Child 1989, UN Declaration and Duties and Responsibilities of Individuals 1997.on Elimination of All forms of Discrimination against women 1979- Role of Legislature in the Protection of Human Rights.

MODULE - III HUMAN RIGHTS AND DUTIES IN INDIA: CONSTITUTIONAL FRAMEWORK

Basic Features of the Constitution of India -Fundamental Rights, Directive Principal of State Policy, Fundamental Duties -Protection & enforcement of human rights and duties-National and State Human Rights Commission & other grievance redressal mechanism

TOTAL PERIODS :30

Out comes

Students must gain knowledge on

- Demonstrate a good understanding of the provisions under the Constitution of India dealing with human rights.
- Display a good understanding of the nature and scope of special legislations dealing with protection of human rights of marginalized and vulnerable sections.
- Demonstrate a good understanding of the practical application of human rights law to specific human rights problems in India.

Text Books

1. Basu, Durga Das, Human Rights in Constitutional law (New Delhi: Prentice Hall 1994)
2. Baxi, Upendra, Future of Human Rights (2002)
3. Bueren, Geraldine Van, International Law on the Rights of the Child (1995)

References

1. Caney, Simon and Jones, Peter (eds.), Human Rights and Global Diversity (2001)
2. Freeman, Michael, Human Rights : An Interdisciplinary Approach (2002)
3. Gogia, S.P., Law relating to Human Rights (2000)

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Bio Medical Engineering

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S.NO	Reg.No	Name of the Student	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
1	20109001	AJITHKUMAR.K	/	/	/	/	/
2	20109002	AJITHKUMAR.K	AB	AB	AB	AB	AB
3	20109003	AKSHAYA.J	/	/	/	/	/
4	20109004	ANANDHARAJ.G	/	/	/	/	/
5	20109005	ARIVOLI.M	/	/	/	/	/
6	20109006	ARULKUMARAN.V	/	/	/	/	/
7	20109007	BALA.M	/	/	/	/	/
8	20109008	BALAJI.M	/	/	/	/	/
9	20109009	BALAMURUGAN.R	/	/	/	/	/
10	20109010	CHARUMATHI.S	/	/	/	/	/
11	20109011	DHEJJASWINI.E	/	/	/	/	/
12	20109012	DINESH KUMAR.G	/	/	/	/	/
13	20109013	HARISH.P	/	/	/	/	/
14	20109014	HARISH.R	/	/	/	/	/
15	20109015	JAYAKRISHNAN.K	/	/	/	/	/
16	20109016	JAYAPRAKASH.R	/	/	/	/	/
17	20109017	JEEVITHA.K	/	/	/	/	/
18	20109018	JOHNSON.R	/	/	/	/	/
19	20109019	KANAGASANTHOSH.M.M	/	/	/	/	/
20	20109020	KIRUTHIKA.P	/	/	/	/	/
21	20109021	KRITHIKA.K	/	/	/	/	/
22	20109022	MAARVIN.M	/	/	/	/	/
23	20109023	MATHANKUMAR.M	/	/	/	/	/
24	20109024	MOHAMED ARSHATH.A	/	/	/	/	/
25	20109025	MOHAMMED SULTHAN.A	/	/	/	/	/
26	20109026	MUKILA.M	/	/	/	/	/
27	20109027	NANDEESHWARAN.J	/	/	/	/	/
28	20109028	NANDHA.G	/	/	/	/	/
29	20109029	NIBILE.S	/	/	/	/	/
30	20109030	PAVITHRA.S	/	/	/	/	/
31	20109031	PRAKASH.K.V	/	/	/	/	/
32	20109032	PRASANNAPRIYA.R	/	/	/	/	/
33	20109033	PRASANTH.P	/	/	/	/	/
34	20109034	RAGAVARSHINI.S	/	/	/	/	/
35	20109035	ROSHAN KUMAR.V	/	/	/	/	/
36	20109036	RUGIYA.A	/	/	/	/	/
37	20109037	SAFA FAREN.M.J	/	/	/	/	/
38	20109038	SAKTHIVEL.M	/	/	/	/	/
39	20109039	SANDHIYA.S	/	/	/	/	/
40	20109040	SANJITH SWAMY.R	/	/	/	/	/

41	20109041	SANTHOSH.B	/	/	/	/	/
42	20109042	SATHIYA.A	/	/	/	/	/
43	20109043	SELVAKUMAR.M	/	/	/	/	/
44	20109044	SELVAKUMAR.N	/	/	/	/	/
45	20109045	SENTHILKUMAR.N	/	/	/	/	/
46	20109046	SIVAMANI.S	/	/	/	/	/
47	20109047	SOUNDARYA.S	/	/	/	/	/
48	20109048	SOWNDARYA.S	/	/	/	/	/
49	20109049	SRIDHAR.S	AB	AB	AB	AB	AB
50	20109050	SUBHIKSHA.S	/	/	/	/	/
51	20109051	SUDEEP.C	/	/	/	/	/
52	20109052	SUPRAJA.O	/	/	/	/	/
53	20109053	SUVARNALATHA.V	/	/	/	/	/
54	20109054	SWETHA.S	/	/	/	/	/
55	20109055	VAJITHRA.C	/	/	/	/	/
56	20109056	VASANTHAVEL.P	/	/	/	/	/
57	20109057	VIGNESH VARMA.H	/	/	/	/	/
58	20109058	VIJAI.V	/	/	/	/	/
59	20109059	VINOTHA.M	/	/	/	/	/
60	20109060	VISWA.R	/	/	/	/	/
61	20109061	YUVANESHWARAN.P	/	/	/	/	/


Course Coordinator


HOD


PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Aeronautical Engineering

YEAR / SEM: I / I

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S. NO	REG. NO	NAME OF THE STUDENTS	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
1	20101001	ABIL.K	/	/	/	/	/
2	20101002	ARSATH PARVEZ.M	/	/	/	/	/
3	20101003	BIBIN.K	/	/	/	/	/
4	20101004	MANIVANNAN.R	/	/	/	/	/
5	20101005	MOHAMED ALAMEEN.R	/	/	/	/	/
6	20101006	MOHAMMED KAIF.S	/	/	/	/	/
7	20101007	MURALI.M	A/B	/	/	/	/
8	20101008	NANDHAKUMAR.A	/	/	/	/	/
9	20101009	PUGALENDHI.A	/	/	/	/	/
10	20101010	RADHA KRISHNAN.T	/	/	/	/	/
11	20101011	RAGUL.D	/	/	/	/	/
12	20101012	SANJALE	/	/	/	/	/
13	20101013	SUSIGARAN.G	/	/	/	/	/
14	20101014	THIRUMALA.A	/	/	/	/	/
15	20101015	VIGNESH KUMAR.K	/	/	/	/	/
16	20101016	VIJAY.V	/	/	/	/	/
17	20101017	VIMALRAJ.K	/	/	/	/	/
18	20101018	YUVARAJ.R	/	/	/	/	/


 Course Coordinator


 HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

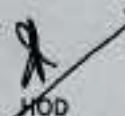
DEPT : Medical Electronics

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S. NO	REG. NO	NAME OF THE STUDENTS	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
1	20110001	AASHA S	/	/	/	/	/
2	20110002	ELAMUGILAN M	/	/	/	/	/
3	20110003	ELAVARASAN V	/	/	/	/	/
4	20110004	INITHA S	/	/	/	/	/
5	20110005	JAISONPRABU S	/	/	/	/	/
6	20110006	JANA P	/	/	/	/	/
7	20110007	JANANI J	/	/	/	/	/
8	20110008	JOTHIPRAKASH P	/	/	/	/	/
9	20110009	KAVIYA R	/	/	/	/	/
10	20110010	KIRUTHIKA S	/	/	/	/	/
11	20110011	MAIYALAGAN D	/	/	/	/	/
12	20110012	MAKILNATH M	AB	AB	AB	AB	AB
13	20110013	NIVETHA D	/	/	/	/	/
14	20110014	PICHANDI R	/	/	/	/	/
15	20110015	POUNKUMAR R	/	/	/	/	/
16	20110016	RAHUL M	/	/	/	/	/
17	20110017	RANJITH M	/	/	/	/	/
18	20110018	RAVICHANDRAN R	/	/	/	/	/
19	20110019	SHARAN M	/	/	/	/	/
20	20110020	SUNILGAVASKAR R	AB	AB	AB	AB	AB
21	20110021	SURYAPRAKASH G	/	/	/	/	/
22	20110022	VASUDEVAN R	/	/	/	/	/
23	20110023	VIGNESHWAR S	/	/	/	/	/
24	20110024	YUVASRI M	/	/	/	/	/
25	20110025	YUVASRI V	/	/	/	/	/


 Course Coordinator


 HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Mechanical Engineering

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S. NO	REG. NO	NAME OF THE STUDENTS	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
1	20107001	AAKASH.S	/	/	/	/	/
2	20107002	AAKESH KUMAR.S	/	/	/	/	/
3	20107003	ABDUL RAHMAN.N	/	/	/	/	/
4	20107004	ABHISHEK BABU	/	/	/	/	/
5	20107005	AJAY.P	/	/	AB	/	/
6	20107006	AKASH.G	/	/	/	/	/
7	20107007	AKHIL RAJAN	/	/	/	/	/
8	20107008	ANABARASAN.A	/	/	/	/	/
9	20107009	ARUN.D	/	/	/	/	/
10	20107010	BHARANI SHAKTHI DHARAN.D.S	/	/	/	/	/
11	20107011	CHITHAMBARAM.M	/	/	/	/	/
12	20107012	DEEPESH.M	/	/	/	/	/
13	20107013	GOPALAKANNAN.M	/	/	/	/	/
14	20107014	GOWTHAM.V	AB	AB	AB	AB	AB
15	20107015	JANARTHANAN.K	/	/	/	/	/
16	20107016	JOBLIN GOUSHIK.A.S	AB	AB	AB	AB	AB
17	20107017	KAVIN.S	/	/	/	/	/
18	20107018	KODIYARASAN.T	/	/	/	/	/
19	20107019	MAHENDRAN.G	/	/	/	/	/
20	20107020	MOHAMED NASAR.R	/	/	/	/	/
21	20107021	MOORTHIS	/	/	/	/	/
22	20107022	NAVEENKUMAR.J	/	/	AB	AB	/
23	20107023	NAVEENKUMAR.S	/	/	/	/	/
24	20107024	NITHESH.T	/	/	/	/	/
25	20107025	PARTHIBAN.T.A	/	/	/	/	/
26	20107026	PRATHAP.M	/	/	/	/	/
27	20107027	RAAVIN.A.P	/	/	/	/	/
28	20107028	RAJENDRA PRASATH.V	/	/	/	/	/
29	20107029	RAJKUMAR.K	/	AB	/	/	/
30	20107030	RAJKUMAR.T	/	/	/	/	/
31	20107031	RANJITH KUMAR.V	/	/	/	/	/
32	20107032	SARAN RAJ.T	/	/	/	/	/
33	20107033	SARATHI.C	/	/	/	/	/
34	20107034	SARATHI.S	AB	/	AB	/	/
35	20107035	SASIDHARAN.V	/	/	/	/	/
36	20107036	SATHISH.S	/	/	/	/	/
37	20107037	SHARJIN PRAKASH.T	/	/	/	/	/

38	20107038	SIVABALAJI.S	/	/	/	/	/
39	20107039	SIVACHANDIRAN.C	/	/	/	/	/
40	20107040	SIVASURYA.S	/	/	/	/	/
41	20107041	SRINATH.D	/	/	/	/	/
42	20107042	SUMITH.S	/	/	/	/	/
43	20107043	THINESHKUMAR.M	/	/	/	/	/
44	20107044	VENGATESAN.R	/	/	/	/	/
45	20107045	VERTRIVEL.P	/	/	/	/	/
46	20107046	VIGNESH.K	/	/	/	/	/
47	20107047	VISHU.D	/	/	/	/	/


Course Coordinator


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Agriculture Engineering(A)

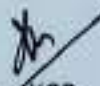
YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S. NO	REG. NO	NAME OF THE STUDENTS	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
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	20102009	ARULMOZHI.B	AB	AB	AB	AB	AB
10	20102010	ASHA.R	/	/	/	/	/
11	20102011	ASHOK KUMAR.A	/	/	/	/	/
12	20102012	BALAMURUGAN.M	/	/	/	/	/
13	20102013	BALASUBRAMANIAN.R	/	/	/	/	/
14	20102014	BOOBALAN.T	/	/	/	/	/
15	20102015	CHAMILI.U	/	/	/	/	/
16	20102016	CHINNAPPADOSS.P	/	/	/	/	/
17	20102017	CIBIRAAJ.N	AB	AB	AB	AB	AB
18	20102018	DEEPAK RAJA.K	/	/	/	/	/
19	20102019	DHANALAKSHMI.A	/	/	/	/	/
20	20102020	DHANUSREE.G	/	/	/	/	/
21	20102021	DHARINISH.A	/	/	/	/	/
22	20102022	DHASAPRAKASH.K	/	/	/	/	/
23	20102023	DHAYALAN.D	/	/	/	/	/
24	20102024	DHINESH.K	/	/	/	/	/
25	20102025	DHIVYA.K	/	/	/	/	/
26	20102026	DHIVYA.V	/	/	/	/	/
27	20102027	DHIVYADHARSHINI.M	/	/	/	/	/

28	20102028	DHIVYAPRABHA.P	/	/	/	/	/
29	20102029	DINESH.M	/	/	/	/	/
30	20102030	DIVYA.P.V	/	/	/	/	/
31	20102031	DIVYASHRITHA.M	/	/	/	/	/
32	20102032	DURGA NANDHINI.A	/	/	/	/	/
33	20102033	ELAIYARASU.M	/	/	/	/	/
34	20102034	GAYATHRI.E	/	/	/	/	/
35	20102035	GUNA.R	/	/	/	/	/
36	20102036	HANISHA.M.G	/	/	/	/	/
37	20102037	HANON JOS ALEX	/	/	/	/	/
38	20102038	HARIKARTHICK.R.R	/	/	/	/	/
39	20102039	HARINISRI.S.G	/	/	/	/	/
40	20102040	HARISHMANO.K	/	/	/	/	/
41	20102041	HARISHWA.S	/	/	/	/	/
42	20102042	JANANI.T	/	/	/	/	/
43	20102043	JEEVA.M	/	/	/	/	/
44	20102044	JEEVANANDHAM.M	/	/	/	/	/
45	20102045	JEEVANANTHAM.M	/	/	/	/	/
46	20102046	KALAI BHARATHI.K	/	/	/	/	/
47	20102047	KAMALESHWARAN.A	/	/	/	/	/
48	20102048	KARTHICK.P	/	/	/	/	/
49	20102049	KARTHICK.V	/	/	/	/	/
50	20102050	KAVIARASAN.S	/	/	/	/	/
51	20102051	KAVINRAJ.S	/	/	/	/	/
52	20102052	KAVIYA.S	/	/	/	/	/
53	20102053	KAVYA.M	/	/	/	/	/
54	20102054	KISHAN RAJ.R	/	/	/	/	/
55	20102055	MADHUMITHA.R	/	/	/	/	/
56	20102056	MAHESHKUMAR	/	/	/	/	/
57	20102057	MALARVIZHI.J	/	/	/	/	/
58	20102058	MANOJKUMAR.A	/	/	/	/	/
59	20102059	MOULISHWARAN.R.N	/	/	/	/	/


Course Coordinator


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Agriculture Engineering(B)

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

			15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
1	20102060	NANDHINI.K					
2	20102061	NANDHINI.V	/	/	/	/	/
3	20102062	NANTHINI.S	/	/	/	/	/
4	20102063	NARMADHA.A.V	/	/	/	/	/
5	20102064	NEELAVENI.R	/	/	/	/	/
6	20102065	NISHA.P	/	/	/	/	/
7	20102066	NISHANTH.M	/	/	AB	/	/
8	20102067	OVIYA.R	/	/	/	/	/
9	20102068	PARTHASARATHI.V	/	/	/	/	/
10	20102069	PAVITHRA.T	/	/	/	/	/
11	20102070	PERIYASAMY.R	/	/	/	/	/
12	20102071	PRADEEP.A	/	/	/	/	/
13	20102072	PRAKASH.B	/	/	/	/	/
14	20102073	PRIYADHARSHINI.P	/	/	/	/	/
15	20102074	PRIYADHARSHINI.S	/	/	/	/	/
16	20102075	RAJASAKTHEESWARAN.C	/	/	/	/	/
17	20102076	RAMANA SELVI.S	/	/	/	/	/
18	20102077	RAMKUMAR.R	/	/	/	/	/
19	20102078	ROHITH.B	AB	AB	AB	AB	AB
20	20102079	ROSHINI MAHIZHA.P	/	/	/	/	/
21	20102080	RUTHRA.V	/	/	/	/	/
22	20102081	SAIJANARTHANAN.S	/	/	/	/	/
23	20102082	SAIKARTHICK.S	/	/	/	/	/
24	20102083	SAKTHIVEL.C	/	/	/	/	/
25	20102084	SANDHEESH.K.R	/	/	/	/	/
26	20102085	SANGEETHA KRISHNAN S	/	/	/	/	/
27	20102086	SANJAY.S	/	/	/	/	/
28	20102087	SASI.R	/	/	/	/	/
29	20102088	SATHISKAR.N	/	/	/	/	/
30	20102089	SATHYADARSHANA.K.K	/	/	/	/	/
31	20102090	SELLA.M	AB	AB	AB	AB	AB
32	20102091	SELVAPRABHA.V	/	/	/	/	/
33	20102092	SHARMILA.V	/	/	/	/	/
34	20102093	SHIVANI.V	/	/	/	/	/
35	20102094	SIVA.S	/	/	/	/	/
36	20102095	SIVALINGAM.M	/	/	/	/	/
37	20102096	SIVARAMAN.V	/	/	/	/	/
38	20102097	SNEHA.C	/	/	/	/	/

39	20102098	SNEHA.P	/	/	/	/	/
40	20102099	SNEHA.S	/	/	/	/	/
41	20102100	SOUNDARYA.R	/	/	/	/	/
42	20102101	SOWMIYA.K	/	/	/	/	/
43	20102102	SREEDHAR.M	/	/	/	/	/
44	20102103	SRI PAVITHRA.P	/	AB	/	/	/
45	20102104	SRIDHAR.M	/	/	/	/	/
46	20102105	SRIDHAR.N	/	/	/	/	/
47	20102106	SRIKAR BALAJI.S	/	/	/	/	/
48	20102107	SRIMATHI.V	/	/	/	/	/
49	20102108	STEPHEN XAVIER.L	/	/	/	/	/
50	20102109	SUBASH.S	/	/	/	/	/
51	20102110	SUBASRI.V	/	/	/	/	/
52	20102111	SUBIKSHA.N	/	/	/	/	/
53	20102112	SUGIRTHA.S	/	/	/	/	/
54	20102113	SUTHIR.L	/	/	/	/	/
55	20102114	TAMIL VASUKI.P	/	/	/	/	/
56	20102115	THAMESHWARAN.S	/	/	/	/	/
57	20102116	THANGAM.P	/	/	/	/	/
58	20102117	THIRIBHARATHI.R.S	/	/	/	/	/
59	20102118	VASIKA BARATHI.B	/	/	/	/	/
60	20102119	VASUDEVAN.T	/	/	/	/	/
61	20102120	VEERASELVAN.P	/	/	/	/	/
62	20102121	VIGNESHWARAN.A	/	/	/	/	/
63	20102122	VIJAYABHARATHI.M	/	/	/	/	/
64	20102123	VIMAL RAJ.T	/	/	/	/	/
65	20102124	VISHWA.M	/	/	/	/	/
66	20102125	VIVINKUMAR.B	AB	AB	AB	AB	AB


