

PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF AERONAUTICAL ENGINEERING

VALUE ADDED COURSE LIST.

ACADEMIC YEAR 2021-2022

SL.NO	COURSE CODE	COURSE NAME
1	21GEVC101	GENDER EQUALITY AND HUMAN RIGHTS
2	21AEVC301	SOFT SKILLS
3	21AEVC501	AIRCRAFT POWERPLANT INSPECTION
4	21AEVC701	INTELLECTUAL PROPERTY



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

SOFT SKILLS

ABOUT THE COURSE:

Soft Skills plays an important role in assuring that we achieve the maximum skill to perform their function in a safe, reliable, and cost-effective manner.

Who Can Join?

- II, III, IV Year of B.E,B.Tech- students
- Out of box thinkers.
- Anyone can learn

Why SOFT SKILLS?

- To be more skillfull and achieve our goal with more skills
- Obtaining the soft skill plays a very important rol



Course Content:

- Communication skills
- Presentation and interaction

Date: 02.08.2021-06.02.2021

Venue:

Computer Lab,
Core Engineering Block
Paavai Engineering College

Course Incharge

❖ Mr. P.Sethunathan ASP/AERO

COURSE OBJECTIVES:

- ♦ To enable the students for success and growth in workplace.
- ♦ To develop teamwork and collaboration skills.

PROGRAMME CONTENT :

1. Communication skills
2. Body language and Etiquette
3. Group discussion skills
4. Interview skills
5. Presentation skills
6. Time Management Skills
7. Preparation of CV and Life skills.

TOTAL PERIODS-30**COURSE OUTCOMES:**

By the end of the soft skills training program, the students should be able to:

- ♦ Develop effective communication skills (spoken and written).
- ♦ Develop effective presentation skills.
- ♦ Conduct effective business correspondence and prepare business reports which produce results.

TEXT BOOK & MANUALS:

- <https://www.g-wonlinetextbooks.com/soft-skills-for-the-workplace-2018/>



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

DEPARTMENT OF AERONAUTICAL ENGINEERING

DATE: 27.07.2021

CIRCULAR

It is planned to conduct Five Days value added Course on "SOFT SKILLS" for Third semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their name to the course coordinator P.SETHUNATHAN, ASP/AERO on or before 31.07.2021.

Course Co-ordinator: I. P.SETHUNATHAN, ASP/AERO


HOD/AERO

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(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic Year: 2021-2022

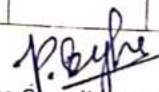
ATTENDANCE SHEET

Year/Semester: II/III

Name of the Course: 21AEVC301-SOFT SKILLS

Date: 02.08.2021

S.No	Reg.No	Student Name	02.08.21	03.02.21	04.02.21	05.02.21	06.02.21
1	20101001	ABIL.K	/	/	/	/	/
2	20101002	ARSATHPARVEZ.M	/	/	/	/	/
3	20101003	BIBIN.K	/	/	/	/	/
4	20101004	MANIVANNAN.R	AB	AB	AB	AB	AB
5	20101005	MOHAMEDALAMEEN.R	/	/	/	/	/
6	20101006	MOHAMMEDKAIF.S	/	/	/	/	/
7	20101007	MURALI.M	/	/	/	/	/
8	20101008	NANTHAKUMARA	AB	/	/	/	/
9	20101009	PUGALENDHILA	/	/	/	/	/
10	20101010	RADHA KRISHNAN.T	AB	AB	AB	AB	AB
11	20101011	RAGUL.D	/	/	/	/	/
12	20101012	SANJALE	/	/	/	/	/
13	20101013	SUSIGARAN.G	AB	/	/	AB	/
14	20101014	THIRUMAL.A	/	/	/	/	/
15	20101015	VIGNESHKUMAR.K	/	/	/	/	/
16	20101016	VIJAY.V	AB	AB	AB	AB	AB
17	20101017	VIMALRAJ.K	/	/	/	/	/
18	20101018	YUVARAJ.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

VIMALRAJ.K

of Paavai Engineering College, studying in **SECOND** Year has successfully completed the Value Added
Course on **SOFT SKILLS** from **02.08.2021** to **06.08.2021**.

Course Incharge

HOD

Principal



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(Autonomous)

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

Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

MOHAMMEDKAIF.S

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

Course on SOFT SKILLS from 02.08.2021 to 06.08.2021.

Course Incharge

HOD

Principal



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Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

ARSATHPARVEZ.M

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

Course on SOFT SKILLS from 02.08.2021 to 06.08.2021.

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

Course Incharge

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

HOD

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

Principal



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CERTIFICATE

This is to certify that

VIGNESHKUMAR.K

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

Course on SOFT SKILLS from 02.08.2021 to 06.08.2021.

Course Incharge

HOD

Principal



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CERTIFICATE

This is to certify that

ABIL.K

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

Course on **SOFT SKILLS** from **02.08.2021** to **06.08.2021**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

AIRCRAFT POWERPLANT INSPECTION

ABOUT THE COURSE:

Aircraft Powerplant Inspection 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 Engine Maintenance Technician.
- Out of box thinkers.

Why Aircraft Powerplant Inspection?

- It plays a major part in the aircraft industry
- It's a technology that's in development of higher safety and trouble free aircraft operations

Course Content:

- Introduction to
 - Piston engines
 - Jet Engines
 - Power Plant Inspection

Date: 02.08.2021- 06.08.2021

Venue:

Aero Engine lab,
Aero Block
Paavai Engineering College

Course Incharge

❖ Mr. RAJKUMAR.D ASP/AERO





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DEPARTMENT OF AERONAUTICAL ENGINEERING

DATE: 27.07.2021

CIRCULAR

It is planned to conduct Five Days value added course on "AIRCRAFT POWERPLANT INSPECTION" for fifth semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their name to the course coordinator RAJ KUMAR.D.,ASP/AERO on or before 31.07.2021.

Course Co-ordinator: I. D RAJ KUMAR ASP/Aero

DRL
HOD/AERO

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PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic Year: 2021-2022

ATTENDANCE SHEET

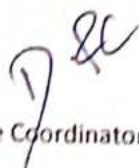
Year/Semester: III/V


Date: 02.08.21

NAME&COURSE CODE & NAME: 21AEVC501&AIRCRAFT POWERPLANT INSPECTION

S.No	Reg Number	Name of the student	02.08.21	03.02.21	04.02.21	05.02.21	06.02.21
1	19101002	ARAVINDHAN.G	a	/	/	/	/
2	19101005	ASHWIN BARATH .MJ	/	/	/	/	/
3	19101006	ASWATH.J	/	/	/	a	/
4	19101007	BASKAR.S	/	/	/	/	/
5	19101008	BHARATHY.C	/	/	/	/	/
6	19101009	BHUVANESHWARAN.G	/	/	/	/	/
7	19101010	DHANAKODI.P	/	a	/	/	/
8	19101011	DHILEEPAN.M	/	/	/	/	/
9	19101013	EZHILARASAN.S	/	/	/	/	/
10	19101014	GOWTHAM.C	/	/	/	/	/
11	19101015	HARIHARAN.L	/	/	/	/	/
12	19101016	JEEVA KUMAR.M	/	/	/	/	/
13	19101017	JEEVANANDHAM.P	/	/	/	/	/
14	19101018	KARTHICK.G	/	/	/	/	/
15	19101019	MAHESH JOSEPH	/	/	/	/	/
16	19101020	BESKY A MEYYAZHAGI.S	/	/	/	/	/
17	19101021	MOHAMED RASITH.S	a	/	/	a	/
18	19101022	MONESH.H	a	a	a	a	a
19	19101023	MORESHWARAN.A.C	/	/	/	/	/
20	19101024	MUTHUKUMAR.K	/	/	/	/	/
21	19101025	NAVINKUMAR.V	/	/	/	a	/

22	19101026	NITHILBHARATHI.B	/	/	/	a	/
23	19101027	POOVARASAN.V	a	/	/	/	/
24	19101028	PREMIGA.G	/	/	/	/	/
25	19101029	RAJESH.S	/	/	/	/	/
26	19101031	SANJAY.S	/	/	/	/	/
27	19101032	SATHYA.M	/	/	/	/	/
28	19101033	SELVABHARATHI.A	/	/	/	/	/
29	19101034	SHARAN SHRI	/	/	/	/	/
30	19101035	SIBASH R. SRIJA.A	/	a	/	/	/
31	19101037	SUJEETHA.G	/	/	/	/	/
32	19101038	THAMIZH.V	/	/	/	/	/
33	19101039	THILEEP KUMAR.A	/	/	/	/	/
34	19101040	VEERAPANDI.M	/	/	/	/	/
35	19101041	VETRIVELAN.M	/	/	/	/	/
36	19101042	VIGNESH.P	/	/	/	/	/
37	19101043	VIJAYSUNDHAR.V	/	/	/	/	/
38	19101044	VINITH SUBASH CHANDRA BOSE.S	a	/	/	/	/
39	19101045	VISHNU.S	/	/	/	/	/
40	19101046	VIVEK.M	/	/	/	/	/
41	19101047	YOGEASWAR.P	/	/	/	/	/
42	19101301	ABISHEK	/	/	/	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

SUJEETHA.G

of Paavai Engineering College, studying in THIRD Year has successfully completed the Value Added course on AIRCRAFT POWERPLANT INSPECTION from 02.08.2021 to 06.08.2021.

Course Incharge

HOD

Principal



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CERTIFICATE

This is to certify that

VIJAYSUNDHAR.V

of Paavai Engineering College, studying in THIRD Year has successfully completed the Value Added
course on AIRCRAFT POWERPLANT INSPECTION from 02.08.2021 to 06.08.2021.

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

Principal



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This is to certify that

VISHNU.S

of Paavai Engineering College, studying in THIRD Year has successfully completed the Value Added course on AIRCRAFT POWERPLANT INSPECTION from 02.08.2021 to 06.08.2021.

Course Incharge

HOD

Principal



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of Paavai Engineering College, studying in **THIRD Year** has successfully completed the Value Added course on **AIRCRAFT POWERPLANT INSPECTION** from **02.08.2021 to 06.08.2021**.

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

Course Incharge

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

HOD

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Principal



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CERTIFICATE

This is to certify that

VIVEK.M

of Paavai Engineering College, studying in **THIRD** Year has successfully completed the Value Added course on **AIRCRAFT POWERPLANT INSPECTION** from **02.08.2021** to **06.08.2021**.

Course Incharge

HOD

Principal



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CERTIFICATE

This is to certify that

YOGEASWAR.P

of Paavai Engineering College, studying in **THIRD** Year has successfully completed the Value Added course on **AIRCRAFT POWERPLANT INSPECTION** from **02.08.2021** to **06.08.2021**.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF AERONAUTICAL ENGINEERING

INTELLECTUAL PROPERTY

ABOUT THE COURSE:

Intellectual property (IP) refers to creations of the mind, such as inventions. IP is protected in law by, which enable people to earn recognition or financial benefit from what they invent or create.

Who Can Join?

- II, III, IV Year of B.E,B.Tech– students
- Those who want to become a patent makers and inventors.
- Out of box thinkers.

Why Intellectual Property?

- Intellectual Property laws give people the right to own.
- Objective of an Intellectual Property Rights is to encourage inventions

Course Content:

- Basic of intellectual property
- Types of Intellectual Property
- Unconventional IP

Date: 02.08.2021 to 06.08.2021

Venue:

Computer lab,
Core Engineering Block
Paavai Engineering College

Course Incharge

Dr. R.ARRAVIND,,PROFESSOR/AERO



21AEVC701

INTELLECTUAL PROPERTY

COURSE OBJECTIVES:

- To introduce fundamental aspects of Intellectual property Rights to students who are going to play a major role in development and management of innovative projects in industries.
- To disseminate knowledge on patents, patent regime in India and abroad and registration aspects
- To disseminate knowledge on copyrights and its related rights and registration aspects

PROGRAMME CONTENT:

- ☐ Overview of Intellectual Property
- ☐ Patents
- ☐ Copyrights
- ☐ Trademarks
- ☐ Other forms of IP

TOTAL PERIODS-30

COURSE OUTCOMES:

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

- * Patent and copyright for their innovative research the students once they complete their academic projects, shall get an adequate knowledge on works.
- * Pave the way for the students to catch up Intellectual Property(IP) as an career option

TEXT BOOK & MANUALS:

https://lexisnexis.in/index.php?route=product/category&path=25_92



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DEPARTMENT OF AERONAUTICAL ENGINEERING

DATE: 27.07.2021

CIRCULAR

It is planned to conduct Five Days Training Course on "INTELLECTUAL PROPERTY" for seventh semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their name to the course coordinator Dr. R.ARRAVIND,.PROFESSOR/AERO on or before 31.07.2021.

Course Co-ordinator:1. R.ARRAVIND,.PROFESSOR/AERO

HOD/AERO

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic Year: 2021-2022

ATTENDANCE SHEET

YEAR / SEM :III/V

DATE:02.08.21

COURSE CODE & NAME: 21AEVC701&INTELLECTUAL PROPERTY

S.No	Reg Number	Name of the student	02.08.21	03.02.21	04.02.21	05.02.21	06.02.21
1	18101002	ARAVINDH.C	/	/	/	/	/
2	18101003	BALAJI.K	A	/	/	/	/
3	18101004	DAYA SRI.S	/	/	/	/	/
4	18101005	DEEPIKASRI.R	/	/	/	/	/
5	18101006	GOKUL VARDHAN.B	/	/	/	/	/
6	18101007	GOKUL.M	/	/	/	/	/
7	18101008	HARIHARAN.N	/	/	/	/	/
8	18101009	HARIKRISHNAN.J	/	/	/	A	/
9	18101010	JOESON.Y	/	A	/	/	/
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	MATHIYAZHAGAN.A	/	/	/	/	/
17	18101018	MEGANATHAN.M	/	/	/	/	/
18	18101019	MOHAMMED RIZWAN.M	A	A	A	A	A
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	A	/	/	/	/
26	18101030	SARATHKUMAR.S	/	/	/	/	/
27	18101031	SARITHIRANAYAGAN.S	/	/	/	/	/
28	18101032	SATHISH KUMAR.S	/	/	/	/	/
29	18101034	THIRUMAHALAKSHMI.	/	/	/	A	/
30	18101035	VIJAYAKUMAR.C	/	/	/	/	/
31	18101301	JEEVA.R	/	/	/	/	/

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

ARAVINDH.C

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

Course on INTELLECTUAL PROPERTY from 02.08.2021 to 06.08.2021.

Course Incharge

HOD

Principal



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CERTIFICATE

This is to certify that

DAYA SRI.S

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

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Course Incharge

HOD

Principal



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CERTIFICATE

This is to certify that

KEERTHI.S

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

Course on INTELLECTUAL PROPERTY from 02.08.2021 to 06.08.2021.

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Course Incharge

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HOD

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Principal



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Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

PRAKASH.A

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

Course on INTELLECTUAL PROPERTY from 02.08.2021 to 06.08.2021.

Course Incharge

HOD

Principal



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Department of Aeronautical Engineering

CERTIFICATE

This is to certify that

MALATHIKA.M

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

Course on INTELLECTUAL PROPERTY from 02.08.2021 to 06.08.2021.

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

Course Incharge

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HOD

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Principal

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

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.



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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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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 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	/	/	/	/	/
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 "**PRINCIPLEN 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 emphasize 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

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 "**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	c
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.

M. B. B. B.

Course Incharge

[Signature]

HOD

[Signature]

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

M. Binay

Course Incharge

[Signature]

HOD

[Signature]

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.

M. Benny

Course Incharge

[Signature]

HOD

[Signature]

Principal

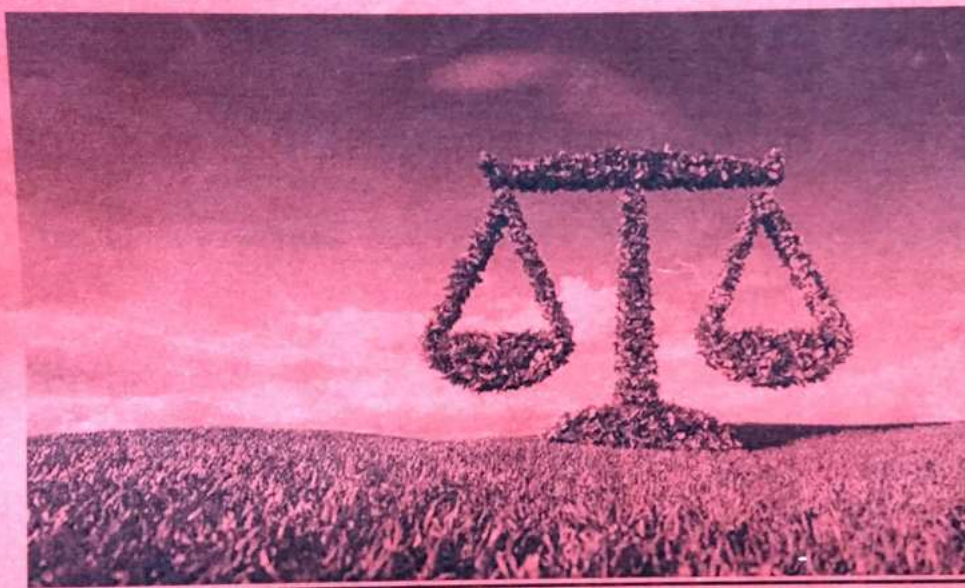
PAAVAI ENGINEERING COLLEGE

(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

COURSE OBJECTIVES

To enable the students to

- To familiarize the students to the environmental legislation and its components and it's 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 -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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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF AGRICULTURE ENGINEERING

Academic Year: 2021-2021

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	ANJANADEVI .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	KANIMOZHIL.K	/	/	/	/	/
41	17102043	KANIMOZHIL.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	MAHADEVIL.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	/	/	/	/	/


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

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

X.S. Gauthi

Course Incharge

[Signature]

HOD

[Signature]

Principal

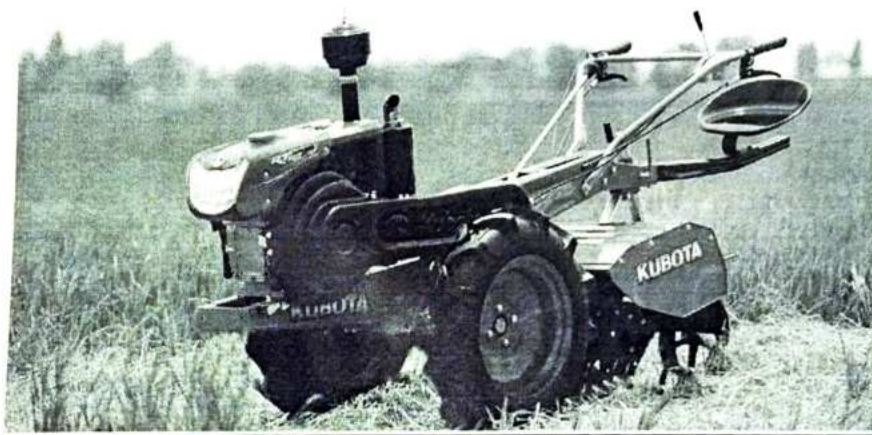
PAAVAI ENGINEERING COLLEGE

(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

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.



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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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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	a	a	a	a	a
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	a	a	a	a	a
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.F	/	/	/	/	/
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

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**.

M. Benny

Course Incharge

[Signature]

HOD

[Signature]

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**

M. Benny

Course Incharge

[Signature]

HOD

[Signature]

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.

M. Benny

Course Incharge

[Signature]

HOD

[Signature]

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

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 -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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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	/	/	/	/	/
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	o	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

X.S. Sathya

Course Incharge

[Signature]

HOD

[Signature]

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

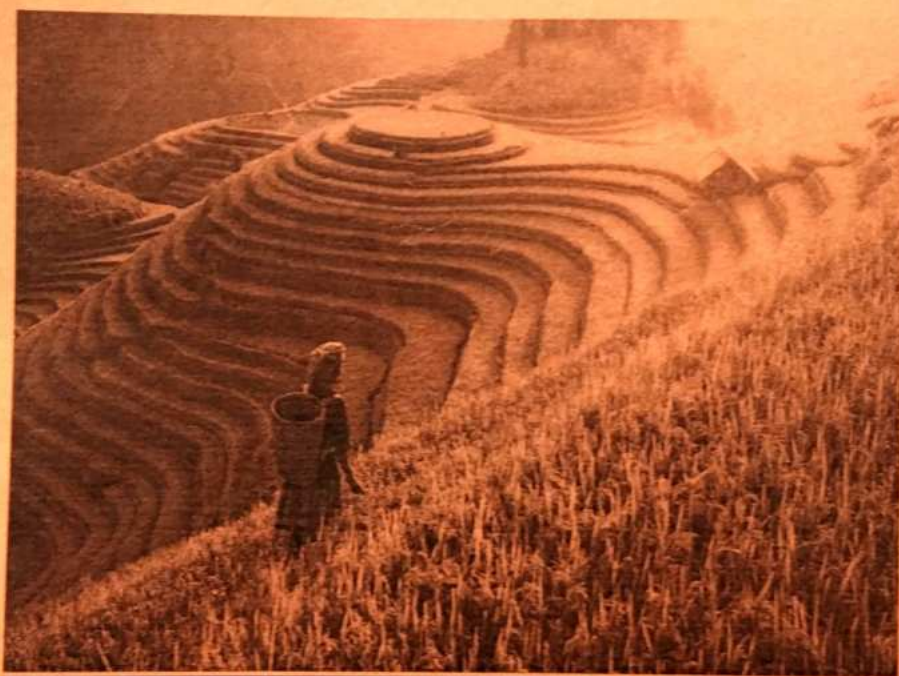
PAAVAI ENGINEERING COLLEGE

(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

**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, Hospitability: 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.

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)**

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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 "**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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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	KANIMOZHIL.K	/	/	/	/	/
41	17102043	KANIMOZHIL.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

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

K. Varghese

Course Incharge

[Signature]

HOD

[Signature]

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**.



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

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

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)

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: 31.08.2021– 04.09.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Mr.P.MANIVANNAN, AP/BME



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

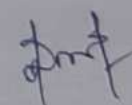
DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 11.08.2021

CIRCULAR

It is planned to conduct Five days training course on “**21BMVC301 - Basic Electronic Circuit Design using Multisim**” for 7th semester students from 31.08.2021 to 4.09.2021. The interested students are asked to enrol their name to the course coordinator Mr.P.MANIVANNAN, AP/BME on or before 20.08.2021.

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HOD

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Value added course Attendance sheet

Academic Year: 2021-2022

Date: 31.08.2021

Name of the course: 21BMVC301 - Basic Electronic Circuit Design using Multisim

S.No	Reg. No	Name	31.08.2021	01.09.2021	02.09.2021	03.09.2021	04.09.2021
1	18109001	AJITH.G	/	/	/	/	/
2	18109002	ANJANA KUMARI.K	/	/	/	/	/
3	18109004	ARUNA.M	/	/	/	/	/
4	18109005	BHUVANESHWARI.R	/	/	/	/	/
5	18109006	DHANUSH.S	/	/	/	/	/
6	18109007	DINESH.K	/	/	/	/	/
7	18109008	FAIJOORRAHUMAN.A	/	/	/	/	/
8	18109010	GLORIA. K	/	/	/	/	/
9	18109011	GOKUL RAJ.N	/	/	/	/	/
10	18109012	INDHUJA.S.V	/	/	/	/	/
11	18109013	JAMUNA.B	/	/	/	/	/
12	18109014	JANANI.B	/	/	/	/	/
13	18109015	JEEVA.S.P	/	/	/	/	/
14	18109016	JOTHIS	/	/	/	/	/
15	18109018	KARUNANITHI.K	/	/	/	/	/
16	18109019	KAVIN KUMAR.M	/	/	/	/	/
17	18109020	KAVINNILAVAN.K	/	/	/	/	/

18	18109021	KAVUSHIKA.N	/	/	/	/	/
19	18109022	KEERTHANA.S	/	/	/	/	/
20	18109023	MAHESHWARAN.S	/	/	/	/	/
21	18109024	MANIKANDAN.M	/	/	/	/	/
22	18109025	MANIMEGALAI.M	/	/	/	/	/
23	18109026	PAVITHRA.M	/	/	/	/	/
24	18109028	RAGUL.M	/	/	/	/	/
25	18109029	RAJESH.M	/	/	/	/	/
26	18109030	RAKESH.A	/	/	/	/	/
27	18109031	RANJITH KUMAR. S	/	/	/	/	/
28	18109032	SABARI BALAJI. S	/	/	/	/	/
29	18109033	SANDRA ELIZABATH	/	/	/	/	/
30	18109034	SARIKA.R	/	/	/	/	/
31	18109035	SATHASIVAM.S	/	/	/	/	/
32	18109036	SATHES.S	/	/	/	/	/
33	18109037	SATHIYA PRIYA.V	/	/	/	/	/
34	18109038	SATHIYAVANLA	/	/	/	/	/
35	18109039	SHOBICA.B	/	/	/	/	/
36	18109040	SILAMBARASAN.G	/	/	/	/	/
37	18109041	SIREESHA.R	/	/	/	/	/
38	18109042	SUMAIYA.T	/	/	/	/	/
39	18109043	SURYA.R	/	/	/	/	/

40	18109044	SWATHI.M	/	/	/	/	/
41	18109045	UDHAYANITHLN	/	/	/	/	/
42	18109046	VAISHNAVLK	/	/	/	/	/
43	18109047	VINITHA.P	/	/	/	/	/



Course Coordinator



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

N.KAVUSHIKA

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

Electronic Circuit Design using Multisim course from **31/08/2021** to **04/09/2021**

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

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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 **FINAL** Year has successfully completed the **Basic**

Electronic Circuit Design using Multisim course from **31/08/2021** to **04/09/2021**

Course Coordinator

HOD

Principal



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Department of Biomedical Engineering

CERTIFICATE

This is to certify

K.VAISHNAVI

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **Basic Electronic Circuit Design using Multisim** course from **31/08/2021** to **04/09/2021**

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

Course Coordinator

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

HOD

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

Principal



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Department of Biomedical Engineering

CERTIFICATE

This is to certify

M.RAGUL

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **Basic Electronic Circuit Design using Multisim** course from **31/08/2021** to **04/09/2021**

Course Coordinator

HOD

Principal



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Department of Biomedical Engineering

CERTIFICATE

This is to certify

T.SUMAIYA

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

Electronic Circuit Design using Multisim course from **31/08/2021** to **04/09/2021**

Course Coordinator

HOD

Principal

20BMVC301

EMBEDDED PROGRAMMING USING ARDUINO

0021

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)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE

20BMVC301- Embedded programming using Arduino

COURSE CONTENT

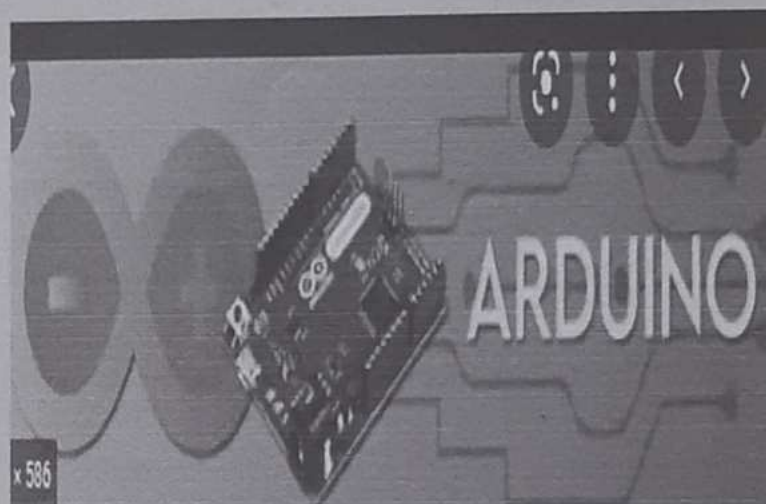
Module 1: Arduino Basics

Module 2: Arduino Function Libraries

Module 3: Arduino Sensors And Interfacing

**Module 4: Arduino Interfacing And Real
Time Projects**

Module 5: Programming



DATE: 31.08.2021 - 04.09.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Ms. S.PRAVEENA AP/MDE.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

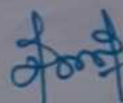
DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 11.08.2021

CIRCULAR

It is planned to conduct Five days training course on "20BMVC301 - Embedded programming using Arduino" for 5th semester students from 31.08.2021 to 4.09.2021. The interested students are asked to enrol their name to the course coordinator Ms.S.PRAVEENA AP/MDE on or before 20.08.2021.

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HOD

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Value added course Attendance sheet

Academic Year: 2021-2022

Date: 31.08.2021

Name of the course: 20BMVC301 - Embedded programming using Arduino

S.No	Reg. No	Name	31.08.2021	01.09.2021	02.09.2021	03.09.2021	04.09.2021
1	19109002	AJAY RAJI	/	/	/	/	/
2	19109003	AKASH LAL	/	/	/	/	/
3	19109004	AKASH.S	/	a	a	/	/
4	19109005	ANANDHU. V	/	/	/	/	/
5	19109006	ANBARASAN. V	/	/	/	/	/
6	19109007	ANITHA.K	/	/	/	/	/
7	19109008	BALAJI.D	/	/	/	/	/
8	19109009	BASIL KURIAKOSE	/	/	/	/	/
9	19109010	DHARANBALA.R	/	/	/	/	/
10	19109011	GAUSHIK.K	/	/	/	a	/
11	19109012	GUNASEKAR.P	/	a	a	a	/
12	19109013	HEMASRI.V	/	/	/	/	/
13	19109014	KABILAN.R	/	/	/	/	/
14	19109016	KATHIRAVAN.S	/	/	/	/	/
15	19109017	KAVIYARASAN.M	/	/	/	/	/

16	19109018	KAVIYARASAN.S	/	/	/	/	/
17	19109019	KEERTHANA SIVADAS	/	/	/	/	/
18	19109020	KEERTHANA.M	/	/	/	/	/
19	19109021	KRISHNARAJ.K	/	/	/	/	/
20	19109022	MAHALAKSHMI.A	/	/	/	/	/
21	19109023	MANOJ.S	/	/	/	/	/
22	19109024	MATHAN.M	/	/	/	/	/
23	19109025	MATHESWARI.S	/	/	/	/	/
24	19109027	NANDHINI. S	/	/	/	/	/
25	19109028	NARMATHA.N	/	/	/	/	/
26	19109029	NAVANEETH RAJ.K.B	/	/	/	/	/
27	19109030	NAVEENA EVANGELIN.J	/	/	/	/	/
28	19109031	NIVETHIKA.A	/	/	/	/	/
29	19109032	PRATHIPA.P	/	/	/	/	/
30	19109033	PREETHIKA.M	/	/	/	/	/
31	19109034	RISANTH.N	/	/	/	/	/
32	19109035	RITHIKA SHALINI.S	/	/	/	/	/
33	19109036	ROHITHVIJAY	/	/	/	/	/
34	19109037	SABARINATH.R	/	/	a	/	/
35	19109038	SABITHA.M	/	/	/	/	/
36	19109039	SANDHIYAR	/	/	/	/	/
37	19109041	SARAN.J	/	a	/	/	/
38	19109042	SASVARTHINI.S	/	/	/	/	/
39	19109043	SATHISH.K	/	a	a	/	/
40	19109044	SELVARAGAVAN.K	/	/	/	/	/

41	19109045	SELVARANI.D	/	/	/	/	/
42	19109046	SENTHILKUMAR.M	/	/	/	/	/
43	19109047	SHALINI.S	/	/	/	/	/
44	19109048	SHARMADHA.R	/	/	/	/	/
45	19109049	SIVA.S	/	/	/	/	/
46	19109050	SURYA.S	/	/	/	/	/
47	19109052	SYED MUNEER.N	/	/	/	/	/
48	19109053	TAMILARASAN.B	/	/	/	/	/
49	19109055	THAMIZHARASAN.K	/	/	/	/	/
50	19109054	TAMILARASAN.M	/	/	/	/	/
51	19109056	THANGARAJ.V	/	/	/	/	/
52	19109057	THIRUVIKKARAMAN.E	/	/	/	/	/
53	19109058	VASANTH.S	/	/	/	/	/
54	19109059	VIGNESH.R	/	/	/	/	/
55	19109060	VIJAY.M	/	/	/	/	/
56	19109061	VIJAYAN.S	/	/	/	/	/
57	19109062	VISHAL.M	/	/	/	/	/
58	19109063	VISHNUPRIYA.S	/	/	/	/	/
59	19109301	VARADHARAJAN.S	/	/	/	/	/


Course Coordinator



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

DHARANBALA.R

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **Embedded programming using Arduino** course from **31/08/2021** to **04/09/2021**

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

Course Coordinator

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

HOD

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

Principal



PAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

KAVIYARASAN.M

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **Embedded programming using Arduino** course from **31/08/2021 to 04/09/2021**

Course Coordinator

HOD

Principal



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

Department of Biomedical Engineering

CERTIFICATE

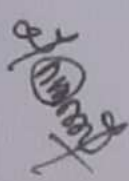
This is to certify

KEERTHANA SIVADAS

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **Embedded programming using Arduino** course from **31/08/2021** to **04/09/2021**



Course Coordinator



HOD



Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

VIJAY.M

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **Embedded programming using Arduino** course from **31/08/2021** to **04/09/2021**

Course Coordinator

HOD

Principal

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

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: 31.08.2021– 04.09.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

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



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 11.08.2021

CIRCULAR

It is planned to conduct Five days training course on **"19BMVC301 - Web Design"** for 3rd semester students from 31.08.2021 to 4.09.2021. The interested students are asked to enrol their name to the course coordinator Ms.S.SENTHAMIL AP/MDE on or before 20.08.2021.

COPY TO: NOTICE BOARD


HOD

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Value added course Attendance sheet

Academic Year: 2021-2022

Date: 31.08.2021

Name of the course: 19BMVC301 - Web Design

S.No	Reg. No	Name	31.08.2021	01.09.2021	02.09.2021	03.09.2021	04.09.2021
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	/	/	a	/	/
12	20109013	HARISH.P	/	/	/	/	/
13	20109014	HARISH.R	/	/	/	/	/
14	20109015	JAYAKRISHNAN.K	/	/	/	/	/
15	20109016	JAYAPRAKASH.R	/	/	/	/	/
16	20109017	JEEVITHA.K	/	/	/	/	/

17	20109018	JOHNSON.R	/	/	/	/	/
18	20109019	KANAGASANTHOSH.M.M	/	/	/	/	/
19	20109020	KIRUTHIKA.P	/	/	/	/	/
20	20109021	KRITHIKA.K	/	/	/	/	/
21	20109022	MAARVIN.M	/	/	a	/	/
22	20109023	MATHANKUMAR.M	/	/	/	/	/
23	20109024	MOHAMED ARSHATH.A	/	/	/	/	/
24	20109025	MOHAMMED SULTHAN.A	/	/	/	/	/
25	20109026	MUKILA.M	/	/	/	/	/
26	20109027	NANDEESHWARAN.J	/	/	/	/	/
27	20109028	NANDHA.G	/	/	/	/	/
28	20109030	PAVITHRA.S	/	/	/	/	/
29	20109031	PRAKASH.K.V	/	/	/	/	/
30	20109032	PRASANNAPRIYA.R	/	/	/	/	/
31	20109033	PRASANTH.P	/	/	/	/	/
32	20109034	RAGAVARSHINI.S	/	/	/	/	/
33	20109035	ROSHAN KUMAR.V	/	/	/	/	/
34	20109036	RUGIYA.A	/	/	/	/	/
35	20109037	SAFA FAREN.M.J	/	/	/	/	/
36	20109038	SAKTHIVEL.M	/	/	/	/	/
37	20109039	SANDHIYA.S	/	/	/	/	/
38	20109040	SANJITH SWAMY.R	/	/	/	/	/
39	20109042	SATHIYA.A	/	/	/	/	/
40	20109043	SELVAKUMAR.M	/	/	/	/	/
41	20109044	SELVAKUMAR.N	/	/	/	/	/

42	20109045	SENTHILKUMAR.N	/	/	/	/	/
43	20109046	SIVAMANLS	/	/	/	/	/
44	20109047	SOUNDARYA.S	/	/	/	/	/
45	20109048	SOWNDARYA.S	/	/	/	/	/
46	20109049	SRIDHAR.S	/	a	/	/	/
47	20109050	SUBHIKSHA.S	/	/	/	/	/
48	20109051	SUDEEP.C	/	/	/	/	/
49	20109052	SUPRAJA.O	/	/	/	/	/
50	20109053	SUARNALATHA.V	/	/	/	/	/
51	20109054	SWETHA.S	/	/	/	/	/
52	20109055	VAJITHRA.C	/	/	/	/	/
53	20109056	VASANTHABEL.P	/	/	/	/	/
54	20109057	VIGNESH VARMA.H	/	/	/	/	/
55	20109058	VIJAI.V	/	/	/	/	/
56	20109059	VINOTHA.M	/	/	/	/	/
57	20109060	VISWA.R	/	/	/	/	/
58	20109061	YUVANESHWARAN.P	/	/	/	/	/

Sahini
Course Coordinator



PAAVAI ENGINEERING COLLEGE

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Department of Biomedical Engineering


CERTIFICATE

This is to certify

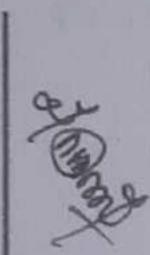
ARIVOLI.M

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

Design course from 31/08/2021 to 04/09/2021



Course Coordinator



HOD



Principal



PAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

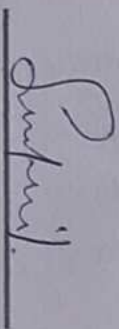
CERTIFICATE

This is to certify

CHARUMATHI.S

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

Design course from 31/08/2021 to 04/09/2021



Course Coordinator



HOD



Principal



PAAVAI ENGINEERING COLLEGE

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Department of Biomedical Engineering

CERTIFICATE

This is to certify

RUGIYA.A

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

Design course from **31/08/2021** to **04/09/2021**

A handwritten signature in black ink, appearing to read 'Sankar', 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 Biomedical Engineering

CERTIFICATE

This is to certify

SELVAKUMAR.M

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

Design course from 31/08/2021 to 04/09/2021

Course Coordinator

HOD

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Department of Biomedical Engineering

CERTIFICATE

This is to certify

SWETHA.S

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **Web Design** course from **31/08/2021** to **04/09/2021**

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

Course Coordinator

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

HOD

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

Principal

21BMVC401

VHDL PROGRAMMING

0011

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

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DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE

21BMVC401- VHDL PROGRAMMING

COURSE CONTENT

Module 1: Basics of VHDL Systems

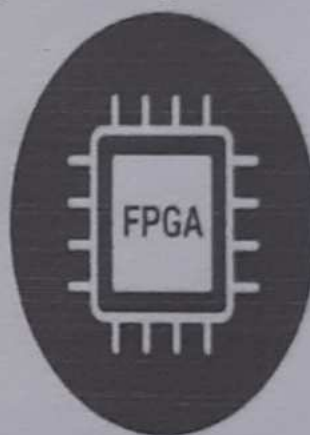
Module 2: System modeling

Module 3: Architecture

**Module 4: Communication
Architecture**

Module 5: IoT Standards

VHDL Programming Training for FPGA



DATE: 23.11.2021 - 27.11.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Dr.S BASKAR. AP/BME



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 08.11.2021

CIRCULAR

It is planned to conduct Five days training course on “**21BMVC401 - VHDL Programming**” for 8th semester students from 23.11.2021 to 27.11.2021. The interested students are asked to enrol their name to the course coordinator Dr. S. Baskar, AP/BME on or before 16.11.2021.