Course Coordinator


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Chemical Engineering

YEAR / SEM: I / I

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

			15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
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 <i>AS</i>	<i>AB</i>	<i>AB</i>	<i>AB</i>	<i>AB</i>	<i>AB</i>
17	20201017	SHANKAR S	/	/	/	/	/
18	20201018	SRI SIVA KUMAR T	/	/	/	/	/
19	20201019	SURENDHAR S	/	/	/	/	/
20	20201020	THILLASELVAN M	/	/	/	/	/
21	20201021	VIKRAM KRISHNA K	/	/	/	/	/
22	20201022	VINO S	/	/	/	/	/
23	20201023	VISALACHI B	/	/	/	/	/

N. S. S. S.
 Course Coordinator

X
 HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET


DEPT : CIVIL Engineering

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S. NO	REG. NO	NAME OF THE STUDENTS	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
1	20103001	ALUBILLI PARVATHI	/	/	/	/	/
2	20103002	DEVENTHIRAN E	/	/	/	/	/
3	20103003	DHARANI V	/	/	/	/	/
4	20103004	DHARUN D	/	/	/	/	/
5	20103005	GOHULA KRISHNAN K	/	/	/	/	/
6	20103006	GOKUL M	/	/	/	/	/
7	20103007	HARI KRISHNAN S	/	/	/	/	/
8	20103008	HUMAIRA M	/	/	/	/	AB
9	20103009	KAVIN B	/	/	/	/	/
10	20103010	PRASANNA S	/	/	/	/	/
11	20103011	PRAVEEN G	/	/	/	/	/
12	20103012	PRIYADHARSAN T	/	/	/	/	/
13	20103013	RANJITH P	/	/	/	/	/
14	20103014	RUBHINI S	/	/	/	/	/
15	20103015	SARANKUMAR S	AB	/	/	/	/
16	20103016	SHARUMATHI R	/	/	/	/	/
17	20103017	THENSWETHA P.N	/	/	/	/	/

R. D. ———
 Course Coordinator


 HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Cyber security

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S.No	REGISTER NO	NAME OF THE STUDENTS	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
1	20111001	ABILASH.M	/	/	/	/	/
2	20111002	ADHITHYA G KRISHNA	/	/	/	/	/
3	20111003	ADHITHYA.T	/	/	/	/	/
4	20111004	AKASH ANTONY.L	/	AB	AB	/	/
5	20111005	AKCHAYA.B	/	/	/	/	/
6	20111006	ANISTO MEJIN.A	/	/	/	/	/
7	20111007	ARUNKUMAR.S	AB	AB	AB	AB	AB
8	20111008	BARATHINIKESHAN.S	/	/	/	/	/
9	20111009	BEN GARRY	/	/	/	/	/
10	20111010	BHARATH KUMAR.G	/	/	/	/	/
11	20111011	DHARNESH.L	/	/	/	/	/
12	20111012	DHARSHINI.S.R	/	/	/	/	/
13	20111013	DHINESH.M	/	/	/	/	/
14	20111014	GOPIKRISHNAN.S	/	/	/	/	/
15	20111015	HARIDHARAN.A	/	/	/	/	/
16	20111016	HARIHARAN.R	/	/	/	/	/
17	20111017	HARIHARAN.S.B	/	/	/	/	/
18	20111018	HARIHARAN.S.B	/	/	/	/	/
19	20111019	HARINIPRIYA.R.S	/	/	/	/	/
20	20111020	HARISH JAYARAJ.B	/	/	/	/	/
21	20111021	JEYASENAADHI.J	/	/	/	/	/
22	20111022	KABILAN.S	/	/	/	/	/
23	20111023	KAPILSURYA.R	/	/	/	/	/
24	20111024	KAVIYARAJ.S.S	/	/	/	/	/
25	20111025	KAVIYARASU.G	/	/	/	/	/
26	20111026	KIRUTHIKA.Y	/	/	/	/	/
27	20111027	KOWSHIK.E	/	/	/	/	/
28	20111028	KUBENDIRAN.E	/	/	/	/	/
29	20111029	MANIKANDAN.N	/	/	/	/	/
30	20111030	MANOJ.K	/	/	/	/	/
31	20111031	MOHAMMED AZARUDEEN.N	AB	AB	AB	AB	AB
32	20111032	MOHANRAJ.M	/	/	/	/	/
33	20111033	MONISHKANNA.R	/	/	/	/	/

34	20111034	MUKESH.M	/	/	/	/	/
35	20111035	PARAMANANTHAN.N	/	/	/	/	/
36	20111036	PRABHAKARAN.S	/	/	/	/	/
37	20111037	PRAVEEN RAJ.E	/	/	/	/	/
38	20111038	PRAVEENA.S	/	/	/	/	/
39	20111039	RAHUL.P	/	/	/	/	/
40	20111040	RAVINDHAR.V	/	/	/	/	/
41	20111041	RITHICK.S	/	/	/	/	/
42	20111042	SANJAIKUMAR.B	/	/	/	/	/
43	20111043	SANJAY KUMAR.S	/	/	/	/	/
44	20111044	SANJAY.V	/	/	/	/	/
45	20111045	SARAN.V	AB	/	/	/	/
46	20111046	SARAVANA KUMAR.U	/	/	/	/	/
47	20111047	SATHEES KUMAR.M	/	/	/	/	/
48	20111048	SATHISH.B	/	/	/	/	/
49	20111049	SELVARASU.S	/	/	/	/	/
50	20111050	SHAJAN.M	/	/	/	/	/
51	20111051	SHANMUGAM.V	/	/	/	/	/
52	20111052	SIVARAMAKRISHNAN.D	/	/	/	/	/
53	20111053	SO'WMYA.V.M	/	/	/	/	/
54	20111054	SREETHER.R	/	/	/	/	/
55	20111055	SUCHIMITHA.D	/	/	/	/	/
56	20111056	SUDHARSAN.K	/	/	/	/	/
57	20111057	SURESH.S	/	/	/	/	/
58	20111058	SURIYAPRAKASH.S	/	/	/	/	/
59	20111059	THIRUPATHI.R	/	/	/	/	/
60	20111060	VENKATESWARAN.G	/	/	/	/	/
61	20111061	VIGNESH.K	/	/	/	/	/


Course Coordinator


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Food Technology

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S. NO	REG. NO	NAME OF THE STUDENTS	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
1	20203001	ABIN JOY MATHEW	/	/	/	/	/
2	20203002	AGATHIYAN.B	/	/	/	/	/
3	20203003	AJAI.M	/	/	/	/	/
4	20203004	ANANDHARAJ.T	/	/	/	/	/
5	20203005	ANJASHA JUHL.G	/	/	/	/	/
6	20203006	BALAKUMAR.K	/	/	/	/	/
7	20203007	BOOPATHI.M	/	/	/	/	/
8	20203008	CHANDRU.A	/	/	/	/	/
9	20203009	CHANDRU.T	/	/	/	/	/
10	20203010	DHARSHANLS.M	/	/	/	/	/
11	20203011	DINESH.N	/	/	/	/	/
12	20203012	GLADISH VINCY.D	/	/	/	/	/
13	20203013	GOBI.G	/	/	/	/	/
14	20203014	GOKULA PRIYA.A	/	/	/	/	/
15	20203015	GOPIKA SHREE	/	/	/	/	/
16	20203016	GOWTHAM.R	/	/	/	/	/
17	20203017	HARINI.P.A.M	/	/	/	/	/
18	20203018	HARIPRIYAN.C	/	/	/	/	/
19	20203019	HARIVISWARAJA.S	/	AB	AB	/	/
20	20203020	JAGADESHWARIS	/	/	/	/	/
21	20203021	JAGADHEESAN.A.V	/	/	/	/	/
22	20203022	JAINANDHINI	/	/	/	/	/
23	20203023	JAYASURYA.S	/	/	/	/	/
24	20203024	KALAIYARASAN.R	/	/	/	/	/
25	20203025	KIRUTHIKA.M	/	/	/	/	/
26	20203026	LAVANYA.M	/	/	/	/	/
27	20203027	MANOHARAN.T	/	/	/	/	/
28	20203028	MANOJ KUMAR.B	/	/	/	/	/
29	20203029	MEGHNA.G	/	/	/	/	/
30	20203030	MOTHESH.P	/	/	/	/	/
31	20203031	NEELAVATHI.U	/	/	/	/	/
32	20203032	NESAN.M	/	/	/	/	/

33	20203033	PAVITHRA.N	/	/	/	/	/
34	20203034	PONMOZHIM	/	/	/	/	/
35	20203035	PRASANTH.S	/	/	/	/	/
36	20203036	PRINCE PREMIER	/	/	AB	/	/
37	20203037	PRIYA.A	/	/	/	/	/
38	20203038	RAGUL.R	/	/	/	/	/
39	20203039	RAJARAJACHOLAN.A	/	/	/	/	/
40	20203040	RAJASHIMMAN.S	/	/	/	/	/
41	20203041	RAKESH.R	/	/	/	/	/
42	20203042	RAMACHANDRAN.K	/	/	/	/	/
43	20203043	RANJANA.J	/	/	/	/	/
44	20203044	SAI SUDHARSANAN.S.R	/	/	/	/	/
45	20203045	SHANTHINLP	/	/	/	/	/
46	20203046	SHILESH.S.R	/	/	/	/	/
47	20203047	SILAMBARASAN.P	/	/	/	/	/
48	20203048	SRI GANESH.V.G	/	/	/	/	/
49	20203049	SRILAKSHMI NARAYANAN.S	/	/	AB	/	/
50	20203050	SRISOMADHARSHINI.G	AB	AB	AB	AB	AB
51	20203051	SUMITHA.V	/	/	/	/	/
52	20203052	THIRISHA BHARATHI.G.K	/	/	/	/	/
53	20203053	THIRUMURUGAN.A	/	/	/	/	/
54	20203054	VASANTHAN.K	/	/	/	AB	/
55	20203055	VINOTHA.G	/	/	/	/	/
56	20203056	VINOTHA.S	/	/	/	/	/
57	20203057	VISHAALAAKSHLM	/	/	/	/	/

Course Coordinator

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Computer Science and Engineering(A)

YEAR /SEM: II

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S.No	REGISTER NO	NAME OF THE STUDENT	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
1	20104001	AFROZ.N	AB	AB	AB	AB	AB
2	20104002	AJAY.S	/	/	/	/	/
3	20104003	ARAVINTHRAJ.N.S	/	/	/	/	/
4	20104004	ARULSEVAR.S	/	/	/	/	/
5	20104005	ARUNKUMAR.A	/	/	/	/	/
6	20104006	ARUNPANDIYAN.M	/	/	/	/	/
7	20104007	ASMA BEGAM.M	/	/	/	/	/
8	20104008	ASNY RAJELIN.D	/	/	/	/	/
9	20104009	ATCHAYA.B	/	/	/	/	/
10	20104010	ATTHISH.P	/	/	/	/	/
11	20104011	AVINASH.K	/	/	/	/	/
12	20104012	BHUVANA.D	AB	AB	AB	AB	AB
13	20104013	CHENNAREDDY ESWAR CHANDRA SAI	/	/	/	/	/
14	20104014	DAVID PRAKASH.M	/	/	/	/	/
15	20104015	DEEPASREE.M	/	/	/	/	/
16	20104016	DHANABALAN.K	/	/	/	/	/
17	20104017	DHARANIDHARAN.N	/	/	/	/	/
18	20104018	DHARSHINI.G	/	/	/	/	/
19	20104019	DHARSHINI.S	/	/	/	/	/
20	20104020	DHINAKARAN.S	/	/	/	/	/
21	20104021	DILIP.T.U	/	/	/	/	/
22	20104022	DINESHBABU.S	/	/	/	/	/
23	20104023	DUDDU RADHA KRISHNA	/	/	/	/	/
24	20104024	GOKUL PRASANTH.G	/	/	/	/	/
25	20104025	GOKUL PRASATH.M	/	/	/	/	/
26	20104026	GOWTHAM.D	/	/	/	/	/
27	20104027	GUNA.T	/	/	/	/	/
28	20104028	HARI PRASATH.G	/	/	/	/	/
29	20104029	HARIHARAN.K	/	/	/	/	/
30	20104030	JAGADEESH.M	/	/	/	/	/
31	20104031	JAI SURIYA.S	/	/	/	/	/
32	20104032	JASWANTHRAJ.G	/	/	/	/	/
33	20104033	JEEVA.S	/	/	/	/	/
34	20104034	JEEVA.V	/	/	/	/	/
35	20104035	JEEVANKUMAR.S	/	/	/	/	/
36	20104036	JERUSHA.A.S	/	/	/	/	/

37	20104037	JEYAPANDI.M	/	/	/	/	/
38	20104038	KANNAN.P	/	/	/	/	/
39	20104039	KARTHICK.R	AB	AB	AB	AB	AB
40	20104040	KARTHIK.P	AB	AB	AB	AB	AB
41	20104041	KAVIN.M	/	/	/	/	/
42	20104042	KAVINKUMAR.S	AB	AB	AB	AB	AB
43	20104043	KAVINRAJA.S	AB	AB	AB	AB	AB
44	20104044	KEERTHANA.V	/	/	/	/	/
45	20104045	KEERTHIVASAN.V	/	/	/	/	/
46	20104046	KESAVAN.L	/	/	/	/	/
47	20104047	KESHAVARAJSHARMAA.R	/	/	/	/	/
48	20104048	KIRUBAKARAN.E	/	/	/	/	/
49	20104049	KIRUBHA.M	/	/	/	/	/
50	20104050	KISHORE KUMAR. AL	/	/	/	/	/
51	20104051	KISHORE NITHIN.N	/	/	/	/	/
52	20104052	KRISHNAXUMAR.G	/	/	/	/	/
53	20104053	LALITHKUMAR.V	/	/	/	/	/
54	20104054	MADESH.R	/	/	/	/	/
55	20104055	MAHANANTHAM.N	/	/	/	/	/
56	20104056	MAIBALAN.K	/	/	/	/	/
57	20104057	MANOJPRABHAKAR.P	/	/	/	/	/
58	20104058	MATHAKALA MANEESHA	/	/	/	/	/
59	20104059	MEKALA.M	/	/	/	/	/
60	20104060	MITHRAN.I.R	/	/	/	/	/
61	20104061	MOHANA PRIYA.V	/	/	/	/	/


Course Coordinator


MOD

**PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET**

DEPT: Electrical and Electronics Engineering

YEAR/SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S. NO	REG. NO	NAME OF THE STUDENTS	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
1	20106001	ARUN .A	/	/	/	/	/
2	20106002	ATHIKMOHAMMED S	/	/	/	/	/
3	20106003	BARANIKARTHICK T	/	/	/	/	/
4	20106004	BOOBALAN S	/	/	/	/	/
5	20106005	DHAMOTHARAN G	/	/	/	/	/
6	20106006	DHATCHANAMOORTHY V	/	/	/	/	/
7	20106007	DWARAKEESH N.K	/	/	/	/	/
8	20106008	GOWTHAM S.N	/	/	/	/	/
9	20106009	INIYAA M	/	/	/	/	/
10	20106010	KALAISELVAN P	/	/	/	/	/
11	20106011	KALIYAMMAL C	AB	/	AB	/	/
12	20106012	KARANKUMAR S	/	/	/	/	/
13	20106013	KAVINESAN R	/	/	/	/	/
14	20106014	KAVINTH S	/	/	/	/	/
15	20106015	KAVIYARASU C	/	/	/	/	/
16	20106016	KIRUTHIKA P	/	/	/	/	/
17	20106017	KOMARA PRASAD	/	/	/	/	/
18	20106018	LOGANATHAN T	/	/	/	/	/
19	20106019	MANIKANDAN B	/	/	/	/	/
20	20106020	MEGANATHAN M	AB	AB	/	/	/
21	20106021	MERLIN J	/	/	/	/	/
22	20106022	NAVEENKUMAR V	/	/	/	/	/
23	20106023	PARTHIBAN K	/	/	/	/	/
24	20106024	PRIYADHARSHINI S	/	/	/	/	/
25	20106025	RAHUL M	/	/	/	/	/
26	20106026	RAJIDHARAN M	/	/	/	/	/
27	20106027	RAVIKUMAR G	/	/	/	/	/
28	20106028	SANJAI R	/	/	/	/	/

29	20106029	SANJAI R	/	As	/	/	/
30	20106030	SANJAI RAJ A	/	/	/	/	/
31	20106031	SANJAY S	/	/	/	/	/
32	20106032	SANJAY KANTH V	/	As	/	/	/
33	20106033	SANTHOSH R	/	/	/	/	/
34	20106034	SARANKANTH M	/	/	/	/	/
35	20106035	SHARMILA S	/	/	/	/	/
36	20106036	SIVARAJ S	/	/	/	/	/
37	20106037	SRIMANIKANDAN S	/	/	/	/	/
38	20106038	SRIRAM J	/	/	/	/	/
39	20106039	SUGANESH R	/	/	/	/	/
40	20106040	SURENDIRAN A	/	/	/	/	/
41	20106041	VASANTHAKUMAR K	/	/	/	/	/
42	20106042	VEERASAMY K	/	/	/	/	/
43	20106043	VIGNESH P	/	/	/	/	/
44	20106044	VISWABHARATH V	/	/	/	/	/
45	20106045	YUVASHREE S	/	/	/	/	/


Course Coordinator


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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Computer Science and Engineering(B)