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PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF BIOMEDICAL ENGINEERING

Value added course Attendance sheet

Academic Year: 2021-2022

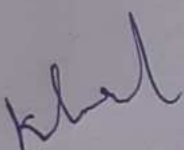
Date: 23.11.2021

Name of the course: 21BMVC401 - VHDL Programming

S.No	Reg. No	Name	23.11.2021	24.11.2021	25.11.2021	26.11.2021	27.11.2021
1	18109001	AJITH.G	/	/	/	/	/
2	18109002	ANJANA KUMARI.K	/	/	/	/	/
3	18109004	ARUNA.M	/	/	/	/	/
4	18109005	BHUVANESHWARI.R	/	/	/	/	a
5	18109006	DHANUSH.S	/	/	/	/	/
6	18109007	DINESH.K	/	/	/	/	/
7	18109008	FAIJOORRAHUMAN.A	/	/	/	/	/
8	18109010	GLORIA. K	/	/	/	/	/
9	18109011	GOKUL RAJ.N	/	/	/	/	/
10	18109012	INDHUJA.S.V	/	/	/	/	/
11	18109013	JAMUNA.B	/	/	/	/	/
12	18109014	JANANI.B	/	/	/	/	/
13	18109015	JEEVA.S.P	/	/	/	/	/
14	18109016	JOTHIS	/	/	/	/	/
15	18109018	KARUNANITHI.K	/	/	/	/	/
16	18109019	KAVIN KUMAR.M	/	/	/	/	/
17	18109020	KAVINNILAVAN.K	/	/	a	/	/

18	18109021	KAVUSHIKA.N	/	/	/	/	/
19	18109022	KEERTHANA.S	/	/	/	/	/
20	18109023	MAHESHWARAN.S	/	/	/	/	/
21	18109024	MANIKANDAN.M	/	/	/	/	/
22	18109025	MANIMEGALAI.M	/	/	/	/	/
23	18109026	PAVITHRA.M	/	/	/	/	/
24	18109028	RAGUL.M	/	/	/	/	/
25	18109029	RAJESH.M	/	/	/	/	/
26	18109030	RAKESH.A	/	/	/	/	/
27	18109031	RANJITH KUMAR. S	/	/	/	/	/
28	18109032	SABARI BALAJI. S	/	/	/	/	/
29	18109033	SANDRA ELIZABATH	/	/	/	/	/
30	18109034	SARIKA.R	/	/	/	/	/
31	18109035	SATHASIVAM.S	/	/	/	/	/
32	18109036	SATHES.S	/	/	/	/	/
33	18109037	SATHIYA PRIYA.V	/	/	/	/	/
34	18109038	SATHIYAVANLA	/	/	/	/	/
35	18109039	SHOBICA.B	/	/	/	/	/
36	18109040	SILAMBARASAN.G	/	/	/	/	/
37	18109041	SIREESHA.R	/	/	/	/	/
38	18109042	SUMAIYA.T	/	/	/	/	/
39	18109043	SURYA.R	/	/	/	/	/

40	18109044	SWATHI.M	/	/	/	/	/
41	18109045	UDHAYANITHI.N	/	/	/	/	/
42	18109046	VAISHNAVI.K	/	/	/	/	/
43	18109047	VINITHA.P	/	/	/	/	/


Course Coordinator



PAVAI ENGINEERING COLLEGE

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

N.KAVUSHIKA

of Paavai Engineering College, studying in **FINAL** Year has successfully completed the **VHDL**
Programming course from 23/11/2021 to 27/11/2021

K. Sub

Course Coordinator

K. Sub

HOD

K. Sub

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Biomedical Engineering

CERTIFICATE

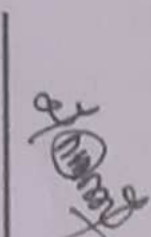
This is to certify

K.KAVINNILAVAN

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

This is to certify

K.VAISHNAVI

of Paavai Engineering College, studying in FINAL 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.RAGUL

of Paavai Engineering College, studying in **FINAL 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

T.SUMAIYA

of Paavai Engineering College, studying in **FINAL** Year has successfully completed the **VHDL**
Programming course from 23/11/2021 to 27/11/2021

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

Course Coordinator

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

HOD

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Principal

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)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE

20BMVC401- MATLAB PROGRAMMING

COURSE CONTENT

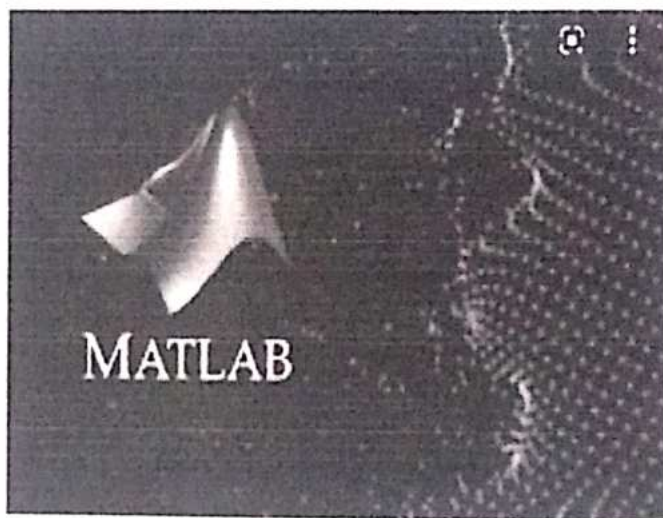
Module 1: Basics of MATLAB

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: 23.11.2021 - 27.11.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Mr. S.Jotheeshwaran AP/BME



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 08.11.2021

CIRCULAR

It is planned to conduct Five days training course on “**20BMVC401 – MATLAB programming**” for 6th semester students from 23.11.2021 to 27.11.2021. The interested students are asked to enrol their name to the course coordinator Mr. S.Jothieshwaran, AP/BME on or before 16.11.2021.

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PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF BIOMEDICAL ENGINEERING

Value added course Attendance sheet

Academic Year: 2021-2022

Date: 23.11.2021

Name of the course: 20BMVC401 - MATLAB programming

S.No	Reg. No	Name	23.11.2021	24.11.2021	25.11.2021	26.11.2021	27.11.2021
1	19109002	AJAY RAJI	/	/	/	/	/
2	19109003	AKASH LAL	/	/	/	/	/
3	19109004	AKASH S	/	/	/	/	/
4	19109005	ANANDHU. V	/	/	/	/	/
5	19109006	ANBARASAN. V	/	/	/	/	/
6	19109007	ANITHA.K	/	/	/	/	/
7	19109008	BALAJI.D	/	/	/	/	/
8	19109009	BASIL KURIAKOSE	/	/	/	/	/
9	19109010	DHARANBALA.R	/	/	/	/	/
10	19109011	GAUSHIK.K	/	/	/	/	/
11	19109012	GUNASEKAR.P	/	/	/	/	/
12	19109013	HEMASRI.V	/	/	/	/	/
13	19109014	KABILAN.R	/	/	/	/	/
14	19109016	KATHIRAVAN.S	/	/	/	/	/
15	19109017	KAVIYARASAN.M	/	/	/	/	/

16	19109018	KAVIYARASAN.S	/	/	/	/	/
17	19109019	KEERTHANA SIVADAS	/	/	/	/	/
18	19109020	KEERTHANA.M	/	/	/	/	/
19	19109021	KRISHNARAJ.K	/	/	/	/	/
20	19109022	MAHALAKSHMI.A	/	/	/	/	/
21	19109023	MANOJ.S	/	/	/	/	/
22	19109024	MATHAN.M	/	/	/	/	/
23	19109025	MATHESWARI.S	/	/	/	/	/
24	19109027	NANDHINI.S	/	/	/	/	/
25	19109028	NARMATHA.N	/	/	/	/	/
26	19109029	NAVANEETH RAJ.K.B	/	/	/	/	/
27	19109030	NAVEENA EVANGELIN.J	/	/	/	/	/
28	19109031	NIVETHIKA.A	/	/	/	/	/
29	19109032	PRATHIPA.P	/	/	/	/	/
30	19109033	PREETHIKA.M	/	/	/	/	/
31	19109034	RISANTH.N	/	/	/	/	/
32	19109035	RITHIKA SHALINI.S	/	/	/	/	/
33	19109036	ROHITHVIJAY	/	/	/	/	/
34	19109037	SABARINATH.R	/	/	/	/	/
35	19109038	SABITHA.M	/	/	/	/	/
36	19109039	SANDHIYA.R	/	/	/	/	/
37	19109041	SARAN.J	/	/	/	/	/
38	19109042	SASVARTHINI.S	/	/	/	/	/
39	19109043	SATHISH.K	/	/	/	/	/
40	19109044	SELVARAGAVAN.K	/	/	/	/	/

41	19109045	SELVARANI.D	/	/	/	/	/
42	19109046	SENTHILKUMAR.M	/	/	/	/	/
43	19109047	SHALINI.S	/	/	/	/	/
44	19109048	SHARMADHA.R	/	/	/	/	/
45	19109049	SIVA.S	/	/	/	/	/
46	19109050	SURYA.S	/	/	/	/	/
47	19109052	SYED MUNEE.R.N	/	/	/	/	/
48	19109053	TAMILARASAN.B	/	/	/	/	/
49	19109055	THAMIZHARASAN.K	/	/	/	/	/
50	19109054	TAMILARASAN.M	/	/	/	/	/
51	19109056	THANGARAJ.V	/	/	/	/	/
52	19109057	THIRUVIKKARAMAN.E	/	/	/	/	/
53	19109058	VASANTH.S	/	/	/	/	/
54	19109059	VIGNESHI.R	/	/	/	/	/
55	19109060	VIJAY.M	/	/	/	/	/
56	19109061	VIJAYAN.S	/	/	/	/	/
57	19109062	VISHAL.M	/	/	/	/	/
58	19109063	VISHNUPRIYA.S	/	/	/	/	/
59	19109301	VARADHARAJAN.S	/	/	/	/	/


Course Coordinator



PAAVAI ENGINEERING COLLEGE

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

Department of Biomedical Engineering

CERTIFICATE

This is to certify

DHARANBALA.R

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **MATLAB** programming course from 23/11/2021 to 27/11/2021

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

Course Coordinator

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

HOD

A handwritten signature in black ink, appearing to read 'S. Jadhav', 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

KAVIYARASAN.M

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **MATLAB**
programming course from 23/11/2021 to 27/11/2021

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

Course Coordinator

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

HOD

A handwritten signature in red ink, appearing to read 'P. Jeyaraj', 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

KEERTHANA SIVADAS

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

NAVEENA EVANGELIN.J

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

VIJAY.M

of Paavai Engineering College, studying in **THIRD** Year has successfully completed the **MATLAB** programming course from 23/11/2021 to 27/11/2021



Course Coordinator



HOD



Principal

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

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DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE

19BMVC401- INTERNET OF THINGS

COURSE CONTENT

Module 1: Embedded system product development cycle

Module 2: Formalisms in system modeling

Module 3: IOT architecture reference model

Module 4: IOT communication architecture

Module 5: IOT architecture standards



DATE: 23.11.2021 – 27.11.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Mr. D. Murugesan, ASP/MDE



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 08.11.2021

CIRCULAR

It is planned to conduct Five days training course on “**19BMVC401 – Internet Of Things**” for 4th semester students from 23.11.2021 to 27.11.2021. The interested students are asked to enrol their name to the course coordinator Mr. D. Murugesan, ASP/MDE on or before 16.11.2021.

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HOD

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Value added course Attendance sheet

Academic Year: 2021-2022


Date: 23.11.2021

Name of the course: 19BMVC401 - Internet Of Things

S.No	Reg. No	Name	23.11.2021	24.11.2021	25.11.2021	26.11.2021	27.11.2021
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	/	/	a	/	/
8	20109008	BALAJI.M	/	/	/	/	/
9	20109009	BALAMURUGAN.R	/	/	/	/	/
10	20109010	CHARUMATHI.S	/	/	/	/	/
11	20109011	DHEJJASWINI.E	/	a	a	a	/
12	20109013	HARISH.P	/	/	/	/	/
13	20109014	HARISH.R	/	/	a	/	/
14	20109015	JAYAKRISHNAN.K	/	/	/	/	/
15	20109016	JAYAPRAKASH.R	/	/	/	/	/
16	20109017	JEEVITHA.K	/	/	/	/	/

17	20109018	JOHNSON.R	/	/	/	/	/
18	20109019	KANAGASANTHOSH.M.M	/	/	/	/	/
19	20109020	KIRUTHIKA.P	/	/	/	/	/
20	20109021	KRITHIKA.K	/	/	/	/	/
21	20109022	MAARVIN.M	/	/	/	/	/
22	20109023	MATHANKUMAR.M	/	/	/	/	/
23	20109024	MOHAMED ARSHATH.A	/	/	/	/	/
24	20109025	MOHAMMED SULTHAN.A	/	/	/	/	/
25	20109026	MUKILA.M	/	/	/	/	/
26	20109027	NANDEESHWARAN.J	/	/	/	a	/
27	20109028	NANDHA.G	/	/	a	/	/
28	20109030	PAVITHRA.S	/	/	/	/	/
29	20109031	PRAKASH.K.V.	a	a	a	a	a
30	20109032	PRASANNAPRIYA.R	/	/	/	/	/
31	20109033	PRASANTH.P	/	/	/	/	/
32	20109034	RAGAVARSHINI.S	/	/	/	/	/
33	20109035	ROSHAN KUMAR.V	/	/	/	/	/
34	20109036	RUGIYA.A	/	/	/	/	/
35	20109037	SAFA FAREN.M.J	/	/	/	/	/
36	20109038	SAKTHIVEL.M	/	/	/	/	/
37	20109039	SANDHIYA.S	/	/	/	/	/
38	20109040	SANJITH SWAMY.R	/	/	/	/	/
39	20109042	SATHIYA.A	/	/	/	/	/
40	20109043	SELVAKUMAR.M	/	/	/	/	/
41	20109044	SELVAKUMAR.N	/	/	/	/	/

42	20109045	SENTHILKUMAR.N	/	/	/	/	/
43	20109046	SIVAMANIS	/	a	/	/	/
44	20109047	SOUNDARYA.S	/	/	/	/	/
45	20109048	SOWNDARYA.S	/	/	/	/	/
46	20109049	SRIDHAR.S	/	/	a	a	a
47	20109050	SUBHIKSHA.S	/	/	/	/	/
48	20109051	SUDEEP.C	/	/	/	/	/
49	20109052	SUPRAJA.O	/	/	/	/	/
50	20109053	SUVARNALATHA.V	/	/	/	/	/
51	20109054	SWETHA.S	/	/	/	/	/
52	20109055	VAJITHRA.C	/	/	/	/	/
53	20109056	VASANTHA VEL.P	/	/	/	/	/
54	20109057	VIGNESH VARMA.H	/	/	/	/	/
55	20109058	VIJAI.V	/	/	/	/	/
56	20109059	VINOTHA.M	/	/	/	/	/
57	20109060	VISWA.R	/	/	/	/	/
58	20109061	YUVANESHWARAN.P	/	/	/	/	/


Course Coordinator



PAAVAI ENGINEERING COLLEGE

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Department of Biomedical Engineering

CERTIFICATE

This is to certify

ARIVOLI.M

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

Of Things course from 23/11/2021 to 27/11/2021

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

Course Coordinator

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

HOD

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

Principal



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Department of Biomedical Engineering

CERTIFICATE

This is to certify

CHARUMATHI.S

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

Of Things 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

RUGIYA.A

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

Of Things 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

SELVAKUMAR.M

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

SWETHA.S

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **Internet Of Things** course from 23/11/2021 to 27/11/2021

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

Course Coordinator

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

HOD

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

Principal

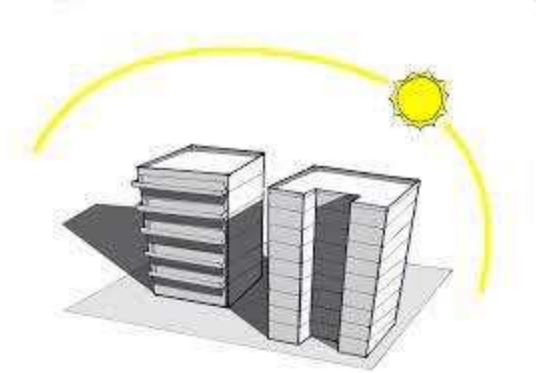


PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

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

Value Added Course

21CEVC301 – FUNDAMENTALS OF BUILDING ORIENTATION AND GREEN BUILDING CONCEPTS



- ❖ Building orientation is the practice of facing a building so as to maximize certain aspects of its surroundings, such as street appeal, to capture a scenic view, for drainage considerations, etc.
- ❖ Green building construction practices and products make homes more energy efficient through proper, adequate insulation and air sealing. Efficient windows, appliances, lighting and other household equipment also help add to the savings and keep your monthly electricity bills low.

Date:

Venue:

Course Co-ordinator:

1. Mrs.B.Kiruthika
2. Mrs.M.SreeAjantha

**21CEVC301 FUNDAMENTALS OF BUILDING ORIENTATION AND DESIGN OF
GREEN BUILDING CONCEPTS**

COURSE OBJECTIVES

To enable the students to

- To impart knowledge site selection and planning.
- To know the importance of sustainable use of natural resources and energy.
- To understand the principles of effective energy and resources management in buildings.

Module I

Site selection and planning: Criteria for site selection, preservation of landscape, soil erosion control, minimizing urban heat island effect, maximize comfort by proper orientation of building facades, day lighting, ventilation, and so on.

Module II

Water conservation and efficiency: Rainwater harvesting methods for roof & non-roof, reducing landscape water demand by proper irrigation systems, water efficient plumbing systems, water metering, waste water treatment, recycle and reuse systems.

Module II

Introduction to Green Buildings: Definition of green buildings, definition of sustainability, typical features of green buildings, benefits of green buildings towards sustainable development. Green building rating systems – GRIHA, IGBC and LEED, overview of the criteria as per these rating systems.

TOTAL PERIODS: 30

COURSE OBJECTIVES

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

- Define the methods of site selection and planning.
- Describe the criteria used for site selection and water efficiency methods.
- Explain the energy efficiency terms and methods used in green building practices

TEXT BOOKS:

1. Alternative building materials and technologies by K.S. Jagadish, B.V. Venkatarama Reddy and K.S. Nanjunda Rao.
2. Mike Montoya, Green Building Fundamentals, Pearson, USA, 2010.

REFERENCES:

1. IGBC Green Homes Rating System, Version 2.0., Abridged reference guide, 2013, Indian Green Building Council Publishers.
2. Charles J. Kibert, Sustainable Construction - Green Building Design and Delivery, John Wiley & Sons, New York, 2008.



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF CIVIL ENGINEERING

DATE: 26.07.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on “**21CEVC301 – FUNDAMENTALS OF BUILDING ORIENTATION AND GREEN BUILDINGS CONCEPTS**” for Third semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their names to the course Incharge Mrs.B.Kiruthika, AP/Civil on or before 01.08.2021.

Course Incharge:

1. Mrs.B.Kiruthika, AP/Civil
2. Mrs.M.Sreeajantha, AP/Civil


HOD/Civil

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/III

Name of the course : 21CEVC301 Fundamentals of Building orientation and Design of Green Building concepts

S:No	Register Number	Student Name	02/08/21	03/08/21	04/08/21	05/08/21	06/08/21
1	20103001	ALUBILLI PARVATHI	/	/	AB	/	/
2	20103002	DEVENTHIRAN.E	/	/	/	/	/
3	20103003	DHARANI.V	/	/	/	/	/
4	20103004	DHARUN.D	/	/	/	/	/
5	20103005	GOHULAKRISHNAN.K	/	AB	/	/	/
6	20103006	GOKUL.M	/	/	/	/	/
7	20103008	HUMAIRA.M	/	/	/	/	/
8	20103010	PRASANNA .S	/	/	/	/	AB
9	20103011	PRAVEEN.G	/	/	/	/	/
10	20103012	PRIYADHARSAN.T	/	/	/	/	/
11	20103013	RANJITH.P	/	/	/	/	/
12	20103014	RUBHINI.S	/	/	/	/	/
13	20103015	SARANKUMAR.S	/	/	/	/	/
14	20103016	SHARUMATHI.R	/	/	/	/	/
15	20103017	THENSWETHA.P.N	/	/	/	/	/
16	20103301	AAZIK RASUL. M	/	/	/	/	/
17	20103302	ARUNACHALAM.N	/	/	/	/	/
18	20103303	ASATH SARATHI. S	AB	AB	AB	AB	AB
19	20103304	DIVAKARAN.K	AB	AB	AB	AB	AB
20	20103305	KASTHURI. P	/	/	/	/	/
21	20103306	KEERTHIKA. P	/	/	/	/	/
22	20103307	NAVEENKUMAR. K	AB	AB	AB	AB	AB
23	20103308	PRAVEEN. A	/	/	/	/	/
24	20103309	RAJA. T	/	/	/	/	/
25	20103310	SOUNDHARYA. A	/	/	/	/	AB

26	20103311	TAMILARASAN.K	/	/	/	AB	/
27	20103312	THIRUMOORTHY.D	AB	AB	AB	AB	AB
28	20103313	VALLARASU. M	AB	AB	AB	AB	AB
29	20103314	VASANTH. K	AB	/	/	/	/
30	20103315	JAIKARAS.	/	/	/	/	AB


HoD-Civil

Course Incharge

1. Mrs. B.kiruthika, APl/civil - B. K. Ganga
2. Mrs. M. Sreejantha, APl/civil



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

DEVENTHIRAN E

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 21CEVC301 Fundamentals of Building Orientation and Green Buildings Concepts. The duration of the Course is 30hours .(**02/08/2021 to 06/08/2021**) .

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

Course Incharge

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

HoD

A handwritten signature in blue ink, appearing to read 'pr', 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

DHARANI V

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 21CEVC301 Fundamentals of Building Orientation and Green Buildings Concepts. The duration of the Course is 30hours .(**02/08/2021 to 06/08/2021**) .

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

Course Incharge

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

HoD

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

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Civil Engineering

CERTIFICATE

This is to certify that

DHARUN D

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 21CEVC301 Fundamentals of Building Orientation and Green Buildings Concepts. The duration of the Course is 30hours .(**02/08/2021 to 06/08/2021**) .

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

Course Incharge

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

HoD

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

Principal



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Department of Civil Engineering

CERTIFICATE

This is to certify that

HUMAIRA M

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 21CEVC301 Fundamentals of Building Orientation and Green Buildings Concepts. The duration of the Course is 30hours .(**02/08/2021 to 06/08/2021**) .

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

Course Incharge

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

HoD

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Principal



PAAVAI ENGINEERING COLLEGE

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Department of Civil Engineering

CERTIFICATE

This is to certify that

PRASANNA S

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course 21CEVC301 Fundamentals of Building Orientation and Green Buildings Concepts. The duration of the Course is 30hours .(**02/08/2021 to 06/08/2021**) .

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

Course Incharge

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

HoD

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

Principal



PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF CIVIL ENGINEERING

COURSE NAME:

❖ UNDERGROUND SPACE TECHNOLOGY



- ❖ This course imparts knowledge of methods of analysis and design of underground excavations in rocks and jointed rock masses for hydro-power projects and large underground storages for various purposes.
- ❖ The course Underground space can be divided into different categories according to its end use: space intended for use by the general public, traffic space, technical maintenance facilities, industrial and production facilities, and special-use facilities.

Date of conduction: 21.02.2022 to 25.02.2022

Course Incharges:

1. Mr.N.Moorthi, AP/Civil
2. Ms.S.Gayathri, AP/Civil

COURSE OBJECTIVES:

To enable the students to

- Gain knowledge on properties of rocks
- Understand the basic classification of rocks
- Learn about the various support systems

Module 1:

Rock Engineering Basics: rocks and rock masses, physical and mechanical properties, classification and failure criteria. Underground excavations, ground conditions, planning of and exploration for various underground construction projects, stereographic projection method, principle and its application in underground excavation design. In-situ stress, elastic stress distribution around tunnels, stress distribution for different shapes and under different in-situ stress conditions, Greenspan method, design principles, multiple openings, openings in laminated rocks, elasto-plastic analysis of tunnels.

Module 2:

Application of rock mass classification systems, ground conditions in tunneling, analysis of underground openings in squeezing and swelling ground, empirical methods, estimation of elastic modulus and modulus of deformation of rocks, uni-axial jacking /plate jacking tests, radial jacking and Goodman jacking tests, long term behaviour of tunnels and caverns, New Austrian tunneling Method (NATM), Norwegian Tunneling Method (NMT).

Module 3:

Rock mass-tunnel support interaction analysis, ground response and support reaction curves, Ladanyi's elasto-plastic analysis of tunnels, design of various support systems including concrete and shotcrete linings, steel sets, rock bolting and rock anchoring, combined support systems, estimation of load carrying capacity of rock bolts, permeability and grouting. In-situ stress, flat jack, hydraulic fracturing, single and multi-point bore hole extensometers, load cells, pressure cell. Instrumentation and monitoring of underground excavations, during and after construction, various case studies.

TOTAL PERIODS: 30

COURSE OUTCOMES:

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

- Know the properties of rocks
- Explain the basic classification of rocks
- describe about the various support systems

TEXT BOOKS:

1. Deb Debasis and Verma Abhiram Kumar, “Fundamental and Application of Rock Mechanics” PHI Learning Pvt. Ltd 2021.

REFERENCE BOOK:

1. Takatoshi Ito, et al, “Rock Mechanics and Engineering Geology in Volcanic Fields”, CRC Press 2022.



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL**

DEPARTMENT OF CIVIL ENGINEERING

DATE: 17.02.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on “**21CEVC401 – UNDERGROUND SPACE TECHNOLOGY**” for fourth semester students from 21.02.2022 to 25.02.2022. The interested students are asked to enroll their names to the course Incharge Ms.S.Gayathri, AP/Civil on or before 19.02.2022.

Course Incharge: 1. Mr.N.Moorthi AP/Civil
2. Ms.S.Gayathri AP/Civil


HOD/Civil

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II / IV

Name of the course : 21CEVC401 - Underground Space Technology

S:No	Register Number	Student Name	21/2/22	22/2/22	23/2/22	24/2/22	25/2/22
1	20103001	ALUBILLI PARVATHI	/	/	/	/	/
2	20103002	DEVENTHIRAN.E	/	/	/	/	/
3	20103003	DHARANI.V	/	/	/	/	/
4	20103004	DHARUN.D	/	/	/	/	/
5	20103005	GOHULAKRISHNAN.K	/	/	/	/	/
6	20103006	GOKUL.M	AB	AB	AB	AB	AB
7	20103008	HUMAIRA.M	/	/	/	/	/
8	20103010	PRASANNA .S	/	/	/	/	/
9	20103011	PRAVEEN.G	/	/	/	/	/
10	20103012	PRIYADHARSAN.T	/	/	/	/	/
11	20103013	RANJITH.P	/	/	/	/	/
12	20103014	RUBHINI.S	/	/	/	/	/
13	20103015	SARANKUMAR.S	/	/	/	/	/
14	20103016	SHARUMATHI.R	/	/	/	/	/
15	20103017	THENSWETHA.P.N	/	/	/	/	/
16	20103301	AAZIK RASUL. M	/	/	/	/	/
17	20103302	ARUNACHALAM.N	/	/	/	/	/
18	20103304	DIVAKARAN.K	/	/	/	/	/
19	20103305	KASTHURI. P	/	/	/	/	/
20	20103306	KEERTHIKA. P	/	/	/	/	/
21	20103307	NAVEENKUMAR. K	/	/	/	/	/
22	20103308	PRAVEEN. A	/	/	/	/	/
23	20103309	RAJA. T	/	/	/	/	/
24	20103310	SOUNDHARYA. A	/	/	/	/	/
25	20103311	TAMILARASAN.K	AB	AB	AB	AB	/

26	20103315	JAIKARAS.	/	/	/	/	/
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Course Incharge

1. Mr.N.Moorthi, AP/Civil

Moorthi.N

2. Ms.S.Gayathri, AP/Civil

S. Gayathri



HoD - Civil



PAAVAIENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

THENSWETHA P N

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course **20CEVC401 Underground Space Technology**. The duration of the Course is 30hours

(21/02/2022 to 25/02/2022) .

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

Course Incharge

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

HoD

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

Principal



PAAVAIENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

ARUNACHALAM N

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course **20CEVC401 Underground Space Technology**. The duration of the Course is 30hours

(21/02/2022 to 25/02/2022) .

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

Course Incharge

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

HoD

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

Principal



PAAVAIENGINEERING COLLEGE

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

RAJA T

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course **20CEVC401 Underground Space Technology**. The duration of the Course is 30hours

(21/02/2022 to 25/02/2022) .

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

Course Incharge

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

HoD

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

Principal



PAAVAIENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

RANJITH P

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course **20CEVC401 Underground Space Technology**. The duration of the Course is 30hours

(21/02/2022 to 25/02/2022).

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

Course Incharge

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

HoD

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

Principal



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Department of Civil Engineering

CERTIFICATE

This is to certify that

SOUNDHARYA A

of Paavai Engineering College, studying in **Second year** has successfully completed the Value added Course **20CEVC401 Underground Space Technology**. The duration of the Course is 30hours

(21/02/2022 to 25/02/2022) .

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

Course Incharge

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

21CEVC501 – BUILDING MODELING USING SKETCH UP SOFTWARE



This Course deals with *The SketchUp* software, which is a premier 3D design *software* that truly makes 3D *modeling* for everyone, *with* a simple to learn yet robust toolset that empowers you to create.

Sketchup is a great tool for creating a floor plan, especially if you are just looking to calculate the area of the floor. But before you open up Sketchup, you're going to want to go and measure the room. Take as many measurements as possible.

Date:

Venue:

Course Co-ordinator:

1. Ms.S.Gayathri
2. Mrs.A.Dharani

COURSE OBJECTIVES**To enable the students to**

- learn how to represent an Interior Design concept in a 3-dimensional visual computer environment.
- Clear idea about the basic drawing tools used in SketchUp
- make use of the tools to draft and build a 3D conceptual model.

Module I

The SketchUp Modeling Environment - Using the Interface – The Drafting Tools - Creating 3-dimensional Geometry.

Module II

Modeling Furniture, Cabinetry, and Accessories - Using the Trimble 3D Warehouse - Drafting and Modeling a Floor Plan.

Module II

Adding Color and Textures – Photo-Matching and Presenting the Model.

TOTAL PERIODS: 30

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

- know about an Interior Design concept in a 3-dimensional visual computer environment.
- Make over the idea about the basic drawing tools used in SketchUp
- Use the tools to draft and build a 3D conceptual model.

TEXT BOOKS:

1. Alex Schreyer, “Architectural Design with SketchUp: 3D Modeling, Extensions, BIM, Rendering, Making, and Scripting” (2nd Edition)
2. Marcus Ritland, “3D Printing and SketchUP”.

REFERENCES:

1. Robert Lang, “Building Blocks of SketchUp”.
2. Paul Lee, “Construction Documents using SketchUp Pro and LayOut”.



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF CIVIL ENGINEERING

DATE: 26.07.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on **"21CEVC501 – BUILDING MODELLING USING SKETCH UP SOFTWARE"** for Third semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their names to the course Incharge Ms.S.Gayathri, AP/Civil on or before 01.08.2021.

Course Incharge:

1. Ms.S.Gayathri, AP/Civil
2. Mrs.A.Dharani, AP/Civil

HOD/Civil

Copy to:

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III/V

Name of the course : 21CEVC501 - Building Modeling using SketchUp Software

S:No	Register Number	Student Name	02/08/21	03/08/21	04/08/21	05/08/21	06/08/21
1	19103002	CARMAL MARY JOY	/	/	/	/	/
2	19103004	IGNASHIOUS PINTO.A	/	/	/	/	/
3	19103005	KRISHNAN.V.K	AB	AB	AB	AB	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	/	/	/	/	/
13	19103020	SUGAPRIYA.C	/	/	/	/	/
14	19103021	SURENDHAR.S	/	/	/	/	/
15	19103022	SURESH.K	/	/	/	/	/
16	19103023	SURYA.R	/	/	/	/	/
17	19103024	THANGA PANDI.S	AB	AB	AB	/	/
18	19103025	UDHAYAKUMARAN.S	/	/	/	/	/
19	19103027	VEERESWARAN.S	/	/	/	/	/
20	19103301	ANTO ANGEL JEBES .G	AB	AB	AB	AB	AB
21	19103302	ARULKUMAR .B	/	/	/	/	/
22	19103303	DURGADEVI.D	/	/	/	/	/
23	19103304	LAKSHMANAN.M	/	/	/	/	/
24	19103305	RAMAN.M	/	/	/	AB	/
25	19103306	SEKAR.S	AB	AB	AB	AB	AB

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


HoD-Civil

Course Incharge

1. Ms.S.Gayathri, AP/Civil



2. Mrs.A.Dharani, 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 **Third year** has successfully completed the Value added Course 21CEVC501 Building Modelling using Sketch Up Software. The duration of the Course is 30hours. (**02/08/2021 to 06/08/2021**) .

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 'A. Binilash', written above a horizontal line.

HoD

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

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Civil Engineering

CERTIFICATE

This is to certify that

IGNASHIOUS PINTO A

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 21CEVC501 Building Modelling using Sketch Up Software. The duration of the Course is 30hours. (**02/08/2021 to 06/08/2021**) .

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Course Incharge

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HoD

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Principal



PAAVAI ENGINEERING COLLEGE

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Department of Civil Engineering

CERTIFICATE

This is to certify that

MUKILARASU M

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 21CEVC501 Building Modelling using Sketch Up Software. The duration of the Course is 30hours. (**02/08/2021 to 06/08/2021**) .

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

Course Incharge

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HoD

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Principal



PAAVAI ENGINEERING COLLEGE

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Department of Civil Engineering

CERTIFICATE

This is to certify that

NIMAL RAJ P

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 21CEVC501 Building Modelling using Sketch Up Software. The duration of the Course is 30hours. (**02/08/2021 to 06/08/2021**) .

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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 G

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 21CEVC501 Building Modelling using Sketch Up Software. The duration of the Course is 30hours. (**02/08/2021 to 06/08/2021**) .

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 'A. Binilash', written above a horizontal line.

HoD

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

PRADEEP R

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course 21CEVC501 Building Modelling using Sketch Up Software. The duration of the Course is 30hours. (**02/08/2021 to 06/08/2021**) .

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 'A. Binilash', written above a horizontal line.

HoD

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

Principal



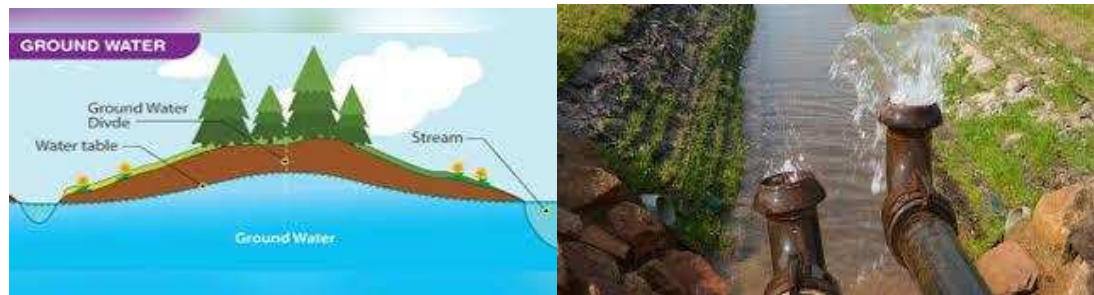
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF CIVIL ENGINEERING

COURSE NAME:

❖ AVAILABILITY AND MANAGEMENT OF GROUND WATER RESOURCES



- ❖ This course influences human health, ecology and economic development. Almost all activities such as domestic, agriculture and industrial demand we use water. Although water in nature is the most important and abundant compound but less than 1% of world water resources is available for our use.
- ❖ Though the world has achieved tremendous progress in all fields of science and technology but adequate and safe drinking water is still a distance dream for many people. This is due to the uneven distribution of water. Hence, there is a need to find out the availability and management of the water resources of our country with natural perspective.

Date of conduction: 21.02.2022 to 25.02.2022

Course Incharges:

1. Mrs.B.Kiruthika AP/Civil
2. Mrs.S.Rajeswari AP/Civil

21CEVC601 AVAILABILITY AND MANAGEMENT OF GROUND WATER RESOURCES

COURSE OBJECTIVES:

To enable the students to

- understand the need for conservation of groundwater resources
- gain knowledge on laws related to groundwater movements
- learn the details of planning and management of ground water resources

Module 1:

Introduction of hydrological cycle, need for conservation of groundwater resources, Geologic formations as aquifers, Vadose and saturated zones, Confined and unconfined aquifers and their parameters, Porosity, permeability, transmissivity and storage coefficient.

Module 2:

Law of groundwater movement, Darcy's law and applications, Estimation of Subsurface runoff, Types of wells, Well Hydraulics, Measurement of rainfall, Index of wetness, Infiltration rate, Estimation of Total Annual Replenishable Natural Groundwater Recharge.

Module 3:

Groundwater resources planning and management, Rainwater Harvesting and Artificial groundwater recharge and Impact of climate change on water resources.

TOTAL PERIODS: 30

COURSE OUTCOMES:

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

- Know the concept of conservation of water resources
- Elaborate the process of ground water movements
- Describe the details of planning and management of ground water resources

TEXT BOOK:

1. S.K. Garg, "Hydrology and Water Resources Engineering" Khanna Publishers, 2015.

REFERENCE BOOK:

1. Parbin Singh, "Textbook of Engineering & General Geology", Kataria, S. K., & Sons 2008.



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL**

DEPARTMENT OF CIVIL ENGINEERING

DATE: 17.02.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on “**21CEVC601 – AVAILABILITY AND MANAGEMENT OF GROUND WATER RESOURCES**” for Sixth semester students from 21.02.2022 to 25.02.2022. The interested students are asked to enroll their names to the course Incharge Mrs.B.Kiruthika, AP/Civil on or before 19.02.2022.

Course Incharge: 1. Mrs.B.Kiruthika, AP/Civil
 2. Mrs.B.Rajeswari, AP/Civil

HOD/Civil

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III/VI

Name of the course : 21CEVC601 - Availability and Management of Ground Water Resources

S.No	Register Number	Student Name	21/2/22	22/2/22	23/2/22	24/2/22	25/2/22
1	19103002	CARMAL MARY JOY	/	/	/	/	/
2	19103004	IGNASHIOUS PINTO.A	/	/	/	/	/
3	19103006	MANOSRI.V	/	/	/	/	/
4	19103007	MUKILARASU.M	/	/	/	/	/
5	19103009	NIMAL RAJ.P	/	/	/	/	/
6	19103010	PRADEEPKUMAR.K	/	/	/	/	/
7	19103011	PRADEEP.R	/	/	/	/	/
8	19103012	PRAVEEN KUMAR.G	/	/	/	/	/
9	19103013	PRIYADARSHINI.C	/	/	/	/	/
10	19103014	PRIYAHARUN.M	/	/	/	/	/
11	19103015	RAMPRASATH.V	/	/	/	/	/
12	19103020	SUGAPRIYA.C	/	/	/	/	/
13	19103021	SURENDHAR.S	/	/	/	/	/
14	19103022	SURESH.K	/	/	/	/	/
15	19103023	SURYA.R	/	/	/	/	/
16	19103024	THANGA PANDI.S	/	/	/	/	/
17	19103025	UDHAYAKUMARAN.S	/	/	/	/	/
18	19103027	VEERESWARAN.S	/	/	/	/	/
19	19103301	ANTO ANGEL JEBES .G	/	/	/	/	/
20	19103302	ARULKUMAR .B	AB	AB	AB	AB	AB
21	19103303	DURGADEVI.D	/	/	/	/	/
22	19103304	LAKSHMANAN.M	/	/	/	/	/
23	19103305	RAMAN.M	/	/	/	/	/
24	19103307	SHOWBHAKIYAWATHY.A.C	/	/	/	/	/

25	19103308	VASANTHA KUMAR .S	/	/	/	/	/
26	19103309	ATCHAYA .G	/	/	/	/	/
27	19103310	JAIHINTH.R	/	/	/	/	/
28	19103311	SOWMIYA.G	/	/	/	/	/

Course Incharge

1. Mrs.B.Kiruthika, AP/Civil
2. Mrs.B.Rajeswari, AP/Civil

B. Kiruthika
Rajeswari

[Signature]
HoD-Civil



PAAVAIENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

PRADEEP R

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course **20CEVC601 Availability and Management of Ground Water Resources**. The duration of the Course is 30hours (**21/02/2022 to 25/02/2022**).

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

Course Incharge

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

HoD

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

Principal



PAAVAIENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

PRIYAHARUN M

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course **20CEVC601 Availability and Management of Ground Water Resources**. The duration of the Course is 30hours (**21/02/2022 to 25/02/2022**).