YEAR /SEM:1/1

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S.No	REGISTER NO	NAME OF THE STUDENT	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
1	20104062	MUGUNDHAN R	/	/	/	/	/
2	20104063	NANDHINI A	/	/	/	/	/
3	20104064	NANDHINI A	/	/	/	/	/
4	20104065	NANDHINI S	/	/	/	/	/
5	20104066	NARAYANASAMY V M	/	/	/	/	/
6	20104067	NATHISHKUMAR M	/	/	/	/	/
7	20104068	NAVEENVIJAY T	/	/	/	/	/
8	20104069	NAVINKRISHNA S R	/	/	/	/	/
9	20104070	NITHISHKUMAR N	/	/	/	/	/
10	20104071	NITHYASRI M	/	/	/	/	/
11	20104072	PAMIDI PRAHARSA S	AB	AB	AB	AB	AB
12	20104073	PRADEEPKUMAR A	/	/	/	/	/
13	20104074	PREETHI S	/	/	/	/	/
14	20104075	PRIYANKA S	/	/	/	/	/
15	20104076	PUGAZHENTHI K	/	/	/	/	/
16	20104077	RATHI S M	/	/	/	/	/
17	20104078	ROSHINI V	/	/	/	/	/
18	20104079	RUTHRA M	/	/	/	/	/
19	20104080	SABARINATHAN C	/	/	/	/	/
20	20104081	SAKTHISRIDHAR S B	/	/	/	/	/
21	20104082	SAMIDURAI D	/	/	/	/	/
22	20104083	SANJAYBABU M	/	/	/	/	/
23	20104084	SANJAY PRASANTH T M	/	/	/	/	/
24	20104085	SANTHOSH S	/	/	/	/	/
25	20104086	SANTHOSHKUMAR C	/	/	/	/	/
26	20104087	SARAN V	/	/	/	/	/
27	20104088	SARANYA S	/	/	/	/	/
28	20104089	SASIREKHA R	/	/	/	/	/
29	20104090	SETHUPATHI C	/	/	/	/	/
30	20104091	SHARAVANAN A K	/	/	/	/	/
31	20104092	SIMILAUREN J	/	/	/	/	/
32	20104093	SOUNDHARAJAN S	/	/	/	/	/
33	20104094	SOWMYA K	/	/	/	/	/

34	20104095	SRIKANTH J	AB	AB	AB	AB	AB
35	20104096	SRIKANTH K	/	/	/	/	/
36	20104097	SRIKANTH S	/	/	/	/	/
37	20104098	SUBA R	/	/	/	/	/
38	20104099	SUBHIKSHA G B	/	/	/	/	/
39	20104100	SUJITH D	/	/	/	/	/
40	20104101	SURESH E	/	/	/	/	/
41	20104102	SURIYA A	AB	AB	AB	AB	AB
42	20104103	SURYA R	/	/	/	/	/
43	20104104	SWITHA R	/	/	/	/	/
44	20104105	UMMADIPOLULAKSHMI LAHARI	/	/	/	/	/
45	20104106	VAGRASRI S	/	/	/	/	/
46	20104107	VARSHINI S	/	/	/	/	/
47	20104108	VASANTHAN B	/	/	/	/	/
48	20104109	VASANTHKUMAR S	/	/	/	/	/
49	20104110	VASIKARAN M	/	/	/	/	/
50	20104111	VETRISELVAN V	/	/	/	/	/
51	20104112	VIGNESHWAREN K	/	/	/	/	/
52	20104113	VIMALRAJ S	/	/	/	/	/
53	20104114	VISWATEJA S	/	/	/	/	/
54	20104115	YOGASUNDARAM K	/	/	/	/	/
55	20104116	YUKESHKUMAR A	/	/	/	/	/



Course Coordinator



HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Electronics and Communication Engineering (A)
YEAR /SEM:II
NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S NO	REG NO	NAME OF THE STUDENTS	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
1	20105001	ADHILABANU A	/	/	/	/	/
2	20105002	AKASHKRISHNA P	/	/	/	/	/
3	20105003	ANAND R	/	/	/	/	/
4	20105004	ANBARASU N	/	/	/	/	/
5	20105005	ANBUKKARASAN H	/	/	/	/	/
6	20105006	ANNAMALAI G	/	/	/	/	/
7	20105007	ARUL JOTHI R	/	/	/	/	/
8	20105008	ASHMEERHAAN R	/	/	/	/	/
9	20105009	AVANTHIKA K	/	/	/	/	/
10	20105010	AVULA ANJANEYA YADAV	AB	AB	/	/	/
11	20105011	BARANIDHARAN S	/	/	/	/	/
12	20105012	CHANDRU B	/	/	/	/	/
13	20105013	DANIEL J	/	/	/	/	/
14	20105014	DAVA PAVAN SAI SRINIVAS	/	/	/	/	/
15	20105015	DHARANI B	/	/	/	/	/
16	20105016	DINESHKUMAR M	/	/	/	/	/
17	20105017	ESWARAN S	/	/	/	/	/
18	20105018	GOVARDHINI M	/	/	/	/	/
19	20105019	GOWTHAM K	/	/	/	/	/
20	20105020	HARIKRISHNAN K	/	/	/	/	/
21	20105021	HARISH G	/	/	/	/	/
22	20105022	HEMASREE L	/	/	/	/	/
23	20105023	JANANI M	/	/	/	/	/
24	20105024	JANATHIV R	/	/	/	/	/
25	20105025	KALAISELVAM P	AB	AB	/	/	/
26	20105026	KAMALRAJ M	/	/	/	/	/
27	20105027	KANNAN G	/	/	/	/	/
28	20105028	KARTHIKEYAN S	/	/	/	/	/
29	20105029	LIVINKUMAR S	/	/	/	/	/
30	20105030	MADHAN S	/	/	/	/	/
31	20105031	MAGESHVARAN K	/	/	/	/	/
32	20105032	MANOKARAN R	/	/	/	/	/
33	20105033	MOHANAPRIYA T	/	/	/	/	/
34	20105034	MONICKA SHREE A	/	/	/	/	/
35	20105035	MONIKA G	/	/	/	/	/

36	20105036	REDDY	AB	AB	/	/	/
37	20105037	MUTHUPANDIAN R	/	/	/	/	/
38	20105038	NARMADHA M	/	/	/	/	/
39	20105039	NAVEEN KUMAR S	/	/	/	/	/
40	20105040	NAVEEN S	/	/	/	/	/
41	20105041	NAVEENKUMAR V	/	/	/	/	/
42	20105042	NAVISE RENIHA P	/	/	/	/	/
43	20105043	NIRANJAN S	/	/	/	/	/
44	20105044	NITHYABHARATHI S	/	/	/	/	/
45	20105045	PARAMESWARAN T	/	/	/	/	/
46	20105046	PATAN SAMDANBASA	/	/	/	/	/
47	20105047	PEDDAMALA LOKESH	/	/	/	/	/
48	20105048	POOVIZHI K	/	/	/	/	/
49	20105049	PRAGATHI RAY S	/	/	/	/	/
50	20105050	PRASANTHKUMAR P	/	/	/	/	/
51	20105051	PRAVEEN K	/	/	/	/	/
52	20105052	PRIYADHARSHINI M	/	/	/	/	/
53	20105053	ROHITH S	/	/	/	/	/
54	20105054	ROSHAN KUMAR D	/	/	/	/	/
55	20105055	SAKTHIVEL A	/	/	/	/	/
56	20105056	SATHYANARAYANAN V	AB	AB	/	/	/
57	20105057	SATHYAPRAKASH J	/	/	/	/	/
58	20105058	SHANMATHI V	/	/	/	/	/
59	20105059	SINDHUJA R	/	/	/	/	/
60	20105060	SIRAJUDEEN H	/	/	/	/	/
61	20105061	SOMASEKARA S	/	/	/	/	/
62	20105062	SRI KANTH S	AB	AB	AB	/	/
63	20105063	SUTHI B	/	/	/	/	/
64	20105064	TAMILSELVAN P	/	/	/	/	/
65	20105065	VENGADESH B	/	/	/	/	/
66	20105066	VIKRAM M	/	/	/	/	/
67	20105067	VINOTHKUMAR V	/	/	/	/	/
68	20105068	YATHISHWAR JC	/	/	/	/	/


Course Coordinator


HOD

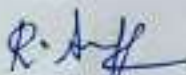
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Mechatronics Engineering

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S. NO	REG. NO	NAME OF THE STUDENTS	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
1	20108001	ADHITHYA.M	/	/	/	/	/
2	20108002	ADITYA.K	/	/	/	/	/
3	20108003	BARATH.S	/	/	/	/	/
4	20108004	DHINESH.K	/	/	/	/	/
5	20108005	DINESHKUMAR.G	/	/	/	/	/
6	20108006	FINNEY BABU	AB	AB	/	/	/
7	20108007	KAMALESH.N	/	/	/	/	/
8	20108008	KRISHVA.R	/	/	/	/	/
9	20108009	MEGANATHAN.C	/	/	/	/	/
10	20108010	NAVEEN.V	/	/	/	/	/
11	20108011	OVIYA.M	AB	AB	AB	AB	AB
12	20108012	PARTHIBAN.S	/	/	/	/	/
13	20108013	PUGAZHENTHILE	/	/	/	/	/
14	20108014	RAMACHANDRAN.S	AB	AB	/	/	/
15	20108015	SARAN.G	/	/	/	/	/
16	20108016	SENTHAMIL SELVAN.M	/	/	/	/	/
17	20108017	VIJAY.K	/	/	/	/	/
18	20108018	YANAMALA MAHISUDHARASAN RAJU	AB	AB	/	/	/
19	20108019	YOGESHWARAN.B	/	/	/	/	/


 Course Coordinator


 HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Pharmaceutical Engineering

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S. NO	REG. NO	NAME OF THE STUDENTS	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
1	20204001	AARTHI J L	/	/	/	/	/
2	20204002	AKASH R	AB	/	/	/	/
3	20204003	BALAMURUGAN M	/	/	/	/	/
4	20204004	BHARATHRAM R	/	/	/	/	/
5	20204005	CHANDRU S	/	/	AB	/	/
6	20204006	DHARANI M	/	/	/	/	/
7	20204007	DHARSHINI D	/	/	/	/	/
8	20204008	DHARSHINI S	/	/	/	/	/
9	20204009	GAJENDRAN K	/	AB	/	/	/
10	20204010	GANESHPRABHA M	/	/	/	/	/
11	20204011	GAYATHRI A	/	/	/	/	AB
12	20204012	GOKULAKANNAN K	/	/	/	/	/
13	20204013	GOKUL KANNAN C	/	/	/	/	/
14	20204014	GURUPRASANNA S	/	/	/	/	/
15	20204015	HARISH S	/	/	/	/	/
16	20204016	HEMAPRIYADHARSHINI P	/	/	/	/	/
17	20204017	INDHUMATHI K	AB	AB	AB	AB	AB
18	20204018	INDHUMATHI N	/	/	/	/	/
19	20204019	JANSIRANI V	AB	/	/	/	/
20	20204020	JOSPIN PREETHI S	/	/	AB	/	/
21	20204021	JOSWA A	/	/	/	/	/
22	20204022	KALAISELVAN P S	/	AB	/	/	/
23	20204023	KARISHMA B	/	/	/	/	/
24	20204024	KEERTHANA G	/	/	/	/	/
25	20204025	KRIUBA V	/	/	/	/	/
26	20204026	KIRUTHIKA K	/	/	AB	/	/
27	20204027	KUMARAN S	/	/	/	/	/
28	20204028	KUMARESAN D	/	/	/	/	/

29	20204029	LOGANATHAN P	/	AB	/	/	/
30	20204030	MAHADEVI D	/	/	/	/	/
31	20204031	MANKANDAN A K	/	/	/	AB	/
32	20204032	MENAGA C	/	/	/	/	/
33	20204033	PONSUMANRAJ S	/	AB	/	/	/
34	20204034	PREETHI S	/	/	/	/	/
35	20204035	PREMKUMAR R	/	/	/	/	/
36	20204036	PRIYADHARSHINI K	/	/	/	/	/
37	20204037	SANGEETHA G	/	/	/	/	/
38	20204038	SANJAY C	AB	AB	AB	AB	AB
39	20204039	SANTHIYA R	/	/	/	/	/
40	20204040	SANTOSH S	/	/	/	/	AB
41	20204041	SILAMBARASAN P	/	/	/	/	/
42	20204042	SNEGA V	/	/	/	/	/
43	20204043	SOWMYA R	AB	/	/	/	/
44	20204044	SRIKANTH N	/	/	/	/	/
45	20204045	SRIMATHI T	/	/	/	/	/
46	20204046	SUMA R	/	/	AB	/	/
47	20204047	SURENDAR A	/	/	/	/	/
48	20204048	THIRUMALAI A	/	/	/	/	/
49	20204049	THULASIMANI D	/	/	/	/	/
50	20204050	VAISHNAVI B	/	/	/	/	/
51	20204051	VENKATESH V	/	/	/	/	/
52	20204052	VIGNESHWARAN S	/	/	/	/	/
53	20204053	VIJAYAKUMAR V	/	/	/	/	/
54	20204054	VINITHA S	AB	AB	AB	AB	AB

R. D. L. F
Course Coordinator


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Information Technology
 YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S.NO	REG.NO	NAME OF THE STUDENTS	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21
1	20202001	AISHWARYA.S	/	/	/	/	/
2	20202002	AJAY.A	/	/	/	/	/
3	20202003	ANTONY JAYANELSON.J	AB	AB	AB	AB	AB
4	20202004	ATCHAYA.M	/	/	/	/	/
5	20202005	BALESHWARAN.D	/	/	/	/	/
6	20202006	BARATH KUMAR.S	/	/	/	/	/
7	20202007	BARATH.S	/	/	/	/	/
8	20202008	BOWTHIKA.K	/	/	/	/	/
9	20202009	CHANDRAMENON.E	/	/	/	/	/
10	20202010	CHARAN.R	AB	AB	AB	AB	AB
11	20202011	CHIRANJEEVI.S	/	/	/	/	/
12	20202012	DEVADARSHINI.S	/	/	/	/	/
13	20202013	DEVADHARSHINI.R	/	/	/	/	/
14	20202014	DHANUSHKUMAR.S	/	/	/	/	/
15	20202015	DHIVYAPRIYA.K	/	/	/	/	/
16	20202016	DINESHKUMAR.G	/	/	/	/	/
17	20202017	DURGADEVI.R	/	/	/	/	/
18	20202018	ELAVARASAN.A	/	/	/	/	/
19	20202019	GOWTHAM.D	/	/	/	/	/
20	20202020	GUNASEELAN.S	/	/	/	/	/
21	20202021	HARSHINI.S	/	/	/	/	/
22	20202022	JAWAHAR.E	/	/	/	/	/
23	20202023	JAYAKRISHNAN.V	AB	AB	AB	AB	AB
24	20202024	JEEVANATH.P	/	/	/	/	/
25	20202025	KAMATCHI PRIYA.D	/	/	/	/	/
26	20202026	KANDHASAMY.V	/	/	/	/	/
27	20202027	KARRAN.J	/	/	/	/	/
28	20202028	KOWSHIKA.E	/	/	/	/	/
29	20202029	LOKESH.S	/	/	/	/	/
30	20202030	NADANASIVAM.A	/	/	/	/	/
31	20202031	NARESH.A.P	/	/	/	/	/
32	20202032	NAVEEN KUMAR.A	/	/	/	/	/
33	20202033	NAVEEN.A	/	/	/	/	/

34	20202034	NITHEESHWARAN.S.M	/	/	/	/	/
35	20202035	PANDI.C	/	/	/	/	/
36	20202036	PARTHIBAN.M	/	/	/	/	/
37	20202037	PRIYADHARSHINI.B	/	/	/	/	/
38	20202038	RAGHULA	/	/	/	/	/
39	20202039	RAJAN.A	/	/	/	/	/
40	20202040	RAJESWARAN.T	/	/	/	/	/
41	20202041	RAMANAN.A	/	/	/	/	/
42	20202042	RAMANI.S	/	/	/	/	/
43	20202043	RITHIKA.S	/	/	/	/	/
44	20202044	SABARESH.M	AB	AB	AB	AB	AB
45	20202045	SAM.P	AB	AB	AB	AB	AB
46	20202046	SANTHOSH KUMAR.A	/	/	/	/	/
47	20202047	SANTHOSHKUMAR.G	/	/	/	/	/
48	20202048	SELVAMANI.S	/	/	/	/	/
49	20202049	SHABARIE.S	/	/	/	/	/
50	20202050	SHARMILA.K	/	/	/	/	/
51	20202051	SNEKA.C	/	/	/	/	/
52	20202052	SOWMEYA.B	/	/	/	/	/
53	20202053	SOWMIYA.K	/	/	/	/	/
54	20202054	SRIRAM.K	/	/	/	/	/
55	20202055	SUDHAN.B	/	/	/	/	/
56	20202056	SWETHA.V	/	/	/	/	/
57	20202057	VASEEKARAN.M	/	/	/	/	/
58	20202058	VIGNESH KUMAR.R	/	/	/	/	/
59	20202059	VIJAYA RAGHAVAN.S.P	/	/	/	/	/
60	20202060	VIKRAM RAJA.S	/	/	/	/	/
61	20202061	VIKRAM.M	/	/	/	/	/
62	20202062	VIMAL KUMAR.K	/	/	/	/	/

A. Reng
Course Coordinator

X
HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Science and Humanities

CERTIFICATE

This is to certify that

ABIRAMI S

of Paavai Engineering College, studying in first year Agriculture Engineering has successfully completed the value added course 20GEVC101/201 HUMAN RIGHTS AND DUTIES the duration of the course is 30 hours (15.02.2021 to 19.02.2021).

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

ASHOK KUMAR A

of Paavai Engineering College, studying in first year Agriculture Engineering has successfully completed the value added course 20GEVC101/201 HUMAN RIGHTS AND DUTIES the duration of the course is 30 hours (15.02.2021 to 19.02.2021).

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

DHARNISH A

of Paavai Engineering College, studying in first year Agriculture Engineering has successfully completed the value added course 20GEVC101/201 HUMAN RIGHTS AND DUTIES the duration of the course is 30 hours (15.02.2021 to 19.02.2021).

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

DHIVYA V

of Paavai Engineering College, studying in first year Agriculture Engineering has successfully completed the value added course 20GEVC101/201 HUMAN RIGHTS AND DUTIES the duration of the course is 30 hours (15.02.2021 to 19.02.2021).

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

ABDUL KAFEEL S

of Paavai Engineering College, studying in first year Agriculture Engineering has successfully completed the value added course 20GEVC101/201 HUMAN RIGHTS AND DUTIES the duration of the course is 30 hours (15.02.2021 to 19.02.2021).

Course Coordinator

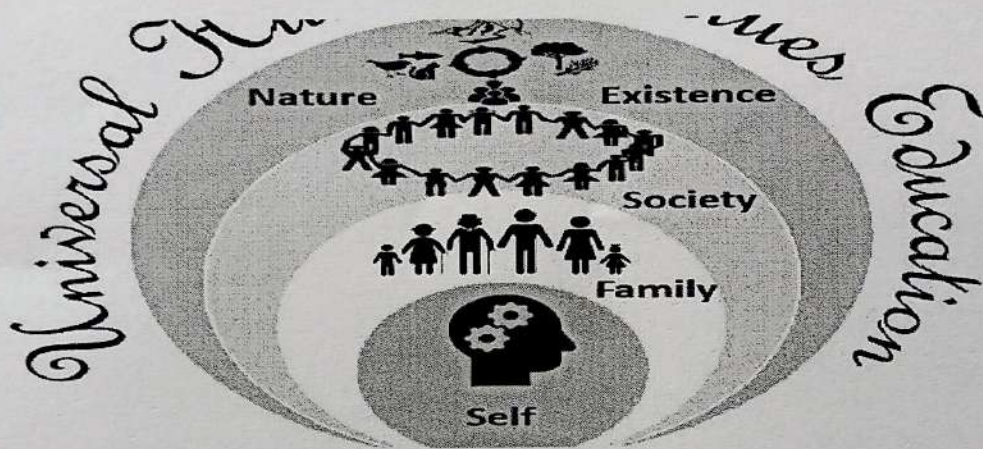
HOD

Principal

PAAVAI ENGINEERING COLLEGE
(Autonomous)
DEPARTMENT OF SCIENCE AND HUMANITIES
VALUE ADDED COURSE
20GEVC101/201 - HUMAN VALUE
(Online mode)

About The Course:

Human values course enables the student to discover and understand the innate value of human being in every aspect of life (individual, family, society, nature/existence), reinforce the commitment and courage to live accordingly. This course to develop student ability to distinguish between what is of value and what is superficial in life and also to develop the ability to face difficult situations in life boldly and resolve them confidently.



INTENDED AUDIENCE:



- All the first year of B.E., B.Tech Students



PAAVAI ENGINEERING COLLEGE, NAMAKAL-637018
(As Autonomous Institution - Affiliated to Anna University, Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date: 02.06.2021

CIRCULAR

It is planned to conduct a Five Day Trainnig Course on "Human Values" for our first year students from 14.06.2021 to 18.06.2021. Interested students can enroll their names to the course coordinator Dr.N.DHANNABALAN, Associate Professor / Chemistry on or before 08.06.2021.

Course coordinatorr: 1) Dr.N.Dhannabalan, ASP / Chemistry.


HOD/S&H

Copy to:

- 1) All Students
- 2) Notice board

Open link:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_Y2M0M2U4YTMtYzVIYS00OGMxLTkwZWltYzkwZWUxYmExOTdl%40thread.v2/0?context=%7b%22Tid%22%3a%220e12e443-9474-407f-a440-2c8f3f1bac5b%22%2c%22Oid%22%3a%2225a66c4d-69a2-4e3a-afc7-ed7130cb8538%22%7d

Course Coordinators:

- 1) Mr.P.Suresh, AP/ Physics
- 2). Mr. R.Dhanachezian, AP/ Physics
- 3). Dr.N.Dhannabalan,ASP / Chemistry
- 4)Mr.M.E.Hariharan AP/English
- 5) K.Uma, ASP/Maths
- 6) K.Thangamuniyappan, AP/Maths

COURSE OBJECTIVES:

- to help the students appreciate the essential complementarity between values and skills.
- to facilitate the development of a Holistic perspective forms the basis of Universal Human values and movement towards value-based living in a natural way
- to ensure sustained happiness and prosperity, which are the core aspirations of all human beings.

MODULE-I Introduction, Need, Basic Guidelines, Content and Process for Value Education

Understanding the need, basic guidelines, content and process for Value Education- Self Exploration-Natural Acceptance and Experiential Validation- as the mechanism for self-exploration- Continuous Happiness and Prosperity- - the basic requirements for fulfillment of aspirations of every human being with their correct priority.

MODULE -II Understanding Harmony in the Family and Society-

Harmony in Human -Human Relationship- Understanding Harmony in the family – the basic unit of human interaction- -Understanding Harmony in the Nature and Existence - Whole existence as Co-existence -Understanding the harmony in the Nature - Interconnectedness and mutual fulfillment among the four orders of nature recyclability and self-regulation in nature .

MODULE -III Understanding Harmony in the Human Being –

Implications of the above Holistic Understanding of Harmony on Professional Ethics - Natural acceptance of human values - Definitiveness of Ethical Human Conduct - Basis for Humanistic Education, Humanistic Constitution and Humanistic Universal Order.

TOTAL PERIODS:30**COURSE OUTCOMES:**

Students must gain knowledge on

- Understand and analyses the essentials of human values and skills, self-exploration, happiness and prosperity.
- The students become sensitive towards human values. They understand commitment and Responsibility.
- Understand the role of a human being in ensuring harmony in society and nature.

Text Books:

1. B L Bajpai, 2004, Indian Ethos and Modern Management, New Royal Book Co., Lucknow.
Reprinted 2008.
2. PL Dhar, RR Gaur, 1990, Science and Humanism, Commonwealth Publishers.
3. Susan George, 1976, How the Other Half Dies, Penguin Press. Reprinted 1986, 1991

Reference Books :

1. Ivan Illich, 1974, Energy & Equity, The Trinity Press, Worcester, and HarperCollins, USA
2. Donella H. Meadows, Dennis L. Meadows, Jorgen Randers, William W. Behrens III, 1972, limits to Growth, Club of Rome's Report, Universe Books.
3. Subhas Palekar, 2000, How to practice Natural Farming, Pracheen(Vaidik) Krishi Tantra Shodh, Amravati.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

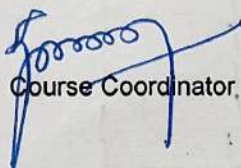
DEPT : Food Technology

YEAR / SEM: I / I

NAME OF THE COURSE: 20GEVC101/201 Human Values

1	20203001	ABIN JOY MATHEW	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
2	20203002	AGATHIYAN.B	/	/	/	/	/
3	20203003	AJALM	/	/	/	/	/
4	20203004	ANANDHARAJ.T	/	/	/	/	/
5	20203005	ANJASHA JUHI.G	/	/	/	/	/
6	20203006	BALAKUMAR.K	/	/	/	/	/
7	20203007	BOOPATHI.M	/	/	/	/	/
8	20203008	CHANDRU.A	/	/	/	/	/
9	20203009	CHANDRU.T	/	/	/	/	/
10	20203010	DHARSHAN.S.M	/	/	/	/	/
11	20203011	DINESH.N	/	/	/	/	/
12	20203012	GLADISH VINCY.D	/	/	/	/	/
13	20203013	GOBI.G	/	/	/	/	/
14	20203014	GOKULA PRIYA.A	/	/	/	/	/
15	20203015	GOPIKA SHREE	/	/	/	/	/
16	20203016	GOWTHAM.R	/	/	/	/	/
17	20203017	HARINI.P.A.M	/	/	/	/	/
18	20203018	HARIPRIYAN.C	/	/	/	/	/
19	20203019	HARIVISWARAJA.S	/	/	/	/	/
20	20203020	JAGADESHWARI.S	/	/	/	/	/
21	20203021	JAGADHEESAN.A.V	/	/	/	/	/
22	20203022	JAINANDHINI	/	/	/	/	/
23	20203023	JAYASURYA.S	/	AB	/	/	/
24	20203024	KALAIYARASAN.R	/	/	/	/	/
25	20203025	KIRUTHIKA.M	/	/	/	/	/
26	20203026	LAVANYA.M	/	/	/	/	/
27	20203027	MANOHARAN.T	/	/	/	AB	/
28	20203028	MANOJ KUMAR.B	/	/	/	/	/
29	20203029	MEGHNA.G	/	/	/	/	/
30	20203030	MOTHESH.P	/	/	/	/	/
31	20203031	NEELAVATHI.U	/	/	/	/	/
32	20203032	NESAN.M	/	/	/	/	/
33	20203033	PAVITHRA.N	/	/	/	/	/
34	20203034	PONMOZHI.M	/	/	/	/	/
35	20203035	PRASANTH.S	/	/	/	/	/
36	20203036	PRINCE PREMIER	/	/	/	/	/
37	20203037	PRIYA.A	/	/	/	/	/
38	20203038	RAGUL.R	/	/	/	/	/
39	20203039	RAJARAJACHOLAN.A	/	/	/	/	/
40	20203040	RAJASHIMMAN.S	/	/	/	/	/

41	20203041	RAKESH.R	1	1	1	1	1
42	20203042	RAMACHANDRAN.K	1	1	1	1	1
43	20203043	RANJANA.J	1	1	1	1	1
44	20203044	SAI SUDHARSANAN.S.R	1	1	1	1	1
45	20203045	SHANTHINI.P	1	1	1	1	1
46	20203046	SHILESH.S.R	1	1	1	1	1
47	20203047	SILAMBARASAN.P	1	1	1	1	1
48	20203048	SRI GANESH.V.G	1	1	1	1	1
49	20203049	SRILAKSHMI NARAYANAN.S	1	1	1	1	1
50	20203050	SRISOMADHARSHINI.G	AB	AB	AB	AB	AB
51	20203051	SUMITHA.V	1	1	1	1	1
52	20203052	THIRISHA BHARATHI.G.K	1	1	1	1	1
53	20203053	THIRUMURUGAN.A	1	1	1	1	1
54	20203054	VASANTHAN.K	1	1	AB	1	1
55	20203055	VINOTHA.G	1	1	1	1	1
56	20203056	VINOTHA.S	1	1	1	1	1
57	20203057	VISHAALAAKSHI.M	1	1	1	1	1


Course Coordinator.


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

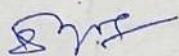
DEPT : Mechanical Engineering

YEAR /SEM: I/I

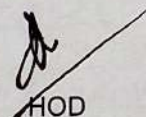
NAME OF THE COURSE: 20GEVC101/201 Human Values

S. NO	REG. NO	NAME OF THE STUDENTS	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
1	20107001	AAKASH.S	✓	✓	✓	✓	✓
2	20107002	AAKESH KUMAR.S	✓	✓	✓	✓	✓
3	20107003	ABDUL RAHMAN.N	✓	✓	✓	✓	✓
4	20107004	ABHISHEK BABU	✓	AB	✓	✓	✓
5	20107005	AJAY.P	✓	✓	✓	✓	✓
6	20107006	AKASH.G	AB	✓	✓	✓	✓
7	20107007	AKHIL RAJAN	✓	✓	✓	✓	✓
8	20107008	ANABARASAN .A	✓	AB	✓	✓	✓
9	20107009	ARUN.D	✓	✓	✓	✓	✓
10	20107010	BHARANI SHAKTHI DHARAN.D.S	✓	✓	✓	✓	✓
11	20107011	CHITHAMBARAM.M	✓	✓	✓	✓	✓
12	20107012	DEEPESH.M	✓	✓	✓	✓	✓
13	20107013	GOPALAKANNAN.M	✓	✓	✓	✓	✓
14	20107014	GOWTHAM.V	AB	AB	AB	AB	AB
15	20107015	JANARTHANAN.K	✓	✓	✓	✓	✓
16	20107016	JOBLIN GOUSHIK.A.S	AB	AB	AB	AB	AB
17	20107017	KAVIN.S	✓	✓	✓	✓	✓
18	20107018	KODIYARASAN.T	✓	✓	✓	✓	✓
19	20107019	MAHENDRAN.G	✓	✓	✓	✓	✓
20	20107020	MOHAMED NASAR.R	✓	✓	✓	✓	✓
21	20107021	MOORTHY.S	✓	✓	AB	✓	✓
22	20107022	NAVEENKUMAR.J	✓	✓	✓	✓	✓
23	20107023	NAVEENKUMAR.S	✓	✓	✓	✓	✓
24	20107024	NITHESH.T	✓	✓	✓	✓	✓
25	20107025	PARTHIBAN.T.A	✓	✓	✓	✓	✓
26	20107026	PRATHAP.M	✓	✓	✓	✓	✓
27	20107027	RAAVIN.A.P	✓	✓	✓	✓	✓
28	20107028	RAJENDRA PRASATH.V	AB	✓	✓	✓	✓
29	20107029	RAJKUMAR.K	✓	✓	✓	✓	✓
30	20107030	RAJKUMAR.T	✓	✓	AB	✓	✓
31	20107031	RANJITH KUMAR.V	✓	✓	✓	✓	✓
32	20107032	SARAN RAJ.T	✓	✓	✓	✓	✓
33	20107033	SARATHI.C	✓	AB	✓	AB	✓
34	20107034	SARATHI.S	✓	✓	✓	✓	✓
35	20107035	SASIDHARAN.V	✓	✓	✓	✓	✓
36	20107036	SATHISH.S	✓	✓	✓	✓	✓
37	20107037	SHARJIN PRAKASH.T	✓	AB	AB	✓	✓

38	20107038	SIVABALAJI.S	✓	✓	✓	✓	✓
39	20107039	SIVACHANDIRAN.C	✓	✓	✓	✓	✓
40	20107040	SIVASURYA.S	✓	✓	✓	✓	✓
41	20107041	SRINATH.D	✓	✓	✓	✓	✓
42	20107042	SUMITH.S	✓	✓	✓	✓	✓
43	20107043	THINESHKUMAR.M	✓	✓	✓	✓	✓
44	20107044	VENGATESAN.R	✓	✓	✓	✓	✓
45	20107045	VERTRIVEL.P	✓	✓	✓	✓	✓
46	20107046	VIGNESH.K	✓	✓	✓	✓	✓
47	20107047	VISHU.D	✓	✓	✓	✓	✓



Course Coordinator


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

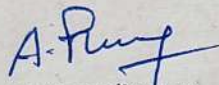
DEPT : Bio Medical Engineering

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Values

S.NO	Reg.No	Name of the Student	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
1	20109001	AJITHKUMAR.K	/	/	/	/	/
2	20109002	AJITHKUMAR.K	/	/	/	/	/
3	20109003	AKSHAYA.J	/	/	/	/	/
4	20109004	ANANDHARAJ.G	/	/	/	/	/
5	20109005	ARIVOLI.M	/	/	/	/	/
6	20109006	ARULKUMARAN.V	/	/	/	/	/
7	20109007	BALA.M	/	/	/	/	/
8	20109008	BALAJI.M	/	/	/	/	/
9	20109009	BALAMURUGAN.R	/	/	/	/	/
10	20109010	CHARUMATHI.S	/	/	/	/	/
11	20109011	DHEJJASWINI.E	/	/	/	/	/
12	20109012	DINESH KUMAR.G	AB	AB	AB	AB	AB
13	20109013	HARISH.P	/	/	/	/	/
14	20109014	HARISH.R	/	/	/	/	/
15	20109015	JAYAKRISHNAN.K	/	/	/	/	/
16	20109016	JAYAPRAKASH.R	/	/	/	/	/
17	20109017	JEEVITHA.K	/	/	/	/	/
18	20109018	JOHNSON.R	/	/	/	/	/
19	20109019	KANAGASANTHOSH.M.M	/	/	/	/	/
20	20109020	KIRUTHIKA.P	/	/	/	/	/
21	20109021	KRITHIKA.K	/	/	/	/	/
22	20109022	MAARVIN.M	/	/	/	/	/
23	20109023	MATHANKUMAR.M	/	/	/	/	/
24	20109024	MOHAMED ARSHATH.A	/	/	/	/	/
25	20109025	MOHAMMED SULTHAN.A	/	/	/	/	/
26	20109026	MUKILA.M	/	/	/	/	/
27	20109027	NANDEESHWARAN.J	/	/	/	/	/
28	20109028	NANDHA.G	/	/	/	/	/
29	20109029	NIBILE.S	AB	AB	AB	AB	AB
30	20109030	PAVITHRA.S	/	/	/	/	/
31	20109031	PRAKASH.K.V	/	/	/	/	/
32	20109032	PRASANNAPRIYA.R	/	/	/	/	/
33	20109033	PRASANTH.P	/	/	/	/	/
34	20109034	RAGAVARSHINI.S	/	/	/	/	/
35	20109035	ROSHAN KUMAR.V	/	/	/	/	/
36	20109036	RUGIYA.A	/	/	/	/	/
37	20109037	SAFA FAREN.M.J	/	/	/	/	/
38	20109038	SAKTHIVEL.M	/	/	/	/	/
39	20109039	SANDHIYA.S	/	/	/	/	/
40	20109040	SANJITH SWAMY.R	/	/	/	/	/

41	20109041	SANTHOSH.B	AB	AB	AB	AB	AB
42	20109042	SATHIYA.A	/	/	/	/	/
43	20109043	SELVAKUMAR.M	/	/	/	/	/
44	20109044	SELVAKUMAR.N	/	/	/	/	/
45	20109045	SENTHILKUMAR.N	/	/	/	/	/
46	20109046	SIVAMANI.S	/	/	/	/	/
47	20109047	SOUNDARYA.S	/	/	/	/	/
48	20109048	SOWNDARYA.S	/	/	/	/	/
49	20109049	SRIDHAR.S	/	/	/	/	/
50	20109050	SUBHIKSHA.S	/	/	/	/	/
51	20109051	SUDEEP.C	/	/	/	/	/
52	20109052	SUPRAJA.O	/	/	/	/	/
53	20109053	SUARNALATHA.V	/	/	/	/	/
54	20109054	SWETHA.S	/	/	/	/	/
55	20109055	VAJITHRA.C	/	/	/	/	/
56	20109056	VASANTHVEL.P	/	/	/	/	/
57	20109057	VIGNESH VARMA.H	/	/	/	/	/
58	20109058	VIJAI.V	/	/	/	/	/
59	20109059	VINOTHA.M	/	/	/	/	/
60	20109060	VISWA.R	/	/	/	/	/
61	20109061	YUVANESHWARAN.P	/	/	/	/	/


Course Coordinator


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
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ATTENDANCE SHEET

DEPT : Agriculture Engineering(A)

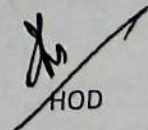
YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Rights and Duties

S. NO	REG. NO	NAME OF THE STUDENTS	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
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	20102009	ARULMOZHI.B	/	AB	/	/	/
10	20102010	ASHA.R	/	/	/	/	/
11	20102011	ASHOK KUMAR.A	/	/	/	/	/
12	20102012	BALAMURUGAN.M	/	/	/	/	/
13	20102013	BALASUBRAMANIAN.R	/	/	/	/	/
14	20102014	BOOBALAN.T	/	/	/	/	/
15	20102015	CHAMILI.U	/	/	/	/	/
16	20102016	CHINNAPPADOSS.P	/	/	/	/	/
17	20102017	CIBIRAAJ.N	/	/	/	/	/
18	20102018	DEEPAK RAJA.K	/	/	/	/	/
19	20102019	DHANALAKSHMI.A	/	/	/	/	/
20	20102020	DHANUSREE.G	/	/	/	/	/
21	20102021	DHARINISH A	/	/	/	/	/
22	20102022	DHASAPRAKASH.K	/	/	/	/	/
23	20102023	DHAYALAN.D	/	/	/	/	/
24	20102024	DHINESH.K	/	/	/	/	/
25	20102025	DHIVYA.K	/	/	/	/	/
26	20102026	DHIVYA.V	/	/	/	/	/
27	20102027	DHIVYADHARSHINI.M	/	/	/	/	/