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

Course Incharge

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

HoD

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

Principal



PAAVAIENGINEERING COLLEGE

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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 **Third year** has successfully completed the Value added Course **20CEVC601 Availability and Management of Ground Water Resources**. The duration of the Course is 30hours (**21/02/2022 to 25/02/2022**).

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

Course Incharge

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

HoD

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

Principal



PAAVAIENGINEERING COLLEGE

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

ARULKUMAR B

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course **20CEVC601 Availability and Management of Ground Water Resources**. The duration of the Course is 30hours (**21/02/2022 to 25/02/2022**).

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

Course Incharge

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HoD

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

Principal



PAAVAIENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

RAMAN M

of Paavai Engineering College, studying in **Third year** has successfully completed the Value added Course **20CEVC601 Availability and Management of Ground Water Resources**. The duration of the Course is 30hours (**21/02/2022 to 25/02/2022**).

A handwritten signature in blue ink, appearing to read 'B. K. R.', is written above a horizontal line.

Course Incharge

A handwritten signature in black ink, appearing to read 'A. Binias', is written above a horizontal line.

HoD

A handwritten signature in green ink, appearing to read 'P.', is written above a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

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

Value Added Course

21CEVC701 – BUILDING ANALYSIS AND DESIGN USING E-TABS



This ETABS Course offers a single user interface to perform modeling, analysis, design, and reporting. There is no limit to the number of model windows, model manipulation views, and data views.

ETABS allows user for Graphic input and modification for the sake of easy and quick model creation for any type of structure. 2. Creation of 3D model with the utilization of plan views and elevations, 3D model of any kind of complex structure can be created easily.

Date: 01.02.2021 to 05.02.2021

Venue:

Course Co-ordinator:

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

COURSE OBJECTIVES**To enable the students to**

- develop knowledge on Overview of ETABS.
- gain knowledge on Modeling in ETABS Concrete Buildings.
- get a basic idea on Editing Properties.

Module I

Overview of ETABS - History and Advantages, An Integrated Approach, Modeling Features, Analysis Features and Design Features, Detailing Features.

Module II

Modeling in ETABS Concrete Building Example, Begin a New Model, Select the Base Units and Design Codes, Set up Grid Lines, Draw Grids, Define and edit Story Levels, Draw Dimension Lines, Draw Joint Objects, Save the Model.

Module II

Editing Properties Replicate, Extrude Joints to Frames, Extrude Frame to Shells, Merge Joints Align, Joints/Frames/Edges Move, Joints/Frames/Shells and Edit Frames, Edit Shells, Edit the Model Geometry, View the Model.

TOTAL PERIODS: 30

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

- know the Overview of ETABS.
- make Modeling in ETABS Concrete Buildings.
- Gain basic idea on Editing Properties.

TEXT BOOKS:

1. ETABS CSI Tutorial PDF's.

REFERENCES:

1. Gaurav Varma, "ETABS 2016 Black Book".



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF CIVIL ENGINEERING

DATE: 26.07.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on “**21CEVC701 – BUILDING ANALYSIS AND DESIGN USING E-TABS**” for Third semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their names to the course Incharge Mrs.S.Rajeswari, AP/Civil on or before 01.08.2021.

Course Incharge:

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

HOD/Civil

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2021-2022

VALUE ADDED COURSE

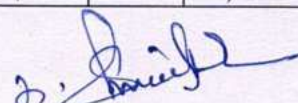
ATTENDANCE SHEET

Year/Semester : IV/VII

Name of the course : 21CEVC701 Building Analysis and Design using E-Tabs

S:No	Register Number	Student Name	2/8/21	3/8/21	4/8/21	5/8/21	6/8/21
1	18103001	AAKASH.S	/	/	/	/	/
2	18103002	AKASH KUMAR.A	/	/	/	/	/
3	18103003	ARAVINTH.E	/	/	/	/	/
4	18103005	BALAKHARTHIKEYAN.B	/	/	AB	/	/
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	/	/	/	/	/
11	18103012	GOKUL.S	/	/	/	/	/
12	18103015	JAI SANKAR.T	/	/	/	/	/
13	18103016	KANNADHASAN.K	/	/	/	/	/
14	18103017	KARAN.K	/	/	/	/	/
15	18103019	KISHOR.S	/	/	/	/	/
16	18103020	MAHALAKSHMI.M	/	/	/	/	/
17	18103021	MANIKANDAN.M	/	/	/	/	/
18	18103022	NAVEEN KUMAR.V	/	/	/	/	/
19	18103023	NETHESH.N	/	/	/	/	AB
20	18103024	PRADEEPAN.V	/	/	/	/	/
21	18103025	RAHUL.G	/	/	/	/	/
22	18103026	RAMALINGAM.D	/	AB	/	/	/
23	18103027	SARATHBABU.N	/	/	/	/	/
24	18103028	SELVAPRABHU.P	/	/	/	/	/
25	18103029	SELVAPRAKASH.R	/	/	/	/	/

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


HoD-Civil

Course Incharges

1. Mrs.S.Rajeswari, AP/Civil



2.Mr.S.Suryaprakash, AP/Civil



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

ARAVINTH E

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 21CEVC701 Building analysis and design using E-Tabs. The duration of the Course is 30hours
.(**02/08/2021 to 06/08/2021**) .

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

Course Incharge

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

HoD

A handwritten signature in blue 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 Civil Engineering

CERTIFICATE

This is to certify that

BALAKARTHIKEYAN B

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 21CEVC701 Building analysis and design using E-Tabs. The duration of the Course is 30hours
.(**02/08/2021 to 06/08/2021**) .

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

Course Incharge

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

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

BALAYOKESHWARAN B

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 21CEVC701 Building analysis and design using E-Tabs. The duration of the Course is 30hours
.(**02/08/2021 to 06/08/2021**) .

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

Course Incharge

A handwritten signature in blue ink, appearing to be 'A. Srinivas', 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 Civil Engineering

CERTIFICATE

This is to certify that

DHANALAKSHMI M

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 21CEVC701 Building analysis and design using E-Tabs. The duration of the Course is 30hours
.(**02/08/2021 to 06/08/2021**) .

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 'A. Srinivas', 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 Civil Engineering

CERTIFICATE

This is to certify that

DHARSHINI S

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added Course 21CEVC701 Building analysis and design using E-Tabs. The duration of the Course is 30hours
.(**02/08/2021 to 06/08/2021**) .

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

Course Incharge

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

HoD

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

Principal



PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL - 637 018

DEPARTMENT OF CIVIL ENGINEERING

COURSE NAME:

❖ PROJECT PLANNING AND CONTROL



- ❖ This course basic concepts in Project Planning and Control with a focus on construction projects. The course is relevant to Civil Engineering senior level undergraduate as well as post-graduate students in the area of construction management. Practising engineers who are part of the planning team on construction projects will also benefit from the concepts covered in the course.
- ❖ Project planning is a discipline addressing how to complete a project in a certain timeframe, usually with defined stages and designated resources. One view of project planning divides the activity into these steps: setting measurable objectives, identifying deliverables, scheduling and planning tasks

Date of Conduction: 21.02.2022 to 25.02.2022

Course Incharges:

1. Prof.K.Sharmiladevi, HoD / Civil
2. P.Vignesh, AP/Civil

COURSE OBJECTIVES:

To enable the students to

- understand the basic needs of construction project management
- gain knowledge on Network representation and analysis
- learn the details of PDM and PERT

Module 1:

Introduction, Course Context, Construction Project Management, Time Management, Work Breakdown Structure (WBS), Gantt Charts, Duration Estimation.

Module 2:

Network Representation & Analysis -1 Network Representation & Analysis -2; Two-Span Bridge: Scheduling, Network Analysis and Application.

Module 3:

Time-Cost Trade-o (Crashing) Resource Scheduling Precedence Diagramming Method (PDM), Project Monitoring & Control Project Monitoring & Control (Earned Value Concepts), Uncertainty in Project Schedules (PERT), Course Summary

TOTAL PERIODS: 30

COURSE OUTCOMES:

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

- Know the needs of construction project management.
- Interpret the Network representation and analysis.
- Describe the details of PDM and PERT.

TEXT BOOK:

1. Albert Lester “Project Management Planning and Control,” Butterworth-Heinemann 2017

REFERENCE BOOK:

1. Dr. B.C. Punmia& K. K. Khandelwal, “Project Planning and Control with PERT & CPM,” 2002.



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

DATE: 17.02.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on “**21CEVC801 – PROJECT PLANNING AND CONTROL**” for Eight semester students from 21.02.2022 to 25.02.2022. The interested students are asked to enroll their names to the course Incharge Mr.P.Vignesh, AP/Civil on or before 19.02.2022.

Course Incharge: 1. Prof.K.Sharmiladevi HoD / Civil
2. Mr. P.Vignesh AP/Civil



HOD/Civil

Copy to:
Notice board.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV/VIII

Name of the course : 21CEVC801 - Project Planning and Control

S.No	Register Number	Student Name	21.02.22	22.02.22	23.02.22	24.02.22	25.02.22
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	/	/	/	/	/
10	18103011	DINESH.R	/	/	/	/	/
11	18103012	GOKUL.S	/	/	/	/	/
12	18103015	JAI SANKAR.T	/	/	/	/	/
13	18103016	KANNADHASAN.K	/	/	/	/	/
14	18103017	KARAN.K	/	/	/	/	/
15	18103019	KISHOR.S	/	/	/	/	/
16	18103020	MAHALAKSHMI.M	/	/	/	/	/
17	18103021	MANIKANDAN.M	/	/	/	/	/
18	18103022	NAVEEN KUMAR.V	/	/	/	/	/
19	18103023	NETHESH.N	/	/	/	/	/
20	18103024	PRADEEPAN.V	/	/	/	/	/
21	18103025	RAHUL.G	/	/	/	/	/
22	18103026	RAMALINGAM.D	/	/	/	/	/
23	18103027	SARATHBABU.N	/	/	/	/	/
24	18103028	SELVAPRABHU.P	/	/	/	/	/
25	18103029	SELVAPRAKASH.R	/	/	/	/	/

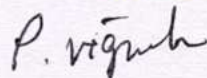
26	18103030	SOUNDHAR.V	/	/	/	/	/
27	18103031	SRI RAJA KUMARAN R	/	/	/	/	/
28	18103032	SUGANESH.G	/	/	/	/	/
29	18103033	SURIYA.A	/	/	/	/	/
30	18103034	SUSHMAA.S.U	/	/	/	/	/
31	18103035	THOWFEEKHAN.A	/	/	/	/	/
32	18103036	VALARMATHI.R	/	/	/	/	/
33	18103037	VASANTH KUMAR .P	/	/	/	/	/
34	18103302	DEVI.K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

Course Incharges

1. Prof.K.Sharmiladevi HoD / Civil

2. Mr. P.Vignesh AP/Civil


HoD-Civil





PAAVAIENGINEERING 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 **Final year** has successfully completed the Value added

Course **20CEVC801 Project Planning and Control**. The duration of the Course is 30hours

(21/02/2022 to 25/02/2022).

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

Course Incharge

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

HoD

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

Principal



PAAVAIENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

DINESH R

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added

Course **20CEVC801 Project Planning and Control**. The duration of the Course is 30hours

(21/02/2022 to 25/02/2022).

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Course Incharge

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HoD

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Principal



PAAVAIENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

RAHUL G

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added

Course **20CEVC801 Project Planning and Control**. The duration of the Course is 30hours

(21/02/2022 to 25/02/2022).

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

Course Incharge

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HoD

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Principal



PAAVAIENGINEERING COLLEGE

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

SELVAPRABHU P

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added

Course **20CEVC801 Project Planning and Control**. The duration of the Course is 30hours

(21/02/2022 to 25/02/2022).

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

Course Incharge

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HoD

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Principal



PAAVAIENGINEERING COLLEGE

(Autonomous)

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

Department of Civil Engineering

CERTIFICATE

This is to certify that

SURIYA A

of Paavai Engineering College, studying in **Final year** has successfully completed the Value added

Course **20CEVC801 Project Planning and Control**. The duration of the Course is 30hours

(21/02/2022 to 25/02/2022).

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

Course Incharge

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HoD

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

Principal



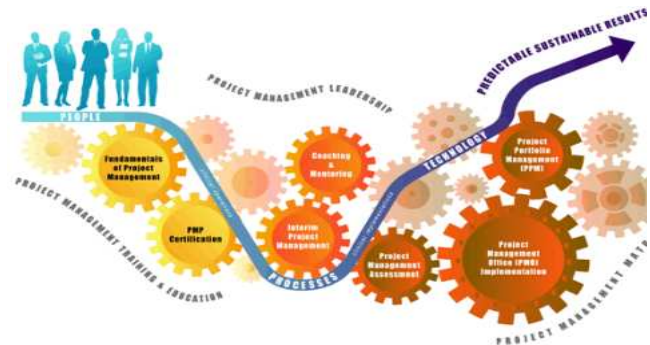
**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL – 637 018

DEPARTMENT OF CIVIL ENGINEERING

Value Added Course

21PSEVC101 – SCHEDULING TECHNIQUES IN PROJECT



Scheduling Techniques in project describes about Master project schedule: A master schedule tends to be a simplified list of tasks with a timeline or project calendar. Milestone schedule or summary schedule: This type of schedule tracks major milestones and key deliverables, but not every task required to complete the project.

Project scheduling is just as important as cost budgeting as it determines the timeline, resources needed, and reality of the delivery of the project. Project managers that have experience are better able to properly dictate the tasks, effort and money required to complete a project.

Date: 01.02.2021 to 05.02.2021

Venue:

Course Co-ordinator:

1. Mr.M.Rajkannan

21PSEVC101 SCHEDULING TECHNIQUES IN PROJECT

COURSE OBJECTIVES

To enable the students to

- gain basic knowledge on Introduction to scheduling
- adopt PDM and BDM network analysis
- develop knowledge on scheduling techniques in projects.

Module I

Introduction to scheduling Network analysis in CPM (Critical Path Method)

Module II

PDM (Precedence Diagramming Method) analysis for overlap in activities - BDM (Beeline Diagramming Method) network analysis for interdependent activities DSM

Module II

Evaluating / Estimating interdependent activities - Other scheduling techniques in projects.

TOTAL PERIODS: 30

COURSE OBJECTIVES

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

- know the CPM (Critical Path Method)
- analysis for overlap in activities
- evaluate the interdependent activities

TEXT BOOKS:

1. Baldwin & D. Bordoli, A Handbook for Construction planning and scheduling, Wiley publications, 2014
2. S. Mubarak, Construction Project Scheduling and Control, John Wiley publications, 2010

REFERENCES:

1. E. M. Willis, Scheduling Construction Projects, John Wiley publications, 1986
2. S. D. Eppinger & T.R. Browning, Design Structure Matrix Methods and Applications, MIT Press, 2012.



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF STRUCTURAL ENGINEERING

DATE: 26.07.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on **"21PSEVC101 – SCHEDULING TECHNIQUES IN PROJECT"** for First semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their names to the course Incharge Mr.M.Rajkannan, AP/Civil on or before 01.08.2021.

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


HOD/Civil

Copy to:
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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : I/I

Name of the course : 21PSEVC101 Scheduling Techniques in Project

S:No	Register Number	Student Name	2/8/21	3/8/21	4/8/21	5/8/21	6/8/21
1	622121307001	KAVINKUMAR P	/	/	/	/	/
2	622121307002	MANOJPRABU C	/	/	/	/	/
3	622121307003	MANORANJAN P	/	/	/	/	/
4	622121307004	NAVEEN KUMAR M	/	/	/	/	/
5	622121307005	NITHISH N	/	/	/	/	/
6	622121307006	NIVEDHA SREE A	/	/	/	/	/
7	622121307007	PRAVEENKUMAR. C	/	/	/	/	/
8	622121307008	PRIYANKA A	/	/	/	/	/
9	622121307009	RANJITHKUMAR C	AB	AB	AB	AB	AB
10	622121307010	SENTHAMIL SELVAN P	/	/	/	/	/
11	622121307011	SHRUDHI A	/	/	/	/	/
12	622121307012	SIVA BALAJI K R	/	/	/	/	/
13	622121307013	SURJITH S	AB	AB	AB	AB	AB
14	622121307014	SURYA G	/	/	/	/	/
15	622121307015	UTHAYAKUMAR G	/	/	/	/	/
16	622121307016	VISHNU A	AB	AB	AB	/	/
17	622121307018	YOGAVIDHYA V	/	/	/	/	/
18	622121307019	AKILAN M	/	/	/	AB	/



Course Incharge

1.Mr.M.Rajkannan, 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

KAVINKUMAR P

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 21PSEVC101 Scheduling Techniques in Project. The duration of the Course is 30hours (**02/08/2021 to 06/08/2021**) .

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

Course Incharge

A handwritten signature in blue ink, appearing to read 'A. Bimala', 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

MANOJPRABU C

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 21PSEVC101 Scheduling Techniques in Project. The duration of the Course is 30hours (**02/08/2021 to 06/08/2021**) .

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

Course Incharge

A handwritten signature in blue ink, appearing to read 'A. Srinivas', 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

MANORANJAN P

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 21PSEVC101 Scheduling Techniques in Project. The duration of the Course is 30hours (**02/08/2021 to 06/08/2021**) .

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

Course Incharge

A handwritten signature in blue ink, appearing to read 'A. Bimala', 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

NAVEEN KUMAR M

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 21PSEVC101 Scheduling Techniques in Project. The duration of the Course is 30hours (**02/08/2021 to 06/08/2021**) .

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

Course Incharge

A handwritten signature in blue ink, appearing to read 'A. Binu', 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

NITHISH N

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 21PSEVC101 Scheduling Techniques in Project. The duration of the Course is 30hours (**02/08/2021 to 06/08/2021**) .

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

Course Incharge

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

HoD

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Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Structural Engineering

CERTIFICATE

This is to certify that

NIVEDHA SREE A

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course 21PSEVC101 Scheduling Techniques in Project. The duration of the Course is 30hours (**02/08/2021 to 06/08/2021**) .

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

Course Incharge

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

HoD

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

Principal



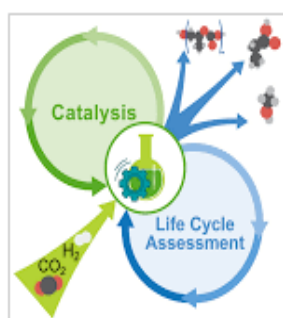
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF STRUCTURAL ENGINEERING

COURSE NAME:

❖ SUSTAINABLE ENERGY CONCEPTS AND LIFE CYCLE ANALYSIS



- ❖ This Course deals with the fundamental concepts related to interaction of industrial and environmental/ecological systems, sustainability challenges facing the current generation, and systems-based approaches required to create sustainable solutions for society. Students will understand the concepts and the scientific method as it applies to a systems-based, trans-disciplinary approach to sustainability, and will be prepared to identify problems in sustainability and formulate appropriate solutions based on scientific research, applied science, social and economic issues.
- ❖ The course gives knowledge on the concepts and the scientific method as it applies to a systems-based, trans-disciplinary approach to sustainability, and will be prepared to identify problems in sustainability and formulate appropriate solutions based on scientific research, applied science, social and economic issues.

Date of conduction: 18.03.2022 to 22.03.2022

Course Incharges:

1. Mrs.B.Karthiga, AP/Civil
2. Mr.S.Satheeshkumar AP/Civil

21PSEVC201 SUSTAINABLE ENGINEERING CONCEPTS AND LIFE CYCLE ANALYSIS

COURSE OBJECTIVES:

To enable the students to

- understand the sustainability concepts and Life Cycle Analysis
- gain knowledge on Life Cycle Assessment
- learn the Design for Sustainability

Module 1:

An Introduction to Sustainability Concepts and Life Cycle Analysis (Introduction, Material flow and waste management, what it all means for an engineer? Water energy and food nexus). Risk and Life Cycle Framework for Sustainability (Introduction, Risk, Environmental Risk Assessment, Example Chemicals and Health Effects, Character of Environmental Problems). Environmental Data Collection and LCA Methodology (Environmental Data Collection Issues, Statistical Analysis of Environmental Data, Common Analytical Instruments, Overview of LCA Methodology - Goal Definition, Life Cycle Inventory, Life Cycle Impact Assessment, Life Cycle Interpretation, LCA Software tools)

Module 2:

Life Cycle Assessment – Detailed Methodology and ISO Framework (Detailed Example on LCA Comparisons, LCA Benefits and Drawbacks, Historical Development and LCA Steps from ISO Framework) Life Cycle Inventory and Impact Assessments (Unit Processes and System Boundary Data Quality, Procedure for Life Cycle Impact Assessment, LCIA in Practice with Examples, Interpretation of LCIA Results). Factors for Good LCA Study (ISO Terminologies, LCA Steps Recap, Chemical Release and Fate and Transport, and Green Sustainable Materials)

Module 3:

Design for Sustainability (Environmental Design for Sustainability: Economic, Environmental Indicators, Social Performance Indicators, Sustainable Engineering Design Principles and Environmental Cost Analysis). Case Studies (e.g., Odour Removal for Organics Treatment Plant, Comparison of Hand Drying Methods, Biofuels for Transportation, Kerosene Lamp vs. Solar Lamp, Bioplastic etc.).

TOTAL PERIODS: 30

COURSE OUTCOMES:

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

- Know the understand the sustainability concepts and Life Cycle Analysis
- Explain about Life Cycle Assessment
- Design the sustainability

TEXT BOOK:

1. Bhavik R. Bakshi, "Sustainable Engineering: Principles and Practice" PHI Learning Pvt. Ltd 2019.

REFERENCE BOOK:

1. David Allen and David R. Shonnard, "Sustainable Engineering Concepts, Design and Case Studies" Pearson Edition 2011.



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL**

DEPARTMENT OF STRUCTURAL ENGINEERING

DATE: 16.03.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on “**21PSEVC201 – SUSTAINABLE ENGINEERING CONCEPTS AND LIFE CYCLE ANALYSIS**” for second semester students from 18.03.2022 to 22.03.2022. The interested students are asked to enroll their names to the course Incharge Mrs.B.Karthiga, AP/Civil on or before 17.03.2022.

Course Incharge: 1. Mrs.B.Karthiga, AP/Civil
2. Mr.S.Satheeshkumar AP/Civil


HOD/Civil

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF STRUCTURAL ENGINEERING

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : I/II

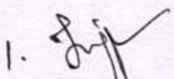
Name of the course : 21PSEVC201 - Sustainable Engineering Concepts and Life Cycle Analysis

S:No	Register Number	Student Name	18/3/22	19/3/22	20/3/22	21/3/22	22/3/22
1	622121307001	KAVINKUMAR P	/	/	/	/	/
2	622121307002	MANOJPRABU C	/	/	/	/	/
3	622121307003	MANORANJAN P	/	/	/	/	/
4	622121307004	NAVEEN KUMAR M	/	/	/	/	/
5	622121307005	NITHISH N	/	/	/	/	/
6	622121307006	NIVEDHA SREE A	/	/	/	/	/
7	622121307007	PRAVEENKUMAR. C	/	/	/	/	/
8	622121307008	PRIYANKA A	/	/	/	/	/
9	622121307010	SENTHAMIL SELVAN P	/	/	/	/	/
10	622121307011	SHRUDHI A	/	/	/	/	/
11	622121307012	SIVA BALAJI K R	/	/	/	/	/
12	622121307014	SURYA G	/	/	/	/	/
13	622121307015	UTHAYAKUMAR G	/	/	/	/	/
14	622121307018	YOGAVIDHYA V	/	/	/	/	/

Course Incharge

1. Mrs.B.Karthiga, AP/Civil

2. Mr.S.Satheeshkumar AP/Civil

1. 

2. 



HoD-Civil



PAAVAIENGINEERING COLLEGE

(Autonomous)

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

Department of Structural Engineering

CERTIFICATE

This is to certify that

NIVEDHA SREE A

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course **20PSEVC201 Sustainable Engineering Concepts and Life Cycle Analysis**. The duration of the Course is 30hours (**18/03/2022 to 22/03/2022**).

A handwritten signature in purple ink, appearing to be 'S. Jeyaraj', is written over a light yellow rectangular background.

Course Incharge

A handwritten signature in black ink, appearing to be 'A. Binilash', is written over a light grey rectangular background.

HoD

A handwritten signature in blue ink, appearing to be 'P. S. Srinivasan', is written over a light yellow rectangular background.

Principal



PAAVAIENGINEERING COLLEGE

(Autonomous)

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

Department of Structural Engineering

CERTIFICATE

This is to certify that

PRIYANKA A

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course **20PSEVC201 Sustainable Engineering Concepts and Life Cycle Analysis**. The duration of the Course is 30hours (**18/03/2022 to 22/03/2022**).

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Course Incharge

A black ink signature, likely belonging to the Head of Department (HoD), written over a light grey rectangular background.

HoD

A blue ink signature, likely belonging to the Principal, written over a white rectangular background.

Principal



PAAVAIENGINEERING COLLEGE

(Autonomous)

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

Department of Structural Engineering

CERTIFICATE

This is to certify that

SENTHAMIL SELVAN P

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course **20PSEVC201 Sustainable Engineering Concepts and Life Cycle Analysis**. The duration of the Course is 30hours **(18/03/2022 to 22/03/2022)**.

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Course Incharge

A handwritten signature in black ink, appearing to be 'A. Binlar', is written over a light grey rectangular background.

HoD

A handwritten signature in blue ink, appearing to be 'P. Senthil', is written over a light yellow rectangular background.

Principal



PAAVAIENGINEERING COLLEGE

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

Department of Structural Engineering

CERTIFICATE

This is to certify that

SURYA G

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course **20PSEVC201 Sustainable Engineering Concepts and Life Cycle Analysis**. The duration of the Course is 30hours (**18/03/2022 to 22/03/2022**).

A handwritten signature in purple ink, appearing to be 'S. Jeyaraj', is written over a light yellow rectangular background.

Course Incharge

A handwritten signature in black ink, appearing to be 'A. Binilash', is written over a light grey rectangular background.

HoD

A handwritten signature in blue ink, appearing to be 'P. S. Srinivasan', is written over a light yellow rectangular background.

Principal



PAAVAIENGINEERING COLLEGE

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

Department of Structural Engineering

CERTIFICATE

This is to certify that

YOGA VIDHYA V

of Paavai Engineering College, studying in **First year** has successfully completed the Value added Course **20PSEVC201 Sustainable Engineering Concepts and Life Cycle Analysis**. The duration of the Course is 30hours **(18/03/2022 to 22/03/2022)**.

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Course Incharge

A black ink signature, likely belonging to the Head of Department (HoD), written over a grey rectangular background.

HoD

A blue ink signature, likely belonging to the Principal, written over a white rectangular background.

Principal



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL – 637 018

DEPARTMENT OF CIVIL ENGINEERING

Value Added Course

21PSEVC301 – RIVER ENGINEERING



River engineering is a discipline of civil engineering which studies human intervention in the course, characteristics, or flow of a river with the intention of producing some defined benefit. River engineering attempts to understand fluvial geomorphology, implement a physical alteration, and maintain public safety.

River Engineering application includes Planning and design applications for different river engineering structures to modify the natural river conditions including training works, stabilization, bank revetments, dredging, diversions, cofferdams, channelization, levees and flood control works.

Date: 01.02.2021 to 05.02.2021

Venue:

Course Co-ordinator:

1. Mrs.K.Sharmiladevi

21PSEVC301 RIVER ENGINEERING

COURSE OBJECTIVES

To enable the students to

- develop knowledge on properties of water and sediment
- gain knowledge on River training works
- get a basic idea on River Engineering

Module I

Physical Properties and Equations: Dimensions and units - Properties of water and sediment - River flow kinematics - Conservation of mass - Equations of motion - Hydraulic and energy grade lines

Module II

River Stabilization and River Training Work: Riverbank stability - Riverbank riprap revetment - Riverbank protection - River flow-control structures - River training along braided rivers.

Module II

River Engineering: River flood control - River closure - Canal headworks - Bridge scour - Navigation waterways

TOTAL PERIODS: 30

COURSE OBJECTIVES

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

- know the river flow kinematics
- make the stabilization of river and to follow the river training work
- follow the concept of River Engineering

TEXT BOOKS:

1. River Mechanics, Pierre Y. Julien, Cambridge University Press, 2002.
2. River Engineering, Margaret S Peterson, Prentice Hall, 1986

REFERENCES:

1. River Morphology, R J Garde, New Age International Ltd, 2015
2. Journal of Hydrology (Elsevier), Sediment Research, ASCE Journal of Hydraulic Engineering



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF STRUCTURAL ENGINEERING

DATE: 26.07.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on “**21PSEVC301 – RIVER ENGINEERING**” for Third semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their names to the course Incharge Mrs.K.Sharmiladevi, HOD/Civil on or before 01.08.2021.

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

HOD/Civil

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/III

Name of the course : 21PSEVC301 River Engineering

S:No	Register Number	Student Name	21/8/21	31/8/21	4/9/21	5/9/21	6/9/21
1	20307001	LOGESHWARI.D	/	/	/	/	/
2	20307002	MURALI.M	/	/	/	/	/
3	20307003	ROMEO M REJI.	AB	/	/	/	/



Course Incharge

1. Mrs.K.Sharmiladevi, HoD/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 **Second year** has successfully completed the Value added Course 21PSEVC301 River Engineering. The duration of the Course is 30hours
(**02/08/2021 to 06/08/2021**) .

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Course Incharge

A handwritten signature in black ink, appearing to read 'A. Bimala', 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 **Second year** has successfully completed the Value added Course 21PSEVC301 River Engineering. The duration of the Course is 30hours
(**02/08/2021 to 06/08/2021**) .

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

Course Incharge

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

HoD

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

Principal



PAAVAI ENGINEERING COLLEGE

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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 **Second year** has successfully completed the Value added Course 21PSEVC301 River Engineering. The duration of the Course is 30hours
(**02/08/2021 to 06/08/2021**) .

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Course Incharge

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

HoD

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

Principal



PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF STRUCTURAL ENGINEERING

COURSE NAME:

❖ ADMIXTURES AND SPECIAL CONCRETE



- ❖ This course explains how some commonly used special concretes have been developed and how they are used in different conditions. The course seeks to present a unified view of concrete materials, construction methods and construction environment and examine the matter on parameters such as quality control methods.
- ❖ The course deals with increased compressive and tensile strength, water proofing, and improved chemical resistance are achieved with polymers, either as admixtures or surface treatment of hardened concrete. Admixtures for coloring concrete are available in all colors. The oldest and cheapest is perhaps carbon black. Admixtures causing expansion for use in sealing cracks or under machine bases, etc., include powdered aluminum and finely ground iron.

Date of conduction: 21.02.2022 to 25.02.2022

Course Incharges:

1. Dr.J.Prakash Arul Jose, Professor/Civil
2. Mr.M.Rajkannan, AP/Civil

COURSE OBJECTIVES:

To enable the students to

- understand the meaning of special concrete.
- gain knowledge on various types of concrete.
- discuss the usage of different concretes in hydrological areas.

Module 1:

Normal concrete, Normal concrete, Special concretes-Concreting in cold and hot weather.

Module 2:

Self-compacting and fiber reinforced concretes, Basic understanding of high strength concrete, mass concrete and shotcrete, Handling preplaced aggregate concrete and light weight aggregate concrete.

Module 3:

Special topics I: Underwater anti-washout concrete; micro-concrete - Special topics II: Expansive concrete, roller compacted concrete, concrete using recycled aggregate.

TOTAL PERIODS: 30

COURSE OUTCOMES:

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

- Know the basic definition of special concrete.
- Interpret the different types of concrete.
- Describe the usage of different concretes in hydrological zones.

TEXT BOOK:

1. P.J.M. Bartos, "Special Concrete – Workability and Mixing," Proceedings of the International RILEM Workshop 2016.

REFERENCE BOOK:

1. Shetty, M.S., Concrete Technology (Theory and Practice), 7th Edition, S. Chand & Company Ltd., New Delhi, 2013.



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF STRUCTURAL ENGINEERING

DATE: 17.02.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on “**21PSEVC401 – DEVELOPMENT AND APPLICATIONS OF SPECIAL CONCRETE**” for fourth semester students from 21.02.2022 to 25.02.2022. The interested students are asked to enroll their names to the course Incharge Mr.M.Rajkannan, AP/Civil on or before 19.02.2022.

Course Incharge: 1. Mr.M.Rajkannan, AP/Civil
2. Dr.J.Prakash Arul Jose, Professor/Civil



HOD/Civil

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF CIVIL ENGINEERING

Academic Year: 2021-2022

VALUE ADDED COURSE

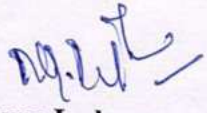
ATTENDANCE SHEET


Year/Semester : II/IV

2

Name of the course : 21PSEVC401 - Admixtures and special concretes

S:No	Register Number	Student Name	21/2/22	22/2/22	23/2/22	24/2/22	25/2/22
1	20307001	LOGESHWARI.D	/	/	/	/	/
2	20307002	MURALI.M	/	/	/	/	/
3	20307003	ROMEO M REJI	AB	AB	AB	AB	AB


Course Incharge


HoD-Civil

1. Mr.M.Rajkannan, AP/Civil
2. Dr.J.Prakash Arul Jose, Professor/Civil



PAAVAIENGINEERING 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 **Second year** has successfully completed the Value added Course **20PSEVC401 Admixtures and special concretes**. The duration of the Course is 30hours
(21/02/2022 to 25/02/2022) .

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Course Incharge

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

HoD

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Principal



PAAVAIENGINEERING 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 **Second year** has successfully completed the Value added Course **20PSEVC401 Admixtures and special concretes**. The duration of the Course is 30hours
(21/02/2022 to 25/02/2022) .

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Course Incharge

A handwritten signature in black ink, appearing to read 'A. Bimala', is written above a horizontal line.

HoD

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Principal

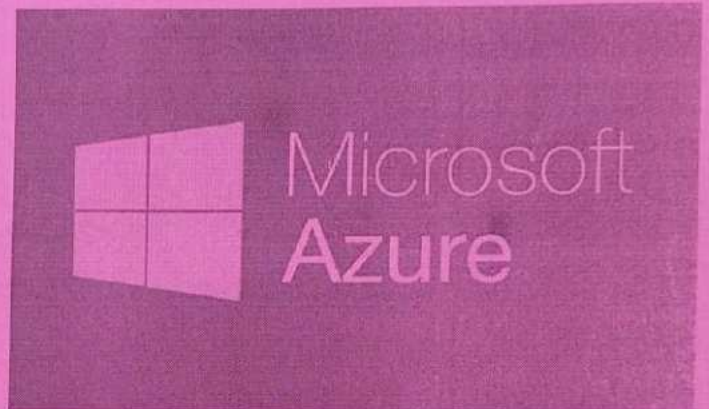
PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MICROSOFT AZURE

Azure is a public cloud computing platform—with solutions including Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) that can be used for services such as analytics, virtual computing, storage, networking, and much more.



It is a huge collection of servers and networking hardware, which runs a complex set of distributed applications. These applications orchestrate the configuration and operation of virtualized hardware and software on those servers.

INTENDED AUDIENCE

- II Year of B.E, B.Tech - Students
- Students able to run complex set of distributed applications in this platform and helps businesses manage challenges and meet their organizational goals.

Date: 23.08.2021 - 27.08.2021

COURSE INCHARGE

Dr.P.Nandhini, AP

COURSE OBJECTIVES

To enable the students to

- Know about the fundamental of cloud computing.
- Critically learn to azure the virtual machines.
- study about the storage of Microsoft azure.
-

UNIT I CLOUD COMPUTING AND MICROSOFT AZURE FUNDAMENTALS

Introduction to Azure-Different segments SaaS, PaaS, and IaaS-Azure Regions and Data Centres-Understanding of Microsoft Azure portal-Introduction to all Azure services-Windows Azure Subscription-Setting Up a Trial Subscription

UNIT II AZURE VIRTUAL MACHINES

Operating System Images Supported-Virtual Machine instances-Azure VM types and Pricing-Types of Provisioning-Virtual Machine management, automation and scripting

UNIT III MICROSOFT AZURE STORAGE

Overview of Microsoft Azure Storage - Storage Account-Storage Account Replication Techniques-Type of Azure Storage Account-Storage Services Blob, Table, queue, File

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- understand about the azure region and data centers.
- learn the system supported virtual machines.
- analyse the storage of blob, tables, queue and files of azure.

TEXTBOOKS

1. J.M.Zurada, —Introduction to artificial neural systems||-Jaico Publication house, Delhi 1994

REFERENCES

1. Lawrence Fussett- Microsoft azure fundamentals, First Edition.



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


DATE: 16.08.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "MICROSOFT AZURE " for Third semester students from 23.08.2021 to 27.08.2021 The interested students are asked to enroll their name to the course coordinator Dr P.Nandhini AP/CSE on or before 21.08.2021.