29	20102029	DINESH.M	/	/	/	/	/
30	20102030	DIVYA.P.V	/	/	/	/	/
31	20102031	DIVYASHRITHA.M	/	/	/	/	/
32	20102032	DURGA NANDHINI.A	/	/	/	/	/
33	20102033	ELAIYARASU.M	/	/	/	/	/
34	20102034	GAYATHRI.E	/	/	/	/	/
35	20102035	GUNA.R	/	/	/	/	/
36	20102036	HANISHA.M.G	/	/	/	/	/
37	20102037	HANON JOS ALEX	/	/	/	/	/
38	20102038	HARIKARTHICK.R.R	/	/	/	/	/
39	20102039	HARINISRI.S.G	AB	AB	AB	AB	AB
40	20102040	HARISHMANO.K	/	/	/	/	/
41	20102041	HARISHWA.S	/	/	/	/	/
42	20102042	JANANI.T	/	/	/	/	/
43	20102043	JEEVA.M	/	/	/	/	/
44	20102044	JEEVANANDHAM.M	/	/	/	/	/
45	20102045	JEEVANANTHAM.M	/	/	/	/	/
46	20102046	KALAIBHARATHI.K	/	/	/	/	/
47	20102047	KAMALESHWARAN.A	/	/	/	/	/
48	20102048	KARTHICK.P	/	/	/	/	/
49	20102049	KARTHICK.V	/	/	/	/	/
50	20102050	KAVIARASAN.S	/	/	/	/	/
51	20102051	KAVINRAJ.S	/	/	/	/	/
52	20102052	KAVIYA.S	/	/	/	/	/
53	20102053	KAVYA.M	/	/	/	/	/
54	20102054	KISHAN RAJ.R	/	/	/	/	/
55	20102055	MADHUMITHA.R	/	/	/	/	/
56	20102056	MAHESHKUMAR	/	/	/	/	/
57	20102057	MALARVIZHI.J	/	/	/	/	/
58	20102058	MANOJKUMAR.A	/	/	/	/	/
59	20102059	MOULISHWARAN.R.N	/	/	/	/	/

R. D. F.
Course Coordinator


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR:2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Agriculture Engineering(B)

YEAR /SEM:I/I

NAME OF THE COURSE: 20GEVC101/201 Human Values

1	20102060	NANDHINI.K	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
2	20102061	NANDHINI.V	/	/	/	/	/
3	20102062	NANTHINI.S	/	/	/	/	/
4	20102063	NARMADHA.A.V	/	/	/	/	/
5	20102064	NEELAVENI.R	/	/	/	/	/
6	20102065	NISHA.P	/	/	/	/	/
7	20102066	NISHANTH.M	/	/	/	/	/
8	20102067	OVIYA.R	/	/	/	/	/
9	20102068	PARTHASARATHI.V	/	/	/	/	/
10	20102069	PAVITHRA.T	/	/	/	/	/
11	20102070	PERIYASAMY.R	AB	AB	AB	AB	AB
12	20102071	PRADEEP.A	/	/	/	/	/
13	20102072	PRAKASH.B	/	/	/	/	/
14	20102073	PRIYADHARSHINI.P	/	/	/	/	/
15	20102074	PRIYADHARSHINI.S	/	/	/	/	/
16	20102075	RAJASAKTHEESWARAN.C	/	/	AB	/	/
17	20102076	RAMANA SELVI.S	/	/	/	/	/
18	20102077	RAMKUMAR.R	/	/	/	/	/
19	20102078	ROHITH.B	AB	AB	AB	AB	AB
20	20102079	ROSHINI MAHIZHA.P	/	/	/	/	/
21	20102080	RUTHRA.V	/	/	/	/	/
22	20102081	SAIJANARTHANAN.S	/	/	/	/	/
23	20102082	SAIKARTHICK.S	/	/	/	/	/
24	20102083	SAKTHIVEL.C	/	/	/	/	/
25	20102084	SANDHEESH.K.R	/	/	/	/	/
26	20102085	SANGEETHA KRISHNAN S	/	/	/	/	/
27	20102086	SANJAY.S	/	/	/	/	/
28	20102087	SASI.R	/	/	/	/	/
29	20102088	SATHISKAR.N	/	/	/	/	/
30	20102089	SATHYADARSHANA.K.K	/	/	/	/	/
31	20102090	SELLA.M	/	/	/	/	/
32	20102091	SELVAPRABHA.V	/	/	/	/	/
33	20102092	SHARMILA.V	/	/	/	/	/
34	20102093	SHIVANI.V	/	/	/	/	/
35	20102094	SIVA.S	/	AB	/	/	/
36	20102095	SIVALINGAM.M	/	/	/	/	/
37	20102096	SIVARAMAN.V	/	/	/	/	/
38	20102097	SNEHA.C	/	/	/	/	/

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
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DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Chemical Engineering

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Values

4	20201004	BOOBALAN N	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
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	THILLAISELVAN M	/	/	/	/	/
21	20201021	VIKRAM KRISHNA K	/	/	/	/	/
22	20201022	VINO S	/	/	/	/	/
23	20201023	VISALACHI B	/	/	/	/	/

Course Coordinator

HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : CIVIL Engineering

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Values

S. NO	REG. NO	NAME OF THE STUDENTS	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
1	20103001	ALUBILLI PARVATHI	/	/	/	/	/
2	20103002	DEVENTHIRAN E	/	/	/	/	/
3	20103003	DHARANI V	/	/	/	/	/
4	20103004	DHARUN D	/	/	/	/	/
5	20103005	GOHULA KRISHNAN K	/	/	/	/	/
6	20103006	GOKUL M	/	/	/	/	/
7	20103007	HARI KRISHNAN S	/	/	/	/	/
8	20103008	HUMAIRA M	/	/	/	/	/
9	20103009	KAVIN B	/	/	/	/	/
10	20103010	PRASANNA S	/	/	/	/	/
11	20103011	PRAVEEN G	/	/	/	/	/
12	20103012	PRIYADHARSAN T	/	/	/	/	/
13	20103013	RANJITH P	/	/	/	/	/
14	20103014	RUBHINI S	/	/	/	/	/
15	20103015	SARANKUMAR S	/	/	/	/	/
16	20103016	SHARUMATHI R	/	/	/	/	/
17	20103017	THENSWETHA P.N	/	/	/	/	/


 Course Coordinator


 HOD

DEPT : Computer Science and Engineering(A)

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Values

S.No	REGISTERNO	NAME OF THE STUDENT	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
1	20104001	AFROZ.N	AB	AB	AB	AB	AB
2	20104002	AJAY.S	/	/	/	/	/
3	20104003	ARAVINTHRAJ.N.S	/	/	/	/	/
4	20104004	ARULSELVAR.S	/	/	/	/	/
5	20104005	ARUNKUMAR.A	/	/	/	/	/
6	20104006	ARUNPANDIYAN. M	/	/	/	/	/
7	20104007	ASMA BEGAM.M	/	/	/	/	/
8	20104008	ASNY RAJELIN.D	/	/	/	/	/
9	20104009	ATCHAYA.B	/	/	/	/	/
10	20104010	ATTHISH.P	/	/	/	/	/
11	20104011	AVINASH.K	/	/	/	/	/
12	20104012	BHUVANA.D	AB	AB	AB	AB	AB
13	20104013	CHENNAREDDY ESWAR CHANDRA SAI	/	/	/	/	/
14	20104014	DAVID PRAKASH.M	/	/	/	/	/
15	20104015	DEEPASREE.M	/	/	/	/	/
16	20104016	DHANABALAN.K	/	/	/	/	/
17	20104017	DHARANIDHARAN.N	/	/	/	/	/
18	20104018	DHARSHINI.G	/	/	/	/	/
19	20104019	DHARSHINI.S	/	/	/	/	/
20	20104020	DHINAKARAN.S	/	/	/	/	/
21	20104021	DILIP.T.U	/	/	/	/	/
22	20104022	DINESHBABU.S	/	/	/	/	/
23	20104023	DUDDU RADHA KRISHNA	AB	AB	AB	AB	AB
24	20104024	GOKUL PRASANTH.G	/	/	/	/	/
25	20104025	GOKUL PRASATH.M	/	/	/	/	/
26	20104026	GOWTHAM.D	/	/	/	/	/
27	20104027	GUNA.T	/	/	/	/	/
28	20104028	HARI PRASATH.G	/	/	/	/	/
29	20104029	HARIHARAN.K	/	/	/	/	/
30	20104030	JAGADEESH.M	/	/	/	/	/
31	20104031	JAI SURIYA.S	/	/	/	/	/
32	20104032	JASWANTHRAJ.G	/	/	/	/	/
33	20104033	JEEVA.S	/	/	/	/	/
34	20104034	JEEVA.V	/	/	/	/	/
35	20104035	JEEVANKUMAR.S	/	/	/	/	/
36	20104036	JERUSHA.A.S	/	/	/	/	/
37	20104037	JEYAPANDI.M	/	/	/	/	/
38	20104038	KANNAN.P	/	/	/	/	/
39	20104039	KARTHICK.R	AB	AB	AB	AB	AB
40	20104040	KARTHIK.P	AB	AB	AB	AB	AB
41	20104041	KAVIN.M	/	/	/	/	/
42	20104042	KAVIN.M	/	/	/	/	/

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
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ACADEMIC YEAR: 2020-2021
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DEPT : Computer Science and Engineering(B)

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Values

S.No	REGISTER NO	NAME OF THE STUDENT	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
1	20104062	MUGUNDHAN R	/	/	/	/	/
2	20104063	NANDHINI A	/	/	/	/	/
3	20104064	NANDHINI A	/	/	/	/	/
4	20104065	NANDHINI S	/	/	/	/	/
5	20104066	NARAYANASAMY V M	/	/	/	/	/
6	20104067	NATHISHKUMAR M	/	/	/	/	/
7	20104068	NAVEENVIJAY T	AB	AB	AB	AB	AB
8	20104069	NAVINKRISHNA S R	/	/	/	/	/
9	20104070	NITHISHKUMAR N	/	/	/	/	/
10	20104071	NITHYASRI M	/	/	/	/	/
11	20104072	PAMIDI PRAHARSA S	/	/	/	/	/
12	20104073	PRADEEPKUMAR A	/	/	/	/	/
13	20104074	PREETHI S	/	/	/	/	/
14	20104075	PRIYANKA S	/	/	/	/	/
15	20104076	PUGAZHENTHI K	/	/	/	/	/
16	20104077	RATHIS M	/	/	/	/	/
17	20104078	ROSHINI V	/	/	/	/	/
18	20104079	RUTHRA M	/	/	/	/	/
19	20104080	SABARINATHAN C	/	/	/	/	/
20	20104081	SAKTHISRIDHAR S B	/	/	/	/	/
21	20104082	SAMIDURAI D	/	/	/	/	/
22	20104083	SANJAYBABU M	/	/	/	/	/
23	20104084	SANJAY PRASANTH T M	/	/	/	/	/
24	20104085	SANTHOSH S	/	/	/	/	/
25	20104086	SANTHOSHKUMAR C	/	/	/	/	/
26	20104087	SARAN V	/	/	/	/	/
27	20104088	SARANYA S	/	/	/	/	/
28	20104089	SASIREKHA R	/	/	/	/	/
29	20104090	SETHUPATHI C	/	/	/	/	/
30	20104091	SHARAVANAN A K	/	/	/	/	/
31	20104092	SIMILAUREN J	/	/	/	/	/
32	20104093	SOUNDHARAJAN S	/	/	/	/	/
33	20104094	SOWMYA K	/	/	/	/	/
34	20104095	SRIKANTH J	AB	AB	AB	AB	AB
35	20104096	SRIKANTH K	/	/	/	/	/
36	20104097	SRIKANTH S	/	/	/	/	/
37	20104098	SUBA R	/	/	/	/	/
38	20104099	SUBHIKSHA G B	/	/	/	/	/
39	20104100	SUJITH D	/	/	/	/	/

20104113	VIMALRAJ S	/	/	/	/	/
20104114	VISWATEJA S	/	/	/	/	/
20104115	YOGASUNDARAM K	/	/	/	/	/
20104116	YUKESHKUMAR A	/	/	/	/	/


Course Coordinator


HOD

**PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL**

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET


DEPT : Cyber security

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Values

S.No	REGISTER NO	NAME OF THE STUDENT	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
1	20111001	ABILASH.M	/	/	/	/	/
2	20111002	ADHITHYA G KRISHNA	/	/	/	/	/
3	20111003	ADHITHYA.T	/	/	/	/	/
4	20111004	AKASH ANTONY.L	AB	/	/	/	/
5	20111005	AKCHAYA.B	/	/	/	/	/
6	20111006	ANISTO MEJIN.A	/	/	/	/	/
7	20111007	ARUNKUMAR.S	/	/	/	/	/
8	20111008	BARATHINIKESHAN.S	/	/	/	/	/
9	20111009	BEN GARRY	/	/	/	/	/
10	20111010	BHARATH KUMAR.G	/	/	/	/	/
11	20111011	DHARNESH.L	/	/	/	/	/
12	20111012	DHARSHINI.S.R	/	/	/	/	/
13	20111013	DHINESH.M	/	/	/	/	/
14	20111014	GOPIKRISHNAN.S	/	/	/	/	/
15	20111015	HARIDHARAN.A	/	/	/	/	/
16	20111016	HARIHARAN.R	/	/	/	/	/
17	20111017	HARIHARAN.S.B	/	/	/	/	/
18	20111018	HARIHARAN.S.B	/	/	/	/	/
19	20111019	HARINIPRIYA.R.S	/	/	/	/	/
20	20111020	HARISH JAYARAJ.B	/	/	/	/	/
21	20111021	JEYASENAADHI.J	/	/	/	/	/
22	20111022	KABILAN.S	/	/	/	/	/
23	20111023	KAPILSURYA.R	/	/	/	/	/
24	20111024	KAVIYARAJ.S.S	/	/	/	/	/
25	20111025	KAVIYARASU.G	/	/	/	/	/
26	20111026	KIRUTHIKA.Y	/	/	/	/	/
27	20111027	KOWSHIK.E	/	/	/	/	/
28	20111028	KUBENDIRAN.E	/	/	/	/	/
29	20111029	MANIKANDAN.N	/	/	/	/	/
30	20111030	MANOJ.K	/	/	/	/	/
31	20111031	MOHAMMED AZARUDEEN.N	AB	/	/	/	/
32	20111032	MOHANRAJ.M	/	/	/	/	/
33	20111033	MONISHKANNA.R	/	/	/	/	/
34	20111034	MUKESH.M	/	/	/	/	/
35	20111035	PARAMANANTHAN.N	/	/	/	/	/
36	20111036	PRABHAKARAN.S	/	/	/	/	/
37	20111037	PRAVEEN RAJ.E	/	/	/	/	/
38	20111038	PRAVEENA.S	/	/	/	/	/
39	20111039	RAHUL.P	/	/	/	/	/

40	20111040	RAVINDHAR.V	/	/	/	/	/
41	20111041	RITHICK.S	/	/	/	/	/
42	20111042	SANJAIKUMAR.B	/	/	/	/	/
43	20111043	SANJAY KUMAR.S	/	/	/	/	/
44	20111044	SANJAY.V	/	/	/	/	/
45	20111045	SARAN.V	AB	AB	AB	AB	AB
46	20111046	SARAVANA KUMAR.U	/	/	/	/	/
47	20111047	SATHEES KUMAR.M	/	/	/	/	/
48	20111048	SATHISH.B	/	/	/	/	/
49	20111049	SELVARASU.S	/	/	/	/	/
50	20111050	SHAJAN.M	/	/	/	/	/
51	20111051	SHANMUGAM.V	/	/	/	/	/
52	20111052	SIVARAMAKRISHNAN.D	/	/	/	/	/
53	20111053	SOWMYA.V.M	/	/	/	/	/
54	20111054	SREETHER.R	/	/	/	/	/
55	20111055	SUCHIMITHA.D	/	/	/	AB	/
56	20111056	SUDHARSAN.K	/	/	/	/	/
57	20111057	SURESH.S	/	/	/	/	/
58	20111058	SURIYAPRAKASH.S	/	/	/	/	/
59	20111059	THIRUPATHI.R	/	/	/	/	/
60	20111060	VENKATESWARAN.G	/	/	/	/	/
61	20111061	VIGNESH.K	/	/	/	/	/

R. D. 
Course Coordinator


HOD

**PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL**

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

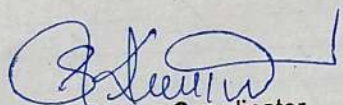
DEPT : Electronics and Communication Engineering (A)


YEAR / SEM: I / I

NAME OF THE COURSE: 20GEVC101/201 Human Values

S. NO	REG. NO	NAME OF THE STUDENTS	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
1	20105001	ADHILABANU A	/	/	/	/	/
2	20105002	AKASHKRISHNA P	/	/	/	/	/
3	20105003	ANAND R	/	/	/	/	/
4	20105004	ANBARASU N	/	/	/	/	/
5	20105005	ANBUKKARASAN H	/	/	/	/	/
6	20105006	ANNAMALAI G	/	/	/	/	/
7	20105007	ARUL JOTHI R	/	/	/	/	/
8	20105008	ASHMEERHAAN R	/	/	/	/	/
9	20105009	AVANTHIKA K	/	/	/	/	/
10	20105010	AVULA ANJANEYA YADAV	/	/	/	/	/
11	20105011	BARANIDHARAN S	/	/	/	/	/
12	20105012	CHANDRU B	/	/	/	/	/
13	20105013	DANIEL J	/	/	/	/	/
14	20105014	DAVA PAVAN SAI SRINIVAS	/	/	/	/	/
15	20105015	DHARANI B	/	/	/	/	/
16	20105016	DINESHKUMAR M	/	/	/	/	/
17	20105017	ESWARAN S	/	/	/	/	/
18	20105018	GOVARDHINI M	/	/	/	/	/
19	20105019	GOWTHAM K	/	/	/	/	/
20	20105020	HARIKRISHNAN K	/	/	/	/	/
21	20105021	HARISH G	/	/	/	/	/
22	20105022	HEMASREE L	/	/	/	/	/
23	20105023	JANANI M	/	/	/	/	/
24	20105024	JANATHIV R	/	/	/	/	/
25	20105025	KALAISELVAM P	/	/	/	/	/
26	20105026	KAMALRAJ M	AB	AB	/	/	/
27	20105027	KANNAN G	/	/	/	/	/
28	20105028	KARTHIKEYAN S	/	/	/	/	/
29	20105029	LIVINKUMAR S	/	/	/	/	/
30	20105030	MADHAN S	/	/	/	/	/
31	20105031	MAGESHVARAN K	/	/	/	/	/
32	20105032	MANOKARAN R	/	/	/	/	/
33	20105033	MOHANAPRIYA T	/	/	/	/	/
34	20105034	MONICKA SHREE A	/	/	/	/	/
35	20105035	MONIKA G	/	/	/	/	/
36	20105036	MULAKA VISHNU VARDHAN REDDY	/	/	/	/	/
37	20105037	MUTHUPANDIAN R	AB	AB	/	/	/
38	20105038	NARMADHA M	/	/	/	/	/
39	20105039	NAVEEN KUMAR S	/	/	/	/	/
40	20105040	NAVEEN S	/	/	/	/	/
41	20105041	NAVEENKUMAR V	/	/	/	/	/
42	20105042	NAVISE RENIHA P	/	/	/	/	/
43	20105043	NIRANJAN S	/	/	/	/	/
44	20105044	NITHYABHARATHI S	/	/	/	/	/
45	20105045	PARAMESWARAN T	/	/	/	/	/
46	20105046	PATAN SAMDANBASA	/	/	/	/	/