Course Co-coordinators: 1.R.Loganathan AP/CSE

2. M.Sivaranjani 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 : 21CSVC301 MICROSOFT AZURE

S.NO	REGISTER NUMBER	NAME	23.08.2021	24.08.2021	25.08.2021	26.08.2021	27.08.2021
1	20104001	AFROZ.N	/	/	/	/	/
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	/	/	/	/	/
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	a	1	1	1	1	1
39	20104039	KARTHICK.R	1	1	1	1	1	1
40	20104040	KARTHIK.P	1	1	1	1	1	1
41	20104041	KAVIN.M	1	1	1	1	1	1
42	20104042	KAVINKUMAR.S	1	1	a	1	1	1
43	20104043	KAVINRAJA.S	1	1	1	1	1	1
44	20104044	KEERTHANA.V	1	1	1	1	1	1
45	20104045	KEERTHIVASAN.V	1	1	1	1	1	1
46	20104046	KESAVAN.L	1	1	1	1	1	1
47	20104047	KESHAVARAJSHARMAA. R	1	1	1	1	1	1
48	20104048	KIRUBAKARAN.E	1	1	1	1	1	1
49	20104049	KIRUBHA.M	1	1	1	1	1	1
50	20104050	KISHORE KUMAR. AL	1	1	1	1	1	a
51	20104051	KISHORE NITHIN.N	1	1	1	1	1	1
52	20104052	KRISHNAKUMAR.G	1	1	1	1	1	1
53	20104053	LALITHKUMAR.V	1	1	1	1	1	1
54	20104054	MADESH.R	1	1	1	1	1	1
55	20104055	MAHANANTHAM.N	a	a	a	a	a	a
56	20104056	MAIBALAN.K	1	1	1	1	1	1
57	20104057	MANOJPRABHAKAR.P	1	1	1	1	1	1
58	20104058	MATHAKALA MANEESHA	1	1	1	1	1	a
59	20104059	MEKALA.M	1	1	1	1	1	1
60	20104060	MITHRAN.I.R	1	1	1	1	1	1
61	20104061	MOHANA PRIYA.V	1	1	1	1	1	1
62	20104062	MUGUNDHAN.R	1	1	1	1	1	1
63	20104063	NANDHINI.A	a	1	1	1	1	1
64	20104064	NANDHINI.A	1	1	1	1	1	1
65	20104065	NANDHINI.S	1	1	1	1	1	1
66	20104066	NARAYANASAMY.V.M	1	1	1	1	1	1
67	20104067	NATHISH KUMAR.M	1	1	1	1	1	1
68	20104068	NAVEEN VIJAY.T	1	1	1	1	1	1
69	20104069	NAVIN KRISHNA.S.R	1	1	1	1	1	1
70	20104070	NITHISH KUMAR.N	1	1	1	1	1	1
71	20104071	NITHYASRI.M	1	1	a	1	1	1
72	20104072	PAMIDI PRAHARSHA	1	1	1	1	1	1
73	20104073	PRADEEPPKUMAR.A	1	1	1	1	1	1
74	20104074	PREETHI.S	1	1	1	1	1	1
75	20104075	PRIYANKA.S	1	1	1	1	1	1
76	20104076	PUGAZHENTHI.K	1	1	1	1	1	1
77	20104077	RATHIS.M	1	1	1	1	1	1
78	20104078	ROSHINI.V	1	1	1	a	1	1
79	20104079	RUTHRA. M	1	1	1	1	1	1
80	20104080	SABARINATHAN.C	1	1	1	1	1	1
81	20104081	SAKTHI SRIDHAR.S.B	1	1	1	1	1	1
82	20104082	SAMIDURAI.D	1	1	1	1	1	1
83	20104083	SANJAY BABU.M	1	1	1	1	1	a
84	20104084	SANJAYPRASANTH. T.M	1	1	1	1	1	1
85	20104085	SANTHOSH.S	1	1	1	1	1	1
86	20104086	SANTHOSHKUMAR.C	1	1	1	1	1	1
87	20104087	SARAN.V	a	1	1	1	1	1

88	20104088	SARANYA.S	a	1	1	1	a
89	20104089	SASIREKHA.R	1	1	1	1	1
90	20104090	SETHUPATHI.C	1	1	1	1	1
91	20104091	SHARAVANAN.A.K	1	1	1	1	1
92	20104092	SIMI LAUREN.J	1	1	1	1	1
93	20104093	SOUNDHARAJAN.S	1	1	1	1	1
94	20104094	SOWMYA.K	1	1	1	1	1
95	20104095	SRIKANTH.J	1	1	1	1	1
96	20104096	SRIKANTH.K	a	a	a	a	a
97	20104097	SRIKANTH.S	1	1	1	1	1
98	20104098	SUBA.R	1	1	1	1	1
99	20104099	SUBHIKSHA.G.B	1	1	1	1	1
100	20104100	SUJITH.D	1	1	1	1	1
101	20104101	SURESH.E	1	1	1	1	a
102	20104102	SURIYA. A	1	1	1	1	1
103	20104103	SURYA. R	1	1	1	1	1
104	20104104	SWITHA.R	1	1	1	1	1
105	20104105	UMMADIPOLU LAKSHMI LAHARI	1	1	1	1	1
106	20104106	VAGRASRI S	a	1	1	1	1
107	20104107	VARSHINI .S	1	1	1	1	1
108	20104108	VASANTHAN.B	1	1	1	1	1
109	20104109	VASANTHKUMAR.S	1	1	1	1	1
110	20104110	VASIKARAN.M	1	1	a	1	1
111	20104111	VETRISELVAN.V	1	1	1	1	1
112	20104112	VIGNESHWARAN.K	1	1	1	1	1
113	20104113	VIMALRAJ.S	1	1	1	1	1
114	20104114	VISHWA TEJA.S	1	1	1	1	1
115	20104115	YOGASUNDARAM.K	1	1	1	1	1
116	20104116	YUKESHKUMAR.A	1	1	1	1	a


Course Coordinator


HOD



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

KESHAVARAJSHARMAA. R

of Paavai Engineering College, studying in Second Year has successfully completed the
Value-added Course "Microsoft Azure". The duration of the course is 30 hours
(23/08/2021 to 27/08/2021)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

MOHANA PRIYA.V

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course "Microsoft Azure". The duration of the course is 30 hours
(23/08/2021 to 27/08/2021)

Course Coordinator

HOD

Principal



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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

AFROZ.N

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

(23/08/2021 to 27/08/2021)

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

DAVID PRAKASH.M

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course "Microsoft Azure". The duration of the course is 30 hours
(23/08/2021 to 27/08/2021)

Course Coordinator

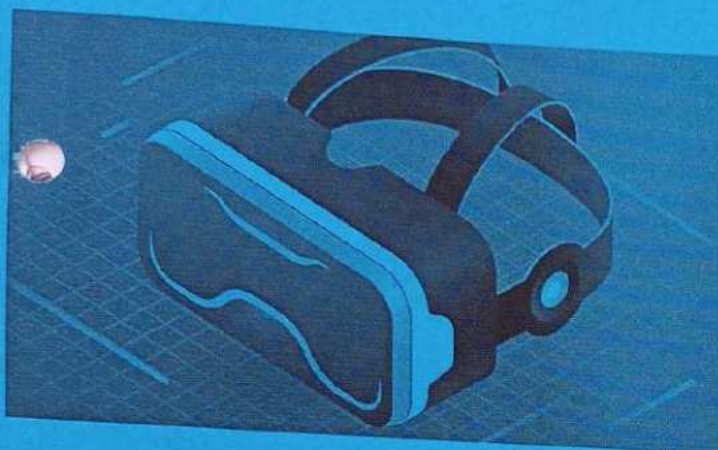
HOD

Principal

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VIRTUAL REALITY

Virtual Reality (VR) is a computer-generated environment with scenes and objects that appear to be real, making the user feel they are immersed in their surroundings. This environment is perceived through a device known as a Virtual Reality headset or helmet.



Virtual reality is most commonly used in entertainment applications such as video games, 3D cinema, and social virtual worlds. Consumer virtual reality headsets were first released by video game companies in the early-mid 1990s.

INTENDED AUDIENCE

- III Year of B.E, B.Tech - Students
- Students able see computer generated objects and scenes with virtual reality with surrounding effects includes sounds and images.

Date: 02.08.2021 - 06.08.2021

COURSE INCHARGE

P.Renukadevi, ASP

COURSE OBJECTIVES

To enable the students to

- learn the concept of python for virtual reality.
- Know about the Fundamentals of virtual reality.
- learn to analyze and validate virtual reality techniques.

UNIT I INTRODUCTION

Course mechanics - Goals and VR definitions - Historical perspective - Birds-eye view (general) - Birds-eye view (general), contd - Birds-eye view (hardware) - Birds-eye view (software) - Birds-eye view (sensation and perception)

UNIT II GEOMETRY OF VIRTUAL WORDS

Geometric modeling - Transforming models - Matrix algebra and 2D rotations - 3D rotations and yaw, pitch, and roll - 3D rotations and yaw, pitch, and roll, contd - Axis-angle representations - Quaternions - Converting and multiplying rotations - Converting and multiplying rotations, contd - Homogeneous transforms - The chain of viewing transforms - Eye transforms - Eye transforms, contd - Canonical view transform - Viewport transform - Viewport transform, contd

UNIT III LIGHT AND OPTICS

Three interpretations of light - Refraction - Simple lenses - Diopters - Imaging properties of lenses - Photoreceptors - Sufficient resolution for VR - Light intensity - Eye movements - Eye movements, contd - Eye movement issues for VR - Neuroscience of vision

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- execute virtual reality techniques.
- learn the core issues of virtual reality and approaches for implementation.
- articulate the main concepts, key technologies, strength and limitations of virtual reality.

TEXTBOOKS

1. Grigore C. Burdea, Philippe Coiffed, "Virtual Reality Technology", 2nd Edition published by Wiley 2003 (ISBN: 978-0-471-36089-6)

REFERENCES

1. Larijani, L.C., ed. 1994 The Virtual Reality Primer. New York: McGraw-Hill, Inc.



PAAVAI ENGINEERING COLLEGE
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NAMAKKAL


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DATE: 26.07.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on " VIRTUAL REALITY " for Fifth semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their names to the course coordinator P.Renukadevi ASP/CSE on or before 29.07.2021.

Course Co-coordinators: 1. K.Sudhadevi AP /CSE
2. E.Elanchezhiyan 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 : III/V

Name of the course : 21CSVC501 VIRTUAL REALITY

S.NO	REGISTER NUMBER	NAME	02.08.2021	03.08.2021	04.08.2021	05.08.2021	06.08.2021
1	19104001	R.Abinesh	/	/	/	/	/
2	19104002	P.Abirami	/	/	/	/	/
3	19104003	Adhish.M	/	/	/	/	/
4	19104005	A.Amirthavarshini	/	/	/	/	/
5	19104006	S.Aravind Raj	/	/	/	/	/
6	19104007	S.Aravinth	/	/	/	/	/
7	19104008	Arul Prashath.R	/	/	/	/	/
8	19104009	A.Arun Kumar	/	/	/	/	/
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	/	/	/	/	/
15	19104016	Bhavan Ramana.E	/	/	/	/	/
16	19104018	P.Chandru	/	/	/	/	/
17	19104019	Cherub Ebenezer	/	/	/	/	/
18	19104020	K.Deenadhayalan	/	/	/	/	/
19	19104022	Dhanu Prasanth	/	/	/	/	/
20	19104023	Dharnish Raja. J	/	/	/	/	/
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	/	/	/	/	/
28	19104031	Gowtham.K	/	/	/	/	/
29	19104032	M.Gunaseelan	/	/	/	/	/
30	19104033	R.Haripriya	/	/	/	/	/
31	19104034	Harishkumar.C	/	/	/	/	/
32	19104035	S.Hemalatha	/	/	/	/	/
33	19104036	T.Hemalatha	/	/	/	/	/
34	19104037	B.Induja	/	/	/	/	/

79	19104086	Sandhiya.S	✓	✓	✓	✓	✓
80	19104087	Sanjay.G	a	✓	✓	✓	✓
81	19104088	Santhiya.R	✓	✓	✓	✓	✓
82	19104089	Santhosh.B	✓	✓	✓	✓	✓
83	19104090	Sathish.B	✓	✓	✓	✓	✓
84	19104091	Satish.J	✓	✓	✓	✓	✓
85	19104092	Selvabharathi.S	✓	✓	✓	✓	✓
86	19104093	Serrangevi.S	✓	✓	✓	✓	✓
87	19104094	Shaju.V	✓	✓	✓	a	✓
88	19104095	Shalini.R	✓	✓	✓	✓	✓
89	19104096	Shanjay.V	✓	✓	✓	✓	✓
90	19104097	Shankaresh.R	✓	✓	✓	✓	✓
91	19104098	Sharath .R	✓	✓	✓	✓	✓
92	19104099	Shree Harini.M	✓	✓	✓	✓	✓
93	19104100	Silambarasan.V	✓	✓	✓	✓	✓
94	19104101	Sindhu.P	✓	✓	✓	✓	✓
95	19104102	Sinraj.S	a	✓	✓	✓	✓
96	19104103	Sivakaran.S	✓	✓	✓	✓	✓
97	19104104	Sivananthan.S	✓	✓	✓	✓	✓
98	19104105	Sujith.S	✓	✓	✓	✓	✓
99	19104106	Sujitha.S	✓	✓	✓	✓	✓
100	19104107	Surendhar.S	✓	✓	✓	✓	✓
101	19104108	Suriyasankar.P	✓	✓	✓	✓	✓
102	19104109	Swetha P	✓	✓	a	✓	✓
103	19104110	Swetha.G.V	✓	✓	✓	✓	✓
104	19104111	Swetha.M	✓	✓	✓	✓	✓
105	19104112	Thavasi.S	✓	✓	✓	✓	✓
106	19104114	Tony David Raj.M	✓	✓	✓	✓	✓
107	19104115	Udayakiran.S	✓	✓	✓	✓	✓
108	19104116	Udayan.R	✓	✓	✓	✓	✓
109	19104117	Varun Krishnan.V	✓	✓	✓	✓	✓
110	19104118	Vasanth.K	✓	✓	✓	✓	✓
111	19104119	Vasundharadevi.S	✓	✓	a	✓	✓
112	19104121	Vijaya Shankar P	✓	✓	✓	✓	✓
113	19104122	Vijayakumar.R	✓	✓	✓	✓	✓
114	19104123	Vijayalakshmi.R	✓	✓	✓	✓	✓
115	19104124	Vijayvenkateshwaran.M	✓	✓	✓	✓	✓
116	19104125	Yuvarani.R	✓	✓	✓	✓	✓
117	19104126	Yuvetha.S	a	a	a	a	a
118	19104301	Mohameed Hassan.Y	✓	✓	✓	✓	✓
119	19104302	Prabu Deva.B	✓	✓	✓	✓	✓

Course Coordinator

Hod



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

Hemalatha.T

of Paavai Engineering College, studying in Third Year has successfully completed the
Value-added Course "Virtual Reality". The duration of the course is 30 hours
(02/08/2021 to 06/08/2021)

Course Coordinator

HOD

Principal



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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

Vijayakumar.R

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

(02/08/2021 to 06/08/2021)

Course Coordinator

HOD

Principal



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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

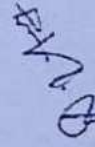
Nandhakumar.M

of Pavaai Engineering College, studying in Third Year has successfully completed the Value-added Course "Virtual Reality". The duration of the course is 30 hours

(02/08/2021 to 06/08/2021)



Course Coordinator



HOD



Principal



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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

A.Amirthavarshini

of Pavaai Engineering College, studying in Third Year has successfully completed the Value-added Course "Virtual Reality". The duration of the course is 30 hours (02/08/2021 to 06/08/2021)

Course Coordinator

HOD

Principal



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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

Varun Krishnan.V

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "Virtual Reality". The duration of the course is 30 hours (02/08/2021 to 06/08/2021)

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AJAX

AJAX stands for Asynchronous JavaScript And XML. In a nutshell, it is the use of the XMLHttpRequest object to communicate with servers. It can send and receive information in various formats, including JSON, XML, HTML, and text files. Make requests to the server without reloading the page.



AJAX is not a programming language. AJAX just uses a combination of: A browser built-in XMLHttpRequest object (to request data from a web server) JavaScript and HTML DOM (to display or use the data)

INTENDED AUDIENCE

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

Date: 02.08.2021 - 06.08.2021

COURSE INCHARGE

S.Balu, Professor

COURSE OBJECTIVES

To enable the students to

- know about the fundamental of ajax
- critically evaluate ajax engine based on their design
- study about the various ajax engine creations and applications.

UNIT I AJAX BASIC

What is Ajax? Ajax Rich Clients in the Real World - Ajax Advantages and Disadvantages - The Purpose of Ajax - The Traditional Web Application - An Ajax Web Application - Alternatives to Ajax.

UNIT II SYNCHRONIZATION COMMUNICATION

Asynchronous communication- Introduction to Ajax- Classic web applications Architecture Lesson based web applications architecture.0.

UNIT III AJAX ENGINE CREATION

Properties of Ajax engine-Lesson – ready State-Lesson – on ready state change status- response Text- response XML-methods of Ajax engine.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- understand about the fundamental of ajax.
- learn the core issues of augmented reality and approaches for implementation.
- analyse the strength and limitations of ajax.

TEXT BOOKS

1. Edmond Woychowsky, "Creating Web Pages with Asynchronous JavaScript and XML" Prentice Hall publisher; 1 edition (August 18, 2006), eBook (Pearson Education, Inc., 2007)

REFERENCES

1. Ronald Huereca, "WordPress and Ajax: An In-depth Guide on Using Ajax with WordPress" Vivien Anayian publisher, CreateSpace (January 13, 2011)



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NAMAKKAL**

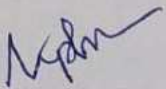
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DATE: 26.07.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on " AJAX " for Seventh semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their names to the course coordinator S.Balu Professor /CSE on or before 29.07.2021.

Course Co-coordinators: 1. J.Velumani ASP /CSE
2. R.Loganthan AP /CSE


HOD/CSE

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NAMAKKAL
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Academic Year: 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

Year/Semester : IV/VII

Name of the course : 21CSVC701 AJAX

S.NO	REGISTER NUMBER	NAME	02.08.2021	03.08.2021	04.08.2021	05.08.2021	06.08.2021
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	KALAIVANI.C	/	/	/	/	/
35	18104039	KARTHIKEYAN.M	/	/	/	/	/
36	18104040	KRISHNA KUMAR.G	/	/	/	/	/
37	18104041	KRISHNAKUMAR.A	/	/	/	/	/

38	18104042	KRISHNAPRASANTH.S	✓	✓	✓	✓	✓
39	18104043	LOGESH.M	a	a	a	a	a
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	a	✓	✓	✓	✓
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	✓	✓	✓	a	✓
52	18104052	NANDHINI.J	✓	✓	✓	✓	✓
53	18104053	NESAPRABHU.R	✓	✓	✓	✓	✓
54	18104054	NITHYA. N	✓	✓	✓	✓	✓
55	18104056	PAVITHRA.K	✓	✓	✓	✓	✓
56	18104057	POOJASREE.V	✓	✓	✓	✓	✓
57	18104058	PRADEEPA.K	✓	a	✓	✓	✓
58	18104059	PRAVEEN.G	✓	✓	✓	✓	✓
59	18104061	PRAVEENKUMAR.C	✓	✓	✓	✓	✓
60	18104062	PRAVESH.C	✓	✓	✓	✓	✓
61	18104063	PRIYADHARSHINI.C	✓	✓	✓	✓	✓
62	18104064	PRIYADHARSHINI.G	✓	✓	✓	✓	a
63	18104065	PRIYADHARSHINI.K	✓	✓	✓	✓	✓
64	18104066	PRIYADHARSHINI.S	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓
72	18104076	SANJAIKANTH.B	✓	✓	✓	✓	✓
73	18104077	SATHESHKUMAR.M	✓	✓	✓	✓	✓
74	18104078	SATHISHKUMAR.M	a	✓	✓	✓	✓
75	18104079	SAVITHA.M	✓	✓	✓	✓	✓
76	18104080	SHALINI.B	✓	✓	✓	✓	a
77	18104081	SHRIPRIYA.S	✓	✓	✓	✓	✓
78	18104082	SHRUTHI PRIYA.V	✓	✓	✓	✓	✓
79	18104083	SIVASUBRAMANIAN.K	✓	a	✓	✓	✓
78	18104084	SOUNDAR.A	✓	✓	✓	✓	✓
79	18104085	SOUNDHARYA.R.M	✓	✓	✓	✓	✓
80	18104087	SUBASH.K.S	✓	✓	✓	✓	✓
81	18104088	SUJITHA.A	✓	✓	✓	a	✓
82	18104089	SUKRIYA.S	✓	✓	✓	✓	✓
83	18104090	SURYAA.E	✓	✓	✓	✓	✓
84	18104091	TAMILSELVAN.S	✓	✓	✓	✓	✓
85	18104092	THANGAMALAR.M	a	a	a	a	a

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

JAYAVARTHANA.J

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

(02/08/2021 to 06/08/2021)

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

SANGEETHA.S

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

Value-added Course "AJAX". The duration of the course is 30 hours

(02/08/2021 to 06/08/2021)

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

AJAY SURYA.C

of Paavai Engineering College, studying in Final Year has successfully completed the
Value-added Course "AJAX". The duration of the course is 30 hours
(02/08/2021 to 06/08/2021)

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

YUVARAMYA.M

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

(02/08/2021 to 06/08/2021)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DJANGO

Django is a web framework written in Python that is free and open source. It provides a collection of modules, classes, libraries, and features that make web development easier and faster. It handles common tasks like user authentication, database connection, forms, and file upload. Django is a back-end server side web framework.



Excellent documentation and high scalability. Used by Top MNCs and Companies, such as Instagram, Disqus, Spotify, Youtube, Bitbucket, Dropbox, etc. and the list is never-ending. Easiest Framework to learn, rapid development, and Batteries fully included. Python has a huge library and features such as Web Scraping, Machine Learning, Image Processing, Scientific Computing.

INTENDED AUDIENCE:

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

DATE: 14.02.2022 TO 18.02.2022

COURSE INCHARGE: Mrs. K.Sudha Devi, ASP/CSE

21CSVC401

DJANGO

COURSE OBJECTIVES

To enable the students to:

- To Understand concepts of web development and databases
- To learn about forms and admin Interface
- To learn about static files and framework.

Unit I Introduction to web development concepts

Introduction - Setting up the development environment -Introduction to Django framework -Creating a basic Django project and app – Models and databases.

Unit II Forms And Admin Interface

User authentication and login functionality -Implementing user registration and password reset - adding customizations to Django admin -Implementing security measures in Django.

Unit III Create Static Files And Framework

Uploading and serving media files - Managing static files in Django - Introduction to Django - REST framework - Building APIs using Django REST framework – Testing and deployment.

TOTAL PERIODS 30

COURSE OUTCOMES

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

- Understand concepts of web development and databases
- Learnt about forms and admin Interface
- Know how to create static files and framework.

TEXT BOOKS

1.The Definitive Guide to Django Web Development Done Right Authors: Adrian Holovaty , Jacob Kaplan-Moss, 2021

REFERENCES

1. Lightweight Django: Using REST, WebSockets, and Backbone, Greyscale Indian Edition November 2020.



PAAVAI ENGINEERING COLLEGE

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NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2021-2022

Date:03.02.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "DJANGO" for Sixth semester students from 14.02.2022 TO 18.02.2022. The interested students are asked to enroll their name to the course coordinator Mrs.K.Sudha Devi ASP/CSE on or before 07.02.2022.

Course Incharge: Mrs K.Sudha Devi, ASP/CSE

COURSE COORDINATOR

HOD/CSE



PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSES

ATTENDANCE SHEET

Year /Semester: II/04

Name of the Course: 21CSVC401 & DJANGO

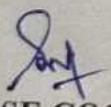
S.N O.	REGISTER NO.	NAME OF THE STUDENT	14.02.2022	15.02.2022	16.02.2022	17.02.2022	18.02.2022
1	20104002	AJAY.S	/	/	/	/	/
2	20104003	ARAVINTHRAJ.N.S	/	/	/	a	/
3	20104004	ARULSELVAR.S	/	/	/	/	/
4	20104005	ARUNKUMAR.A	/	/	/	/	/
5	20104006	ARUNPANDIYAN. M	/	/	/	/	/
6	20104007	ASMA BEGAM.M	/	/	/	/	/
7	20104008	ASNY RAJELIN.D	/	/	/	/	/
8	20104009	ATCHAYA.B	/	/	/	/	/
9	20104010	ATTHISH.P	/	/	/	/	/
10	20104011	AVINASH.K	/	/	/	/	/
11	20104013	CHENNAREDDY ESWAR CHANDRA SAI	a	a	a	a	a
12	20104014	DAVID PRAKASH.M	/	/	/	/	/
13	20104015	DEEPASREE.M	/	/	/	/	/
14	20104016	DHANABALAN.K	/	/	/	/	/
15	20104017	DHARANIDHARAN.N	/	/	/	/	/
16	20104018	DHARSHINI.G	/	/	/	/	/
17	20104019	DHARSHINI.S	/	/	/	/	/
18	20104020	DHINAKARAN.S	/	/	/	/	/
19	20104021	DILIP.T.U	/	/	/	/	/

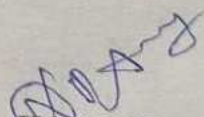
S.N O.	REGISTER NO.	NAME OF THE STUDENT	14.02.2022	15.02.2022	16.02.2022	17.02.2022	18.02.2022
20	20104022	DINESHBABU.S	1	1	1	1	1
21	20104023	DUDDU RADHA KRISHNA	a	a	a	a	a
22	20104024	GOKUL PRASANTH.G	1	a	a	1	1
23	20104025	GOKUL PRASATH.M	1	1	1	1	1
24	20104026	GOWTHAM.D	1	1	1	1	1
25	20104027	GUNA.T	1	1	1	1	1
26	20104028	HARI PRASATH.G	1	1	1	1	1
27	20104029	HARIHARAN.K	1	1	1	1	1
28	20104030	JAGADEESH.M	1	1	1	1	1
29	20104031	JAI SURIYA.S	1	1	1	1	1
30	20104032	JASWANTHRAJ.G	1	1	1	1	1
31	20104033	JEEVA.S	1	1	1	1	1
32	20104034	JEEVA.V	1	1	a	1	1
33	20104035	JEEVANKUMAR.S	1	1	1	1	1
34	20104036	JERUSHA.A.S	1	1	1	1	1
35	20104037	JEYAPANDI.M	1	1	1	1	1
36	20104038	KANNAN.P	1	1	1	a	1
37	20104039	KARTHICK.R	1	1	1	1	1
38	20104040	KARTHIK.P	1	1	1	1	1
39	20104041	KAVIN.M	1	1	1	1	1
40	20104042	KAVINKUMAR.S	1	1	1	1	1
41	20104043	KAVINRAJA.S	1	a	a	1	1
42	20104044	KEERTHANA.V	1	1	1	1	1
43	20104045	KEERTHIVASAN.V	1	1	1	1	1
44	20104046	KESAVAN.L	1	1	1	1	1
45	20104047	KESHAVARAJSHARMAA. R	1	1	1	1	1
46	20104048	KIRUBAKARAN.E	1	1	1	1	1
47	20104049	KIRUBHA.M	1	1	1	1	1

S.N O.	REGISTER NO.	NAME OF THE STUDENT	14.02.2022	15.02.2022	16.02.2022	17.02.2022	18.02.2022
48	20104050	KISHORE KUMAR. AL	1	1	1	1	1
49	20104051	KISHORE NITHIN.N	a	1	1	1	1
50	20104052	KRISHNAKUMAR.G	1	1	a	1	1
51	20104053	LALITHKUMAR.V	1	1	1	1	1
52	20104054	MADESH.R	1	1	a	1	a
53	20104055	MAHANANTHAM.N	1	1	1	1	1
54	20104056	MAIBALAN.K	1	1	1	1	1
55	20104057	MANOJPRABHAKAR.P	1	1	1	1	1
56	20104058	MATHAKALA MANEESHA	1	1	1	1	1
57	20104059	MEKALA.M	1	1	1	1	1
58	20104060	MITHRAN.I.R	1	1	1	1	1
59	20104061	MOHANA PRIYA.V	1	1	1	1	1
60	20104062	MUGUNDHAN.R	1	1	1	1	1
61	20104063	NANDHINI.A	1	1	1	1	1
62	20104064	NANDHINI.A	1	1	1	1	1
63	20104065	NANDHINI.S	1	1	1	1	1
64	20104066	NARAYANASAMY.V.M	1	1	1	1	1
65	20104067	NATHISH KUMAR.M	1	1	1	1	1
66	20104068	NAVEEN VIJAY.T	1	1	1	1	1
67	20104069	NAVIN KRISHNA.S.R	1	1	1	1	1
68	20104070	NITHISH KUMAR.N	1	1	1	1	1
69	20104071	NITHYASRI.M	1	1	1	1	1
70	20104072	PAMIDI PRAHARSHA	1	1	1	1	1
71	20104073	PRADEEPAKUMAR.A	1	1	1	1	1
72	20104074	PREETHI.S	1	1	1	1	1
73	20104075	PRIYANKA.S	1	1	1	1	1
74	20104076	PUGAZHENTHIL.K	1	1	1	1	1
75	20104077	RATHIS.M	a	1	1	1	a

S.N O.	REGISTER NO.	NAME OF THE STUDENT	14.02.2022	15.02.2022	16.02.2022	17.02.2022	18.02.2022
76	20104078	ROSHINI.V	/	/	/	/	/
77	20104079	RUTHRA. M	/	/	/	/	/
78	20104080	SABARINATHAN.C	/	/	/	/	/
79	20104081	SAKTHI SRIDHAR.S.B	/	/	/	/	/
80	20104082	SAMIDURAI.D	/	/	/	/	/
81	20104083	SANJAY BABU.M	/	/	/	/	/
82	20104084	SANJAYPRASANTH. T.M	/	/	/	/	/
83	20104085	SANTHOSH.S	/	/	/	/	/
84	20104086	SANTHOSHKUMAR.C	/	/	/	/	/
85	20104087	SARAN.V	/	/	/	/	/
86	20104088	SARANYA.S	/	/	/	/	/
87	20104089	SASIREKHA.R	/	/	/	/	/
88	20104090	SETHUPATHI.C	/	a	/	/	a
89	20104091	SHARAVANAN.A.K	/	/	/	/	/
90	20104092	SIMI LAUREN.J	/	/	/	/	/
91	20104093	SOUNDHARAJAN.S	/	/	/	/	/
92	20104094	SOWMYA.K	/	/	/	/	/
93	20104095	SRIKANTH.J	/	/	/	/	/
94	20104096	SRIKANTH.K	/	/	/	/	/
95	20104097	SRIKANTH.S	/	/	/	/	/
96	20104098	SUBA.R	/	/	/	/	/
97	20104099	SUBHIKSHA.G.B	/	/	/	/	/
98	20104100	SUJITH.D	/	/	/	/	/
99	20104101	SURESH.E	/	/	/	/	/
100	20104102	SURIYA. A	/	/	/	/	/
101	20104103	SURYA. R	/	/	/	/	/
102	20104104	SWITHA.R	/	/	/	/	/
103	20104105	UMMADIPOLU LAKSHMI LAHARI	/	/	/	/	/

S.N O.	REGISTER NO.	NAME OF THE STUDENT	14.02.2022	15.02.2022	16.02.2022	17.02.2022	18.02.2022
104	20104106	VAGRASRI S					
105	20104107	VARSHINI .S					
106	20104108	VASANTHAN.B					
107	20104111	VETRISELVAN.V					
108	20104112	VIGNESHWARAN.K					
109	20104113	VIMALRAJ.S					
110	20104114	VISHWA TEJA.S					
111	20104115	YOGASUNDARAM.K					
112	20104116	YUKESHKUMAR.A				a	
113	20104301	BALAJI.T					
114	20104303	ELAVARASI.K					
115	20104304	GOKUL KANNAN.S					
116	20104305	MONISH KUMAR.R				a	
117	20104308	VIGNESH.G	a				
118	20104501	VENKATESH .C				a	
				a			


COURSE COORDINATOR


HOD/CSE



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

SAKTHI SRIDHAR

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

(14/02/2022 to 18/02/2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

AJAY S

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

(14/02/2022 to 18/02/2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

DHARSHINI S

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

(14/02/2022 to 18/02/2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

SUJITH D

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

(14/02/2022 to 18/02/2022)

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

SUBA R

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

(14/02/2022 to 18/02/2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

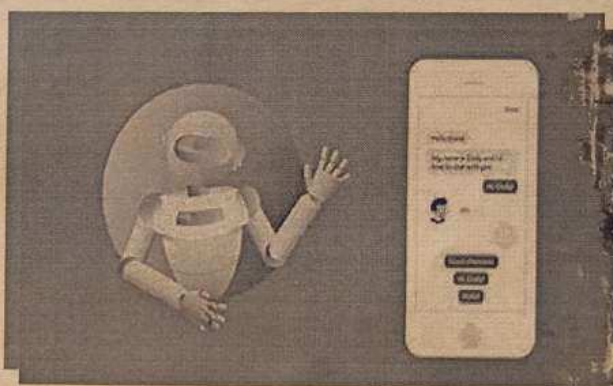
(Autonomous)

NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CHATBOT DEVELOPMENT

Chatbot development involves the creation of computer programs that can simulate human conversation and interact with users in natural language. One can use a chatbot to automate various business processes, such as customer service, sales, and marketing, leading to improved customer engagement, increased efficiency, and cost savings.



They are almost everywhere to make your day-to-day life easy. For customers, a chatbot provides a quick response, faster after or pre-sales services, and a feeling of personal connection to the company. Chatbots major utilization in E-Commerce Industry, Medical and Health care industry, Banking, Travelling and B2B.

INTENDED AUDIENCE:

- III Year B.E., B.TECH., - Students
- Students able to create intents, importing entities and interfaces.

DATE: 21.03.2022 TO 25.03.2022

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

21CSVC601

CHAT BOT DEVELOPMENT

COURSE OBJECTIVES

To enable the students to:

- To understand about chat bot development
- To understand about intents
- To learn about import and export entities

Unit I Introduction to Chatbots

What are chatbots? - Defining Use Cases, Requirements and types of chatbot - Chatbots are trending - Leader in the Industry - Create an instance of Watson Assistant

Unit II - Working with Intents

How chatbots work - Understanding Intents - Create Dialog Skill and Intents - Import Intents – Creating intent files.

Unit III - Working with Entities

Understanding Entities - Create Entities - Import and Export Entities – Rule based Chatbots – Usecases of Chatbots.

TOTAL PERIODS 30

COURSE OUTCOMES

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

- Analyze Introduction to chat bot development
- Identify the concept of intents
- Implement import and export entities

TEXT BOOKS

1.Master the art of Chatbot Development: A comprehensive Guide to Creating your own LLM Chatbot : Harness the power of language models for impactful conversation: Kindle Education by D.D Graston 2023.

REFERENCES

1. Hands –On Chatbots and conversational UI Development: Build chatbots and voice user interfaces with Chatfuel, Dialogflow, Micosoft Bot Framework, Twilio and Alexa Skills, Srini Janarthanam, 2021



PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACADEMIC YEAR 2021-2022

Date:05.03.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "CHATBOT DEVELOPMENT" for Fourth semester students from 21.03.2022 to 25.03.2022. The interested students are asked to enroll their name to the course coordinator Mrs.K.Sudha Devi ASP/CSE on or before 07.03.2022.

Course Incharge: Mrs P.Renukadevi ASP/CSE

COURSE COORDINATOR

HOD/CSE



PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSES

ATTENDANCE SHEET

Year /Semester: III/06

Name of the Course: 21CSVC601 & CHATBOT DEVELOPMENT

S.N O.	REGISTER NO.	NAME OF THE STUDENT	21.03.2022	22.03.2022	23.03.2022	24.03.2022	25.03.2022
1	19104001	ABINESH.R	1	a	1	1	1
2	19104002	ABIRAMLP	1	1	a	1	1
3	19104003	ADHISH.M	1	1	1	1	1
4	19104005	AMIRTHA VARSHINLA	1	1	1	1	1
5	19104006	ARAVINDRAJ.S	1	a	1	1	1
6	19104007	ARAVINTH.S	1	1	1	1	1
7	19104008	ARULPRASANTH.R	1	1	1	1	1
8	19104009	ARUNKUMAR.A	1	1	1	1	1
9	19104010	ARUNKUMAR.P	1	1	1	1	1
10	19104011	ASHWIN.A	1	a	1	1	1
11	19104012	ASHWATH.S	1	1	1	1	1
12	19104013	BALAKRISHNAN.V	1	1	1	1	1
13	19104014	BALAMURUGAN.K	1	1	1	1	1
14	19104015	BHARATHKUMAR.G	1	1	1	1	1
15	19104016	BHAVANRAMANA.E	1	1	1	1	1
16	19104018	CHANDRU.P	a	1	a	1	a
17	19104019	CHERUB EBENEZER	1	1	1	1	1
18	19104020	DHEENADAYALAN.K	1	1	1	1	1
19	19104022	DHANU PRASANTH.M	1	1	1	1	1


S.N O.	REGISTER NO.	NAME OF THE STUDENT	21.03.2022	22.03.2022	23.03.2022	24.03.2022	25.03.2022
20	19104023	DHARNISHRAJA.J	✓	✓	✓	✓	✓
21	19104024	DHARSHANNATH.Y	✓	✓	✓	✓	✓
22	19104025	GAVIYALAKSHMI.J	✓	✓	✓	✓	✓
23	19104026	GAYATHRI.R	✓	✓	✓	✓	✓
24	19104027	GOKILA.K.M	✓	✓	✓	✓	✓
25	19104028	GOKUL.R	✓	✓	✓	✓	✓
26	19104029	GOPIKA.R	✓	✓	✓	✓	✓
27	19104030	GORLA CHADU	a	a	a	✓	a
28	19104031	GOWTHAM.K	✓	✓	✓	✓	✓
29	19104032	GUNASEELAN.M	✓	✓	✓	✓	✓
30	19104033	HARIPRIYA.R	✓	✓	✓	✓	✓
31	19104034	HARISHKUMAR.C	✓	✓	✓	✓	✓
32	19104035	HEMALATHA.S	✓	✓	✓	✓	✓
33	19104036	HEMALATHA.T	✓	✓	✓	✓	✓
34	19104037	INDUJA.B	✓	✓	✓	✓	✓
35	19104038	INTHUJA.M	✓	✓	✓	✓	✓
36	19104039	IYYAPPAN.N	✓	✓	✓	✓	✓
37	19104040	JAGANATHAN.K	✓	✓	✓	✓	✓
38	19104041	JAYABARATHI.S.P	✓	✓	✓	✓	✓
39	19104042	JAYALAKSHMI.P	✓	✓	a	✓	✓
40	19104043	KARTHIK.P	✓	✓	✓	✓	✓
41	19104044	KARTHIKA.M	✓	✓	✓	✓	✓
42	19104045	KARTHIKEYAN.K	✓	✓	✓	✓	✓
43	19104046	KAVIMANI.M	✓	✓	✓	✓	✓
44	19104047	KAVIYARASU.M	✓	✓	✓	✓	✓
45	19104048	KIRUTHIKA.M	✓	✓	✓	✓	✓
46	19104049	KIRUTHIKA.R.A	✓	✓	✓	✓	✓
47	19104051	MADESH.S	✓	✓	✓	✓	✓

S.N O.	REGISTER NO.	NAME OF THE STUDENT	21.03.2022	22.03.2022	23.03.2022	24.03.2022	25.03.2022
48	19104053	MADHUSUDHANAN.S	✓	a	✓	✓	✓
49	19104054	MAGIMASRI.K	✓	✓	✓	✓	✓
50	19104055	MANI PRABHU.T	✓	✓	✓	✓	✓
51	19104056	MANIKANDAN.A	✓	✓	✓	✓	✓
52	19104057	MATHUMITHA.M	✓	✓	✓	✓	✓
53	19104058	MOHAMMAD ROUSHAN.M	✓	✓	✓	a	✓
54	19104059	MOHAMMAD SALIM.K	✓	✓	✓	✓	✓
55	19104060	MOHAN.M	✓	✓	✓	✓	a
56	19104061	MONAL.K	✓	✓	✓	✓	✓
57	19104063	MONISH.V	✓	✓	✓	✓	✓
58	19104064	MUGESH KUMAR.S	✓	✓	✓	✓	✓
59	19104076	PULIMI HEMANTH KUMAR	✓	✓	✓	✓	✓
60	19104065	MUKESH.P	✓	✓	✓	✓	✓
61	19104066	MUTHUPANDI.S	✓	✓	✓	✓	✓
62	19104067	NANDHAGOPAL.C	✓	✓	✓	✓	✓
63	19104068	NANDHAKUMAR.K	✓	✓	✓	✓	✓
64	19104069	NANDHAKUMAR.M	✓	✓	✓	✓	✓
65	19104070	NAVEEN.S	✓	✓	✓	✓	✓
66	19104071	NITHYANANDAN.K	✓	✓	✓	✓	✓
67	19104072	PRAVEENKUMAR.R	✓	✓	✓	✓	✓
68	19104073	PRIYADHARSHNINI.M	✓	✓	✓	✓	✓
69	19104074	PRIYADHARSHNINI.R	✓	✓	✓	✓	✓
70	19104075	PRIYANKA.G	✓	✓	✓	✓	✓
71	19104077	RAGHAVAN.B	a	a	a	✓	a
72	19104078	RAJADURAI.M	✓	✓	✓	✓	✓
73	19104080	RAMALAKSHMANAN	✓	✓	✓	✓	✓
74	19104081	RAMKUMAR.K	✓	✓	✓	a	✓
75	19104065	MUKESH.P	✓	✓	✓	✓	✓

S.N O.	REGISTER NO.	NAME OF THE STUDENT	21.03.2022	22.03.2022	23.03.2022	24.03.2022	25.03.2022
76	19104082	ROHKITH ROSHAN.S	✓	✓	✓	✓	✓
77	19104083	ROSHNA.R	✓	✓	✓	✓	✓
78	19104084	SAMDANIEL.D	✓	✓	✓	✓	✓
79	19104085	SANDEEP.S	✓	✓	✓	✓	✓
80	19104086	SANDHIYA.S	✓	✓	✓	✓	✓
81	19104087	SANJAY.G	✓	✓	✓	✓	✓
82	19104088	SANTHIYA.R	✓	✓	✓	✓	✓
83	19104089	SANTHOSH.B	✓	✓	✓	✓	✓
84	19104090	SATHISH.B	✓	✓	✓	✓	✓
85	19104091	SATISH.J	✓	✓	✓	✓	✓
86	19104092	SELVABHARATHI.S	✓	✓	✓	✓	✓
87	19104093	SERRANGEVI.S	✓	✓	✓	✓	✓
88	19104094	SHAJU.V	✓	✓	✓	✓	✓
89	19104095	SHALINI.R	✓	✓	✓	✓	✓
90	19104096	SHANJAY.V	✓	✓	✓	✓	✓
91	19104097	SHANKARESH.R	✓	✓	✓	✓	✓
92	19104098	SHARATH.R	✓	✓	✓	✓	✓
93	19104099	SHREEHARINI.M	✓	✓	✓	✓	✓
94	19104100	SILAMBARASAN.V	✓	✓	✓	✓	✓
95	19104101	SINDHU.P	✓	✓	✓	✓	✓
96	19104102	SINRAJ.S	✓	✓	✓	✓	✓
97	19104103	SIVAKARAN.S	✓	✓	✓	✓	✓
98	19104104	SIVANANTHAN.S	✓	✓	✓	✓	✓
99	19104105	SUJITH.S	✓	✓	✓	✓	✓
100	19104106	SUJITHA.S	✓	✓	✓	✓	✓
101	19104107	SURENDHAR.S	✓	✓	✓	✓	✓
102	19104108	SURIYASANKAR.P	✓	✓	✓	✓	✓
103	19104109	SWETHA.P	✓	✓	✓	✓	✓

S.N O.	REGISTER NO.	NAME OF THE STUDENT	21.03.2022	22.03.2022	23.03.2022	24.03.2022	25.03.2022
104	19104110	SWETHA.G.V	1	1	1	1	1
105	19104111	SWETHA.M	1	1	1	1	a
106	19104112	THAVASI.S	1	1	1	1	1
107	19104114	TONYDAVIDRAJ.M	1	a	1	1	1
108	19104115	UDAYAKIRAN.S	1	1	1	1	1
109	19104116	UDAYAN.R	1	1	1	1	1
110	19104117	VARUNKRISHNAN.V	1	1	1	1	1
111	19104118	VASANTH.K	1	1	1	a	1
112	19104119	VASUNDHARADEVI.S	1	1	1	1	1
113	19104121	VIJAYA SHANKAR.P	1	1	1	1	1
114	19104122	VIJAYAKUMAR.R	1	1	1	1	1
115	19104123	VIJAYALAKSHMI.R	1	1	1	1	1
116	19104124	VIJAY VENKATESHWARAN.M	1	1	1	1	1
117	19104125	YUVARANI.R	1	1	1	1	1
118	19104126	YUVETHA.S	1	1	1	1	1
119	19104301	MOHAMMED HASSAN.S	1	1	a	1	1
120	19104302	PRABHUDEVA.B	1	a	1	1	1


COURSE COORDINATOR


HOD/CSE



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

MONISH V

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "CHAT BOT DEVELOPMENT". The duration of the course is 30 hours

(21/03/2022 to 25/03/2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

ROHITH ROSHAN S

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "CHAT BOT DEVELOPMENT". The duration of the course is 30 hours

(21/03/2022 to 25/03/2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

SANDEEP S

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "CHAT BOT DEVELOPMENT". The duration of the course is 30 hours

(21/03/2022 to 25/03/2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

KARTHIKEYAN K

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "CHAT BOT DEVELOPMENT". The duration of the course is 30 hours

(21/03/2022 to 25/03/2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

GAVIYALAKSHIMI J

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "CHAT BOT DEVELOPMENT". The duration of the course is 30 hours

(21/03/2022 to 25/03/2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

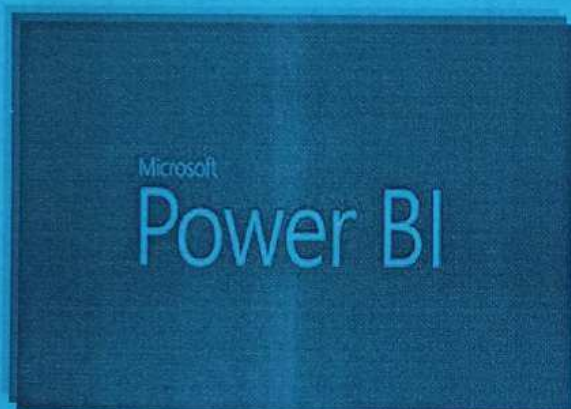
(Autonomous)

NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

POWER BI

Power BI is a collection of software services, apps, and connectors that work together to turn your unrelated sources of data into coherent, visually immersive, and interactive insights. Data might be an Excel spreadsheet, or a collection of cloud-based and on-premises hybrid data warehouses.