47	20105047	PEDDAMALA LOKESH	/	/	/	/	/
48	20105048	POOVIZHI K	/	/	/	/	/
49	20105049	PRAGATHI RAY S	/	/	/	/	/
50	20105050	PRASANTHKUMAR P	/	/	/	/	/
51	20105051	PRAVEEN K	/	/	/	/	/
52	20105052	PRIYADHARSHINI M	/	/	/	/	/
53	20105053	ROHITH S	/	/	/	/	/
54	20105054	ROSHAN KUMAR D	AB	AB	/	/	/
55	20105055	SAKTHIVEL A	AB	AB	/	/	/
56	20105056	SATHYANARAYANAN V	/	/	/	/	/
57	20105057	SATHYAPRAKASH J	AB	AB	/	/	/
58	20105058	SHANMATHI V	/	/	/	/	/
59	20105059	SINDHUJA R	/	/	/	/	/
60	20105060	SIRAJUDEEN H	/	/	/	/	/
61	20105061	SOMASEKARA S	AB	AB	AB	/	/
62	20105062	SRI KANTH S	/	/	/	/	/
63	20105063	SUTHI B	/	/	/	/	/
64	20105064	TAMILSELVAN P	/	/	/	/	/
65	20105065	VENGADESH B	/	/	/	/	/
66	20105066	VIKRAM M	/	/	/	/	/
67	20105067	VINOTHKUMAR V	/	/	/	/	/
68	20105068	YATHISHWAR JC	/	/	/	/	/


Course Coordinator


HOD

**PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL**

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT : Electrical and Electronics Engineering

YEAR / SEM: I / I

NAME OF THE COURSE: 20GEVC101/201 Human Values

			14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
1	20106001	ARUN .A					
2	20106002	ATHIKMOHAMMED S	/	/	/	/	/
3	20106003	BARANIKARTHICK T	/	/	/	/	/
4	20106004	BOOBALAN S	/	/	/	/	/
5	20106005	DHAMOTHARAN G	/	/	/	/	/
6	20106006	DHATCHANAMOORTHY V	/	/	/	/	/
7	20106007	DWARAKEESH N.K	/	/	/	/	/
8	20106008	GOWTHAM S.N	/	/	/	/	/
9	20106009	INIYAA M	/	/	/	/	/
10	20106010	KALAISELVAN P	/	/	/	/	/
11	20106011	KALIYAMMAL C	/	/	/	/	/
12	20106012	KARANKUMAR S	/	/	/	AB	AB
13	20106013	KAVINESAN R	/	/	/	/	/
14	20106014	KAVINTH S	/	AB	/	/	/
15	20106015	KAVIYARASU C	/	/	/	/	/
16	20106016	KIRUTHIKA P	/	/	/	/	/
17	20106017	KOMARA PRASAD	/	/	/	/	/
18	20106018	LOGANATHAN T	/	/	/	/	/
19	20106019	MANIKANDAN B	/	/	/	/	/
20	20106020	MEGANATHAN M	/	/	AB	AB	/
21	20106021	MERLIN J	/	/	/	/	/
22	20106022	NAVEENKUMAR V	/	/	/	/	/
23	20106023	PARTHIBAN K	/	/	/	/	/
24	20106024	PRIYADHARSHINI S	/	/	/	/	/
25	20106025	RAHUL M	/	/	/	/	/
26	20106026	RAJIDHARAN M	/	/	/	/	/
27	20106027	RAVIKUMAR G	/	/	/	/	/
28	20106028	SANJAI R	/	/	/	/	/
29	20106029	SANJAI R	/	/	/	/	/
30	20106030	SANJAI RAJ A	/	/	/	/	/
31	20106031	SANJAY S	/	/	/	/	/
32	20106032	SANJAYKANTH V	AB	/	/	/	/
33	20106033	SANTHOSH R	/	/	/	/	/
34	20106034	SARANKANTH M	/	/	/	/	/
35	20106035	SHARMILA S	/	/	/	/	/
36	20106036	SIVARAJ S	/	/	/	/	/
37	20106037	SRIMANIKANDAN S	/	/	/	/	/
38	20106038	SRIRAM J	/	/	/	/	/

39	20106039	SUGANESH R	/	/	/	/	/
40	20106040	SURENDIRAN A	/	AB	/	/	/
41	20106041	VASANTHAKUMAR K	/	/	/	/	/
42	20106042	VEERASAMY K	/	/	/	/	/
43	20106043	VIGNESH P	/	/	/	/	/
44	20106044	VISWABHARATH V	/	/	/	/	/
45	20106045	YUVASHREE S	/	/	/	/	/

A. Remy
Course Coordinator

[Signature]
HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR: 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT : Pharmaceutical Engineering

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Values

S. NO	REG. NO	NAME OF THE STUDENTS	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
1	20204001	AARTHI J L	/	/	/	/	/
2	20204002	AKASH R	/	/	/	/	/
3	20204003	BALAMURUGAN M	/	/	/	/	/
4	20204004	BHARATHRAM R	/	/	/	/	/
5	20204005	CHANDRU S	/	/	/	/	/
6	20204006	DHARANI M	/	/	/	/	/
7	20204007	DHARSHINI D	/	/	/	/	/
8	20204008	DHARSHINI S	/	/	/	/	/
9	20204009	GAJENDRAN K	/	/	/	/	/
10	20204010	GANESHPRABHA M	/	/	/	/	/
11	20204011	GAYATHRI A	/	/	/	/	/
12	20204012	GOKULAKANNAN K	/	/	/	/	/
13	20204013	GOKUL KANNAN C	/	/	/	/	/
14	20204014	GURUPRASANNA S	/	/	/	/	/
15	20204015	HARISH S	/	/	/	/	/
16	20204016	HEMAPRIYADHARSHINI P	/	/	AB	AB	/
17	20204017	INDHUMATHI K	AB	AB	AB	AB	AB
18	20204018	INDHUMATHI N	/	/	/	/	/
19	20204019	JANSIRANI V	/	/	/	/	/
20	20204020	JOSPIN PREETHI S	/	/	/	/	/
21	20204021	JOSWA A	/	/	/	/	/
22	20204022	KALAISELVAN P S	/	/	/	/	/
23	20204023	KARISHMA B	/	/	/	/	/
24	20204024	KEERTHANA G	/	/	/	/	/
25	20204025	KRIUBA V	/	/	/	/	/
26	20204026	KIRUTHIKA K	/	/	/	/	/
27	20204027	KUMARAN S	/	/	/	/	/
28	20204028	KUMARESAN D	/	/	/	/	/
29	20204029	LOGANATHAN P	/	/	/	/	/
30	20204030	MAHADEVI D	/	/	/	/	/
31	20204031	MANKANDAN A K	/	/	/	/	/
32	20204032	MENAGA C	/	/	/	/	/
33	20204033	PONSUMANRAJ S	/	/	/	/	/
34	20204034	PREETHI S	/	/	/	/	/
35	20204035	PREMKUMAR R	/	/	/	/	/

36	20204036	PRIYADHARSHINI K	/	/	/	/	/
37	20204037	SANGEETHA G	/	/	/	/	/
38	20204038	SANJAY C	/	/	/	/	/
39	20204039	SANTHIYA R	/	/	/	/	/
40	20204040	SANTOSH S	/	/	/	/	/
41	20204041	SILAMBARASAN P	/	/	/	/	/
42	20204042	SNEGA V	/	/	/	/	/
43	20204043	SOWMYA R	/	/	/	/	/
44	20204044	SRIKANTH N	/	/	/	/	/
45	20204045	SRIMATHI T	/	/	/	/	/
46	20204046	SUMA R	/	/	/	/	/
47	20204047	SURENDAR A	/	/	/	/	/
48	20204048	THIRUMALAI A	/	/	/	/	/
49	20204049	THULASIMANI D	/	/	/	/	/
50	20204050	VAISHNAVI B	/	/	/	/	/
51	20204051	VENKATESH V	/	/	/	/	/
52	20204052	VIGNESHWARAN S	/	/	/	/	/
53	20204053	VIJAYAKUMAR V	/	/	/	/	/
54	20204054	VINITHA S	AB	AB	AB	AB	AB


Course Coordinator


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Information Technology

YEAR / SEM: I/II


NAME OF THE COURSE: 20GEVC101/201 Human Values

S.NO	REG.NO	NAME OF THE STUDENTS	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
1	20202001	AISHWARYA.S	✓	✓	✓	✓	✓
2	20202002	AJAY.A	✓	✓	✓	✓	✓
3	20202003	ANTONY JAYANELSON.J	AB	AB	AB	AB	AB
4	20202004	ATCHAYA.M	✓	✓	✓	✓	✓
5	20202005	BALESHWARAN.D	✓	✓	✓	✓	✓
6	20202006	BARATH KUMAR.S	✓	✓	✓	✓	✓
7	20202007	BARATH.S	✓	✓	✓	✓	✓
8	20202008	BOWTHIKA.K	✓	✓	✓	✓	✓
9	20202009	CHANDRAMENON.E	✓	✓	✓	✓	✓
10	20202010	CHARAN.R	AB	AB	AB	AB	AB
11	20202011	CHIRANJEEVI.S	✓	✓	✓	✓	✓
12	20202012	DEVADARSHINI.S	✓	✓	✓	✓	✓
13	20202013	DEVADHARSHINI.R	✓	✓	✓	✓	✓
14	20202014	DHANUSHKUMAR.S	✓	✓	✓	✓	✓
15	20202015	DHIVYAPRIYA.K	✓	✓	✓	✓	✓
16	20202016	DINESHKUMAR.G	✓	✓	✓	✓	✓
17	20202017	DURGADEVI.R	✓	✓	✓	✓	✓
18	20202018	ELAVARASAN.A	✓	✓	✓	✓	✓
19	20202019	GOWTHAM.D	✓	✓	✓	✓	✓
20	20202020	GUNASEELAN.S	✓	✓	✓	✓	✓
21	20202021	HARSHINI.S	✓	✓	✓	✓	✓
22	20202022	JAWAHAR.E	✓	✓	✓	✓	✓
23	20202023	JAYAKRISHNAN.V	✓	✓	✓	✓	✓
24	20202024	JEEVANATH.P	✓	✓	✓	✓	✓
25	20202025	KAMATCHI PRIYA.D	✓	✓	✓	✓	✓
26	20202026	KANDHASAMY.V	✓	✓	✓	✓	✓
27	20202027	KARRAN.J	✓	✓	✓	✓	✓
28	20202028	KOWSHIKA.E	✓	✓	✓	✓	✓
29	20202029	LOKESH.S	✓	✓	✓	✓	✓
30	20202030	NADANASIVAM.A	✓	✓	✓	✓	✓
31	20202031	NARESH.A.P	✓	✓	✓	✓	✓
32	20202032	NAVEEN KUMAR.A	✓	✓	✓	✓	✓
33	20202033	NAVEEN.A	✓	✓	✓	✓	✓
34	20202034	NITHEESHWARAN.S.M	✓	✓	✓	✓	✓
35	20202035	PANDI.C	✓	✓	✓	✓	✓
36	20202036	PARTHIBAN.M	✓	✓	✓	✓	✓
37	20202037	PRIYADHARSHINI.B	✓	✓	✓	✓	✓

38	20202038	RAGHUL.A	1	1	1	1	1
39	20202039	RAJAN.A	1	1	1	1	1
40	20202040	RAJESWARAN.T	1	1	1	1	1
41	20202041	RAMANAN.A	1	1	1	1	1
42	20202042	RAMANI.S	1	1	1	1	1
43	20202043	RITHIKA.S	1	1	1	1	1
44	20202044	SABARESH.M	1	1	1	1	1
45	20202045	SAM.P	AB	AB	AB	AB	AB
46	20202046	SANTHOSH KUMAR.A	1	1	1	1	1
47	20202047	SANTHOSHKUMAR.G	1	1	1	1	1
48	20202048	SELVAMANI.S	1	1	1	1	1
49	20202049	SHABARIE.S	1	1	1	1	1
50	20202050	SHARMILA.K	1	1	1	1	1
51	20202051	SNEKA.C	1	1	1	1	1
52	20202052	SOWMEYA.B	1	1	1	1	1
53	20202053	SOWMIYA.K	1	1	1	1	1
54	20202054	SRIRAM.K	1	1	1	1	1
55	20202055	SUDHAN.B	1	1	1	1	1
56	20202056	SWETHA.V	1	1	1	1	1
57	20202057	VASEEKARAN.M	1	1	1	1	1
58	20202058	VIGNESH KUMAR.R	1	1	1	1	1
59	20202059	VIJAYA RAGHAVAN.S.P	1	1	1	1	1
60	20202060	VIKRAM RAJA.S	1	1	1	1	1
61	20202061	VIKRAM.M	1	1	1	1	1
62	20202062	VIMAL KUMAR.K	1	1	1	1	1



Course Coordinator



HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

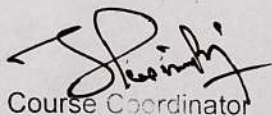
DEPT : Mechanical Engineering

YEAR / SEM: I / I

NAME OF THE COURSE: 20GEVC101/201 Human Values

S. NO	REG. NO	NAME OF THE STUDENTS	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
1	20107001	AAKASH.S	/	/	/	/	/
2	20107002	AAKESH KUMAR.S	/	/	/	/	/
3	20107003	ABDUL RAHMAN.N	/	/	/	/	/
4	20107004	ABHISHEK BABU	/	/	/	/	/
5	20107005	AJAY.P	/	/	/	/	/
6	20107006	AKASH.G	/	/	/	/	/
7	20107007	AKHIL RAJAN	/	/	/	/	/
8	20107008	ANABARASAN .A	/	/	/	/	/
9	20107009	ARUN.D	/	/	/	/	/
10	20107010	BHARANI SHAKTHI DHARAN.D.S	/	/	/	/	/
11	20107011	CHITHAMBARAM.M	/	/	/	/	/
12	20107012	DEEPESH.M	/	/	/	/	/
13	20107013	GOPALAKANNAN.M	/	/	/	/	/
14	20107014	GOWTHAM.V	AB	AB	AB	AB	AB
15	20107015	JANARTHANAN.K	/	/	/	/	/
16	20107016	JOBLIN GOUSHIK.A.S	AB	AB	AB	AB	AB
17	20107017	KAVIN.S	/	/	/	/	/
18	20107018	KODIYARASAN.T	/	/	/	/	/
19	20107019	MAHENDRAN.G	/	/	/	/	/
20	20107020	MOHAMED NASAR.R	/	/	/	/	/
21	20107021	MOORTHY.S	/	/	/	/	/
22	20107022	NAVEENKUMAR.J	/	/	/	/	/
23	20107023	NAVEENKUMAR.S	/	/	/	/	/
24	20107024	NITHESH.T	/	AB	/	/	/
25	20107025	PARTHIBAN.T.A	/	/	/	/	/
26	20107026	PRATHAP.M	/	/	/	/	/
27	20107027	RAAVIN.A.P	/	/	/	/	/
28	20107028	RAJENDRA PRASATH.V	/	/	/	/	/
29	20107029	RAJKUMAR.K	/	/	/	/	/
30	20107030	RAJKUMAR.T	/	/	/	/	/
31	20107031	RANJITH KUMAR.V	AB	/	/	/	/
32	20107032	SARAN RAJ.T	/	/	/	/	/
33	20107033	SARATHI.C	/	/	/	/	/
34	20107034	SARATHI.S	/	/	/	/	/
35	20107035	SASIDHARAN.V	/	/	/	/	/
36	20107036	SATHISH.S	/	/	/	AB	/
37	20107037	SHARJIN PRAKASH.T	/	/	/	/	/

38	20107038	SIVABALAJI.S	/	/	/	/	/
39	20107039	SIVACHANDIRAN.C	/	/	/	/	/
40	20107040	SIVASURYA.S	/	/	/	/	/
41	20107041	SRINATH.D	/	/	/	/	/
42	20107042	SUMITH.S	/	/	/	/	/
43	20107043	THINESHKUMAR.M	/	/	/	/	/
44	20107044	VENGATESAN.R	/	/	/	/	/
45	20107045	VERTRIVEL.P	/	/	/	/	/
46	20107046	VIGNESH.K	/	/	/	/	/
47	20107047	VISHU.D	/	/	/	/	/


Course Coordinator


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS),
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR: 2020-2021
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT : Food Technology

YEAR /SEM: I/I

NAME OF THE COURSE: 20GEVC101/201 Human Values

s.no	Reg.no	Students Name	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21
1	20203001	ABIN JOY MATHEW	/	/	/	/	/
2	20203002	AGATHIYAN.B	/	/	/	/	/
3	20203003	AJAI.M	/	/	/	/	/
4	20203004	ANANDHARAJ.T	/	/	/	/	/
5	20203005	ANJASHA JUHL.G	/	/	/	/	/
6	20203006	BALAKUMAR.K	/	/	/	/	/
7	20203007	BOOPATHI. M	/	/	/	/	/
8	20203008	CHANDRU.A	/	/	/	/	/
9	20203009	CHANDRU.T	/	/	/	/	/
10	20203010	DHARSHAN.S.M	/	/	/	/	/
11	20203011	DINESH.N	/	/	/	/	/
12	20203012	GLADISH VINCY.D	/	/	/	/	/
13	20203013	GOBI.G	AB	/	/	/	/
14	20203014	GOKULA PRIYA.A	/	/	/	/	/
15	20203015	GOPIKA SHREE	/	/	/	/	/
16	20203016	GOWTHAM.R	/	/	/	/	/
17	20203017	HARINI.P.A.M	/	/	/	/	/
18	20203018	HARIPRIYAN.C	/	/	/	/	/
19	20203019	HARIVISWARAJA.S	/	/	/	/	/
20	20203020	JAGADESHWARIS	/	/	/	/	/
21	20203021	JAGADHEESAN.A.V	/	/	/	/	/
22	20203022	JAINANDHINI	/	/	/	/	/
23	20203023	JAYASURYA.S	/	/	/	/	/
24	20203024	KALAIYARASAN.R	/	/	/	/	/
25	20203025	KIRUTHIKA.M	/	/	/	AB	/
26	20203026	LAVANYA.M	/	/	/	/	/
27	20203027	MANOHARAN.T	/	/	/	/	/
28	20203028	MANOJ KUMAR.B	/	/	/	/	/
29	20203029	MEGHAN.G	/	/	/	/	/
30	20203030	MOTHESH.P	/	/	/	/	/
31	20203031	NEELAVATHI.U	/	/	/	/	/
32	20203032	NESAN.M	/	/	/	AB	/
33	20203033	PAVITHRA.N	/	/	/	/	/
34	20203034	PONMURUGAN.M	/	/	/	/	/
35	20203035	PRASANTH.S	/	/	/	/	/
36	20203036	PRINCE PREMIER	/	/	/	/	/
37	20203037	PRIYA.V	/	/	/	/	/

38	20203038	RAGUL R	/	/	/	/	/
39	20203039	RAJARAJACHOLAN.A	/	/	AB	/	/
40	20203040	RAJASHEENIMAN.S	/	/	/	/	/
41	20203041	RAKESH R	/	/	/	/	/
42	20203042	RAMACHANDRAN.K	/	/	/	/	/
43	20203043	RANJANA.J	/	/	/	/	/
44	20203044	SAI SUDHARSANAN.S.R	/	/	/	/	/
45	20203045	SHANTHINI.P	/	/	/	/	/
46	20203046	SHILESH.S.R	/	/	/	/	/
47	20203047	SILAMBARASAN.P	/	/	/	/	/
48	20203048	SRI GANESH V.G	/	/	/	/	/
49	20203049	SRI LAKSHMI NARAYANAN.S	AB	AB	AB	AB	AB
50	20203050	SRI SAI ADHARSHINI.G	/	/	/	/	/
51	20203051	SUNITHA V	/	/	/	/	/
52	20203052	THIRISHA BHARATHI.G.K	/	/	/	/	/
53	20203053	THIRUMUGAN.A	/	/	/	/	/
54	20203054	VASANTHAN.K	/	/	/	/	/
55	20203055	VINOOTHAG	/	/	/	/	/
56	20203056	VINOOTHAS	/	/	/	/	/
57	20203057	VINITHA LAKSHMI	/	/	/	/	/

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
ABDUL KAFEEL S

of Paavai Engineering College, studying in first year Agriculture Engineering has successfully completed the value added course 20GEVC101/201 HUMAN VALUES the duration of the course is 30 hours (14.06.2021 to 18.06.2021).