Power BI lets you easily connect to your data sources, visualize and discover what's important, and share that with anyone or everyone you want. An online software as a service (SaaS) service called the Power BI service. Power BI Mobile apps for Windows, iOS, and Android devices.

INTENDED AUDIENCE:

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

DATE: 07.03.2022 TO 11.03.2022

COURSE INCHARGE: Dr.S.Balu, ASP/CSE

21CSVC801

POWER BI

COURSE OBJECTIVES

To enable the students to:

- To understand the concept of power Bi data sources and databases.
- To learn about modelling and visualization.
- To learn the concept of Power Bi services and Query.

Unit I Introduction

Introduction to Power BI: Overview, features, and benefits - Data Sources: Connecting to various data sources like Excel, databases, and online services - Data Transformation: Cleaning, shaping, and preparing data for visualization.

Unit II Data Modeling and Visualization

Data Modeling: Creating relationships and measures for analysis - Visualizations: Building different types of charts, graphs, and reports.

Unit III Power Bi Services

Dashboards: Designing interactive dashboards for data insights - Power BI Service: Publishing and sharing reports on the Power BI service - Power Query: Advanced data transformation using Power Query Editor - DAX (Data Analysis Expressions): Writing calculations and custom measures using DAX.

TOTAL PERIODS 30

COURSE OUTCOMES

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

- Understand the concepts of power Bi data sources and databases.
- Analyse about modelling and visualization.
- Implement the concept of Power Bi services and Query.

TEXT BOOKS

1. Mastering Microsoft Power BI: Expert techniques to create interactive insights for effective data analytics and business intelligence Paperback Import, 30 June 2022

REFERENCES

1. Microsoft Power BI Cookbook: Gain expertise in Power BI with over 90 hands-on recipes, tips, and use cases Paperback Import, 30 September 2021



PAAVAI ENGINEERING COLLEGE
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2021-2022

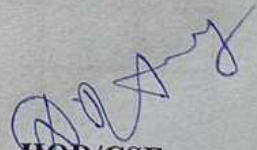
Date:28.02.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "POWER Bi" for Eighth semester students from 07.03.2022 TO 11.03.2022. The interested students are asked to enroll their name to the course coordinator Mrs.K.Sudha Devi ASP/CSE on or before 03.03.2022.

Course Incharge: Dr.S.Balu, Prof./CSE


COURSE COORDINATOR


HOD/CSE



PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSES

ATTENDANCE SHEET

Year /Semester: IV/08

Name of the Course: 21CSV801 & POWER Bi

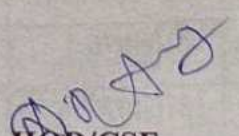
S.N O.	REGISTER NO.	NAME OF THE STUDENT	07.03.2022	08.03.2022	09.03.2022	10.03.2022	11.03.2022
1	18104001	ABINESH.V	✓	✓	a	✓	✓
2	18104002	AISHWARYA.N.S	✓	✓	✓	✓	✓
3	18104003	AJAY SURYA.C	✓	✓	✓	✓	✓
4	18104004	AJAY SAMSON.A	✓	✓	✓	✓	✓
5	18104005	AJIN.T.S	✓	✓	✓	✓	✓
6	18104006	ALFIYAA.M	✓	✓	✓	✓	✓
7	18104007	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	✓	✓	✓	a	✓
14	18104014	CHANDRU.M	✓	✓	✓	✓	✓
15	18104015	CHOUTHRI.B	✓	✓	✓	✓	✓
16	18104016	DHANISKUMAR.S	✓	✓	✓	✓	✓
17	18104017	DHARMAN.K	✓	✓	✓	✓	✓
18	18104018	DHARSINI.R	✓	✓	✓	✓	✓
19	18104019	DHEENA.J	✓	✓	✓	✓	✓

S.N O.	REGISTER NO.	NAME OF THE STUDENT	07.03.2022	08.03.2022	09.03.2022	10.03.2022	11.03.2022
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	✓	✓	✓	a	✓
32	18104035	JOHNPANDIYAN.S	✓	✓	✓	✓	✓
33	18104036	KAILASH.L.M	✓	a	✓	✓	✓
34	18104037	KALAIVANI.C	✓	✓	✓	✓	✓
35	18104039	KARTHIKEYAN.M	✓	✓	✓	✓	✓
36	18104040	KRISHNA KUMAR.G	✓	✓	✓	✓	✓
37	18104041	KRISHNAKUMARA.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	✓	✓	✓	✓	✓

S.N O.	REGISTER NO.	NAME OF THE STUDENT	07.03.2022	08.03.2022	09.03.2022	10.03.2022	11.03.2022
48	18104301	GANESAN.A	✓	✓	✓	✓	✓
49	18104302	JIBIN GEORGE	✓	✓	a	✓	✓
50	18104303	KAMESVARAN.R	✓	✓	✓	✓	✓
51	18104304	NIVESH KABIL.B.L	a	✓	✓	✓	✓
52	18104052	NANDHINI.J	✓	✓	✓	✓	✓
53	18104053	NESAPRABHU.R	✓	✓	✓	✓	✓
54	18104054	NITHYA. N	✓	✓	✓	✓	✓
55	18104056	PAVITHRA.K	✓	✓	✓	✓	✓
56	18104057	POOJASREE.V	✓	✓	✓	✓	✓
57	18104058	PRADEEPA.K	✓	a	✓	✓	✓
58	18104059	PRAVEEN.G	✓	✓	✓	✓	✓
59	18104061	PRAVEENKUMAR.C	✓	✓	✓	✓	✓
60	18104062	PRAVESH.C	✓	✓	✓	✓	✓
61	18104063	PRIYADHARSHINI.C	✓	✓	✓	✓	✓
62	18104064	PRIYADHARSHINI.G	a	✓	✓	✓	✓
63	18104065	PRIYADHARSHINI.K	✓	✓	✓	✓	✓
64	18104066	PRIYADHARSHINI.S	✓	✓	✓	✓	✓
65	18104067	PRIYANKA.M	✓	✓	✓	✓	✓
66	18104069	RAMYA.S	✓	a	✓	✓	✓
67	18104070	RANJEETHKUMAR.B	✓	✓	✓	✓	✓
68	18104072	RENUGADEVI.S	✓	✓	✓	✓	✓
69	18104073	SABARIVELVASAN.P.V	✓	✓	✓	✓	✓
70	18104074	SAKTHIVEL.P	✓	✓	✓	a	✓
71	18104075	SANGEETHA.S	✓	✓	✓	✓	✓
72	18104076	SANJAIKANTH.B	✓	✓	✓	✓	✓
73	18104077	SATHESHKUMAR.M	✓	✓	✓	✓	✓
74	18104078	SATHISHKUMAR.M	✓	✓	a	✓	✓
75	18104079	SAVITHA.M	✓	✓	✓	✓	✓

S.N O.	REGISTER NO.	NAME OF THE STUDENT	07.03.2022	08.03.2022	09.03.2022	10.03.2022	11.03.2022
76	18104080	SHALINI.B	✓	✓	✓	✓	✓
77	18104081	SHRIPRIYA.S	✓	✓	✓	✓	✓
78	18104082	SHRUTHI PRIYA.V	✓	✓	✓	✓	✓
79	18104083	SIVASUBRAMANIAN.K	✓	✓	✓	✓	✓
80	18104084	SOUNDAR.A	✓	a	✓	✓	✓
81	18104085	SOUNDHARYA.R.M	✓	✓	✓	✓	✓
82	18104087	SUBASH.K.S	✓	✓	✓	a	✓
83	18104088	SUJITHA.A	✓	✓	✓	✓	✓
84	18104089	SUKRIYA.S	✓	✓	✓	✓	✓
85	18104090	SURYAA.E	✓	✓	✓	✓	✓
86	18104091	TAMILSELVAN.S	✓	✓	a	✓	✓
87	18104092	THANGAMALAR.M	✓	✓	✓	✓	✓
88	18104093	THARANIS	✓	✓	✓	✓	✓
89	18104094	THIRUPATHI.S	a	✓	✓	✓	✓
90	18104095	VANMATHI.G	✓	✓	✓	✓	✓
91	18104098	VIGNESH.L	✓	✓	✓	✓	✓
92	18104099	VIGNESH.V	✓	✓	a	✓	✓
93	18104100	VISHAL.J	✓	✓	✓	✓	✓
94	18104101	YASWANTHKUMAR.M	✓	✓	✓	✓	✓
95	18104102	YUGAVARSHAN.A.S	✓	✓	✓	✓	✓
96	18104103	YUVARAMYA.M	✓	✓	✓	✓	✓
97	18104305	PRAVEEN KUMAR.R	✓	✓	✓	a	✓
98	18104306	SOWNDARYA LAKSHMI.R	✓	✓	✓	✓	✓


COURSE COORDINATOR


HOD/CSE



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

RAMYA S

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

(07/03/2022 to 11/03/2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

SURYA E

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

(07/03/2022 to 11/03/2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

JEEVITHA A

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

(07/03/2022 to 11/03/2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

SAVITHA M

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

(07/03/2022 to 11/03/2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that

DHILIPAN B

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

(07/03/2022 to 11/03/2022)

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE, PACHAL -637 018

(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

ELECTRONIC MAKERSPACE-I



Date: 02.08.2021 – 06.08.2021

Course Incharge: Mr. Venkatachalam , AP / ECE

Venue: M204 Analog electronics Lab



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:26.07.2021

CIRCULAR

It is planned to conduct Five days Value added course on "ELECTRONIC MAKERSPACE-I" for Third semester Students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their name to course coordinator Mr. K. Venkatachalam AP / ECE on or before 30.07.2021. (Spot registration can also be permitted).

Course Co-ordinator:

Mr. Dr. K. Venkatachalam ASP / ECE

Copt to:

Notice Board


HOD / ECE
HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL (Po) Namakkal - 637018

COURSE OBJECTIVES

To enable the students to

- give exposure on fundamentals of sensors and Integrated device
- familiarize the student with functions involved in system design project

UNIT I GETTING STARTED IN INTEGRATED DEVICES**15**

Introduction – Integrated Circuits (IC) and their function – Relay– LDR– LM35 – NTC and PTC thermistor – Sensor Modules – PIR sensor – Rain Detector sensor – Moisture sensor – Sound Detector Sensor – Motor Driver L293D – Circuit forming techniques–Measuring Circuits with a Multimeter– Building Projects.

UNIT II START SYSTEM DESIGN PROJECT**15**

Ability to select the right ICs and evaluation modules– Ability to read the data sheet – Hardware Design skills, including simulation and bread boarding– PCB schematic entry, layout design and assembly –Software development in IDEs typically using C– Integrate different hardware blocks and software blocks and test the system– Test your idea on some real – life examples and record the observations – Write a technical report and make a technical presentation– Record a good Quality video demonstration of project.

TOTAL PERIODS 30**COURSE OUTCOMES**

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

- formulate a project using electronic components
- practice system design principles while developing a project

TEXT BOOK & MANUALS


1. S.Sedha,"Applied Electronics", Multicolour illustrative Edition
2. Arnold S. Berger " Embedded systems design"2001

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
21ECVC301 ELECTRONIC MAKERSPACE- I
ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	2/9/21	3/9/21	4/9/21	5/9/21	6/9/21	7/9/21
1	20105001	Adhilabanu A	/	/	/	/	/	/
2	20105002	Akashkrishna P	/	/	/	/	/	/
3	20105003	Anand R	/	/	/	/	/	/
4	20105004	Anbarasu N	/	/	/	/	/	/
5	20105006	Annamalai G	/	/	/	/	/	/
6	20105007	Arul Jothi R	/	/	/	/	/	/
7	20105008	Ashmeerhaan R	/	/	/	/	/	/
8	20105009	Avanthika K	/	/	/	/	/	/
9	20105010	Avula Anjaneya Yadav	/	/	/	/	/	/
10	20105011	Baranidharan S	/	/	/	/	/	/
11	20105012	Chandru B	/	/	/	/	/	/
12	20105013	Daniel J	/	/	/	/	/	/
13	20105014	Dava Pavan Sai Srinivas	/	/	/	/	/	/
14	20105015	Dharani B	/	/	/	/	/	/
15	20105016	Dineshkumar M	/	/	/	/	/	/
16	20105017	Eswaran S	/	/	/	/	/	/
17	20105018	Govardhini M	/	/	/	/	/	/
18	20105019	Gowtham K	/	/	/	/	/	/
19	20105020	Harikrishnan K	/	/	/	/	/	/
20	20105021	Harish G	/	/	/	/	/	/
21	20105022	Hemasree L	/	/	/	/	/	/
22	20105023	Janani M	/	/	/	/	/	/
23	20105024	Janathiv R	/	/	/	/	/	/
24	20105026	Kamalraj M	/	/	/	/	/	/
25	20105027	Kannan G	/	/	/	/	/	/
26	20105028	Karthikeyan S	/	/	/	/	/	/
27	20105029	Livinkumar S	/	/	/	/	/	/
28	20105030	Madhan S	/	/	/	/	/	/
29	20105031	Mageshvaran K	/	/	/	/	/	/
30	20105032	Manokaran R	/	/	/	/	/	/
31	20105033	Mohanapriya T	/	/	/	/	/	/
32	20105034	Monicka Shree A	/	/	/	/	/	/
33	20105035	Monika G	/	/	/	/	/	/
34	20105036	Mulaka Vishnu Vardhan Reddy	/	/	/	/	/	/
35	20105037	Muthupandian R	/	/	/	/	/	/
36	20105038	Narmadha M	/	/	/	/	/	/
37	20105040	Naveen S	/	/	/	/	/	/
38	20105041	Naveenkumar V	/	/	/	/	/	/
39	20105042	Navise Reniha P	/	/	/	/	/	/
40	20105043	Niranjan S	/	/	/	/	/	/

41	20105044	Nithyabharathi S	/	/	/	/	/	/	/
42	20105045	Parameswaran T	/	/	/	/	/	/	/
43	20105046	Patan Samdanbasa	/	/	/	/	/	/	/
44	20105047	Peddamalla Lokesh	/	/	/	/	/	/	/
45	20105048	Poovizhi K	/	/	/	/	/	/	/
46	20105049	Pragathi Ray S	/	/	/	/	/	/	/
47	20105050	Prasanthkumar P	/	/	/	/	/	/	/
48	20105051	Praveen K	/	/	/	/	/	/	/
49	20105052	Priyadharshini M	/	/	/	/	/	/	/
50	20105053	Rohith S	/	/	/	/	/	/	/
51	20105054	Roshan Kumar D	/	/	/	/	/	/	/
52	20105055	Sakthivel A	/	/	/	/	/	/	/
53	20105056	Sathyanarayanan V	/	/	/	/	/	/	/
54	20105057	Sathyaprakash J	/	/	/	/	/	/	/
55	20105058	Shanmathi V	/	/	/	/	/	/	/
56	20105059	Sindhuja R	/	/	/	/	/	/	/
57	20105060	Sirajudeen H	/	/	/	/	/	/	/
58	20105061	Somasekara S	/	/	/	/	/	/	/
59	20105062	Sri Kanth S	/	/	/	/	/	/	/
60	20105064	Tamilselvan P	/	/	/	/	/	/	/
61	20105065	Vengadesh B	/	/	/	/	/	/	/
62	20105066	Vikram M	/	/	/	/	/	/	/
63	20105067	Vinothkumar V	/	/	/	/	/	/	/
64	20105068	Yathishwar JC	/	/	/	/	/	/	/
65	20105302	Naveen Chakaravarthi. P	/	/	/	/	/	/	/
66	20105303	Rameshraj. P	/	/	/	/	/	/	/
67	20105304	Santhosh P	/	/	/	/	/	/	/
68	20105305	Thenmozhi.K	/	/	/	/	/	/	/


Course Coordinator


HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL (Po) Namakkal - 637018



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

AVANTHIKA K

from Paavai Engineering College studying B.E ECE has
successfully completed **Electronic Makerspace- I**
course from 02/08/2021 to 06/082021

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

NITHISH M

from Paavai Engineering College studying B.E ECE has
successfully completed **Electronic Makerspace- I**
course from 02/08/2021 to 06/082021

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

SAKTHIVEL A

from Paavai Engineering College studying B.E ECE has
successfully completed **Electronic Makerspace- I**
course from 02/08/2021 to 06/082021

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

AKASHKRISHNA P

from Paavai Engineering College studying B.E ECE has
successfully completed **Electronic Makerspace- I**
course from 02/08/2021 to 06/082021

COURSE COORDINATOR

HOD

PRINCIPAL

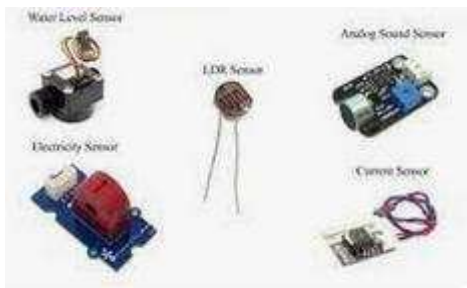
PAAVAI ENGINEERING COLLEGE, PACHAL-637 018

(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

SENSOR TECHNOLOGY



Date: 18.05.2022 to 22.05.2022

Course Incharge: Ms. D. Thendral 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: 11.05.2022

CIRCULAR

It is planned to conduct Five days Value added course on "SENSOR TECHNOLOGY" for fourth semester Students from 18.05.2022 to 22.05.2022. The interested students are asked to enroll their name to course coordinator Ms. D.Thendral AP / ECE on or before 16.05.2022. (Spot registration can also be permitted).

Course Co-ordinator: Ms. D.Thendral ASP / ECE


HOD / ECE

Copt to:

Notice Board

HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL (Po) Namakkal - 637018

21ECVC401

SENSOR TECHNOLOGY

COURSE OBJECTIVES

To enable the students to

- provide basic knowledge in transduction principles, sensors and transducer technology and measurement systems.
- provide the knowledge of various measurement methods of physical and electrical parameters

UNIT I SELF-GENERATING SENSORS OR ACTIVE SENSORS

15

Thermoelectric Sensors: Thermocouples, Thermo electric effects, Common thermocouples, Practical thermocouple laws, Cold junction compensation in thermocouples circuits.
Piezoelectric Sensors: Piezoelectric effect, piezoelectric materials, applications.

UNIT II CALIBRATION AND INTERFACING

15

Calibration using Master Sensors, Interfacing of Force, Pressure, Velocity, Acceleration, Flow, Density and Viscosity Sensors, Variable Frequency Drive.

TOTAL PERIODS 30

COURSE OUTCOMES

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

- identify suitable sensors and transducers for real time applications.
- design engineering solution to the Industry/Society needs and develop products.

TEXT BOOK & MANUALS

1. Measurement Systems – Applications and Design – by Doebelin E.O., 4/e, McGraw Hill International, 1990.
2. Principles of Industrial Instrumentation – Patranabis D. TMH. End edition 1997

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
21ECVC401 SENSOR TECHNOLOGY
ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	18.5.2022	19.5.2022	20.5.2022	21.5.2022	22.5.2022	23.5.2022
1	20105001	Adhilabanu A	/	/	/	/	/	/
2	20105002	Akashkrishna P	/	/	/	/	/	/
3	20105003	Anand R	/	/	/	/	/	/
4	20105004	Anbarasu N	/	/	/	/	/	/
5	20105006	Annamalai G	/	/	/	/	/	/
6	20105007	Arul Jothi R	/	/	/	/	/	/
7	20105008	Ashmeerhaan R	/	/	/	/	/	/
8	20105009	Avanthika K	/	/	/	/	/	/
9	20105010	Avula Anjaneya Yadav	/	/	/	/	/	/
10	20105011	Baranidharan S	/	/	/	/	/	/
11	20105012	Chandru B	/	/	/	/	/	/
12	20105013	Daniel J	/	/	/	/	/	/
13	20105014	Dava Pavan Sai Srinivas	/	/	/	/	/	/
14	20105015	Dharani B	/	/	/	/	/	/
15	20105016	Dineshkumar M	/	/	/	/	/	/
16	20105017	Eswaran S	/	/	/	/	/	/
17	20105018	Govardhini M	/	/	/	/	/	/
18	20105019	Gowtham K	/	/	/	/	/	/
19	20105020	Harikrishnan K	/	/	/	/	/	/
20	20105021	Harish G	/	/	/	/	/	/
21	20105022	Hemasree L	/	/	/	/	/	/
22	20105023	Janani M	/	/	/	/	/	/
23	20105024	Janathiv R	/	/	/	/	/	/
24	20105026	Kamalraj M	/	/	/	/	/	/
25	20105027	Kannan G	/	/	/	/	/	/
26	20105028	Karthikeyan S	/	/	/	/	/	/
27	20105029	Livinkumar S	/	/	/	/	/	/
28	20105030	Madhan S	/	/	/	/	/	/
29	20105031	Mageshvaran K	/	/	/	/	/	/
30	20105032	Manokaran R	/	/	/	/	/	/
31	20105033	Mohanapriya T	/	/	/	/	/	/
32	20105034	Monicka Shree A	/	/	/	/	/	/
33	20105035	Monika G	/	/	/	/	/	/
34	20105036	Mulaka Vishnu Vardhan Reddy	/	/	/	/	/	/
35	20105037	Muthupandian R	/	/	/	/	/	/
36	20105038	Narmadha M	/	/	/	/	/	/
37	20105040	Naveen S	/	/	/	/	/	/
38	20105041	Naveenkumar V	/	/	/	/	/	/
39	20105042	Navise Reniha P	/	/	/	/	/	/
40	20105043	Niranjana S	/	/	/	/	/	/
41	20105044	Nithyabharathi S	/	/	/	/	/	/
42	20105045	Parameswaran T	/	/	/	/	/	/
43	20105046	Patan Samdanbasa	/	/	/	/	/	/

44	20105047	Peddamalla Lokesh	/	/	/	/	/	/	/
45	20105048	Poovizhi K	/	/	/	/	/	/	/
46	20105049	Pragathi Ray S	/	/	/	/	/	/	/
47	20105050	Prasanthkumar P	/	/	/	/	/	/	/
48	20105051	Praveen K	/	/	/	/	/	/	/
49	20105052	Priyadharshini M	/	/	/	/	/	/	/
50	20105053	Rohith S	/	/	/	/	/	/	/
51	20105054	Roshan Kumar D	/	/	/	/	/	/	/
52	20105055	Sakthivel A	/	/	/	/	/	/	/
53	20105056	Sathyanarayanan V	/	/	/	/	/	/	/
54	20105057	Sathyaprakash J	/	/	/	/	/	/	/
55	20105058	Shanmathi V	/	/	/	/	/	/	/
56	20105059	Sindhuja R	/	/	/	/	/	/	/
57	20105060	Sirajudeen H	/	/	/	/	/	/	/
58	20105061	Somasekara S	/	/	/	/	/	/	/
59	20105062	Sri Kanth S	/	/	/	/	/	/	/
60	20105064	Tamilselvan P	/	/	/	/	/	/	/
61	20105065	Vengadesh B	/	/	/	/	/	/	/
62	20105066	Vikram M	/	/	/	/	/	/	/
63	20105067	Vinothkumar V	/	/	/	/	/	/	/
64	20105068	Yathishwar JC	/	/	/	/	/	/	/
65	20105302	Naveen Chakaravarthi. P	/	/	/	/	/	/	/
66	20105303	Rameshraj. P	/	/	/	/	/	/	/
67	20105304	Santhosh P	/	/	/	/	/	/	/
68	20105305	Thenmozhi.K	/	/	/	/	/	/	/


Course Coordinator


HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL (Po) Namakkal - 637018



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

HARISH.G

from Paavai Engineering College studying B.E ECE has
successfully completed **SENSOR TECHNOLOGY**
course from **18.05.2022 to 22.05.2022**

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

MADHAN.S

from Paavai Engineering College studying B.E ECE has
successfully completed **SENSOR TECHNOLOGY**
course from **18.05.2022 to 22.05.2022**

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

NAVEEN.S

from Paavai Engineering College studying B.E ECE has
successfully completed **SENSOR TECHNOLOGY**
course from **18.05.2022 to 22.05.2022**

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

NIRANJAN.S

from Paavai Engineering College studying B.E ECE has
successfully completed **SENSOR TECHNOLOGY**
course from **18.05.2022 to 22.05.2022**

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

ROHITH.S

from Paavai Engineering College studying B.E ECE has
successfully completed **SENSOR TECHNOLOGY**
course from **18.05.2022 to 22.05.2022**

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE, PACHAL-637 018

(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

NEURAL NETWORK CONTOL



Date: 02.08.2021 – 06.08.2021

Course Incharge: Dr.T SARAVANAN, 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: 26.07.2021

CIRCULAR

It is planned to conduct Five days Value added course on "NEURAL NETWORK CONTROL" for fifth semester Students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their name to course coordinator Dr. T.Saravanan ASP / ECE on or before 30.07.2021. (Spot registration can also be permitted).

Course Co-ordinator:

Dr. T.Saravanan ASP / ECE

Copt to:

Notice Board


HOD / ECE

HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL (Po) Namakkal - 637018

21ECVC601

NEURAL NETWORK CONTROL

COURSE OBJECTIVES

To enable the students to

- expose the students to the concepts of feed forward neural networks
- provide adequate knowledge about feedback neural networks

UNIT I ARCHITECTURES

15

Introduction – Biological neuron – Artificial neuron – Neuron modeling – Learning rules – Single layer – Multi layer feed forward network – Back propagation – Learning factors.

UNIT II NEURAL NETWORKS FOR CONTROL

15

Feedback networks – Discrete time hop field networks – Transient response of continuous time networks – Applications of artificial neural network - Process identification – Neuro controller for inverted pendulum.

TOTAL PERIODS 30

COURSE OUTCOMES

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

- know the various architectural model for neural network.
- acquire knowledge about control process for neural network.

TEXT BOOK & MANUALS

1. Jacek M. Zurada, 'Introduction to Artificial Neural Systems', Jaico Publishing home, 2002.
2. Laurance Fausett, Englewood cliffs, N.J., 'Fundamentals of Neural Networks', Pearson Education, 1992.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
21ECVC501 NEURAL NETWORK CONTROL
ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	2/9/21	3/9/21	4/9/21	5/9/21	6/9/21	7/9/21
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	KAMALESHA	/	/	/	/	/	/
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	19105052	MARUDHAPANDY.V	/	/	/	/	/	/	/
49	19105053	MEIGNANAMOORTHY.P	/	/	/	/	/	/	/
50	19105054	MOHAMMED SAMEER.M	/	/	/	/	/	/	/
51	19105055	MUKILAN.R	/	/	/	/	/	/	/
52	19105056	MUTHU KUMARA VEL.U	/	/	/	/	/	/	/
53	19105057	NAGAMAN.I.D	/	/	/	/	/	/	/
54	19105058	NARENDRA PRASATH.R	/	/	/	/	/	/	/
55	19105301	ADHISHA.A	/	/	/	/	/	/	/
56	19105302	MADHAVAN.P.S	/	/	/	/	/	/	/
57	19105059	NARMATHA.R	/	/	/	/	/	/	/
58	19105060	NARUBOINA CHARANSAL	/	/	/	/	/	/	/
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.E	/	/	/	/	/	/	/
65	19105067	PADMESH.B	/	/	/	/	/	/	/
66	19105068	PARTHASARATHI.S	/	/	/	/	/	/	/
67	19105069	PARTHIBAN.P	/	/	/	/	/	/	/
68	19105070	KOKANKI PAVAN KUMAR	/	/	/	/	/	/	/
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	19105080	RAGUL.B	/	/	/	/	/	/	/
76	19105081	RAGUL.R	/	/	/	/	/	/	/
77	19105082	RAGUL.T	/	/	/	/	/	/	/
78	19105083	RAJAGANAPATHI.D	/	/	/	/	/	/	/
79	19105084	RAJARAJAN.R	/	/	/	/	/	/	/
80	19105085	RANJANI.V	/	/	/	/	/	/	/
81	19105086	SAKTHI.S	/	/	/	/	/	/	/
82	19105087	SANJAY.A	/	/	/	/	/	/	/
83	19105088	SANJAY.M	/	/	/	/	/	/	/
84	19105089	SANTHOS KUMAR.V	/	/	/	/	/	/	/
85	19105090	SARANYA.A	/	/	/	/	/	/	/
86	19105092	SATHISH KUMAR.R	/	/	/	/	/	/	/
87	19105093	SHEELA JENEFER.A	/	/	/	/	/	/	/
88	19105094	SIVA DHARSHINI.A	/	/	/	/	/	/	/
89	19105095	SIVA GANESH.M	/	/	/	/	/	/	/
90	19105097	SIVA KUMAR.M	/	/	/	/	/	/	/
91	19105098	SIVASAKTHI.V	/	/	/	/	/	/	/

92	19105099	SMITHA.M	/	/	/	/	/	/	/
93	19105100	SNEGA.S	/	/	/	/	/	/	/
94	19105101	SOBANA.S	/	/	/	/	/	/	/
95	19105102	SOWMIYA.K	/	/	/	/	/	/	/
96	19105203	SRETHARSSENE.S	/	/	/	/	/	/	/
97	19105104	SRIKRISHNAN.K	/	/	/	/	/	/	/
98	19105105	SRINITHI GAYATHRI.S	/	/	/	/	/	/	/
99	19105106	SRI VIKNESH.S	/	/	/	/	/	/	/
100	19105107	SRIVISHNU.J	/	/	/	/	/	/	/
101	19105108	SUNDARESAN.E	/	/	/	/	/	/	/
102	19105109	SURENDHAR.B	/	/	/	/	/	/	/
103	19105110	SURENDAR KUMAR.S	/	/	/	/	/	/	/
104	19105111	SWATHIGA.G.V	/	/	/	/	/	/	/
105	19105114	THAMBU GANESH	/	/	/	/	/	/	/
106	19105115	THARAN.LK	/	/	/	/	/	/	/
107	19105116	THARAN KUMAR.R	/	/	/	/	/	/	/
108	19105117	THEPANRAJ.R	/	/	/	/	/	/	/
109	19105118	UDHAYANITHI.E	/	/	/	/	/	/	/
110	19105119	VENKATESH.G.S	/	/	/	/	/	/	/
111	19105120	VIGNESH.M	/	/	/	/	/	/	/
112	19105121	VINISHA.S	/	/	/	/	/	/	/


Course Coordinator


HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
VH-7 PACHAL (Po) Namakkal - 637018



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

NAVEEN.R

from Paavai Engineering College studying B.E ECE has
successfully completed **NEURAL NETWORK CONTROL**
course from **02.08.2021 to 06.08.2021**

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

NIRMALA.N

from Paavai Engineering College studying B.E ECE has
successfully completed **NEURAL NETWORK CONTROL**
course from **02.08.2021 to 06.08.2021**

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

PRASATH.S

from Paavai Engineering College studying B.E ECE has
successfully completed **NEURAL NETWORK CONTROL**
course from **02.08.2021 to 06.08.2021**

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

NITHISH.M

from Paavai Engineering College studying B.E ECE has
successfully completed **NEURAL NETWORK CONTROL**
course from **02.08.2021 to 06.08.2021**

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

RAGUL.B

from Paavai Engineering College studying B.E ECE has
successfully completed **NEURAL NETWORK CONTROL**
course from **02.08.2021 to 06.08.2021**

COURSE COORDINATOR

HOD

PRINCIPAL

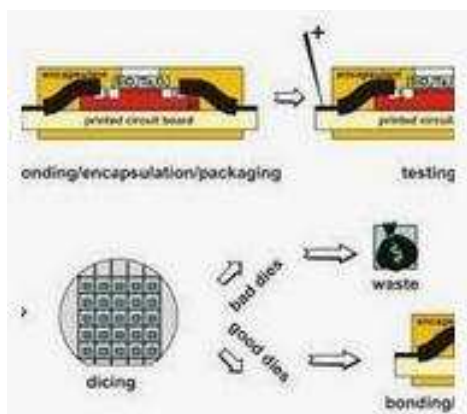
PAAVAI ENGINEERING COLLEGE, PACHAL-637 018

(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

CHIP LEVEL TESTING AND DEBUGGING FOR SMARTPHONE AND TABLETS



Date: 18.05.2022 – 22.05.2022

Course In-charge: Mr.S.Vijayakumar, ASP / ECE

Venue: M204-ANALOG ELECTRONICS LAB



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: 11.05.2022

CIRCULAR

It is planned to conduct Five days Value added course on “CHIP LEVEL TESTING AND DEBUGGING FOR SMARTPHONE AND TABLETS” for sixth semester Students from 18.05.2022 to 22.05.2022. The interested students are asked to enroll their name to course coordinator Mr. S.Vijayakumar ASP / ECE on or before 16.05.2022. (Spot registration can also be permitted).

Course Co-ordinator:

Mr. S.Vijayakumar ASP / ECE


HOD / ECE

Copt to:

Notice Board

HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL (Po) Namakkal - 637018

21ECVC601

**CHIP LEVEL TESTING AND DEBUGGING FOR
SMARTPHONE AND TABLETS**

COURSE OBJECTIVES

To enable the students to

- identify the purpose of the literature review in the research process.
- select information sources appropriate to the information needed and write your literature review.

UNIT I INTRODUCTION TO CHIP LEVEL TESTING AND DEBUGGING 15

Introduction- The need for on chip debug – instrument and EDA based verification – SOC Debug requirements – Instrumentation based Debug infrastructure.

UNITII ONCHIP INSTRUMENTATION COMPONENTS 15

Trace and Event Triggering – External Interfaces for Onchip instrumentation –Performance analysis using Onchip Instrumentation – Examples.

TOTAL PERIODS 30

COURSE OUTCOMES

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

- To know about systems considerations for adding debug and systems analysis instrumentation to a System on Chip design
- Perform various testing on smartphone and Tablets.

TEXT BOOK & MANUALS

1. Neal stollon,“ On Chip Instrumentation Design and Debug for Systems on chip”,2011 kindle edition.
2. Grotker – Holtmann, Keding – wloka , “The Developer guide to Debugging”, 2008 th edition

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
21ECVC601 CHIP LEVEL TESTING AND DEBUGGING FOR SMARTPHONE AND TABLETS
ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	18-5-22	19-5-22	20-5-22	20-5-22 (T)	21-5-22	22-5-22	22-5-22 (T)
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	/	/	/	a	/	/	/
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	/	/	/	/	/	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	19105052	MARUDHAPANDY.V	/	/	/	/	/	/	/
49	19105053	MEIGNANAMOORTHY.P	/	/	/	/	/	/	/
50	19105054	MOHAMMED SAMEER.M	/	/	/	/	/	/	/
51	19105055	MUKILAN.R	/	/	/	/	/	/	/
52	19105056	MUTHU KUMARA VEL.U	/	/	/	/	/	/	/
53	19105057	NAGAMANID	/	/	/	/	/	/	/
54	19105058	NARENDRA PRASATH.R	/	/	/	/	/	/	/
55	19105301	ADHISHA.A	/	/	/	/	/	/	/
56	19105302	MADHAVAN.P.S	/	/	/	/	/	/	/
57	19105059	NARMATHA.R	/	/	/	/	/	/	/
58	19105060	NARUBOINA CHARANSAL	/	/	/	/	/	/	/
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 BALAJIE	/	/	/	/	/	/	/
65	19105067	PADMESH.B	/	/	/	/	/	/	/
66	19105068	PARTHASARATHI.S	/	/	/	/	/	/	/
67	19105069	PARTHIBAN.P	/	/	/	/	/	/	/
68	19105070	KOKANKI PAVAN KUMAR	/	/	/	/	/	/	/
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	19105080	RAGUL.B	/	/	/	/	/	/	/
76	19105081	RAGUL.R	/	/	/	/	/	/	/
77	19105082	RAGUL.T	/	/	/	/	/	/	/
78	19105083	RAJAGANAPATHI.D	/	/	/	/	/	/	/
79	19105084	RAJARAJAN.R	/	/	/	/	/	/	/
80	19105085	RANJANI.V	/	/	/	/	/	/	/
81	19105086	SAKTHI.S	/	/	/	/	/	/	/
82	19105087	SANJAY.A	/	/	/	/	/	/	/
83	19105088	SANJAY.M	/	/	/	/	/	/	/
84	19105089	SANTHOS KUMAR.V	/	/	/	/	/	/	/
85	19105090	SARANYA.A	/	/	/	/	/	/	/
86	19105092	SATHISH KUMAR.R	/	/	/	/	/	/	/
87	19105093	SHEELA JENEFER.A	/	/	/	/	/	/	/
88	19105094	SIVA DHARSHINI.A	/	/	/	/	/	/	/
89	19105095	SIVA GANESH.M	/	/	/	/	/	/	/
90	19105097	SIVA KUMAR.M	/	/	/	/	/	/	/
91	19105098	SIVASAKTHI.V	/	/	/	/	/	/	/

92	19105099	SMITHA.M	/	/	/	/	/	/	/
93	19105100	SNEGA.S	/	/	/	/	/	/	/
94	19105101	SOBANA.S	/	/	/	/	/	/	/
95	19105102	SOWMIYA.K	/	/	/	/	/	/	/
96	19105203	SRETHARSSENE.S	/	/	/	/	/	/	/
97	19105104	SRIKRISHNAN.K	/	/	/	/	/	/	/
98	19105105	SRINITHI GAYATHRI.S	/	/	/	/	/	/	/
99	19105106	SRI VIKNESH.S	/	/	/	/	/	/	/
100	19105107	SRIVISHNU.I	/	/	/	/	/	/	/
101	19105108	SUNDARESAN.E	/	/	/	/	/	/	/
102	19105109	SURENDHAR.B	/	/	/	/	/	/	/
103	19105110	SURENDAR KUMAR.S	/	/	/	/	/	/	/
104	19105111	SWATHIGA.G.V	/	/	/	/	/	/	/
105	19105114	THAMBU GANESH	/	/	/	/	/	/	/
106	19105115	THARANI.K	/	/	/	/	/	/	/
107	19105116	THARAN KUMAR.R	/	/	/	/	/	/	/
108	19105117	THEPANRAJ.R	/	/	/	/	/	/	/
109	19105118	UDHAYANITHI.E	/	/	/	/	/	/	/
110	19105119	VENKATESH.G.S	/	/	/	/	/	/	/
111	19105120	VIGNESH.M	/	/	/	/	/	/	/
112	19105121	VINISHA.S	/	/	/	/	/	/	/


Course Coordinator


HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL (Po) Namakkal - 637018



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44, PACHAL, NAMAKKAL, TAMILNADU - 637018

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IN ASSOCIATION WITH

NEW TECHNOLOGY MOBILE SERVICE AND TRAINING INSTITUTE



AICTE Certified Institution (Internship)



An ISO 9001-2015 Certified Institution

This is to certify that Mr/Ms.**ADHISHA A**....., **IN - ECE**.....
has completed the value added course on "**CHIP LEVEL TESTING AND DEBUGGING FOR
SMARTPHONE AND TABLETS**" from 18.05.2022 to 22.05.2022 organized by the Department of Electronics
and Communication Engineering in association with IETE and New Technology Mobile Service and
Training institute, Coimbatore .