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

ABIRAMI S

of Paavai Engineering College, studying in first year Agriculture Engineering has successfully completed the value added course 20GEVC101/201 HUMAN VALUES the duration of the course is

30 hours (14.06.2021 to 18.06.2021).

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

ASHOK KUMAR A

of Paavai Engineering College, studying in first year Agriculture Engineering has successfully completed the value added course 20GEVC101/201 HUMAN VALUES the duration of the course is

30 hours (14.06.2021 to 18.06.2021).

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

DHIVYA V

of Paavai Engineering College, studying in first year Agriculture Engineering has successfully completed the value

added course 20GEVC101/201 HUMAN VALUES the duration of the course is

30 hours (14.06.2021 to 18.06.2021).

Course Coordinator

HOD

Principal

MASTER OF COMPUTER APPLICATIONS (MCA)



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

VALUE ADDED COURSE

LORAWAN

ABOUT THE COURSE:

- ❖ **LoRa** (from "long range") is a proprietary low-power
- ❖ received by multiple gateways. wide-area network modulation technique. It is based on spread-spectrum modulation techniques derived from chirp spread spectrum (CSS) technology. It was developed by Cycle, acquired by Semtech, which is the founding member of the **LoRa Alliance**.
- ❖ **LoRaWAN** defines the communication protocol and system architecture for the network, while the LoRa physical layer enables the long-range communication link.
- ❖ Devices in the network are asynchronous and transmit when they have data available to send.

COURSE OUTCOMES:

At the end this course, students will be able to

- understand a working level of skills required for a Networking
- implement Practice attention to detail
- analyze Documentation skills



DATE & VENUE :

10.08.2020 to 14.08.2020, MCA Laboratory, Paavai Engineering College

COURSE COORDINATOR:

Mrs.D.Kokilarani, AP/MCA



PAAVAI ENGINEERING COLLEGE

(Autonomous)

Pachal, Namakkal - 637 018.



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Date : 05.08.2020

CIRCULAR

It is planned to conduct **Five Days Value Added Course** on **LORAWAN** for fifth semester students from 10.08.2020 to 14.08.2020. The interested students are asked to enroll their names to the course coordinator Mrs.D.Kokilarani, AP/MCA on or before 09.08.2020. (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.

Copt to

Notice Board

COURSE OBJECTIVES

To enable the students to

- obtain a working level of skills required for a Junior Network Professional
- practice attention to detail
- documentation skills

UNIT I Introduction

Introduction about Lora- Origin- Evolution of Lora- Versions- Low power Wide Area Network(WAN)

UNIT II Lora WAN

Lora WAN Infrastructure- Access points– ISP of Lora WAN – Frequencies and Bandwidth

UNIT III Network Topology

Lora Alliance- Lora WAN for 4G/5G networks–MAC layer Protocols– Features

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- understand a working level of skills required for a Junior Network Professional
- implement Practice attention to detail
- analyze Documentation skills

TEXT BOOKS

1. Understanding the Limits of LoRaWAN: From Novice to Professional (8th Edition)

REFERENCES

1. M. Chiani; A. Elzanaty (2019). "On the LoRa Modulation for IoT: Waveform Properties and Spectral Analysis"



PAAVAI ENGINEERING COLLEGE

(Autonomous)

Pachal, Namakkal - 637 018.



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Academic Year : 2020-2021

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Sem : III / V

Name of the Course : 20CAVC201 LORAWAN

S.No	Reg. Number	Name of the Student	10.08.20	11.08.20	12.08.20	13.08.20	14.08.20
1	19601001	Kavinbala.S	/	/	/	/	/
2	18601001	Aravindan.S	/	/	/	/	/
3	18601301	Anusha.S	/	/	/	/	/
4	18601302	Bharathi.V	/	/	/	/	/
5	18601303	Birundha.K	/	/	/	/	/
6	18601304	Devadharshini.R	a	a	a	a	a
7	18601305	Divya.B	/	/	/	/	/
8	18601306	Geethamanjari.S	/	/	/	/	/
9	18601307	Iswarya.A	/	/	/	/	/
10	18601309	Logapriya.G	/	/	/	/	/
11	18601310	Menaka.S	/	/	/	/	/
12	18601311	Nagajothi.R	/	/	/	/	/
13	18601312	Pandiyan.T	/	/	/	/	/
14	18601313	Rajesh.E	/	/	/	/	/
15	18601314	Ramya.S	/	/	/	/	/
16	18601315	Santhiyamani.M	/	/	/	/	/
17	18601317	Sumithra.V	/	/	/	/	/
18	18601318	Suriya.R	/	/	/	/	/
19	18601319	Varsini.M	/	/	/	/	/

A. Kothiswari
Course Coordinator

S. S. S. S.
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

Birundha.K

of Paavai Engineering College, studying in Third Year has successfully completed the Value added Course "LORAWAN". The duration of the course is 30 hours (10/08/2020 to 14/08/2020)

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

Geethamanjari.S

of Paavai Engineering College, studying in Third Year has successfully completed the Value added Course "LORAWAN". The duration of the course is 30 hours (10/08/2020 to 14/08/2020)

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

Kavinbala.S

of Paavai Engineering College, studying in Second Year has successfully completed the Value added Course "LORAWAN". The duration of the course is 30 hours (10/08/2020 to 14/08/2020)

A handwritten signature in black ink, appearing to read 'D. Rajalakshmi', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to read 'S. Srinivasan', written over a horizontal line.

HOD

A handwritten signature in blue ink, appearing to read 'P. Srinivasan', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of MCA

CERTIFICATE OF PARTICIPATION

This is to certify that

Sumithra.V

of Paavai Engineering College, studying in Third Year has successfully completed the Value added Course "LORAWAN". The duration of the course is 30 hours (10/08/2020 to 14/08/2020)

A handwritten signature in black ink, appearing to read 'D. Rajalakshmi', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to read 'S. Srinivasan', written over a horizontal line.

HOD

A handwritten signature in blue ink, appearing to read 'P. Srinivasan', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of MCA

CERTIFICATE OF PARTICIPATION

This is to certify that

Varsini.M

of Paavai Engineering College, studying in Third Year has successfully completed the Value added Course "LORAWAN". The duration of the course is 30 hours (10/08/2020 to 14/08/2020)

A handwritten signature in black ink, appearing to read 'D. Rajalakshmi', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to read 'S. Srinivasan', written over a horizontal line.

HOD

A handwritten signature in blue ink, appearing to read 'P. Srinivasan', written over a horizontal line.

Principal



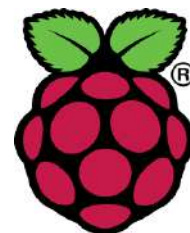
PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

VALUE ADDED COURSE

PROGRAMMING IN RASPBERRY PI OS

ABOUT THE COURSE:

- ❖ **Raspberry Pi** is a series of small single-board computers (SBCs) developed in the United Kingdom by the Raspberry Pi Foundation in association with Broadcom.
- ❖ It is widely used in many areas, such as for weather monitoring, because of its low cost, modularity, and open design. It is typically used by computer and electronic hobbyists, due to its adoption of HDMI and USB devices.
- ❖ The name "Raspberry Pi" was chosen with "Raspberry" as an ode to a tradition of naming early computer companies after fruit, and "Pi" as a reference to the Python programming language.



COURSE OUTCOMES:

At the end this course, students will be able to

- understand a working level of skills required for a developer
- implement Practice attention to detail
- analyze Documentation skills

DATE & VENUE :

21.12.2020 to 25.12.2020, MCA Laboratory, Paavai Engineering College

COURSE COORDINATOR:

Mrs.D.Kokilarani, AP/MCA



PAAVAI ENGINEERING COLLEGE

(Autonomous)

Pachal, Namakkal - 637 018.



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Date : 16.12.2020

CIRCULAR

It is planned to conduct **Five Days Value Added Course** on **RASPBERRY PI OS** for first semester students from 21.12.2020 to 25.12.2020. The interested students are asked to enroll their names to the course coordinator **Mrs.D.Kokilarani, AP/MCA** on or before 20.12.2020. (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.

Copt to

Notice Board

20CAVC101 PROGRAMMING IN RASPBERRY PI OS

COURSE OBJECTIVES

To enable the students to

- obtain a working level of skills required for a Junior Developer
- practice attention to detail
- documentation skills

UNIT I Introduction

Raspberry PI OS Introduction- Evolution of Raspberry–Series and generations–Model comparison–Connectors.

UNIT II Raspberry

Raspberry pi- Raspberry zero- Raspberry operating systems – Hardware Requirements

UNIT III Network Control

Overclocking – Network I\O ports – Connectors –AV Controls – Real time clock

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- understand a working level of skills required for a Junior Developer
- implement Practice attention to detail
- analyze Documentation skills

TEXT BOOKS

1. Beginning Raspberry: From Novice to Professional (3rd Edition)

REFERENCES

1. Programming Raspberry pi 1.9 & 2.0: Power and Performance' Guide (4th Edition) by
Benchoff, Brian



PAAVAI ENGINEERING COLLEGE

(Autonomous)

Pachal, Namakkal - 637 018.



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Academic Year : 2020-2021

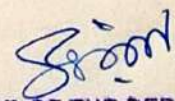
VALUE ADDED COURSE ATTENDANCE SHEET

Year / Sem : I / I

Name of the Course : 20CAVC101 RASPBERRY PI OS

S.No	Reg. Number	Name of thhe Student	21.12.20	22.12.20	23.12.20	24.12.20	25.12.20
1	20601001	ABINAYA.V	/	/	/	/	/
2	20601002	ABISHEK.P	/	/	/	/	/
3	20601003	BHARATHI KANNAMMA.S	/	/	/	/	/
4	20601004	DHIVYA.B	/	/	/	/	/
5	20601005	ELANGO.P	/	/	/	/	/
6	20601006	GOKUL. N	/	/	/	/	/
7	20601007	INDHUMATHI.V	/	/	/	/	/
8	20601008	KOUSALYA.M	/	/	/	/	/
9	20601009	A.KASTHURI	/	/	/	/	/
10	20601010	KIRUTHIKA.R.	/	/	/	/	/
11	20601011	LOGANATHAN.S	/	/	/	/	/
12	20601012	MADHUMITHA.M	/	/	/	/	/
13	20601013	NIVEDHYA.T.P.	/	/	/	/	/
14	20601014	PRASANTH.S	/	/	/	/	/
15	20601015	PRAVEEN KUMAR. M	/	/	/	/	/
16	20601016	RANJINI V	/	/	/	/	/
17	20601017	RAJAMOORTHIL.R	/	/	/	/	/
18	20601018	REETHIGAA.S.G	/	/	/	/	/
19	20601019	SAKTHI.R	/	/	/	/	/
20	20601020	SANGAVI.V	a	a	a	a	a
21	20601021	SOUNTHARYA.M	/	/	/	/	/
22	20601022	VAISHNAVI. R	/	/	/	/	/

A. Polakrani
Course Coordinator


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

Abinaya.V

of Paavai Engineering College, studying in First Year has successfully completed the Value added Course "**RASPBERRY PI OS**". The duration of the course is 30 hours **(21/12/2020 to 25/12/2020)**

A handwritten signature in black ink, appearing to read 'D. Rajalakshmi', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to read 'S. Srinivasan', written over a horizontal line.

HOD

A handwritten signature in blue ink, appearing to read 'P. Srinivasan', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of MCA

CERTIFICATE OF PARTICIPATION

This is to certify that

Elango.P

of Paavai Engineering College, studying in First Year has successfully completed the Value added Course "**RASPBERRY PI OS**". The duration of the course is 30 hours (21/12/2020 to 25/12/2020)

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

Indhumathi.V

of Paavai Engineering College, studying in First Year has successfully completed the Value added Course "**RASPBERRY PI OS**". The duration of the course is 30 hours (21/12/2020 to 25/12/2020)

A handwritten signature in black ink, appearing to read 'D. Rajalakshmi', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to read 'S. Srinivas', written over a horizontal line.

HOD

A handwritten signature in blue ink, appearing to read 'P. Srinivas', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of MCA

CERTIFICATE OF PARTICIPATION

This is to certify that

Kiruthika.R

of Paavai Engineering College, studying in First Year has successfully completed the Value added Course "**RASPBERRY PI OS**". The duration of the course is 30 hours **(21/12/2020 to 25/12/2020)**

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

Rajamoorthi.R

of Paavai Engineering College, studying in First Year has successfully completed the Value added Course "**RASPBERRY PI OS**". The duration of the course is 30 hours (21/12/2020 to 25/12/2020)

A handwritten signature in black ink, appearing to read 'D. Rajalakshmi', written over a horizontal line.

Course Coordinator

A handwritten signature in black ink, appearing to read 'S. Srinivasan', written over a horizontal line.

HOD

A handwritten signature in blue ink, appearing to read 'P. Srinivasan', written over a horizontal line.

Principal

MASTER OF BUSINESS ADMINISTRATION (MBA)

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE

ENGLISH FOR EFFECTIVE COMMUNICATION

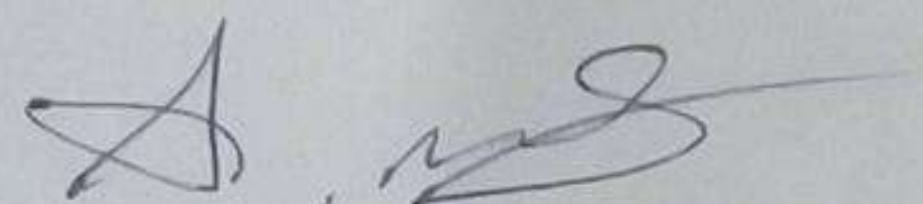


Date: 16.01.2020 to 21.01.2020

Venue: MICROSOFT TEAMS

COURSE INCHARGE

1. G. AARTHANA, PROFESSOR/MBA


HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
VH.7, PACHAL (Po) Namakkal - 637



**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: 10.01.2020

CIRCULAR

It is planned to conduct Five Days Training Course on **"ENGLISH FOR EFFECTIVE COMMUNICATION"** for Third semester students from **16.01.2020** to **21.01.2020** date. The interested students are asked to enroll their name to the course coordinator **G. AARTHANA, PROFESSOR/MBA** on or **03.07.2020**. (Spot registration can also be permitted).

Course Co-ordinators: 1. **G. AARTHANA, PROFESSOR/MBA**

HOD/MBA

**HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
VH-7, PACHAL (Po) Namakkal - 637**

Copy to :

Notice board

20BAV101

ENGLISH FOR EFFECTIVE COMMUNICATION

COURSE OBJECTIVES:

By introducing the course, it is intended to

- Improve the four essential skills of mastering the English Language
- Enhance the communication skills of the learners' in English
- Make them listen, speak, read, and write effectively

Unit I: Effective Listening Active Listening

Introduction Reasons for Poor Listening Traits of a Good Listener Listening Modes Types of Listening Barriers to Effective Listening for General Content and Specific Information Exercises.

Unit II: Effective Speaking Effective Speaking

Introduction Basic Sounds of English Word Stress Sentence Stress Intonation

Unit III: Effective Speaking

Achieving Confidence, Clarity, and Fluency Vocal Cues Exercises Conversations and Dialogues Introduction Conversations Telephonic Conversations and Etiquette Dialogue Writing

Unit IV:

(Effective Reading) Reading Comprehension Introduction Improving Comprehension Skills Techniques for Good Comprehension Predicting the Content Understanding the Gist SQ3R Reading Technique Study Skills Exercises

Unit-V:

(Effective Writing) Vocabulary Development Using the Dictionary and Thesaurus Changing Words from One Form to Another, Word Formation: Prefixes and Suffixes Synonyms and Antonyms, Idioms, Confusables, Oneword Substitutes, Homonyms Homophones, Eponyms, Elements of Effective Writing Introduction Rights Words and Phrases Sentences Writing for the Web Exercises. The Art of Condensation. Introduction Steps to Effective Precise Writing Guidelines- Samples Exercises

TOTAL PERIODS: 30

COURSE OUTCOME:

- To know about the First wave feminism: Suffragette and political inequality, 18th century
- To know about the England, France, Germany, USA
- To analyze about the Women's Participation in Agrarian Movement
- To analyses about the Agrarian Movement: Tebhaga Movement, Telengana Movement
- To analyses about the Anti-Arrack movements across India

TEXT BOOK:

1. Agnihotri, Indu and Mazumdar, Vina. (2011) Changing Terms of Political Discourse: Women's Movement in India, Economic and Political Weekly, Vol. 30, No. 29, Jul. 22, 1995.
2. Burrell, Barbara (2004) Women and Political Participation. California: ABC Clio.
3. Chaudhuri, Maitrayee (2003) Feminisms in India. New Delhi: Kali for Women.
4. Chaudhuri, Maitrayee (2011) The Indian Women's Movement: Reform and Revival Reprinted. Delhi: Palm Leaf. pp 1-68.