Managing Director
(New Technology)


Co-ordinator


HOD ECE


Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44, PACHAL, NAMAKKAL, TAMILNADU - 637018

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IN ASSOCIATION WITH

NEW TECHNOLOGY MOBILE SERVICE AND TRAINING INSTITUTE



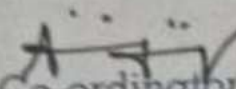
AICTE Certified Institution (Autonomous)

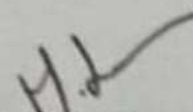


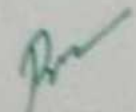
As ISO 9001-2015 Certified Institution

This is to certify that ~~Mr~~/Ms.ALSHWARYA.....K.....M-ECE.....
has completed the value added course on "**CHIP LEVEL TESTING AND DEBUGGING FOR
SMARTPHONE AND TABLETS**" from 18.05.2022 to 22.05.2022 organized by the Department of Electronics
and Communication Engineering in association with IETE and New Technology Mobile Service and
Training institute, Coimbatore.


Managing Director
(New Technology)


Co-ordinator


HOD-ECE


Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44, PACHAL, NAMAKKAL, TAMILNADU - 637018

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IN ASSOCIATION WITH

NEW TECHNOLOGY MOBILE SERVICE AND TRAINING INSTITUTE



AICTE Certified Institution (Internship)



An ISO 9001-2015 Certified Institution

This is to certify that Mr/Ms.LAVANYA..... P.,.....II - ECE.....
has completed the value added course on "CHIP LEVEL TESTING AND DEBUGGING FOR
SMARTPHONE AND TABLETS" from 18.05.2022 to 22.05.2022 organized by the Department of Electronics
and Communication Engineering in association with IETE and New Technology Mobile Service and
Training institute, Coimbatore .


Managing Director
(New Technology)


Co-ordinator


HOD ECE


Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44, PACHAL, NAMAKKAL, TAMILNADU - 637018



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IN ASSOCIATION WITH

NEW TECHNOLOGY MOBILE SERVICE AND TRAINING INSTITUTE



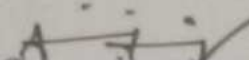
AICTE Certified Institution (Internship)

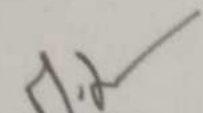


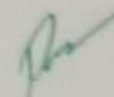
As ISO 9001-2015 Certified Institution

This is to certify that ~~Mr~~/Ms.JEEVITHA.....M., III - ECE.....
has completed the value added course on "CHIP LEVEL TESTING AND DEBUGGING FOR
SMARTPHONE AND TABLETS" from 18.05.2022 to 22.05.2022 organized by the Department of Electronics
and Communication Engineering in association with IETE and New Technology Mobile Service and
Training institute, Coimbatore .


Managing Director
(New Technology)


Co-ordinator


HOD - ECE


Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44, PACHAL, NAMAKKAL, TAMILNADU - 637018

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IN ASSOCIATION WITH

NEW TECHNOLOGY MOBILE SERVICE AND TRAINING INSTITUTE



AICTE Certified Institution (Internship)



An ISO 9001-2015 Certified Institution

This is to certify that Mr/Ms.**LAVANYA**.....**R**.....**II - ECE**.....
has completed the value added course on "**CHIP LEVEL TESTING AND DEBUGGING FOR
SMARTPHONE AND TABLETS**" from 18.05.2022 to 22.05.2022 organized by the Department of Electronics
and Communication Engineering in association with IETE and New Technology Mobile Service and
Training institute, Coimbatore .


Managing Director
(New Technology)


Co-ordinator


HOD-ECE


Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

SMART PHONE TECHNOLOGY



Date: 02.08.2021 – 06.08.2021

Course Incharge: Mr.Ravisankar kanthasamy 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: 26.07.2021

CIRCULAR


It is planned to conduct Five days Value added course on "SMART PHONE TECHNOLOGY" for seventh semester Students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their name to course coordinator Mr.Ravisankar kanthasamy ASP / ECE on or before 30.07.2021. (Spot registration can also be permitted).

Course Co-ordinator:

Mr.Ravisankar kanthasamy ASP / ECE

Copt to:

Notice Board


HOD/ECE
HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL (Po) Namakkal - 637018

COURSE OBJECTIVES

To enable the students to

- understand future trend of smart devices and mobile services.
- know Core technology and components of the smartphones.

UNIT I RECENT TRENDS IN SMART PHONES**15**

Introduction to future trend of smart devices and mobile services based on rankings and products. Three important forecasts, first global telecom terminal market based on mobile devices, base stations, and telecom services provided. Second, a forecast of the global wearable devices, smart watches, smart glasses, fitness bands and other wearable devices. Third, a forecast of the global mobile network equipment base-stations, small cells, core network. Technical application of Smart phones (e.g., Samsung, Apple, Huawei, and OPPO), and global mobile subscription technology (e.g., LTE, GSM, HSPA, CDMA, and TD-SCMA).

UNIT II COMPONENTS OF SMART PHONES**15**

The Smart Devices on the core technology and components of the smartphones (i.e., the Samsung Galaxy Note8 and Apple iPhone X). The state-of-the-art smartphones' camera, battery, CPUs, GPUs, chipsets (e.g., Samsung Exynos Octa 8895, ARM big.LITTLE, Qualcomm MSM8998 Snapdragon 835, Apple A11 Bionic, Kryo 280, Adreno 540, Monsoon, and Mistral) characteristics. Thread based multi-core scheduling and processing, and relations with the smartphone OS (Operating System) Android and iOS. Smart device display technology, shatterproof glass, gorilla glass, oleophobic coating, AMOLED (Active-Matrix Organic Light-Emitting Diode), OLED (Organic Light-Emitting Diode), Super AMOLED, Super AMOLED Plus, HD Super AMOLED, Full HD Super AMOLED, WQHD Super AMOLED, and other display technologies.

TOTAL PERIODS 30**COURSE OUTCOMES**

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

- design the state-of-the-art smart phones camera, battery, CPUs, GPUs, chipsets.
- design the smartphone OS (Operating System) Android and iOS.

TEXT BOOK & MANUALS

1. The Smartphone Society: Technology, Power, and Resistance in the New Gilded Age -Book by Nicole Aschoff.
2. Android Smartphones Made Easy: The Beginners Guide - Book by James Bernstein

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
21ECVC701 SMART PHONE TECHNOLOGY
ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	2/9/21	3/9/21	3/9/21	4/9/21	5/9/21	6/9/21	7/9/21
1	18105001	ABINASH.S	/	/	/	/	/	/	/
2	18105002	ABINAYA.R	/	/	/	/	/	/	/
3	18105003	ABISHEK.R	/	/	/	/	/	/	/
4	18105004	AKALYA.R	/	/	/	/	/	/	/
5	18105005	ANBARASAN.A	/	/	/	/	/	/	/
6	18105007	ARAVIND LAXMAN.J	/	/	/	/	/	/	/
7	18105008	ARAVIND.G	/	/	/	/	/	/	/
8	18105010	CHANDRU.L	/	/	/	/	/	/	/
9	18105011	DHANAVARSHINI.V	/	/	/	/	/	/	/
10	18105012	DHIVYA MANOKARI.V	/	/	/	/	/	/	/
11	18105013	DHIVYASHREE.K	/	/	/	/	/	/	/
12	18105014	DINAHARAN FUEMENT.P	/	/	/	/	/	/	/
13	18105016	GEETHA. G	/	/	/	/	/	/	/
14	18105017	GNANAMOORTHY.V	/	/	/	/	/	/	/
15	18105019	GOWRI.A	/	/	/	/	/	/	/
16	18105020	HARIPRASAD.M	/	/	/	/	/	/	/
17	18105021	JEEVA.P	/	/	/	/	/	/	/
18	18105022	JEEVANANTHAM.B	/	/	/	/	/	/	/
19	18105023	KAVI PRIYA.M	/	/	/	/	/	/	/
20	18105024	KEERTHANA.P	/	/	/	/	/	/	/
21	18105025	KEERTHANA.S	/	/	/	/	/	/	/
22	18105026	KEERTHANA.S	/	/	/	/	/	/	/
23	18105027	KIRUBAKAR.C	/	/	/	/	/	/	/
24	18105028	MERCY.J	/	/	/	/	/	/	/
25	18105029	MOHAMED SHIMAK.M	/	/	/	/	/	/	/
26	18105030	MOHANRAJ.S	/	/	/	/	/	/	/
27	18105031	NANDHINI. R	/	/	/	/	/	/	/
28	18105032	NAVALADIRAJA.P	/	/	/	/	/	/	/
29	18105033	NAVEEN.U	/	/	/	/	/	/	/
30	18105034	NAVEENA.M	/	/	/	/	/	/	/
31	18105035	NAVEENKUMAR.P	/	/	/	/	/	/	/
32	18105036	NISHA.P	/	/	/	/	/	/	/
33	18105037	NITHYA NANDHITHAA. R	/	/	/	/	/	/	/
34	18105038	NITHYA.N	/	/	/	/	/	/	/
35	18105039	PAVEENRAJ.M	/	/	/	/	/	/	/
36	18105040	PRABHA.R	/	/	/	/	/	/	/
37	18105041	PRAGADEESH M	/	/	/	/	/	/	/
38	18105042	PRAGADEESHWARAN M	/	/	/	/	/	/	/
39	18105043	PRAKADEESWARAN S	/	/	/	/	/	/	/
40	18105045	PRIYANKA S	/	/	/	/	/	/	/
41	18105046	PUSHPA P	/	/	/	/	/	/	/
42	18105047	RAJAGURU J	/	/	/	/	/	/	/
43	18105048	RAJALAKSHMI V	/	/	/	/	/	/	/
44	18105049	RAJKUMAR S	/	/	/	/	/	/	/
45	18105050	RAMKUMAR R V	/	/	/	/	/	/	/

46	18105051	RATHESH R	/	/	/	/	/	/	/
47	18105052	RAVI M	/	/	/	/	/	/	/
48	18105053	RISHIKA V	/	/	/	/	/	/	/
49	18105054	RUTH JENIFER M	/	/	/	/	/	/	/
50	18105055	SANDHIYA G	/	/	/	/	/	/	/
51	18105056	SANTHOSH KUMAR S	/	/	/	/	/	/	/
52	18105058	SATHYA NARAYANAN S	/	/	/	/	/	/	/
53	18105059	SATHYA R	/	/	/	/	/	/	/
54	18105060	SINDU PAIRAVI S	/	/	/	/	/	/	/
55	18105061	SINDHU K	/	/	/	/	/	/	/
56	18105062	SIVANESAN T S	/	/	/	/	/	/	/
57	18105065	SRI VAISHNAVI P	/	/	/	/	/	/	/
58	18105066	SRI PRIYADHARSHINI S	/	/	/	/	/	/	/
59	18105067	SUDARSUN PRASSANA R	/	/	/	/	/	/	/
60	18105068	SUGANYA K V	/	/	/	/	/	/	/
61	18105069	SUPRAJA G	/	/	/	/	/	/	/
62	18105070	SURESHRAJ S	/	/	/	/	/	/	/
63	18105071	SURYAPRAKASH P	/	/	/	/	/	/	/
64	18105072	TAMIL SELVAN V	/	/	/	/	/	/	/
65	18105073	TAMILMANI E	/	/	/	/	/	/	/
66	18105076	THIRUPUGHALVAN A	/	/	/	/	/	/	/
67	18105077	THISALI S	/	/	/	/	/	/	/
68	18105078	VELAYUTHAM P	/	/	/	/	/	/	/
69	18105079	VENKATESH PRASANTH	/	/	/	/	/	/	/
70	18105080	VENKATESH S	/	/	/	/	/	/	/
71	18105081	VINODHARANI K	/	/	/	/	/	/	/
72	18105083	YUTHAN N	/	/	/	/	/	/	/
73	18105084	YUVABHARATHI M V	/	/	/	/	/	/	/
74	18105302	SUSHMITHA S	/	/	/	/	/	/	/
75	18105303	RAMACHANDRA B	/	/	/	/	/	/	/
76	18105304	SUMITHRA V	/	/	/	/	/	/	/

Devi

Course Coordinator

[Signature]
HEAD OF THE DEPARTMENT
 Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
 NH-7 PACHAL (Po) Namakkal - 637018



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

SINDHU.K

from Paavai Engineering College studying B.E ECE has
successfully completed **SMART PHONE TECHNOLOGY**
course from **02.08.2021 to 06.08.2021**

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

JEEVA.P

from Paavai Engineering College studying B.E ECE has
successfully completed **SMART PHONE TECHNOLOGY**
course from **02.08.2021 to 06.08.2021**

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

MERCY.J

from Paavai Engineering College studying B.E ECE has
successfully completed **SMART PHONE TECHNOLOGY**
course from **02.08.2021 to 06.08.2021**

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

RAVI.M

from Paavai Engineering College studying B.E ECE has
successfully completed **SMART PHONE TECHNOLOGY**
course from **02.08.2021 to 06.08.2021**

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

SATHYA.R

from Paavai Engineering College studying B.E ECE has
successfully completed **SMART PHONE TECHNOLOGY**
course from **02.08.2021 to 06.08.2021**

COURSE COORDINATOR

HOD

PRINCIPAL

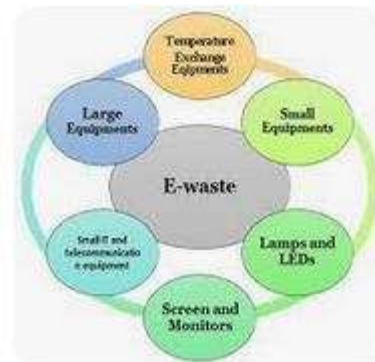
PAAVAI ENGINEERING COLLEGE, PACHAL-637 018

(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

E-WASTE MANAGEMENT SYSTEMS



Date: 18.05.2022 - 22.05.2022

Course Incharge: Mr. G. Nandha kumar 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: 11.05.2022

CIRCULAR

It is planned to conduct Five days Value added course on “E-WASTE MANAGEMENT SYSTEMS” for Eighth semester Students from 18.05.2022 to 22.05.2022. The interested students are asked to enroll their name to course coordinator Mr.G.Nandhakumar ASP / ECE on or before 16.05.2022. (Spot registration can also be permitted).

Course Co-ordinator:

Mr.G.Nandhakumar ASP / ECE


HOD / ECE

Copt to:

Notice Board

HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL (Po) Namakkal - 637018

COURSE OBJECTIVES

To enable the students to

- learn various sources of e-waste
- understand the basics recycling.

UNIT- I E- WASTE**15**

E-waste growth- An overview, hazards of E-waste, what is E-waste, digital dump yard, how to minimize E-waste, Hazardous substances waste Electrical and Electronic Equipment, characteristics of pollutants, batteries, electrical and electronic components, plastic and flame retardants, circuit boards, pollutants in waste electrical and electronic equipment.

UNIT-II E-WASTE RECYCLING**15**

E-Waste Recycling Technologies for recovery of resources from electronic waste, resource recovery potential of e-waste, steps in recycling and recovery of materials-mechanical processing, technologies for recovery of materials.

TOTAL PERIODS 30**COURSE OUTCOMES**

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

- understand the concept of e-waste
- gain experience with recycling e waste

TEXT BOOK & MANUALS

1. E-Waste Managing the Digital Dump Yard, Edited by Vishakha Munshi, ICFAI University Press (Chapter 1)
2. E-waste: Implications, Regulations and Management in India and Current Global Best Practices, Edited by Rakesh Johri, The Energy and Resources Institute, New Delhi(Chapter 12)

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
21ECVC801 E-WASTE MANAGEMENT SYSTEMS
ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	18.5.22	19.5.22	20.5.22	21.5.22	22.5.22	23.5.22
1	18105001	ABINASH.S	/	/	/	/	/	/
2	18105002	ABINAYA.R	/	/	/	/	/	/
3	18105003	ABISHEK.R	/	/	/	/	/	/
4	18105004	AKALYA.R	/	/	/	/	/	/
5	18105005	ANBARASAN.A	/	/	/	/	/	/
6	18105007	ARAVIND LAXMAN.J	/	/	/	/	/	/
7	18105008	ARAVIND.G	/	/	/	/	/	/
8	18105010	CHANDRU.L	/	/	/	/	/	/
9	18105011	DHANAVARSHINI.V	/	/	/	/	/	/
10	18105012	DHIVYA MANOKARI.V	/	/	/	/	/	/
11	18105013	DHIVYASHREE.K	/	/	/	/	/	/
12	18105014	DINAHARAN FUEMENT.P	/	/	/	/	/	/
13	18105016	GEETHA. G	/	/	/	/	/	/
14	18105017	GNANAMOORTHY.V	/	/	/	/	/	/
15	18105019	GOWRI.A	/	/	/	/	/	/
16	18105020	HARIPRASAD.M	/	/	/	/	/	/
17	18105021	JEEVA.P	/	/	/	/	/	/
18	18105022	JEEVANANTHAM.B	/	/	/	/	/	/
19	18105023	KAVI PRIYA.M	/	/	/	/	/	/
20	18105024	KEERTHANA.P	/	/	/	/	/	/
21	18105025	KEERTHANA.S	/	/	/	/	/	/
22	18105026	KEERTHANA.S	/	/	/	/	/	/
23	18105027	KIRUBAKAR.C	/	/	/	/	/	/
24	18105028	MERCY.J	/	/	/	/	/	/
25	18105029	MOHAMED SHIMAK.M	/	/	/	/	/	/
26	18105030	MOHANRAJ.S	/	/	/	/	/	/
27	18105031	NANDHINI. R	/	/	/	/	/	/
28	18105032	NAVALADIRAJA.P	/	/	/	/	/	/
29	18105033	NAVEEN.U	/	/	/	/	/	/
30	18105034	NAVEENA.M	/	/	/	/	/	/
31	18105035	NAVEENKUMAR.P	/	/	/	/	/	/
32	18105036	NISHA.P	/	/	/	/	/	/
33	18105037	NITHYA NANDHITHAA. R	/	/	/	/	/	/
34	18105038	NITHYA.N	/	/	/	/	/	/
35	18105039	PAVEENRAJ.M	/	/	/	/	/	/
36	18105040	PRABHA.R	/	/	/	/	/	/
37	18105041	PRAGADEESH M	/	/	/	/	/	/
38	18105042	PRAGADEESHWARAN M	/	/	/	/	/	/
39	18105043	PRAKADEESWARAN S	/	/	/	/	/	/
40	18105045	PRIYANKA S	/	/	/	/	/	/
41	18105046	PUSHPA P	/	/	/	/	/	/
42	18105047	RAJAGURU J	/	/	/	/	/	/
43	18105048	RAJALAKSHMI V	/	/	/	/	/	/
44	18105049	RAJKUMAR S	/	/	/	/	/	/
45	18105050	RAMKUMAR R V	/	/	/	/	/	/

46	18105051	RATHESH R	/	/	/	/	/	/	/
47	18105052	RAVI M	/	/	/	/	/	/	/
48	18105053	RISHIKA V	/	/	/	/	/	/	/
49	18105054	RUTH JENIFER M	/	/	/	/	/	/	/
50	18105055	SANDHIYA G	/	/	/	/	/	/	/
51	18105056	SANTHOSH KUMAR S	/	/	/	/	/	/	/
52	18105058	SATHYA NARAYANAN S	/	/	/	/	/	/	/
53	18105059	SATHYA R	/	/	/	/	/	/	/
54	18105060	SINDU PAIRAVI S	/	/	/	/	/	/	/
55	18105061	SINDHU K	/	/	/	/	/	/	/
56	18105062	SIVANESAN T S	/	/	/	/	/	/	/
57	18105065	SRI VAISHNAVI P	/	/	/	/	/	/	/
58	18105066	SRI PRIYADHARSHINI S	/	/	/	/	/	/	/
59	18105067	SUDARSUN PRASSANA R	/	/	/	/	/	/	/
60	18105068	SUGANYA K V	/	/	/	/	/	/	/
61	18105069	SUPRAJA G	/	/	/	/	/	/	/
62	18105070	SURESHRAJ S	/	/	/	/	/	/	/
63	18105071	SURYAPRAKASH P	/	/	/	/	/	/	/
64	18105072	TAMIL SELVAN V	/	/	/	/	/	/	/
65	18105073	TAMILMANI E	/	/	/	/	/	/	/
66	18105076	THIRUPUGHALVAN A	/	/	/	/	/	/	/
67	18105077	THISALI S	/	/	/	/	/	/	/
68	18105078	VELAYUTHAM P	/	/	/	/	/	/	/
69	18105079	VENKATESH PRASANTH	/	/	/	/	/	/	/
70	18105080	VENKATESH S	/	/	/	/	/	/	/
71	18105081	VINODHARANI K	/	/	/	/	/	/	/
72	18105083	YUTHAN N	/	/	/	/	/	/	/
73	18105084	YUVABHARATHI M V	/	/	/	/	/	/	/
74	18105302	SUSHMITHA S	/	/	/	/	/	/	/
75	18105303	RAMACHANDRA B	/	/	/	/	/	/	/
76	18105304	SUMITHRA V	/	/	/	/	/	/	/

G.N.L.T.
Course Coordinator

HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL (Po) Namakkal - 637018



PAAVAI ENGINEERING COLLEGE

(Autonomous)


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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

RAVI.M

from Paavai Engineering College studying B.E ECE has
successfully completed **E-WASTE MANAGEMENT SYSTEMS**
course from **18.05.2022 to 22.05.2022**



COURSE COORDINATOR



HOD



PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)


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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

SINDHU.K

from Paavai Engineering College studying B.E ECE has
successfully completed **E-WASTE MANAGEMENT SYSTEMS**
course from **18.05.2022 to 22.05.2022**



COURSE COORDINATOR



HOD



PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

SUPRAJA.G

from Paavai Engineering College studying B.E ECE has
successfully completed **E-WASTE MANAGEMENT SYSTEMS**
course from **18.05.2022 to 22.05.2022**



COURSE COORDINATOR



HOD



PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

THISALI.S

from Paavai Engineering College studying B.E ECE has
successfully completed **E-WASTE MANAGEMENT SYSTEMS**
course from **18.05.2022 to 22.05.2022**

COURSE COORDINATOR

HOD

PRINCIPAL



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

PUSHPA.P

from Paavai Engineering College studying B.E ECE has
successfully completed **E-WASTE MANAGEMENT SYSTEMS**
course from **18.05.2022 to 22.05.2022**

COURSE COORDINATOR

HOD

PRINCIPAL

PAAVAI ENGINEERING COLLEGE,PACHAL-637 018

(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

PANDEMIC PERIOD EDUCATION



Date: 02.08.2021 – 06.08.2021

Course Incharge: Dr. ANGAYARKANNAI N , ASP / ECE

Venue: M215



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: 26.07.2021

CIRCULAR


It is planned to conduct Five days Value added course on "PANDEMIC PERIOD EDUCATION" for third semester M.E. Communication systems Student from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their name to course coordinator Dr.Angayarkanni, Professor / ECE on or before 30.07.2021. (Spot registration can also be permitted).

Course Co-ordinator:

Dr. Angayarkanni Professor / ECE

Copt to:

Notice Board


HOD / ECE
HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL (Po) Namakkal - 637018

21PCOVC101

PANDEMIC PERIOD EDUCATION

COURSE OBJECTIVES

To enable the students to

- understand online modes of learning
- identify the resources for online learning

UNIT I ONLINE TEACHING-LEARNING IN HIGHER EDUCATION

15

Online teaching-learning modes-Collaborative Learning-Web 2.0 technologies-Emergency Online learning Face-to-face learning.

UNIT II RESOURCES FOR ONLINE TEACHING LEARNING

15

Interactive learning environments-Teaching and learning strategies-Post-secondary education-Annotated resources for online learning.

TOTAL PERIODS 30

COURSE OUTCOMES

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

- know the effective learning through online modes
- utilize the appropriate tool for learning

TEXT BOOK & MANUALS

1. Education in a post-COVID world: Nine ideas for public action International Commission on the Futures of Education, Published in 2020 by the United Nations Educational, Scientific and Cultural Organization, 7, place de Fontenoy, 75352 Paris 07 SP, France
2. Supporting the continuation of teaching and learning during the COVID-19 Pandemic Annotated resources for online learning, OECD 2020.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
21PCOVC301-Pandemic Period Education
ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	02/07/21	03/07/21	04/07/21	05/07/21	06/07/21	07/07/21
1	20303001	KANIGA B	1	1	1	1	1	1


Course Coordinator


HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL (Po) Namakkal - 637018



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

KANIGA.B

from Paavai Engineering College studying B.E ECE has
successfully completed **PANDEMIC PERIOD EDUCATION**
course from 02.08.2021 to 06.08.2021

COURSE COORDINATOR

HOD

PRINCIPAL

Activate Windows

Go to Settings to activate Windows

PAAVAI ENGINEERING COLLEGE,PACHAL-637 018

(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

LITERATURE SURVEY FOR RESEARCH



Date: 18.05.2022 – 22.05.2022

Course Incharge: Dr. T.LOGANAYAGI , ASP / ECE

Venue: M214



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: 11.05.2022

CIRCULAR

It is planned to conduct Five days Value added course on "LITERATURE SURVEY FOR RESEARCH" for fourth semester M.E. Communication systems Student from 18.05.2022 to 22.05.2022. The interested students are asked to enroll their name to course coordinator Dr. T. Loganayagi ASP / ECE on or before 16.05.2022. (Spot registration can also be permitted).

Course Co-ordinator:

Dr. T. Loganayagi ASP / ECE

Copt to:

Notice Board


HOD/ECE

HEAD OF THE DEPARTMENT
Electronics & Communication Engg
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL (Po) Namakkal - 637018

COURSE OBJECTIVES

To enable the students to

- identify the purpose of the literature review in the research process.
- select information sources appropriate to the information needed and write your literature review.

UNIT I INTRODUCTION TO LITERATURE REVIEW**15**

Introduction- Types of Literature Reviews -what is a literature review-Information Cycle- Topic Selection.

UNIT II INFORMATION SOURCES**15**

Introduction - Where to find the Literature- finding the Sources- Advanced Searching- Evaluating the Sources- Documenting the Sources- Synthesizing the Sources- Writing the Literature Review.

TOTAL PERIODS 30**COURSE OUTCOMES**

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

- identify the purpose of the literature review and recognize how information is created and how it evolves over time
- critically evaluate the sources of the information you have found and evaluate the content of selected material for your purposes and begin to write your literature review.

TEXT BOOK & MANUALS

1. Jill K. Jesson with Lydia Matheson and Fiona M. Lacey, "Doing your literature review: traditional and systematic techniques", Los Angeles, Calif. : SAGE, 2011.
2. Get Lit: The Literature Review / Texas A&M Writing Centre.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
21PCOVC401 Literature Survey for Research
ATTENDANCE SHEET

S.NO	REGISTER NUMBER	NAME	18/5/22	19/5/22	20/5/22	21/5/22	22/5/22
1	20303001	KANIGA B	1	1	1	1	1

T. Jayaraj
Course Coordinator

[Signature]
HEAD OF THE DEPARTMENT
 Electronics & Communication Engg
 PAAVAI ENGINEERING COLLEGE
 NH-7 PACHAL (Po) Namakkal - 637048



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

CERTIFICATE OF COMPLETION

This Certificate is Proudly Presented to:

KANIGA.B

from Paavai Engineering College studying B.E ECE has
successfully completed **LITERATURE SURVEY FOR RESEARCH**
course from 18.05.2022 to 22.05.2022

COURSE COORDINATOR

HOD

PRINCIPAL

**PAAVAI ENGINEERING COLLEGE, NAMAKKAL – 637 018
(AUTONOMOUS)**

ACADEMIC YEAR 2021-2022

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

(Common to UG & PG)

VALUE ADDED COURSE – CURRICULUM

S.NO	YEAR/SEM	COURSE CODE	COURSE TITLE
1	II/III	21EEVC301	MATLAB PROGRAMMING
2	II/IV	21EEVC401	WINDING OF INDUCTION MOTOR
3	III/V	21EEVC501	AUTOMATED TEST ENGINEERING
4	III/VI	21EEVC601	ADVANCED DIGITAL DESIGN WITH FGPA
5	IV/VII	21EEVC701	IOT FUNDAMENTALS
6	IV/VIII	21EEVC801	INTELLUCTUAL PROPERTY RIGHTS


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)

NAMAKKAL -637 018

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

VALUE ADDED COURSE

FOR

ADDITIONAL SKILL DEVELOPMENT OF THE STUDENTS

(UG & PG)

MATLAB PROGRAMMING

COURSE CONTENT:

Key features,

Workspace,

Basic commands,

Writing Script file,

Subsystem Design,

Logic and flow control

Course Duration: 02.08.2021 to 06.08.2021

Course Coordinator: Dr.A.Rathinam ASP/EEE

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE : 17.07.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "MATLAB PROGRAMMING" for Third semester students from 02.08.2021 to 06.08.2021. The interested UG and PG students are asked to enroll their names to the course coordinator Dr.A.Rathinam ASP/EEE on or before 28.07.2021.

Course Co-coordinator: 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

- Familiarization of the syntax, semantics, data-types and library functions of numerical computing languages such as MATLAB.
- 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 program development environment to enable their usage in the higher learning.
- Implement simple mathematical functions/equations in numerical computing environment such as MATLAB

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 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER: II/III

NAME OF THE COURSE: 21EEVC301- MATLAB PROGRAMMING

S. No	Register No	Name of the Student	2.8.21	3.8.21	4.8.21	5.8.21	6.8.21
1	20106001	ARUN.A	/	/	/	/	/
2	20106002	ATHIKMOHAMMED.S	/	/	/	/	/
3	20106003	BARANIKARTHICK.T	/	/	/	/	/
4	20106004	BOOBALAN.S	/	/	/	/	/
5	20106005	DHAMOTHARAN.G	/	/	/	/	/
6	20106006	DHATCHANAMOORTHIL.V	/	/	/	/	/
7	20106007	DWARAKEESH.N.K	/	/	/	/	/
8	20106008	GOWTHAM.S.N	/	/	/	/	/
9	20106009	INIYAA.M	/	/	/	/	/
10	20106010	KALAISELVAN.P	/	/	/	/	/
11	20106012	KARANKUMAR.S	/	/	/	/	/
12	20106013	KAVINESAN.R	a	a	a	a	a
13	20106014	KAVINTH.S	/	/	/	/	/
14	20106015	KAVIYARASU.C	/	/	/	/	/
15	20106017	KOMARA PRASAD	/	/	/	/	/
16	20106018	LOGANATHAN.T	/	/	/	/	/
17	20106019	MANIKANDAN.B	/	/	/	/	/
18	20106021	MERLIN.J	/	/	/	/	/
19	20106022	NAVEENKUMAR.V	/	/	/	/	/
20	20106023	PARTHIBAN.K	/	/	/	/	/
21	20106024	PRIYADHARSHINI.S	/	/	/	/	/
22	20106025	RAHUL.M	/	/	/	/	/
23	20106026	RAJIDHARAN.M	/	/	/	/	/
24	20106027	RAVIKUMAR.G	/	/	/	/	/
25	20106028	SANJAL.R	/	/	/	/	/
26	20106029	SANJAL.R (D.O.J:05.01.21)	/	/	/	/	/
27	20106030	SANJAI.RAJ.A	/	/	/	/	/
28	20106031	SANJAY.S	a	a	a	a	a
29	20106034	SARANKANTH.M	/	/	/	/	/
30	20106035	SHARMILA.S	/	/	/	/	/
31	20106036	SIVARAJ.S	/	/	/	/	/
32	20106037	SRIMANIKANDAN.S	/	/	/	/	/
33	20106038	SRIRAM.J	/	/	/	/	/
34	20106039	SUGANESH.R	/	/	/	/	/
35	20106040	SURENDIRAN.A	/	/	/	/	/
36	20106041	VASANTHAKUMAR.K	/	/	/	/	/
37	20106042	VEERASAMY .K	/	/	/	/	/
38	20106043	VIGNESH.P	/	/	/	/	/
39	20106044	VISWABHARATH.V	/	/	/	/	/
40	20106045	YUVASHREE.S	/	/	/	/	/

21/4/21
Course Coordinator


HoD/EEE
Dr. G. BALASUBRAMANIAN
Professor & HOD
Department of Electrical and Electronics Engineering
Paavai Engineering college
Namakkal - 637014



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

ARUN A

of Paavai Engineering College, studying in Second Year has successfully completed the MATLAB PROGRAMMING course from 2/08/2021 to 06/08/2021.

2145

Course Coordinator

[Signature]

HCD

[Signature]

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

SRIRAM J

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

PROGRAMMING course from 2/08/2021 to 06/08/2021.

21450

Course Coordinator

[Signature]

HOD

[Signature]

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

VIGNESH P

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

PROGRAMMING course from 2/08/2021 to 06/08/2021:

214-P

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

MERLIN J

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

PROGRAMMING course from 2/08/2021 to 06/08/2021.

Signature

Course Coordinator

Signature

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

SUGANESH R

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

PROGRAMMING course from 2/08/2021 to 06/08/2021.

21/4/21

Course Coordinator

[Signature]

HOD

[Signature]

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)**

AUTOMATED TEST ENGINEERING

COURSE CONTENT:
PRINTED CIRCUIT BOARD- TYPES, LAYERS, TECHNOLOGY
PCBA TROUBLESHOOT METHODS
AUTOMATED TEST TECHNIQUES

Course Duration: 02.08.2021 to 06.08.2021

Course Coordinator: Dr.D.Boopathi AP/EEE

**PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL**

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE : 17.07.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "AUTOMATED TEST ENGINEERING" for Fifth semester students from 02.08.2021 to 06.08.2021. The interested UG and PG students are asked to enroll their names to the course coordinator Dr.D.Boopathi AP/EEE on or before 28.07.2021.

Course Co-coordinator: Dr.D.Boopathi AP/EEE


Dr. G. CHOD/EEE M.E. Ph.D.,
Professor & HOD
Department of Electrical and Electronics Engineering
Paavai Engineering college
Namakka - 637018

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COURSE OBJECTIVES

To enable the students to

- Develop the skills in PCB designing concept.
- Know about PCB trouble shooting methods
- Have an idea on automated test techniques.

UNIT I INTRODUCTION 10

Printed Circuit Board (PCB)-types of PCB-multilayer PCBs-Plat Plated though Hole Technology - Surface Mount Technology (SMT) – Ball Grid Array (BGA) Technology – PCB Bare board manufacturing process – Bare board testing– PCB Inspection methods – Visual, Optical and X-ray Inspection systems– Electrical tests in PCBs

UNIT II PCBA TROUBLESHOOT METHODS 10

PCB assembly troubleshoot – locating faults & Manual troubleshoot – Online & Offline troubleshoot B.TECH (EEE) Page 122 – Fault types and causes in circuits – Tools and instruments for usage – DMM(Digital Multimeter) – CRO (Cathode Ray Oscilloscope) - Logic probes – Logic pulser – Logic Analyzer

UNIT III AUTOMATED TEST TECHNIQUES 10

Automated Test Techniques – Various parameters – AC – DC Parametric testing– QA testing– Identify and troubleshoot the failures of parameters– Environmental, Electrical Standards & Requirements for IC testing – In-circuit Testing methodologies – Back Driving – functional test– Digital, Analog and Mixed Signal ICs– Guarding Technique – VI Trace Technique of components – Boundary Scan Test for components on board – In-circuit measurement of passive components – Kelvin measurement – Test Fixtures – Types of Test Fixtures – Bed of Nails Fixtures – Card Edge Test Fixtures – Reverse Engg to rebuild the Schematic Diagram using ATE and Software.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Know the concepts of circuit design and importance of PCB designing
- explain the different trouble shooting methods.
- Familiarize with various test techniques

TEXT BOOKS

1. S R Sabapathi, “Test Engineering for Electronic Hardware”, Tata McGraw Hill, First Edition, 2011.

REFERENCES

1. Floyd , “The Fundamentals of Digital Semiconductor Testing”, Pearson Education India, 2005

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET


YEAR/SEMESTER: III/V

NAME OF THE COURSE: 21EEVC501- AUTOMATED TEST ENGINEERING

S. No	Register No	Name of the Student	2.8.21	3.8.21	4.8.21	5.8.21	6.8.21
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	/	/	/	/	/
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	a	a	a	a	a
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	a	a	a	a	a
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	a	a	a	a	a
46	19106050	PRIYA.P	/	/	/	/	/
47	19106051	PRIYAMKUMAR.A	/	/	/	/	/
48	19106052	RAJA.M	/	/	/	/	/
49	19106053	RHISHIY.S	a	a	a	a	a
50	19106054	RISHEEBA.M	/	/	/	/	/
51	19106055	RITHIKGURU.M	/	/	/	/	/
52	19106056	SAILESHWARAN.S	a	a	a	a	a

53	19106057	SANJAY.D	/	/	/	/	/
54	19106058	SANJAY.R	/	/	/	/	/
55	19106059	SANTHOSH.M	/	/	/	/	/
56	19106060	SANTHOSH.N	/	/	/	/	/
57	19106061	SANTHOSHIKUMAR.R	/	/	/	/	/
58	19106062	SANTHOSHIPANDIYAN.A	/	/	/	/	/
59	19106063	SARAVANAKUMAR.M	/	/	/	/	/
60	19106064	SATHISHKUMAR.R	/	/	/	/	/
61	19106065	SATHISHKUMAR.S	/	/	/	/	/
62	19106066	SETTU.M	/	/	/	/	/
63	19106067	SHATHAJ.M	/	/	/	/	/
64	19106068	SHEDHUPATHI.M	/	/	/	/	/
65	19106069	SNEGA.U	/	/	/	/	/
66	19106070	SRIRAM.N	/	/	/	/	/
67	19106071	SUBASH.M	/	/	/	/	/
68	19106072	SUBASH.N	/	/	/	/	/
69	19106073	SURIYA.K	/	/	/	/	/
70	19106075	TAMILARASAN.P	/	/	/	/	/
71	19106076	VAISA.S	/	/	/	/	/
72	19106077	VASANTH.K	/	/	/	/	/
73	19106078	VENGATRAMAN.S	/	/	/	/	/
74	19106079	VETRIVEL.M	/	/	/	/	/
75	19106080	VIGNESH.G	/	/	/	/	/
76	19106081	VISHNUPRADAP.P	/	/	/	/	/
77	19106301	KARTHICK.M	/	/	/	/	/
78	19106303	KAVINKUMAR	/	/	/	/	/
79	19106304	MURUGAPERUMAL.S	/	/	/	/	/


Course Coordinator


HOD/EEE
S. S. LAJI M.E.,
Professor & HOD
Department of Electrical and Electronics Engg.
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

BASKAR P

of Paavai Engineering College, studying in Third Year has successfully completed the AUTOMATED
TEST ENGINEERING course from 2/08/2021 to 06/08/2021.

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

ELAKIYA G

of Paavai Engineering College, studying in Third Year has successfully completed the AUTOMATED

TEST ENGINEERING course from 2/03/2021 to 06/08/2021.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachai, Naniakkal - 637018

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

MOUNISH M

of Paavai Engineering College, studying in Thired Year has successfully completed the AUTOMATED

TEST ENGINEERING course from 2/08/2021 to 06/08/2021.

Course Coordinato:

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 Third Year has successfully completed the AUTOMATED

TEST ENGINEERING course from 2/08/2021 to 06/08/2021.

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

JANANI U

of Paavai Engineering College, studying in Third Year has successfully completed the AUTOMATED

TEST ENGINEERING course from 2/08/2021 to 06/08/2021.

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)**

IOT FUNDAMENTALS

COURSE CONTENT:

*General overview of the Future Skills sub-sector, Evolution of IoT and the trends, Impact of IoT on businesses and society, Existing IoT use cases and applications across industries
Security and privacy risks, analyze security risks, Technologies and methods that mitigate security, Privacy standards and regulations, Social and privacy impacts
IoT use case development, Need and Goals for IoT solution, Adoption of IoT solutions, Planning for IoT Solution: Evaluate costs, competition, technology challenges and internal resource considerations, Need for stakeholder buy-in*

Course Duration: 02.08.2021 to 06.08.2021

Course Coordinator: Dr.S.Jagatheesan ASP/EEE

**PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
DATE : 17.07.2021**

CIRCULAR

It is planned to conduct Five Days Value Added Course on " IOT FUNDAMENTALS" for Eighth semester students from 02.08.2021 to 06.08.2021. The interested UG and PG students are asked to enroll their names to the course coordinator Dr.S.Jagatheesan ASP/EEE on or before 28.07.2021.

Course Co-coordinator: Dr.S.Jagatheesan ASP/EEE


HOD/EEE

Copy to:
Notice board.

Dr. G. BALAJI, M.E., Ph.D.,
Professor & HOD
Department of Electrical and Electronics Engineering
Paavai Engineering College
Namakkal - 637 019

COURSE OBJECTIVES

To enable the students to

- provide knowledge about IoT basics
- know about security and privacy in IoT.
- Understand the solutions provided by IoT.

UNIT I INTRODUCTION**10**

IT-ITeS/BPM Industry – An Introduction, the relevance of the IT-ITeS sector, Future Skills – An Introduction, General overview of the Future Skills sub-sector. Evolution of IoT and the trends, Impact of IoT on businesses and society, Existing IoT use cases and applications across industries.

UNIT II IOT SECURITY AND PRIVACY**10**

Security and privacy risks, analyze security risks, Technologies and methods that mitigate security, Privacy standards and regulations, Social and privacy impacts

UNIT III IOT SOLUTIONS**10**

IoT use case development, Need and Goals for IoT solution, Adoption of IoT solutions, Planning for IoT Solution: Evaluate costs, competition, technology challenges and internal resource considerations, Need for stakeholder buy-in

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

At the end this course, students will be able to

- explain about IoT fundamentals.
- Describe about the technologies and methods of IoT.
- Describe the planning for solution based system.

TEXT BOOKS

1. Arshdeep Bahga, Vijay Madisetti, "Internet of Things: A hands-on Approach", University Press, 2015.

REFERENCES

1. Claire Rowland, Elizabeth Goodman, Martin Charlier, Ann Light, Algreed Lui," Designing Connected Products: UX for the consumer internet of things", O'Reilly, (1 st edition),2015

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER: IV/VII

NAME OF THE COURSE: 21EEVC701-IOT FUNDAMENTALS

S. No	Register No	Name of the Student	2.8.21	3.8.21	4.8.21	5.8.21	6.8.21
1	18106001	AADHI SHANKARAR.C	1	1	1	1	1
2	18106002	AARTHY.K	1	1	1	1	1
3	18106003	AGATHIYAN.P	1	1	1	1	1
4	18106004	AKASH.K	1	1	1	1	1
5	18106005	ANBARASAN.P	1	1	1	1	1
6	18106006	ANJALIKUMARI	1	1	1	1	1
7	18106007	ARAVIND.R	1	1	1	1	1
8	18106008	ARAVINTH.I	1	1	1	1	1
9	18106009	ARUNPRIYA.M	1	1	1	1	1
10	18106010	BALAMURUGAN.M	1	1	1	1	1
11	18106011	CHOWDHRY.M	1	1	1	1	1
12	18106012	DHARANI.A	1	1	1	1	1
13	18106013	DINESH KUMAR.S	1	1	1	1	1
14	18106014	DURGA DEEPAN.C	1	1	1	1	1
15	18106015	EZHILANAND.S	a	a	a	a	a
16	18106016	GAUTHAM SRIRAM.R.S	1	1	1	1	1
17	18106017	GAYATHRI.M	1	1	1	1	1
18	18106018	GOKULRAJ.V	1	1	1	1	1
19	18106019	GOWSALYA.R	1	1	1	1	1
20	18106020	GOWTHAM.M	1	1	1	1	1
21	18106021	HEMAPRIYA.S	1	1	1	1	1
22	18106022	IDHAYAKARAN.G	a	a	a	a	a
23	18106023	JUJENDHIRA SUKKAL.V	1	1	1	1	1
24	18106024	KAMALESH.S	1	1	1	1	1
25	18106025	KARPAGAM.V	a	a	a	a	a
26	18106026	KAWIN.T	1	1	1	1	1
27	18106027	KOKILAVANI.V	1	1	1	1	1
28	18106028	KOWSIKA.S	1	1	1	1	1
29	18106029	MOGILADEVI.R	1	1	1	1	1
30	18106030	MUGHILVENDHAN.B	1	1	1	1	1

31	18106031	NAVEEN.S	/	/	/	/	/
32	18106032	PADMAPRIYA.S	/	/	/	/	/
33	18106033	PRABHA.S	/	/	/	/	/
34	18106034	PRAGADISHWARAN.S	a	a	a	a	a
35	18106035	PRAGATHEESH.S	/	/	/	/	/
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	/	/	/	/	/
46	18106047	SIVASELVAMOORTHY.U	/	/	/	/	/
47	18106048	SOUNTHARIYA.V	/	/	/	/	/
48	18106049	SREENATH.B	/	/	/	/	/
49	18106050	SRINITHLM	/	/	/	/	/
50	18106051	SUGANTHI.P.V	/	/	/	/	/
51	18106052	SUHAIL AHAMED.J	/	/	/	/	/
52	18106053	SURESHKUMAR.M	/	/	/	/	/
53	18106054	TAMILARASI.S	/	/	/	/	/
54	18106055	THANGADURALM	/	/	/	/	/
55	18106056	THIRUKKUMARAN.D	/	/	/	/	/
56	18106057	THIYAGU.A	/	/	/	/	/
57	18106060	VISHNU KUMAR.N	/	/	/	/	/
58	18106061	VISHNUVARTHINLE	/	/	/	/	/
59	18106062	YASHICA.M	/	/	/	/	/
60	18106302	NACIMUDEEN A	a	a	a	a	a

Course Coordinator

HoD/EEE

Dr G BALAJI.M.E.,I
Professor & HOD
Department of Electrical and Electronics Engg
Paavai Engineering college,
Namakka - 637014



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

KOWSIKA S

of Paavai Engineering College, studying in Fourth Year has successfully completed the IOT

FUNDAMENTALS course from 2/08/2021 to 6/08/2021.

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

AKASH K

of Paavai Engineering College, studying in Fourth Year has successfully completed the IOT

FUNDAMENTALS course from 2/08/2021 to 6/08/2021.

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

ARAVIND R

of Paavai Engineering College, studying in **Fourth Year** has successfully completed the **IOT FUNDAMENTALS** course from **2/08/2021** to **6/08/2021**.

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

GAYATHRI M

of Paavai Engineering College, studying in Fourth Year has successfully completed the IOT

FUNDAMENTALS course from 2/08/2021 to 6/08/2021.

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

AKASH K

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

FUNDAMENTALS course from 2/08/2021 to 6/08/2021.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL -637 018

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

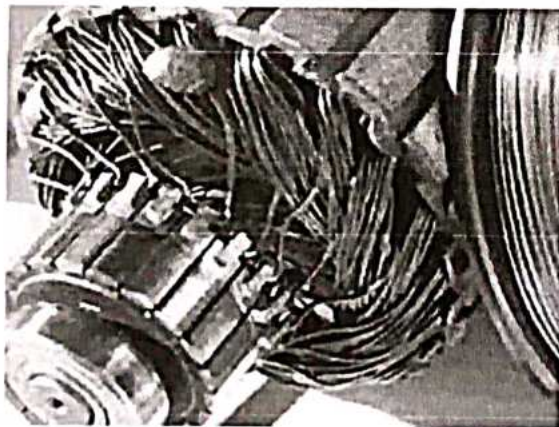
VALUE ADDED COURSE

FOR

ADDITIONAL SKILL DEVELOPMENT OF THE STUDENTS

(UG & PG)

WINDING OF INDUCTION MOTOR



COURSE CONTENT:

Single phase induction motor Connection of single phase motor, identification, testing, running and reversing. Maintain, service and trouble shoot the single phase motor. Install a single phase motor. Overhauling of AC motors.

Course Duration: 07.03.2022 to 11.03.2022

Course Coordinator: Dr.A.Rathinam Prof/EEE

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE: 28.02.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "WINDING OF INDUCTION MOTOR" for fourth semester students from 07.03.2022 to 11.03.2022. The interested UG and PG students are asked to enroll their names to the course coordinator Dr.A.Rathinam ASP/EEE on or before 01.03.2022.

Course Co-coordinator: 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
Namakka - 637012

Copy to:
Notice board.

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 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER: II/IV

NAME OF THE COURSE: 21EEVC401- WINDING OF INDUCTION MOTOR

S.No	Register No	Name of the Student	7.3.22	8.3.22	9.3.22	10.3.22	11.3.22
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	20106012	KARANKUMAR.S	/	/	/	/	/
12	20106013	KAVINESAN.R	/	/	/	/	/
13	20106014	KAVINTH.S	a	a	a	a	a
14	20106015	KAVIYARASU.C	/	/	/	/	/
15	20106017	KOMARA PRASAD	/	/	/	/	/
16	20106018	LOGANATHAN.T	/	/	/	/	/
17	20106021	MERLIN.J	/	/	/	/	/
18	20106022	NAVEENKUMAR.V	/	/	/	/	/
19	20106023	PARTHIBAN.K	/	/	/	/	/
20	20106024	PRIYADHARSHINI.S	/	/	/	/	/
21	20106025	RAHUL.M	/	/	/	/	/
22	20106026	RAJIDHARAN.M	/	/	/	/	/
23	20106027	RAVIKUMAR.G	/	/	/	/	/
24	20106028	SANJAI.R	/	/	/	/	/
25	20106029	SANJAI.R (D.O.J:05.01.21)	/	/	/	/	/
26	20106030	SANJAI.RAJ.A	/	/	/	/	/
27	20106031	SANJAY.S	/	/	/	/	/
28	20106034	SARANKANTH.M	/	/	/	/	/
29	20106035	SHARMILA.S	/	/	/	/	/
30	20106036	SIVARAJ.S	/	/	/	/	/
31	20106037	SRIMANIKANDAN.S	/	/	/	/	/
32	20106038	SRIRAM.J	/	/	/	/	/
33	20106039	SUGANESH.R	/	/	/	/	/
34	20106040	SURENDIRAN.A	/	/	/	/	/
35	20106041	VASANTHAKUMAR.K	/	/	/	/	/
36	20106043	VIGNESH.P	/	/	/	/	/
37	20106044	VISWABHARATH.V	/	/	/	/	/
38	20106045	YUVASHREE.S	/	/	/	/	/
39	20106301	ABINATH.S	/	/	/	/	/
40	20106302	AGASH. R	/	/	/	/	/
41	20106304	BASKARAN.S	a	a	a	a	a
42	20106305	BHARATH.R	/	/	/	/	/
43	20106309	GOVINDHARAJ.P	/	/	/	/	/
44	20106310	GOWSICK RAJ.R	/	/	/	/	/

45	20106312	JAGADEESH.S	/	/	/	/	/
46	20106316	MOHAMMED ASIK. A	/	/	/	/	/
47	20106317	MOHANA PRAKASH .P	/	/	/	/	/
48	20106318	PRASANNABALAJI.G	a	a	a	a	a
49	20106320	SABITHA. M	/	/	/	/	/
50	20106322	SRIDHAR.G	/	/	/	/	/

Dr. H. N.
Course Coordinator

Dr. G. Balaji M. E. Ph. D.
HoD/EEE
Dr. G. BALAJI. M. E. Ph. D
Professor & HOD
Department of Electrical and Electronics Engineering
Paavai Engineering college
Namakka - 637012



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

AGASH. R

of Paavai Engineering College, studying in Second Year has successfully completed the **WINDING**
OF INDUCTION MOTOR course from **07/03/2022** to **11/03/2022**.

Signature

Course Coordinator

Signature

HOD

Signature

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

PRIYADHARSHINI.S

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

OF INDUCTION MOTOR course from 07/03/2022 to 11/03/2022.

Signature

Course Coordinator

Signature

HOD

Signature

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

BARANIKARTHICK.T

of Paavai Engineering College, studying in Second Year has successfully completed the WINDING
OF INDUCTION MOTOR course from 07/03/2022 to 11/03/2022.

Signature

Course Coordinator

Signature

HOD

Signature

Principal

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE: 28.02.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "ADVANCED DIGITAL DESIGN WITH FGPA" for sixth semester students from 07.03.2022 to 11.03.2022..The interested UG and PG students are asked to enroll their names to the course coordinator Dr.C.Arulkumar ASP/EEE on or before 01.03.2022.

Course Co-coordinator: Dr.C.Arulkumar ASP/EEE


HOD/EEE
Dr. G. BALAJI, M.E., Ph.D.
Professor & HOD
Department of Electrical and Electronics Engineering
Paavai Engineering College
Namakkal - 637 008

Copy to:

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL -637 018

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

VALUE ADDED COURSE

FOR

ADDITIONAL SKILL DEVELOPMENT OF THE STUDENTS

(UG & PG)

ADVANCED DIGITAL DESIGN WITH FGPA

COURSE CONTENT:

Architecture

Design

Comparison

Uses and Application

Course Duration: 07.03.2022 to 11.03.2022

Course Coordinator: Dr.C.Arulkumar ASP/EEE

COURSE OBJECTIVES

To enable the students to

- Understanding the architecture of FGPA.
- Know the concept of HDL.
- Acquire knowledge on modelling of sequential circuits using Verilog..

10

UNIT I INTRODUCTION TO FPGAS

Basic Programmable Logic architectures, Complex Programmable Logic Devices (CPLDs), Field Programmable Gate Arrays (FPGAs), Design Flow, Design Tools.

10

UNIT II INTRODUCTION TO VERILOG HDL

Review of Verilog HDL, Modeling styles: Behavioral, Dataflow, and Structural Modeling, gate delays, switch-level Modeling, Hierarchal structural modeling.

10

UNIT III VERILOG MODELLING OF SEQUENTIAL CIRCUITS

Flip-Flops, Shift Registers, Counters, Finite State Machine Modelling

TOTAL PERIODS

30

COURSE OUTCOMES

At the end this course, students will be able to

- describe the architecture of FGPA.
- explain the concept of HDL.
- implement modelling concept for sequential circuits using Verilog..

TEXT BOOKS

1. Michael D Ciletti, "Advanced Digital Design with the Verilog HDL" Prentice Hall, 2nd Edition, 2011.

REFERENCES

1. Stephen Brown & Zvonko Vranesic, "Fundamentals of digital Logic with Verilog Design" TATA Mc Graw Hill Ltd. 3rd Edition 2014.



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 **ADVANCED**
DIGITAL DESIGN WITH FGPA course from **07/03/2022** to **11/03/2022**.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44 (Formerly NH-7), Pachai, Namakkal - 637010

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

DHINESH.K

of Pavaai Engineering College, studying in Second Year has successfully completed the ADVANCED

DIGITAL DESIGN WITH FGPA course from 07/03/2022 to 11/03/2022.

C. Senthil

Course Coordinator

Dhinesh K

HOD

Perumal

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

KIRUTHIKA.M

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

DIGITAL DESIGN WITH FGPA course from 07/03/2022 to 11/03/2022.



Course Coordinator



HOD



Principal

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER: III/VI

NAME OF THE COURSE: 21EEVC601- ADVANCED DIGITAL DESIGN WITH POPA

S.No	Register No	Name of the Student	7.3.22	8.3.22	9.3.22	10.3.22	11.3.22
1	19106001	AARTHI K	/	/	/	/	/
2	19106002	ABISHIK KUMAR M	/	/	/	/	/
3	19106003	ADITHYAN M	/	/	/	/	/
4	19106005	ANBARASU S	/	/	/	/	/
5	19106006	ARAVIND S	/	/	/	/	/
6	19106007	ARIVANANDHAN PANDIYAN K	ab	ab	ab	ab	ab
7	19106008	ARTHI R	/	/	/	/	/
8	19106009	ARUNKUMAR R	/	/	/	/	/
9	19106010	BASKAR P	/	/	/	/	/
10	19106011	DEEPANRAJ T	/	/	/	/	/
11	19106012	DHAKSHANAMOORTHY P	/	/	/	/	/
12	19106013	DHARANEESE KUMAR R	/	/	/	/	/
13	19106014	DHINESH K	/	/	/	/	/
14	19106016	DINESH T	/	/	/	/	/
15	19106017	ELAKIYA G	/	/	/	/	/
16	19106018	ELUMALAI K	ab	ab	ab	ab	ab
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	KEERTHIKA 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	ab	ab	ab	ab	ab
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	NARMADHAN	/	/	/	/	/
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	RISHIEBA M	/	/	/	/	/
51	19106055	RITHIKGURU M	/	/	/	/	/
52	19106056	SAILESHWARAN S	/	/	/	/	/
53	19106057	SANJAY D	ab	ab	ab	ab	ab
54	19106058	SANJAY R	/	/	/	/	/
55	19106059	SANTHOSH M	/	/	/	/	/
56	19106060	SANTHOSH N	/	/	/	/	/
57	19106061	SANTHOSHKUMAR R	/	/	/	/	/
58	19106062	SANTHOSH PANDIYAN.A	/	/	/	/	/
59	19106064	SATHISHKUMAR R	/	/	/	/	/
60	19106065	SATHISHKUMAR S	/	/	/	/	/
61	19106066	SETTU M	/	/	/	/	/
62	19106067	SHATHAJ M	ab	ab	ab	ab	ab
63	19106069	SNEGA U	/	/	/	/	/
64	19106070	SRIRAM N	/	/	/	/	/
65	19106071	SUBASH M	/	/	/	/	/
66	19106072	SUBASH N	/	/	/	/	/
67	19106073	SURIYA K	/	/	/	/	/
68	19106075	TAMILARASAN P	ab	ab	ab	ab	ab
69	19106076	VAISA S	/	/	/	/	/
70	19106077	VASANTH K	/	/	/	/	/
71	19106079	VETRIVEL M	/	/	/	/	/
72	19106080	VIGNESH G	/	/	/	/	/
73	19106081	VISHNUPRADAP P	/	/	/	/	/
74	19106301	KARTHICK M	/	/	/	/	/
75	19106304	MURUGAPERUMAL S	/	/	/	/	/


Course Coordinator


HoD/EEE
Dr. G. BALAJI M. E. Ph.D.
Professor & HOD
Department of Electronics and Electronics
Paavai Engineering
Namakkal - 6



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)

INTELLECTUAL PROPERTY RIGHTS

COURSE CONTENT:

Fundamentals of IPR

Assessing a new idea, its patentability & patent filing process

Significance of technology acquisition and its utilization

Trademarks, Copyright & Industrial designs

Course Duration: 07.03.2022 to 11.03.2022

Course Coordinator: Mr.S.Ramachandran AP/EEE

**PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL**

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE: 28.02.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on " INTELLECTUAL PROPERTY RIGHTS " for Eighth semester students from 07.03.2022 to 11.03.2022..The interested UG and PG students are asked to enroll their names to the course coordinator Mr.S.Ramachandran AP/EEE on or before 01.03.2022.

Course Co-coordinator: 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 - 637019

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COURSE OBJECTIVES

To enable the students to

- know the basic knowledge on IPR.
- Understand the registration process on IPR
- Acquire knowledge on agreements on IPR

UNIT I INTRODUCTION 10

Introduction to IPRs, Basic concepts and need for Intellectual Property – Patents, Copyrights, Geographical Indications, IPR in India and Abroad – Genesis and Development – the way from WTO to WIPO – TRIPS, Nature of Intellectual Property, Industrial Property, technological Research, Inventions and Innovations – Important examples of IPR.

UNIT II REGISTRATION OF IPR 10

Meaning and practical aspects of registration of Copy Rights, Trademarks, Patents, Geographical Indications, Trade Secrets and Industrial Design registration in India and Abroad

UNIT III AGREEMENTS AND LEGISLATION 10

International Treaties and Conventions on IPRs, TRIPS Agreement, PCT Agreement, Patent Act of India, Patent Amendment Act, Design Act, Trademark Act, Geographical Indication Act.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Explain the basics of IPR
- Implement registration process in IPR
- Analyze the agreements of IPR.

TEXT BOOKS

1. V. Scople Vinod, Managing Intellectual Property, Prentice Hall of India pvt Ltd, 2012

REFERENCES

1. Derek Bosworth and Elizabeth Webster, The Management of Intellectual Property, Edward Elgar Publishing Ltd., 2013.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

YEAR/SEMESTER: IV/VIII

NAME OF THE COURSE: 21EEVC801- INTELLECTUAL PROPERTY RIGHTS

S.No	Register No	Name of the Student	7.3.22	8.3.22	9.3.22	10.3.22	11.3.22
1	18106001	AADHI SHANKARAR.C	/	/	/	/	/
2	18106002	AARTHY.K	/	/	/	/	/
3	18106003	AGATHIYAN.P	/	/	/	/	/
4	18106004	AKASH.K	/	/	/	/	/
5	18106005	ANBARASAN.P	/	/	/	/	/
6	18106006	ANJALIKUMARI	a	a	a	a	a
7	18106007	ARAVIND.R	/	/	/	/	/
8	18106008	ARAVINTH.I	/	/	/	/	/
9	18106009	ARUNPRIYA.M	/	/	/	/	/
10	18106010	BALAMURUGAN.M	/	/	/	/	/
11	18106011	CHOWDHRY.M	/	/	/	/	/
12	18106012	DHARANI.A	a	a	a	a	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	/	/	/	/	/
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	a	a	a	a	a
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	/	/	/	/	/
36	18106037	PRIYANKA.N	/	/	/	/	/
37	18106038	RAKSHANA.C	/	/	/	/	/
38	18106039	RANJITHKUMAR.S	a	a	a	a	a
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	/	/	/	/	/
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	a	a	a	a	a
52	18106053	SURESHKUMAR.M	/	/	/	/	/
53	18106054	TAMILARASI.S	/	/	/	/	/
54	18106055	THANGADURAI.M	/	/	/	/	/
55	18106056	THIRUKKUMARAN.D	/	/	/	/	/
56	18106057	THIYAGU.A	/	/	/	/	/
57	18106060	VISHNU KUMAR.N	/	/	/	/	/
58	18106061	VISHNUVARTHINI.E	/	/	/	/	/
59	18106062	YASHICA.M	/	/	/	/	/


Course Coordinator


HoD/EEE
Dr. G. BALAJI, M.E., Ph.D.
Professor & HOD
Department of Electrical and Electronics Engg.
Pazhay Engineering College
Mamakkal - 637



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

IDHAYAKARAN.G

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

INTELLECTUAL PROPERTY RIGHTS course from 07/03/2022 to 11/03/2022.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

SANDHIYA.G

of Paavai Engineering College, studying in Second Year has successfully completed the
INTELLECTUAL PROPERTY RIGHTS course from 07/03/2022 to 11/03/2022.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Electrical and Electronics Engineering

CERTIFICATE

This is to certify

SUGANTHI.P.V

of Paavai Engineering College, studying in Second Year has successfully completed the
INTELLECTUAL PROPERTY RIGHTS course from 07/03/2022 to 11/03/2022.

Course Coordinator

HOD

Principal

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)

DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE

ON

21MEVC301-SERVICE AND LEADERSHIP

ABOUT THE COURSE:

The Service Leadership Course offers technology service executives an opportunity to unleash their full leadership potential. The course teaches participants advanced leadership skills and provides the tools to fully develop and execute a comprehensive strategy for their service organizations.

INTENDED AUDIENCE:

- II-, III- and IV-year students those who were interested in social service.
- Students those interested to involve social service and to improve leadership quality.

DURATION OF THE COURSE:

Period: 31.08.2021, 01.09.2021 to 04.09.2021

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

- understand the community in which they work and render their service.
- develop among themselves a sense of social and civic responsibility.



COURSE IN CHARGES:

1. Mr.P.SELVAKUMAR, AP/MECH
2. Mr.P.SABARI, AP/MECH

VENUE

SEMINAR HALL,
TEMPLE TOWER, PEC

Note: Interested students enroll their name to the course in charge on or before 25.08.2021.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 17.08.2021

CIRCULAR

It is planned to conduct the Five days value added course on **"21MEVC301-SERVICE AND LEADERSHIP"** for our students from 31.08.2021, 01.09.2021 to 04.09.2021. The interested students are asked to enroll their names to the course in charge **"Mr.P.SELVAKUMAR, AP/MECH,"** on or before **25.08.2021**.

COURSE IN CHARGES:

1. Mr.P.SELVAKUMAR, AP/MECH
2. Mr.P.SABARI, AP/MECH

Head of the Department

Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year: 2021 -2022

ATTENDANCE SHEET

Year/Semester : II/III

Name of the course: 21MEVC301-SERVICE AND LEADERSHIP

Date: 31.08.2021

Sl.No	Register Number	Name of the student	31.08.21	01.09.21	02.09.21	03.09.21	04.09.21
1.	20107001	AAKASH.S	/	/	/	/	/
2.	20107002	AAKESH KUMAR.S	/	/	/	/	/
3.	20107003	ABDUL RAHMAN.N	/	/	/	AB	/
4.	20107004	ABHISHEK BABU	/	/	/	/	/
5.	20107005	AJAY.P	/	/	/	/	/
6.	20107006	AKASH.G	/	/	/	/	/
7.	20107007	AKHIL RAJAN	/	/	/	/	/
8.	20107008	ANBARASAN .A	/	/	/	/	/
9.	20107009	ARUN.D	/	/	/	/	/
10.	20107010	BHARANI SHAKTHI DHARAN.D.S	AB	/	AB	/	AB
11.	20107012	DEEPESH.M	/	/	/	/	/
12.	20107013	GOPALAKANNAN.M	/	/	/	/	/
13.	20107014	GOWTHAM.V	/	/	/	/	/
14.	20107015	JANARTHANAN.K	/	/	/	/	/
15.	20107016	JOBLIN GOUSHIK.A.S	AB	AB	AB	AB	AB
16.	20107017	KAVIN.S	/	/	/	/	/
17.	20107018	KODIYARASAN.T	/	/	/	/	/
18.	20107019	MAHENDRAN.G	/	/	/	/	/
19.	20107020	MOHAMED NASAR.R	/	/	/	/	/
20.	20107021	MOORTHIS	/	/	/	/	/
21.	20107022	NAVEENKUMAR.J	/	/	/	/	/
22.	20107023	NAVEENKUMAR.S	/	/	/	/	/
23.	20107024	NITHESH.T	/	/	/	/	/
24.	20107025	PARTHIBAN.T.A	/	/	/	/	/
25.	20107027	RAAVIN.A.P	/	/	/	/	/

Sl.No	Register Number	Name of the student	31.08.21	01.09.21	02.09.21	03.09.21	04.09.21
26.	20107028	RAJENDRA PRASATH.V	/	/	/	/	/
27.	20107029	RAJKUMAR.K	/	/	/	/	/
28.	20107030	RAJKUMAR.T	AB	AB	AB	AB	AB
29.	20107031	RANJITH KUMAR.V	/	/	/	/	/
30.	20107032	SARAN RAJ.T	/	/	/	/	/
31.	20107033	SARATHI.C	/	/	/	/	/
32.	20107034	SARATHI.S	/	/	/	/	/
33.	20107035	SASIDHARAN.V	/	/	/	/	/
34.	20107036	SATHISH.S	/	/	/	/	/
35.	20107037	SHARJIN PRAKASH.T	AB	AB	AB	AB	AB
36.	20107038	SIVABALAJI.S	/	/	/	/	/
37.	20107039	SIVACHANDIRAN.C	/	/	/	/	/
38.	20107040	SIVASURYA.S	/	/	/	/	/
39.	20107041	SRINATH.D	/	/	/	/	/
40.	20107042	SUMITH.S	/	/	/	/	/
41.	20107043	THINESHKUMAR.M	/	/	/	/	/
42.	20107044	VENGATESAN.R	/	/	/	/	/
43.	20107045	VETRIVEL.P	/	/	/	/	/
44.	20107046	VIGNESH.K	AB	AB	AB	AB	AB
45.	20107047	VISHU.D	/	/	/	/	/

COURSE IN CHARGES:

1. Mr.P.SELVAKUMAR, AP.MECH,PEC
2. Mr.P.SABARI,AP/MECH

P.S.



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering



This is to certify that


MAHENDRAN.G

of Paavai Engineering College, studying Second year has successfully completed the value added course
"21MEVC301-SERVICE AND LEADERSHIP". The duration of the course is 30 hours from 31.08.2021,

to 04.09.2021



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

NAVEENKUMAR.J

of Paavai Engineering College, studying Second year has successfully completed the value added course
"21MEVC301-SERVICE AND LEADERSHIP". The duration of the course is 30 hours from 31.08.2021,

to 04.09.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering



This is to certify that

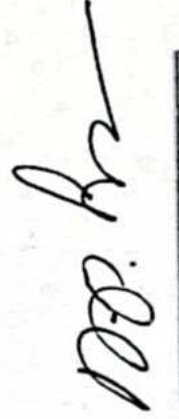
SARAN RAJ.T

of Paavai Engineering College, studying Second year has successfully completed the value added course "21MEVC301-SERVICE AND LEADERSHIP". The duration of the course is 30 hours from 31.08.2021,

to 04.09.2021



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


ANBARASAN .A

of Paavai Engineering College, studying Second year has successfully completed the value added course
"21MEVC301-SERVICE AND LEADERSHIP". The duration of the course is 30 hours from 31.08.2021,

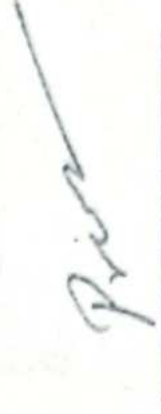
to 04.09.2021



Course Incharge



HOD



Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering



This is to certify that


ABHISHEK BABU

of Paavai Engineering College, studying Second year has successfully completed the value added course
"21MEVC301-SERVICE AND LEADERSHIP". The duration of the course is 30 hours from 31.08.2021,

to 04.09.2021



Course Incharge



HOD



Principal

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.



DEPARTMENT OF MECHANICAL ENGINEERING

ON

21MEVC401-ADVANCED SENSORS

This course covers advanced sensors and signal processing techniques for machinery condition monitoring. It discusses the condition monitoring strategies, introduces leading edge sensing methods and advanced signal processing techniques and provide introduction to condition monitoring procedures and system integration.

- II, III and IV year students those who were interested in social service.
- Students those interested in signal processing and sensors can apply.



Period: 07.01.2022 to 11.01.2022

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

- understand the working principle of various types of sensors that may utilized in mechanical field.
- identify and provide suitable sensors for the particular industrial application.

COURSE IN CHARGES:

1. Mr.R.MOHANRAJ, AP/MECH,PEC
2. Mr.P.SABARI,AP/MECH,PEC

VENUE

MECHATRONICS LABORATORY,
PEC

Note: Interested students enroll their name to the course in charge on or before 31.12.2021.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING


Date: 03.01.2022

CIRCULAR

It is planned to conduct the Five days value added course on "21MEVC401-ADVANCED SENSORS" for our students from 07.01.2022 to 11.01.2022. The interested students are asked to enroll their names to the course in charge "Mr.R.MOHANRAJ, AP/MECH," on or before 06.01.2022.

COURSE IN CHARGES:

1. Mr.R.MOHANRAJ, AP/MECH,PEC
2. Mr.P.SABARI,AP/MECH,PEC



Head of the Department

Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year: 2021 -2022

ATTENDANCE SHEET

Year/Semester : II/IV

Name of the course: 21MEVC401-ADVANCED SENSORS

Date: 07.01.2022

Sl.No	Register Number	Name of the student	07.01.22	08.01.22	09.01.22	10.01.22	11.01.22
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	ANBARASAN .A	/	/	/	/	/
9.	20107009	ARUN.D	/	/	/	/	/
10.	20107010	BHARANI SHAKTHI DHARAN.D.S	/	/	/	/	/
11.	20107012	DEEPESH.M	/	/	/	/	/
12.	20107013	GOPALAKANNAN.M	/	/	/	/	/
13.	20107014	GOWTHAM.V	/	/	/	/	/
14.	20107015	JANARTHANAN.K	/	/	/	/	/
15.	20107016	JOBLIN GOUSHIK.A.S	/	/	/	/	/
16.	20107017	KAVIN.S	/	/	/	/	/
17.	20107018	KODIYARASAN.T	/	/	/	/	/
18.	20107019	MAHENDRAN.G	/	/	/	/	/
19.	20107020	MOHAMED NASAR.R	/	/	/	/	/
20.	20107021	MOORTHILS	/	/	/	/	/
21.	20107022	NAVEENKUMAR.J	/	/	/	/	/
22.	20107023	NAVEENKUMAR.S	/	/	/	/	/
23.	20107024	NITHESH.T	/	/	/	/	/
24.	20107025	PARTHIBAN.T.A	/	/	/	/	/

25.	20107027	RAAVIN.A.P	/	/	/	/	/
26.	20107028	RAJENDRA PRASATH.V	/	/	/	/	/
27.	20107029	RAJKUMAR.K	/	/	/	/	/
28.	20107030	RAJKUMAR.T	/	/	/	/	/
29.	20107031	RANJITH KUMAR.V	/	/	/	/	/
30.	20107032	SARAN RAJ.T	/	/	/	/	/
31.	20107033	SARATHI.C	/	/	/	/	/
32.	20107034	SARATHI.S	/	/	/	/	/
33.	20107035	SASIDHARAN.V	/	/	/	/	/
34.	20107036	SATHISH.S	/	/	/	/	/
35.	20107037	SHARJIN PRAKASH.T	/	/	/	/	/
36.	20107038	SIVABALAJI.S	/	/	/	/	/
37.	20107039	SIVACHANDIRAN.C	/	/	/	/	/
38.	20107040	SIVASURYA.S	/	/	/	/	/
39.	20107041	SRINATH.D	/	/	/	/	/
40.	20107042	SUMITH.S	/	/	/	/	/
41.	20107043	THINESHKUMAR.M	/	/	/	/	/
42.	20107044	VENGATESAN.R	/	/	/	/	/
43.	20107045	VETRIVEL.P	/	/	/	/	/
44.	20107046	VIGNESH.K	/	/	/	/	/
45.	20107047	VISHU.D	/	/	/	/	/
46.	20107302	ASHIF ALI.M	/	/	/	/	/
47.	20107303	BIMAL BAIJU	/	/	/	/	/
48.	20107305	DHARUN.M.S	/	/	/	/	/
49.	20107306	DINESHKUMAR.S	/	/	/	/	/
50.	20107307	GOKUL.M	/	/	/	/	/
51.	20107308	GOKUL.V	/	/	/	/	/
52.	20107309	GOWSHIK PRABHU.S	/	/	/	/	/
53.	20107310	GUNALAN.M	/	/	/	/	/
54.	20107311	GUNASEKARAN.M	/	/	/	/	/
55.	20107312	HARIPRASATH.V	/	/	/	/	/
56.	20107313	JALALUDEEN.A	/	/	/	/	/
57.	20107314	KARTHICK.K.K	/	/	/	/	/
58.	20107315	KARTHICK.R	/	/	/	/	/

59.	20107316	KARTHIKEYAN.K	/	/	/	/	/
60.	20107318	KIRANKUMAR.M	/	/	/	/	/
61.	20107320	KIRUBAKARAN.T	/	/	/	/	/
62.	20107321	LEOSONU.I	/	/	/	/	/
63.	20107322	LOGESH.S	/	/	/	/	/
64.	20107323	MANOJKUMAR.V	/	/	/	/	/
65.	20107324	MEYVEL.S	/	/	/	/	/
66.	20107325	MOHAMMED RIYAS.A	/	/	/	/	/
67.	20107326	MOHAMMED RIYAS.E	/	/	/	/	/
68.	20107327	MURUGAN.T	/	/	/	/	/
69.	20107328	NISHANTH.R	/	/	/	/	/
70.	20107329	PRAVEENKUMAR.S	/	/	/	/	/
71.	20107330	PREMNATH.L.G	/	/	/	/	/
72.	20107331	RAGUVARAN.P	/	/	/	/	/
73.	20107332	RAJAMURUGAN.A	/	/	/	/	/
74.	20107333	RAJESHWARAN.S.M.R	/	/	/	/	/
75.	20107334	RAMBOJITH.U	/	/	/	/	/
76.	20107335	RISHIKESAVAN.C.M	/	/	/	/	/
77.	20107336	SARAVANAN.K.S	/	/	/	/	/
78.	20107337	SUDARMAN.L.V	/	/	/	/	/
79.	20107338	SUDHARSAN.P	/	/	/	/	/
80.	20107340	TAMILARASAN.P	/	/	/	/	/
81.	20107341	TAMILMANI.R	/	/	/	/	/
82.	20107342	TAMIZHARASU.S	/	/	/	/	/

COURSE IN CHARGES:

1. Mr.R.MOHANRAJ, AP/MECH,PEC
2. Mr.P.SABARI, AP/MECH,PEC

R. Mohanraj



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering



This is to certify that

BHARANI SHAKTHI DHARAN.D.S

of Paavai Engineering College, studying in SECOND Year has successfully completed the Value Added course on

21MEVC401- ADVANCED SENSORS . The duration of the course is 30 hours from 07.01.2022 to 11.01.2022.

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

ANBARASAN.A

of Paavai Engineering College, studying in SECOND Year has successfully completed the Value Added course on

21MEVC401- ADVANCED SENSORS . The duration of the course is 30 hours from 07.01.2022 to 11.01.2022.

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

SATHISH.S

of Paavai Engineering College, studying in SECOND Year has successfully completed the Value Added course on
21MEVC401- ADVANCED SENSORS . The duration of the course is 30 hours from 07.01.2022 to 11.01.2022.

Course Incharge

HOD

Principal

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)

DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE

ON

21MEVC501-PSYCOLOGY

ABOUT THE COURSE:

This course introduces the scientific study of human behavior through the analysis of facts, theories, and concepts that characterize diverse areas of the field of human psychology. Broad categories of human behavior through various psychological models and perspectives are explored.

INTENDED AUDIENCE:

- II-, III- and IV-year students those who were interested to improve their behavior and attitude.
- Students those interested in social responsibility.