REFERENCES:

1. Basu, Amrita (1993) Women and Religious Nationalism in India: An Introduction, *Bulletin of Concerned Asian Scholars* 25:4, Pp.3-15.
2. Basu, Aparna (1995) Feminism and Nationalism in India 1917-1947, *Journal*

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

ACADAMIC YEAR 2020-2021

VALUE ADDED COURSE

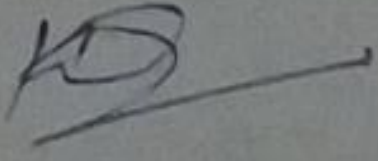
ATTENDANCE SHEET

Year/ Semester: I/I

Name of the course: 20BAVI01 ENGLISH FOR EFFECTIVE COMMUNICATION

S.NO	REG.No	Student Name	05.07.20	16.07.20	07.07.20	08.07.20	10.07.20
1	20501002	AJITHA.P	/	/	/	/	/
2	20501004	AMBIKA.R	/	/	/	/	/
3	20501005	ANUSHIYA.B	/	/	/	/	/
4	20501006	DAS.J	/	/	/	/	/
5	20501007	DEEPA.S	/	/	/	/	/
6	20501009	DHARSHINI.A	/	/	/	/	/
7	20501010	DHIVYA.K	/	/	/	/	/
8	20501011	DINESH.B	/	/	/	/	/
9	20501012	GOBLP	/	/	/	/	/
10	20501014	GOPALAKRISHNA.T	/	/	/	/	/
11	20501018	KARTHIKA.P	/	/	/	/	/
12	20501019	KRISHNAVENI.M	/	/	/	/	/
13	20501020	MADHUBALA.P	/	/	/	/	/
14	20501022	MANGALASUNDARAM.K	/	/	/	/	/
15	20501025	MANIYARASAN.T	/	/	/	/	/
16	20501027	MOUNIKA.S	/	/	/	/	/
17	20501028	NANDHINI.DEVLS	/	/	/	/	/
18	20501029	NIRANJANA.D	a	a	a	a	a
19	20501030	NIVETHA.DEVLS	/	/	/	/	/
20	20501033	RAJIV.K	/	/	/	/	/
21	20501035	REVATHI.D	/	/	/	/	/

22	20501038	SENTHIL KUMAR.P	/	/	/	/
23	20501040	SHANMUGAPRIYA.R	/	/	/	/
24	20501041	SWATHI.V	/	/	/	/
25	20501043	VETRIVEL.S	/	/	/	/
26	20501045	VIJAY.E	/	/	/	/



COURSE INCHARGE



H.O.D.
HEAD OF THE DEPT
Management Sci
PAAVAI ENGINEERING
H.T. PACHAL (Port...



**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:10.07.2020

CIRCULAR

It is planned to conduct Five Days Training Course on "NGO'S MANAGEMENT AND DEVELOPMENT" for Third semester students from 16.07.2020 to 21.07.2020 date. The interested students are asked to enroll their name to the course coordinator **G. AARTHANA, PROFESSOR/MBA** on or 14.07.2020. (Spot registration can also be permitted).

Course Co-ordinators: **I.G. AARTHANA, PROFESSOR/MBA**

Copy to :

Notice board

HOD/MBA

**HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
VH-7, PACHAL (PO) NAMAKKAL - 637 018**

20BAVC201

NGO's Management and DEVELOPMENT

COURSE OBJECTIVES:

The students will be able;

- To understand the evolution of the non-profit sector into the fastest growing sector of our economy.
- To provide managerial training and most relevant skills.
- To develop an understanding of management techniques and leadership skills for enhancing the effectiveness of non-profit organizations.

Unit 1:

Concept and Structure of NGOs, Importance of NGOs, Registration of NGOs, Bye -Laws /Memorandum of Associations and Registrations, Sources of funding for Management of NGOs.

Unit 2:

National, International Government and Non-Governmental Agencies, Role of NGOs: Education, Women Empowerment, Development, Family Planning, Population Activities, Health, Reproductive and Child Health Programme and AIDS.

Unit 3:

Project Preparation: Guidelines for drafting a Project. Planning: nature, purpose, steps, types, merits and demerits. Organizations and Staffing.

Unit 4:

Book Keeping: Definition, objectives and systems; Types of Account; Accounting for Non-Profit Organizations; Receipts and Payments of Accounts, Income and Expenditure Account; Balance Sheet; Maintenance of Project Accounts

Unit 5 :

Monitoring: Formulation of objectives; Designing a monitoring systems; Participatory monitoring process; Reporting: ongoing and the completed project. Evaluation of Projects: types, procedures and processes; Participatory evaluations. Evaluation and reporting of an ongoing/ completed project; Participatory Rapid Appraisal (PRA) ; Management Information System (MIS).

TOTAL PERIODS: 30

COURSE OUTCOME:

After successful completion of the course, the students will able to:

- Understand the basic concepts of assets valuation
- Apply various approaches to assets valuation
- Understand various measures for valuation of fixed and current assets
- Recognize various approaches to assess the value of intangible assets
- Comprehend the various approaches for valuation and assessment of brands

TEXT BOOKS:

Bhalla V.K. 2018. Investment and Portfolio Management , S. Chand & Co., New Delhi
Punithavathy, 2018. Security Analysis and Portfolio Management, Vikas Publishing Company,
New Delhi. Pretti Singh ,2019.

REFERENCES:

Investment Management, Himalaya Publications . Mumbai

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

ACADAMIC YEAR 2020-2021

VALUE ADDED COURSE

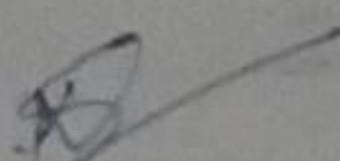
ATTENDANCE SHEET


Year/ Semester: I/II

Name of the course: 20BAVC201 NGO'S MANAGEMENT AND DEVELOPMENT

S.NO	REG.No	Student Name	16.07.20	17.07.20	18.07.20	20.07.20	20.07.20
1	20501001	ABINASH R	/	/	/	/	/
2	20501004	DEEPAANA K	/	/	/	/	/
3	20501005	DEEPIKA S	/	/	/	/	/
4	20501006	DHINAKARAN C	/	/	/	/	/
5	20501007	GAYATHRI S	/	/	/	/	/
6	20501009	HELEN PRIYA G	/	/	/	/	/
7	20501010	INDHUMALINI M	/	/	/	/	/
8	20501011	INFANTA VINO A	a	a	a	a	a
9	20501012	JEEVITHA S	/	/	/	/	/
10	20501014	KARISHMA B	/	/	/	/	/
11	20501018	MANIVASAGAM M	/	/	/	/	/
12	20501019	MAYILSAM Y S	/	/	/	/	/
13	20501020	MEENA M	/	/	/	/	/
14	20501022	MISPA ANITHA J	/	/	/	/	/
15	20501025	NITHYA S	/	/	/	/	/
16	20501027	PAVITHRA B	/	/	/	/	/
17	20501028	POORNIMA V	a	a	a	a	a
18	20501029	PRAKASH R	/	/	/	/	/
19	20501030	PRASSANNA S	/	/	/	/	/
20	20501033	RAJKUMAR A	/	/	/	/	/
21	20501035	SALMA SUBETHA N	/	/	/	/	/
22	20501038	SAVITHA K	/	/	/	/	/

23	20501040	SRINATH.G	/	/	/	/
24	20501041	SUDHARSHINI S	/	/	/	/
25	20501043	VELLAIYAMMAL R	/	/	/	/
26	20501045	VIJAY T	/	/	/	/


COURSE INCHARGE


HEAD OF THE C
Management
PAAVAI ENGINEER
VH-7. PACHAL (Po) N

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE
ASSET VALUE ASSESSMENT METHODS



Date: 16.01.2021 to 21.01.2021

Venue: MICROSOFT TEAMS

COURSE INCHARGE

1. **L. THIYAGARAJAN, PROFESSOR/MBA**

**HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
VH-7, PACHAL (Po) Namakkal - 637 007**



**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

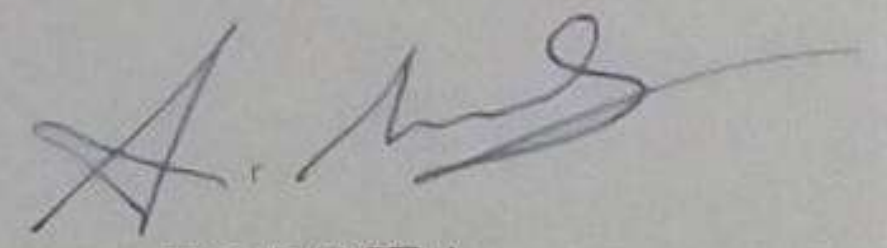
DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

DATE: 10.01.2021

CIRCULAR

It is planned to conduct Five Days Training Course on "ASSET VALUE ASSESSMENT METHODS" for Third semester students from 16.01.2021 to 21.01.2021 date. The interested students are asked to enroll their name to the course coordinator **L. THIYAGARAJAN, PROFESSOR/MBA** on or 14.01.2021. (Spot registration can also be permitted).

Course Co-ordinators: **L. THIYAGARAJAN, PROFESSOR/MBA**


HOD/MBA

**HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
PACHAL (Po) Namakkal - 637**

Copy to :

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ASSET VALUE ASSESSMENT METHODS

COURSE OBJECTIVES :

- Learn the conceptual understanding valuation and valuation of
- Acquire knowledge on various methods of valuation of Tangible Assets
- Conceptual understanding on various approaches to assessment of intangible Assets

Unit I : Assets Valuation

Basics Meaning of value, Valuation, Asset valuation and Business Valuation – Principles of Valuation – Valuation Bias – Types of Values - Role of Asset valuation in Corporate Finance

Unit II: Valuation Approaches

Valuation Approaches - Discounted Cash Flows (DCF) – Importance – Limitations – Application of DCF Valuation – Steps in DCF Valuation – Relative Valuation – Steps in Relative Valuation – Advantages and Disadvantages

Unit III: Fixed and Current Asset Valuation

Book Value – Measuring Asset Value – Factors in Asset Valuation – Tangible Assets – Factors in Fixed Asset Valuation – Current Assets -Valuation of Faculty of Arts Department of Commerce 46 Inventories – FIFO – LIFO- Weighted Average

Units IV: Valuation and Assessment of Intangible Assets

Intangible Assets – Meaning - Criteria for the identification of intangible assets – cost of Intangible assets –Valuation of Goodwill, Patents and Copyrights - Intellectual Property – Definition and Classification – Components – Valuation of Intellectual Capital – Intellectual Capital Measures and Models

Unit V: Valuation and Assessment of Brands

Brands – Meaning - Assessment of Value of Brands – Need for valuation of Brands – Approaches to Brand Valuation – Research Based brand Equity Valuation – Financially driven Approaches – Steps in Valuation of a Brand

COURSE OUTCOMES:

After completion of the course, the students will be enable to

- Understand the procedures for registration of NGOs
- Enhance the knowledge on the fundamentals of accounting
- Gain perspectives on the management, financial, leadership

Text books:

Allen Fowler (editor) and ChikkuMalunga (editor) NGO Management, 2010 The Earthscan Company
New Delhi David Lewis NGO Management and Development, 2014. Routledge, New Delhi Michael
Worth Nonprofit Management. Principles and Practice, Sage Publications, Inc., 2008. Pandey
Devandra Prasad. 2009. Development and Management of NGOs.

References:

Adayayan Publishers Private Limited, New Delhi.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

ACADAMIC YEAR 2020-2021

VALUE ADDED COURSE

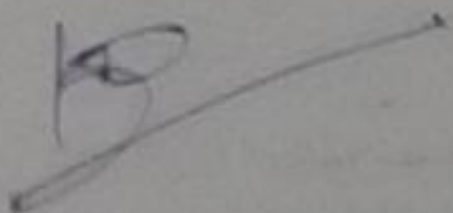
ATTENDANCE SHEET

Year/ Semester: II/III

Name of the course: 20BAVC301 ASSET VALUE ASSESSMENT METHODS

S.NO	REG.No	Student Name	16.07.21	17.07.21	18.07.21	20.07.21	20.07.21
1	20501002	AJITHA.P	/	/	/	/	/
2	20501004	AMBIKA.R	/	/	/	/	/
3	20501005	ANUSHIYA.B	/	/	/	/	/
4	20501006	DAS.J	/	/	/	/	/
5	20501007	DEEPA.S	/	/	/	/	/
6	20501009	DHARSHINLA	/	/	/	/	/
7	20501010	DHIVYA.K	/	/	/	/	/
8	20501011	DINESH.B	/	/	/	/	/
9	20501012	GOBILP	a	a	a	a	a
10	20501014	GOPALAKRISHNA.T	/	/	/	/	/
11	20501018	KARTHIKA.P	/	/	/	/	/
12	20501019	KRISHNAVENLM	/	/	/	/	/
13	20501020	MADHUBALA.P	/	/	/	/	/
14	20501022	MANGALASUNDARAM.K	/	/	/	/	/
15	20501025	MANIYARASAN.T	/	/	/	/	/
16	20501027	MOUNIKA.S	/	/	/	/	/
17	20501028	NANDHINI.DEVLS	/	/	/	/	/
18	20501029	NIRANJANA.D	/	/	/	/	/
19	20501030	NIVETHA.DEVLS	/	/	/	/	/
20	20501033	RAJIV.K	/	/	/	/	/

21	20501035	REVATHI.D	/	/	/
22	20501038	SENTHIL KUMAR.P	/	/	/
23	20501040	SHANMUGAPRIYA.R	/	/	/
24	20501041	SWATHI.V	/	/	/
25	20501043	VETRIVEL.S	/	/	/
26	20501045	VIJAY.E	/	/	/


COURSE INCHARGE

HEAD OF THE DEPT
Manager
OAAVAI ENGINEERING
11H-7, PACHAL (PUNJAB)

10. The _____ fund invests in another international fund, which in turn invests directly in foreign

- a) Domestic-International Hybrid
- b) Feeder Investments
- c) Thematic Investments
- d) Foreign Investment

PART B (15 x 2)

- 11 . What are reasons for with reference to valuation for Voluntary Assessment?
- 12 . How valuation plays a pivotal role in fund raising?

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE

FEMINIST MOVEMENTS.



Date: 10.02.2021 to 15.02.2021

Venue: MICROSOFT TEAMS

COURSE INCHARGE

1. L. THIYAGARAJAN, PROFESSOR/MBA

HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL (Po) Namakkal - 637



**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:05.02.2021

CIRCULAR

It is planned to conduct Five Days Training Course on "FEMINIST MOVEMENTS" for Third semester students from 10.02.2021 to 15.02.2021 date. The interested students are asked to enroll their name to the course coordinator

L. THIYAGARAJAN, PROFESSOR/MBA on or 08.02.2021. (Spot registration can also be permitted).

Course Co-ordinators: **L. THIYAGARAJAN, PROFESSOR/MBA**

HOD/MBA

**HEAD OF THE DEPARTMENT
Master of Business Administration
PAAVAI ENGINEERING COLLEGE
VH.7, PABRAL (Po) Namakkal - 637**

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FEMINIST MOVEMENT

COURSE OBJECTIVES:

- To provide historical perspectives of Feminist Movement during 18th, 19th & 20th Century
- To enable the students to understand feminist movement in pre-independent & post Independent India
- To make them understand the role played by women in the grassroot movements

Unit I: Historical Overview of Feminist Movements

- First wave feminism: Suffragette and political inequality, 18th century
- Second wave Feminism: Combating social inequality 1960-1980
- Third wave feminism: Renewed campaign for women's greater influence in politics.

Unit II: Global Feminist Movements

- England, France, Germany, USA
- Latin America, South Africa, South East Asia

Unit III: Women's Movement in Pre-Independent India

- Social Reform Movements and Gender
- National Movement and Liberation of Women
- Role of Women in National Movements
- Women's Participation in Agrarian Movement

Unit IV: Women's Movements in Independent India

- Agrarian Movement: Tebhaga Movement, Telengana Movement
- Urban Movements: Anti-price rise movement, Anti-dowry movement, Anti-sexual Harassment
- Dalit Movements
- Tribal Movements

Unit V: Grassroot Movements

- Anti-Arrack movements across India
- Chipko movement

COURSE OUTCOMES:

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

- Read diligently and communicate effectively
- Improve their language skills and competence level of sentence structures
- Enhance their vocabulary and enrich their communication and language skills

Text Book:

Raman, Meenakshi and Sharma, Sangeeta. Technical Communication: Principles and Practice. New Delhi: Oxford UP, 2015. Third Edition.

References:

Mohan, Krishna, Banerji and Meera. Developing Communication Skills. New Delhi, Trinity Press, 2015. Mohan, Krishna, Banerji and Meera. Speaking English Effectively.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

ACADAMIC YEAR 2020-2021

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/ Semester: II/IV

Name of the course: 20BAVC401

FEMINIST MOVEMENTS

S. NO	REG.No	Student Name	10.02.21	11.02.21	12.02.21	14.02.21	15.02.21
1	20501001	ABINASH R	/	/	/	/	/
2	20501004	DEEPAANA K	/	/	/	/	/
3	20501005	DEEPIKA S	/	/	/	/	/
4	20501006	DHINAKARAN C	/	/	/	/	/
5	20501007	GAYATHRI S	/	/	/	/	/
6	20501009	HELEN PRIYA G	/	/	/	/	/
7	20501010	INDHUMALINI M	/	/	/	/	/
8	20501011	INFANTA VINO A	/	/	/	/	/
9	20501012	JEEVITHA S	/	/	/	/	/
10	20501014	KARISHMA B	/	/	/	/	/
11	20501018	MANIVASAGAM M	/	/	/	/	/
12	20501019	MAYILSAM Y S	/	/	/	/	/
13	20501020	MEENA M	/	/	/	/	/
14	20501022	MISPA ANITHA J	/	/	/	/	/
15	20501025	NITHYA S	/	/	/	/	/
16	20501027	PAVITHRA B	/	/	/	/	/
17	20501028	POORNIMA V	/	/	/	/	/
18	20501029	PRAKASH R	a	a	a	a	a
19	20501030	PRASSANNA S	/	/	/	/	/
20	20501033	RAJKUMAR A	/	/	/	/	/
21	20501035	SALMA SUBETHA N	/	/	/	/	/
22	20501038	SAVITHA K	/	/	/	/	/



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

AJITHA .P

of paavai engineering college, studying in first year has successfully completed the

Value added course **20BAVC101 – ENGLISH FOR EFFECTIVE COMMUNICATION**. The duration of the course is 30 hours
from 05.07.20 - 10.07.20

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

AMBIKA . R

of paavai engineering college, studying in first year has successfully completed the

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Course Incharge

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Unit-6A (Formerly Unit-7), Pachai, Mannathurai - 607009

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CERTIFICATE

This is to certify that

ANUSHIYA . B

of paavai engineering college, studying in first year has successfully completed the
Value added course 20BAVC101 - ENGLISH FOR EFFECTIVE COMMUNICATION. The duration of the course is 30 hours
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DAS . J

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AJITHA . P

of paavai engineering college, studying in first year has successfully completed the

Value added course **20BAVC301 – ASSET VALUE ASSESSMENT METHODS** The duration of the course is 30 hours from

16.07.21 – 20.07.21

Course Incharge

HOD

Principal



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This is to certify that

ABINASH . R

of paavai engineering college, studying in first year has successfully completed the

Value added course **20BAVC201 – NGO'S MANAGEMENT AND DEVELOPMENT**. The duration of the course is 30 hours
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This is to certify that

DEEPAANA .K

of paavai engineering college, studying in first year has successfully completed the
Value added course **20BAVC201 – NGO'S MANAGEMENT AND DEVELOPMENT**. The duration of the course is 30 hours
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MISPA ANITMA . J

of paavai engineering college, studying in first year has successfully completed the
Value added course **20BAVC201 – NGO'S MANAGEMENT AND DEVELOPMENT**. The duration of the course is 30 hours
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RAJKUMAR . A

of paavai engineering college, studying in first year has successfully completed the

Value added course **20BAVC201 – NGO'S MANAGEMENT AND DEVELOPMENT**. The duration of the course is 30 hours
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SALMA SUBETHA . N

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