DURATION OF THE COURSE:

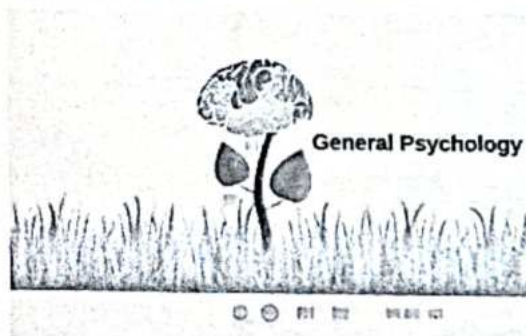
Period: 31.08.2021, 01.09.2021 to 04.09.2021

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can 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



COURSE IN CHARGES:

1. Mr.J.SUJITH KUMAR, AP/MECH
2. Mr.V.SENTHIL KANNAN, AP/MECH

VENUE

SEMINAR HALL,
TEMPLE TOWER, PEC

Note: Interested students enroll their name to the course in charge on or before 25.08.2021.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 17.08.2021

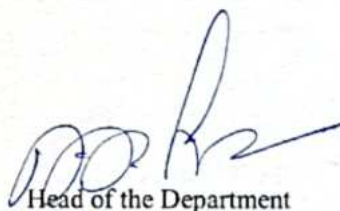
CIRCULAR

It is planned to conduct the Five days value added course on "21MEVC501-PSYCOLOGY" for our students from 31.08.2021, 01.09.2021 to 04.09.2021. The interested students are asked to enroll their names to the course in charge "Mr.J.SUJITH KUMAR, AP.MECH," on or before 25.08.2021.

COURSE IN CHARGES:

1. Mr.J.SUJITH KUMAR, AP/MECH

2. Mr.V.SENTHIL KANNAN, AP/MECH



Head of the Department

Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year: 2021 -2022

ATTENDANCE SHEET

Year/Semester : III/V

Name of the course: 21MEVC501-PSYCOLOGY

Date: 31.08.2021

Sl.No	Register Number	Name of the student	31.08.21	01.09.21	02.09.21	03.09.21	04.09.21
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	/	/	/	/	/
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	AB	AB	AB	AB	AB
14.	19107014	CHARAN.G.S	/	/	/	/	/
15.	19107015	GOKULRAJ.P.S	/	/	/	/	/
16.	19107016	GOWDHAM.K	/	/	/	/	/
17.	19107017	GOWTHAM.M	/	/	/	/	/
18.	19107018	HARENARAYANAN.V	/	/	/	/	/
19.	19107019	HARIR	/	/	/	/	/
20.	19107020	HARIHARAN.K	/	/	/	/	/
21.	19107021	HARIRAM.S	/	/	/	/	/
22.	19107022	HARISHKUMAR.M	/	/	/	/	/
23.	19107023	JEEVA.S	/	/	/	/	/
24.	19107024	JINO.K	/	/	/	AB	/
25.	19107025	KARTHIIGAI SELVAM.A	/	/	/	/	/
26.	19107026	KARTHIKEYAN S	/	/	/	/	/
27.	19107027	KARTHIKEYAN.M	/	/	/	/	/
28.	19107028	KARTHIKEYAN.T	/	/	/	/	/

Sl.No	Register Number	Name of the student	31.08.21	01.09.21	02.09.21	03.09.21	04.09.21
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	/	/	/
36.	19107036	MANIKANDAN.R	/	/	/	/	/
37.	19107037	MOHAMED RAFEEL.M	/	/	/	/	/
38.	19107038	MOHANKUMAR.K	/	/	/	/	/
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	/	/	/	/	/
59.	19107059	SACHIIN.K	AB	AB	AB	AB	/
60.	19107060	SAKTHIVEL.A	/	/	/	/	AB
61.	19107061	SAKTHIVEL.K	/	/	/	/	/
62.	19107062	SANJAY.S	/	/	/	/	/
63.	19107063	SANTHOSH KUMAR.M	/	/	/	/	/
64.	19107064	SARAN.M	/	/	/	/	/
65.	19107065	SARAVANAN.N	/	/	/	/	/

Sl.No	Register Number	Name of the student	31.08.21	01.09.21	02.09.21	03.09.21	04.09.21
66.	19107066	SATHEESH.S	/	/	/	/	/
67.	19107067	SATHISHKUMAR.R	/	/	/	/	/
68.	19107068	SEENUVASAN.K	/	/	AB	/	/
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	/	/	/	/	/
79.	19107079	SUYAMPRAKASHAM.M	/	/	/	/	/
80.	19107080	THIRUSENTHILNATHAN.D	/	/	/	/	/
81.	19107081	VEL PRABHAKARAN.C	/	/	/	/	/
82.	19107082	VENKATESAN.K	AB	/	/	/	/
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
90.	622121304001	ASHOKKUMAR.R	/	/	/	/	/
91.	622121304002	BALAMOORTHIL.P	/	/	/	/	/
92.	622121304003	ELANCHERAN.A	/	/	/	/	/
93.	622121304004	GOPINATH.T	/	/	/	/	/
94.	622121304005	KAMALNATH.M	/	/	/	/	/
95.	622121304006	KARTHIKEYAN.M	/	/	/	/	/
96.	622121304007	MANIKANDAN.G.K	/	/	/	/	/
97.	622121304008	MANOJ.M	/	/	/	/	/
98.	622121304009	THIENNARASU.S	/	/	/	/	/
99.	622121304010	VEERA KUMARAN.V	/	/	/	/	/

COURSE IN CHARGES:

1. Mr.J.SUJITH KUMAR, AP/MECH

2. Mr.V.SENTHIL KANNAN, AP/MECH



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering



This is to certify that

ABINESH.M

of Paavai Engineering College, studying Third year has successfully completed the value added course
"21MEVC501-PSYCHOLOGY". The duration of the course is 30 hours from 31.08.2021 to 04.09.2021.

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

THIRUSENTHILNATHAN.D

of Paavai Engineering College, studying Third year has successfully completed the value added course
"21MEVC501-PSYCHOLOGY". The duration of the course is 30 hours from 31.08.2021 to 04.09.2021.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering



This is to certify that

SABARINATHAN.G

of Paavai Engineering College, studying Third year has successfully completed the value added course
"21MEVC501-PSYCOLOGY". The duration of the course is 30 hours from 31.08.2021 to 04.09.2021.

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

BAGATH ILAKKIYAN.G

of Paavai Engineering College, studying Third year has successfully completed the value added course
"21MEVC501-PSYCHOLOGY". The duration of the course is 30 hours from 31.08.2021 to 04.09.2021.

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

SIVA CHANDRU KANNAN.C

of Pavaai Engineering College, studying Third year has successfully completed the value added course
"21MEVC501-PSYCOLOGY". The duration of the course is 30 hours from 31.08.2021 to 04.09.2021.

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

KARTHIKEYAN.M

of Paavai Engineering College, studying First year(ME-ED) has successfully completed the value added course "21MEVC501-PSYCHOLOGY". The duration of the course is 30 hours from 31.08.2021 to

04.09.2021.

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering



This is to certify that

GOPINATH.T

of Paavai Engineering College, studying First year(ME-ED) has successfully completed the value added course "21MEVC501-PSYCHOLOGY". The duration of the course is 30 hours from 31.08.2021 to

04.09.2021.

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

BALAMOORTHY.P

of Paavai Engineering College, studying First year(ME-ED) has successfully completed the value added course "21MEVC501-PSYCHOLOGY". The duration of the course is 30 hours from 31.08.2021 to

04.09.2021.

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

VEERA KUMARAN.V

of Paavai Engineering College, studying First year(ME-ED) has successfully completed the value added course "21MEVC501-PSYCHOLOGY". The duration of the course is 30 hours from 31.08.2021 to

04.09.2021.

Course Incharge

HOD

Principal

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)

DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE

ON

21MEVC601-AUTOMATED GUIDED VEHICLE SYSTEMS

ABOUT THE COURSE:

This course covers an automated guided vehicle (AGV), different from an autonomous mobile robot (AMR), is a portable robot that follows along marked long lines or wires on the floor, or uses radio waves, vision cameras, magnets, or lasers for navigation. They are most often used in industrial applications to transport heavy materials around a large industrial building, such as a factory or warehouse. Application of the automatic guided vehicle broadened during the late 20th century

INTENDED AUDIENCE:

- II-, III- and IV-year students those who were interested in automation systems in industry.
- Students those interested in material handling systems in manufacturing sector.

DURATION OF THE COURSE:

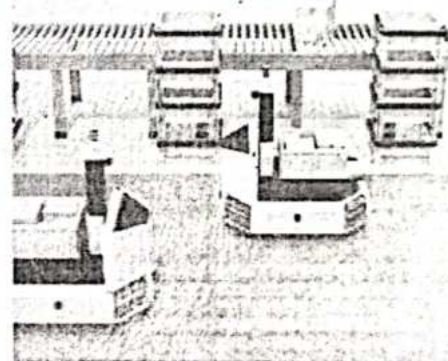
Period: 27.12.2021 to 31.12.2021

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

- describe the need of guided vehicles in transportation of materials with in industry.
- identify and select suitable type of AGV's in industrial application.



COURSE IN CHARGES:

1. Mr. M.VINOTH KUMAR, AP/MECH, PEC
2. Mr.T.SATHEES, AP/MECH, PEC

VENUE

PRESTIGE HALL
TEMPLE TOWER, PEC

*Note: Interested students enroll their name to the course in charge on or before 24.12.2021.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

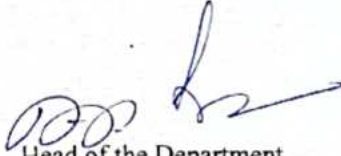
Date:20.12.2021

CIRCULAR

It is planned to conduct the Five days value added course on "21MEVC601-AUTOMATED GUIDED VEHICLES" for our student's from 27.12.2021 to 31.12.2021. The interested students are asked to enroll their names to the course in charge "Mr. M.VINOTH KUMAR, AP/MECH," on or before 24.12.2021.

COURSE IN CHARGES:

1. Mr. M.VINOTH KUMAR, AP/MECH, PEC
2. Mr. T.SATHEES, AP/MECH, PEC *T.Sat*



Head of the Department

Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year: 2021 -2022

ATTENDANCE SHEET

Year/Semester : III/VI

Name of the course: 21MEVC601- AUTOMATED GUIDED VEHICLES

Date: 27.12.21

Sl.No	Register Number	Name of the student	27.12.21	28.12.21	29.12.21	30.12.21	31.12.21
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	/	/	/	/	/
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	AB	AB	AB	AB	AB
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	HARIR	/	/	/	/	/
20.	19107020	HARIHARAN.K	/	/	/	/	/
21.	19107021	HARIRAM.S	/	/	/	/	/
22.	19107022	HARISHKUMAR.M	/	AB	/	/	/
23.	19107023	JEEVA.S	/	/	/	/	/
24.	19107024	JINO.K	/	/	/	/	/
25.	19107025	KARTHIGAI SELVAM.A	/	/	/	/	/

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	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 RAFEEL.M	/	/	/	/	/
38.	19107038	MOHANKUMAR.K	/	/	/	/	/
39.	19107039	MOHAN.M	/	/	/	/	/
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41.	19107041	MUGUNTHAN.S	/	/	/	/	/
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43.	19107043	NISHANTH.B	/	/	AB	/	/
44.	19107044	NISHANTH.R	/	/	/	/	/
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53.	19107053	RAJAPANDIAN.S	/	/	/	/	/
54.	19107054	RAJKUMAR.K	/	/	/	/	/
55.	19107055	RAMASAMY K	/	/	/	/	/
56.	19107056	RANJITHKUMAR.S	/	/	/	/	/
57.	19107057	SABARI NATHAN.N	/	/	/	AB	/
58.	19107058	SABARINATHAN.G	/	/	/	/	/
59.	19107059	SACHIN.K	/	/	/	/	/
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62.	19107062	SANJAY.S	/	/	/	/	/
63.	19107063	SANTHOSH KUMAR.M	/	/	AB	/	/
64.	19107064	SARAN.M	/	/	/	/	/
65.	19107065	SARAVANAN.N	/	/	/	/	/
66.	19107066	SATHEESILS	/	/	/	/	/
67.	19107067	SATHISH KUMAR.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	SRIDHAR PRASAD.R.K	/	/	/	/	/
75.	19107075	SUBA ANAND.G	/	/	/	/	/
76.	19107076	SUBASH.U	AB	AB	AB	AB	AB
77.	19107077	SUJIN DHAS.R	/	/	/	/	/
78.	19107078	SUNIL.A	/	/	/	/	/
79.	19107079	SUYAMPRAKASHAM.M	/	/	/	/	/
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88.	19107088	VINOTH.N	/	/	/	/	/
89.	19107089	VISHNURAM.A	/	/	/	/	/

COURSE IN CHARGES: Mr. M.VINOTH KUMAR, AP/MECH,PEC ,

Mr. T.SATHEES,AP/MECH,PEC

T. Sathe



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

GOKULRAJ.P.S

of Paavai Engineering College, studying in THIRD Year has successfully completed the Value Added course on
21MEVC601-AUTOMATED GUIDED VEHICLE SYSTEM. The duration of the course is 30 hours from 27.12.2021 to 31.12.2021

F. Saeed

Course Incharge

Dr. R.

HOD

Pm

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

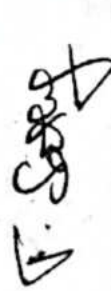
Department of Mechanical Engineering

CERTIFICATE

This is to certify that

LOKESHWARAN.P

of Paavai Engineering College, studying in THIRD Year has successfully completed the Value Added course on
21MEVC601-AUTOMATED GUIDED VEHICLE SYSTEM. The duration of the course is 30 hours from 27.12.2021 to 31.12.2021



Course Incharge



HOD



Principal



PAAVAI ENGINEERING COLLEGE

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Department of Mechanical Engineering

CERTIFICATE

This is to certify that

AKASH.P.T

of Paavai Engineering College, studying in THIRD Year has successfully completed the Value Added course on

21MEVC601-AUTOMATED GUIDED VEHICLE SYSTEM . The duration of the course is 30 hours from 27.12.2021 to 31.12.2021

F. Suresh

Course Incharge

Dr. R.

HOD

Pm

Principal

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)

DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE

ON

21MEVC701-AUTOMATION NETWORKS

ABOUT THE COURSE:

This course covers the standard networking devices and protocols in industry. Networking of PLCs is commonly used in Industries for controlling multiple processes. Participants get maximum practical exposure to networking devices and configuration of custom networks.

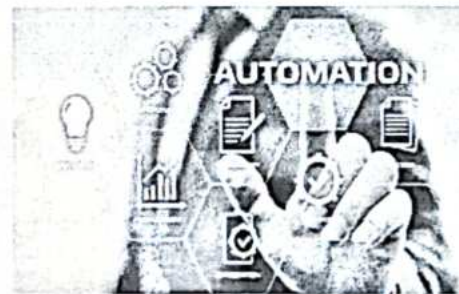
INTENDED AUDIENCE:

- II-, III- and IV-year students those who were interested to improve their behavior and attitude.
- Students those interested in social responsibility.

DURATION OF THE COURSE:

Period: 31.08.2021, 01.09.2021 to 04.09.2021

Total hours: 30 Hours (6 Hours /day)



COURSE OUTCOMES:

At the end of this course students can 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.

COURSE IN CHARGES:

1. Mr.S.PRABHAKARAN, AP/MECH
2. Mr.M.VINOTH KUMAR,AP/MECH

VENUE

SEMINAR HALL 2,
TEMPLE TOWER, PEC

Note: Interested students enroll their name to the course in charge on or before 25.08.2021.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 17.08.2021

CIRCULAR

It is planned to conduct the Five days value added course on "21MEVC701-AUTOMATION NETWORKS" for our students from 31.08.2021, 01.09.2021 to 04.09.2021. The interested students are asked to enroll their names to the course in charge "Mr.S.PRABHAKARAN, AP/MECH," on or before 25.08.2021

COURSE IN CHARGES:

1. Mr.S.PRABHAKARAN, AP/MECH
2. Mr.M.VINOTH KUMAR, AP/MECH



Head of the Department
Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year: 2021 -2022

ATTENDANCE SHEET

Year/Semester : IV/VII

Name of the course: 21MEVC701-AUTOMATION NETWORKS

Date: 31.08.2021

SL.No	Register Number	Name of the student	31.08.21	01.09.21	02.09.21	03.09.21	04.09.21
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	/	/	/	/	/
7.	18107010	DHARANIVENDHAN V	/	/	AB	/	/
8.	18107011	DHARSHINI M	/	/	/	/	/
9.	18107012	DHARUMARAJ K	AB	AB	AB	AB	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	KOMBAIAHIPANDIAN S	/	/	/	/	/
23.	18107032	LOGENDRAN R	/	/	/	/	/
24.	18107033	MAHESWARAN P	/	/	/	/	/
25.	18107034	MANIKANDAN M	/	/	/	/	/

SLNo	Register Number	Name of the student	31.08.21	01.09.21	02.09.21	03.09.21	04.09.21
26.	18107035	MANOJKUMAR S	/	/	/	/	/
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	/	/	/	/	/
37.	18107048	ROKITH.C	/	/	/	/	/
38.	18107049	SAMY DURAL.M	/	/	/	/	/
39.	18107050	SANJAI BALAJI.S	/	/	/	/	/
40.	18107051	SANJAY.E	/	AB	/	/	/
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	/	/	/	/
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	/	/	/	/	/

Sl.No	Register Number	Name of the student	31.08.21	01.09.21	02.09.21	03.09.21	04.09.21
59.	18107073	VENGATESH.S	/	/	/	/	/
60.	18107075	VIKRAM.J	/	/	/	/	/
61.	18107076	VINITHKUMAR.B	/	/	/	/	/
62.	18107077	VISHWESHMANISH.M.R.S	/	/	/	/	/
63.	18107078	YOGESHWARAN.M	/	/	/	/	/
64.	18107080	RAKUL.R	/	/	/	/	/
65.	18107301	AJAY ARAVINDAN.A	/	/	/	/	/
66.	18107303	ANBARASU.R	/	/	/	/	/
67.	18107304	ARAVINDH.R	/	/	/	/	/
68.	18107305	ASHOK KUMAR.S	AB	AB	AB	AB	AB
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	/	/	/	/	/
84.	18107325	PRATHISH.G.A	/	/	/	/	/
85.	18107326	PREMKUMAR.R	/	/	/	/	/
86.	18107327	PUGAZHENDIRAN.M	AB	AB	AB	AB	AB
87.	18107328	RAJASELVAM.S	/	/	/	/	/
88.	18107329	SANTHOSHKUMAR.G	/	/	/	/	/
89.	18107330	SANTHOSHKUMAR.S	/	/	/	/	/
90.	18107331	SUKUMAR.R	/	/	/	/	/
91.	18107332	SUNDHARRAJAN.N.V	/	/	/	/	/

Sl.No	Register Number	Name of the student	31.08.21	01.09.21	02.09.21	03.09.21	04.09.21
92.	18107333	SURENDHAR.K	/	/	/	/	/
93.	18107334	TAMILARASAN.K	/	/	/	/	/
94.	18107335	ULAGANATHIAN.S	/	/	/	/	/
95.	18107336	VEERARASAN.N	/	/	/	/	/
96.	18107337	VENKATESHWARAN.D	/	/	/	/	/
97.	18107501	SIVAMANLA	/	/	/	/	/
98.	18107502	VENKATRAMAN.D	/	/	/	/	/
99.	20304001	SATHISHKUMAR.N	/	/	/	/	/

COURSE IN CHARGES:

1. Mr.S.PRABHAKARAN, AP/MECH
2. Mr.M.VINOTH KUMAR, AP/MECH

MA. 



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering



This is to certify that

ROKITH.C

of Paavai Engineering College, studying Final year has successfully completed the value added course
"21MEVC701-AUTOMATION NETWORKS". The duration of the course is 30 hours from 31.08.2021,

to 04.09.2021

S. P. Bhattacharya

Course Incharge

D. P. R.

HOD

P. R.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

SUBASH.S

of Paavai Engineering College, studying Final year has successfully completed the value added course
"21MEVC701-AUTOMATION NETWORKS". The duration of the course is 30 hours from 31.08.2021,

to 04.09.2021

S. P. Bhattacharya

Course Incharge

D. R.

HOD

P. R.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering



This is to certify that

KESAVEL D

of Paavai Engineering College, studying Final year has successfully completed the value added course
"21MEVC701-AUTOMATION NETWORKS". The duration of the course is 30 hours from 31.08.2021,

to 04.09.2021

S. P. Bhattacharya

Course Incharge

D. P. R.

HOD

P. V.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering



This is to certify that

VENKATESHWARAN.D

of Paavai Engineering College, studying Final year has successfully completed the value added course
"21MEVC701-AUTOMATION NETWORKS". The duration of the course is 30 hours from 31.08.2021,

to 04.09.2021

S. P. Bhattacharya

Course Incharge

D. P. R.

HOD

P. V.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering



This is to certify that

SATHISHKUMAR.N

of Paavai Engineering College, studying Second year (ME-ED) has successfully completed the value added course "21MEVC701-AUTOMATION NETWORKS". The duration of the course is 30 hours from

31.08.2021, to 04.09.2021

S. P. Bhattacharya

Course Incharge

D. P. R.

HOD

P. R.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

LOGENDRAN R

of Paavai Engineering College, studying Final year has successfully completed the value added course
"21MEVC701-AUTOMATION NETWORKS". The duration of the course is 30 hours from 31.08.2021,

to 04.09.2021



Course Incharge



HOD



Principal

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)

DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE

ON

21MEVC801-IMAGE PROCESSING

ABOUT THE COURSE:

Image processing is a method to perform some operations on an image, in order to get an enhanced image or to extract some useful information from it. It is a type of signal processing in which input is an image and output may be image or characteristics/features associated with that image. Nowadays, image processing is among rapidly growing technologies. It forms core research area within engineering and computer science disciplines too.

INTENDED AUDIENCE:

- II-, III- and IV-year students those who were interested electronics processing field.
- Students those interested in identification of things by technology.

DURATION OF THE COURSE:

Period: 27.12.2021 to 31.12.2021

Total hours: 30 Hours (6 Hours /day)

COURSE OUTCOMES:

At the end of this course students can be able to

- describe working principle of image processing
- identify the need of image processing in mechanical field.



COURSE IN CHARGES:

1. Mr.S.PRABHAKARAN, AP/MECH,PEC
2. Mr.N.LOKESHWARAN,AP/MECH,PEC

VENUE

SEMIANR HALL 2,
TEMPLE TOWER, PEC

Note: Interested students enroll their name to the course in charge on or before 24.12.2021.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 20.12.2021

CIRCULAR

It is planned to conduct the Five days value added course on “**21MEVC801-IMAGE PROCESSING**” for our students from 27.12.2021 to 31.12.2021. The interested students are asked to enroll their names to the course in charge “**Mr.S.PRABHAKARAN, AP/MECH,**” on or before 24.12.2021.

COURSE IN CHARGES:

1. Mr.S.PRABHAKARAN, AP/MECH,PEC

2. Mr.N.LOKESHWARAN,AP/MECH,PEC

Head of the Department

Department of Mechanical Engineering

Copy to:

1. All Class rooms.
2. Department Notice board



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year: 2021 -2022

ATTENDANCE SHEET

Year/Semester : IV/VIII

Name of the course: 21MEVC801-IMAGE PROCESSING

Date: 27.12.2021

Sl.No	Register Number	Name of the student	27.12.21	28.12.21	29.12.21	30.12.21	31.12.21
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	/	/	/	/	/
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	AB	/	/	/	/
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	/	/	AB	/	/
20.	18107029	KESAVEL D	/	/	/	/	/
21.	18107030	KISHORE M	/	/	/	/	/
22.	18107031	KOMBAIAHPANDIAN S	/	/	AB	/	/
23.	18107032	LOGENDRAN R	/	/	/	/	/
24.	18107033	MAHESWARAN P	/	/	/	/	/
25.	18107034	MANIKANDAN M	/	/	/	/	/
26.	18107035	MANOJKUMAR S	/	/	/	/	/

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 GANDHIL A	AB	AB	AB	AB	AB
35.	18107045	RAGUPATHI RAJ.S	/	/	/	/	/
36.	18107047	RISHIKANTHA.R	/	/	/	/	/
37.	18107048	ROKITH.C	/	/	/	/	/
38.	18107049	SAMY DURALM	/	/	/	/	/
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	SIRANGEEVIS	/	/	/	/	/
50.	18107062	SIVA.A	/	/	/	/	/
51.	18107063	SIVAKUMAR.E	/	/	AB	/	/
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	/	/	/	/	/
61.	18107076	VINITHKUMAR.B	/	/	/	/	/
62.	18107077	VISHWESHMANISH.M.R.S	/	/	/	/	/
63.	18107078	YOGESHWARAN.M	/	/	/	/	/

64.	18107080	RAKUL.R	/	/	/	/	/
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	AB	AB	AB	AB	AB
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	SANTHOSH KUMAR.G	/	/	/	/	/
89.	18107330	SANTHOSH KUMAR.S	/	/	/	/	/
90.	18107331	SUKUMAR.R	/	/	AB	/	/
91.	18107332	SUNDHARRAJAN.N.V	/	/	/	/	/
92.	18107333	SURENDHAR.K	/	/	/	/	/
93.	18107334	TAMILARASAN.K	/	/	/	/	/
94.	18107335	ULAGANATHAN.S	/	/	/	/	/
95.	18107336	VEERARASAN.N	/	/	/	/	/
96.	18107337	VENKATESHWARAN.D	/	/	/	/	/

COURSE IN CHARGES:

1. Mr.S.PRABHAKARAN, AP/MECH,PEC
2. Mr.N.LOKESHWARAN, AP/MECH,PEC

N. Jay



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering

CERTIFICATE

This is to certify that

DHANASIVA.S

of Pavaai Engineering College, studying in FINAL Year has successfully completed the Value Added course on

21MEVC801-IMAGE PROCESSING. The duration of the course is 30 hours from 27.12.2021 to 31.12.2021

N. Thiruvengadam

Course Incharge

M. R.

HOD

Pm

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering



This is to certify that

ABDULLAH.K

of Paavai Engineering College, studying in FINAL Year has successfully completed the Value Added course on

21MEVC801-IMAGE PROCESSING. The duration of the course is 30 hours from 27.12.2021 to 31.12.2021

N. Thirumangalakudi

Course Incharge

Dr. K. S. Srinivasan

HOD

P. S. Srinivasan

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechanical Engineering



This is to certify that

ARUN KUMAR.D

of Paavai Engineering College, studying in FINAL Year has successfully completed the Value Added course on

21MEVC801-IMAGE PROCESSING. The duration of the course is 30 hours from 27.12.2021 to 31.12.2021

N. Thiruvengadam

Course Incharge

P.P. R.

HOD

Pm

Principal



PAAVAI ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)

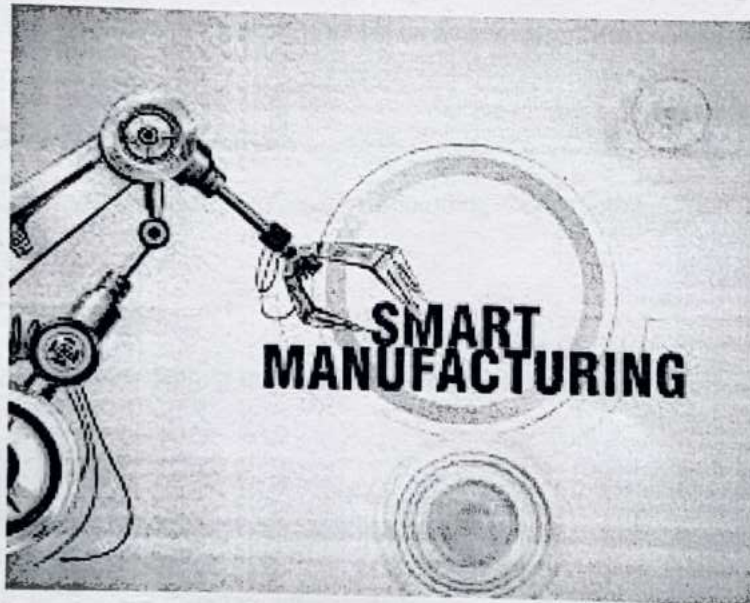
DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

21MTVC301 - SMART MANUFACTURING

COURSE CONTENT:

- ✓ 3D PRINTING
- ✓ CAD FOR MANUFACTURING
- ✓ MANUFACTURING TECHNIQUES
- ✓ APPLICATIONS



DATE : 2.8.2021 to 6.8.2021

VENUE: T328

COURSE IN-CHARGE
C. SUMITHRA, AP/MCT
M. VETRISELVAN, AP/MCT

COURSE OBJECTIVES

To enable the students to

- gain knowledge and skills related to 3D printing technologies.
- learn the selection of material, equipment and development of a product for Industry 4.0 environment.
- understand the various software tools, process and techniques for digital manufacturing.

UNIT 1 3D PRINTING

Introduction, Process, Classifications, Advantages, Additive v/s Conventional Manufacturing processes, Applications.

UNIT 2 CAD FOR MANUFACTURING

CAD Data formats, Data translation, Data loss, STL format.

UNIT 3 MANUFACTURING TECHNIQUES

Stereo- Lithography, LOM, FDM, SLS, SLM, Binder Jet technology. Process, Process parameter, Process Selection for various applications.

UNIT 4 APPLICATION DOMAINS

Aerospace, Electronics, Health Care, Defense, Automotive, Construction, Food Processing, Machine Tools.

UNIT 5 APPLICATIONS

Diameter Inspection of Rivets– Tubing Inspection– Machine Vision in Manufacturing - Robot Guidance.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- develop CAD models for 3D printing.
- import and Export CAD data and generate .stl file.
- select a specific material for the given application.

TEXT BOOKS

1. Andreas Gebhardt, "Understanding Additive Manufacturing: Rapid Prototyping, Rapid Tooling, Rapid Manufacturing", Hanser Publisher, 2011.

REFERENCES

1. Zhiqiang Fan And Frank Liou, "Numerical Modelling of the Additive Manufacturing (AM) Processes of Titanium Alloy", InTech, 2012.



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

DATE: 19.7.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "21MTVC301 - SMART MANUFACTURING" for Third semester students from 2.8.2021 to 6.8.2021. 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 30.7.2021.

Course in-charges: 1. C. SUMITHRA, AP/MCT —

2. M. VETRISSELVAN, AP/MCT —

HOD/MCT

Copy to:

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF MECHATRONICS

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II / III

Name of the course : 21MTVC301 - SMART MANUFACTURING

S. No	Register Number	Student Name	2.8.2021	3.8.2021	4.8.2021	5.8.2021	6.8.2021
1	20108001	ADHITHYA.M	/	/	/	/	/
2	20108002	ADITYA.K	/	/	/	/	/
3	20108003	BARATH.S	/	/	/	/	/
4	20108004	DHINESH.K	/	/	/	/	/
5	20108005	DINESHKUMAR.G	/	/	/	/	/
6	20108006	FINNEY BABU	/	/	/	/	/
7	20108007	KAMALESH.N	/	/	/	/	/
8	20108008	KRISHVA.R	/	/	/	/	/
9	20108009	MEGANATHAN.C	/	/	A	/	/
10	20108010	NAVEEN.V	/	/	/	/	/
11	20108011	OVIYA.M	A	A	A	A	A
12	20108012	PARTHIBAN.S	/	/	/	/	/
13	20108013	PUGAZHENTHIE	/	/	/	/	/
14	20108014	RAMACHANDRAN.S	/	/	/	/	/
15	20108015	SARAN.G	A	A	A	A	A
16	20108016	SENTHAMIL SELVAN.M	/	A	/	/	/
17	20108017	VIJAY.K	/	/	/	/	/
18	20108018	YANAMALA MAHI SUDHARASAN RAJU	/	/	/	/	/

19	20108019	YOGESHWARAN.B	A	A	A	A	A
20	20108301	DHIVAKARAN.R	/	/	/	/	/
21	20108302	KRIZHNA KUMAR.P	/	/	/	/	/
22	20108303	NAVANETHAN.R	/	/	/	/	/
23	20108304	NAVEEN NISHANNTH.S. R	A	A	A	A	A
24	20108305	VENKATESH.S	/	/	/	/	/

[Signature]
Course in-charge

[Signature]
HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ADHITHYA.M

of Pavaai Engineering College, studying in Second year has successfully completed the Value Added Course "21MTVC301 - SMART MANUFACTURING". The duration of the course is 30 hours

(2.8.2021 to 6.8.2021).

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

ADITYA.K

of Paavai Engineering College, studying in Second year has successfully completed the Value Added Course "21MTVC301 - SMART MANUFACTURING". The duration of the course is 30 hours

(2.8.2021 to 6.8.2021).

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 Second year has successfully completed the Value Added Course "21MTVC301 - SMART MANUFACTURING". The duration of the course is 30 hours (2.8.2021 to 6.8.2021).

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

DHINESH.K

of Paavai Engineering College, studying in Second year has successfully completed the Value Added Course "2IMTVC301 - SMART MANUFACTURING". The duration of the course is 30 hours

(2.8.2021 to 6.8.2021).

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

DINESHKUMAR.C

of Paavai Engineering College, studying in Second year has successfully completed the Value Added Course "21MTVC301 - SMART MANUFACTURING". The duration of the course is 30 hours

(2.8.2021 to 6.8.2021).

Course in-charge

HOD

Principal



PAAVAI ENGINEERING COLLEGE
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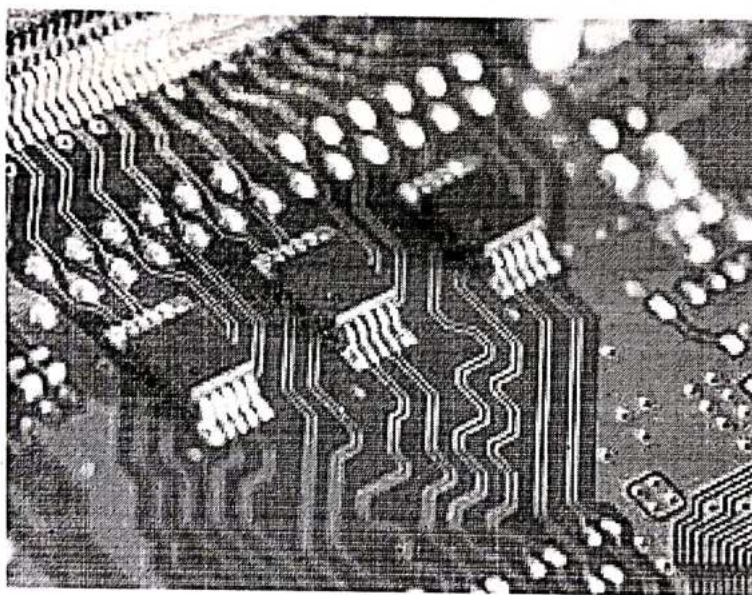
DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

21MTVC401 - ELECTRONICS PROCESS CONTROL

COURSE CONTENT:

- ✓ CONVERTERS AND INVERTERS
- ✓ DC AND AC MOTOR CONTROL
- ✓ SERVO AND STEPPER MOTOR CONTROL
- ✓ RELAYS, HEATING CONTROL
- ✓ MOTION CONTROL



DATE : 1.3.2022 to 5.3.2022

VENUE: T328

COURSE IN CHARGE
C. VIBIN STALIN, AP/MCT
S. RAJASEKAR, AP/MCT

COURSE OBJECTIVES

To enable the students to

- impart students with analysis of converters and inverters
- outline the formal procedures for relays, heating & welding control
- introduce the concept of process control

UNIT 1 CONVERTERS AND INVERTERS 6

Analysis of controlled and fully controlled converters-Dual converters; Analysis of voltage source and current source- current source and series converters

UNIT 2 DC AND AC MOTOR CONTROL 6

Method of controlling speed- Basic control circuit-DC motor control- AC motor control

UNIT 3 SERVO AND STEPPER MOTOR CONTROL 6

Servo motor control- Stepper motor control- micro controller-based speed control – solid state motor control-PLL control of a DC motor control

UNIT 4 RELAYS, HEATING CONTROL 6

Introduction- principle of relays- electromechanical relay- solid state relays- Latching relays timing relays- Induction heating- dielectric heating

UNIT 5 MOTION CONTROL 6

Elements of process control- temperature control- Flow control- Level control- Methods of motion control- feedback control- Direct digital control

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- design Analysis of voltage source and current source
- acquire knowledge on the basics about principle of relays
- design the process control of elements

TEXT BOOKS

1. Biswanath Paul- Industrial electronics and control- prentice Hall India publisher-2015.

REFERENCES

1. Terry Baltelt- Industrial electronics, devices, systems and applications- Delmar publishers- 2012.



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

DATE: 21.2.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "21MTVC401 - ELECTRONICS PROCESS CONTROL" for Fourth semester students from 1.3.2022 to 5.3.2022. 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 25.2.2022.

Course in-charges: 1. C. VIBIN STALIN, AP/MCT

2. S. RAJASEKAR, AP/MCT

HOD/MCT

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF MECHATRONICS

Academic Year: 2021-2022

VALUE ADDED COURSE


ATTENDANCE SHEET

Year/Semester : II / IV

Name of the course : 21MTVC401 - ELECTRONICS PROCESS CONTROL

S. No	Register Number	Student Name	1.3.2022	2.3.2022	3.3.2022	4.3.2022	5.3.2022
1	20108001	ADHITHYA.M	/	/	/	/	/
2	20108002	ADITYA.K	/	/	/	/	/
3	20108003	BARATH.S	/	/	/	/	/
4	20108004	DHINESH.K	/	/	/	/	/
5	20108005	DINESHKUMAR.G	/	/	/	/	/
6	20108006	FINNEY BABU	/	/	/	/	/
7	20108007	KAMALESH.N	/	/	/	/	/
8	20108008	KRISHVA.R	AB	/	/	/	/
9	20108009	MEGANATHAN.C	/	/	/	/	AB
10	20108010	NAVEEN.V	/	/	/	/	/
11	20108012	PARTHIBAN.S	/	AB	/	/	/
12	20108013	PUGAZHENTHIE	/	/	/	/	/
13	20108014	RAMACHANDRAN.S	/	/	/	/	/
14	20108015	SARAN.G	/	/	/	/	/
15	20108016	SENTHAMIL SELVAN.M	/	/	/	/	/
16	20108017	VIJAY.K	/	/	/	/	/
17	20108018	YANAMALA MAHI SUDHARASAN RAJU	AB	AB	AB	AB	AB
18	20108019	YOGESHWARAN.B	/	/	/	/	/

19	20108301	DIIVAKARAN.R	AB	AB	AB	AB	AB
20	20108302	KRIZHINA KUMAR.P	/	/	/	/	/
21	20108303	NAVANETHAN.R	/	/	/	/	/
22	20108304	NAVEEN NISHANNT.H.S. R	AB	AB	AB	AB	AB
23	20108305	VENKATESH.S	/	/	/	/	/
24	20108501	SUBRAMANI.R	/	/	/	/	/


Course in-charge


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ADHITHYA.M

of Paavai Engineering College, studying in second year has successfully completed the Value Added Course

“21MTVC401 - ELECTRONICS PROCESS CONTROL”. The duration of the course is 30 hours

(1.3.2022 to 5.3.2022).

Course in-charge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ADITYA.K

of Paavai Engineering College, studying in second year has successfully completed the Value Added Course

“21MTVC401 - ELECTRONICS PROCESS CONTROL”. The duration of the course is 30 hours

(1.3.2022 to 5.3.2022).

Course in-charge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

BARATH.S

of Paavai Engineering College, studying in second year has successfully completed the Value Added Course

“21MTVC401 - ELECTRONICS PROCESS CONTROL”. The duration of the course is 30 hours

(1.3.2022 to 5.3.2022).

Course in-charge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

DHINESH.K

of Paavai Engineering College, studying in second year has successfully completed the Value Added Course

“21MTVC401 - ELECTRONICS PROCESS CONTROL”. The duration of the course is 30 hours

(1.3.2022 to 5.3.2022).

Course in-charge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

DINESHKUMAR.G

of Paavai Engineering College, studying in second year has successfully completed the Value Added Course

“21MTVC401 - ELECTRONICS PROCESS CONTROL”. The duration of the course is 30 hours

(1.3.2022 to 5.3.2022).

Course in-charge

HOD

Principal



PAAVAI ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)

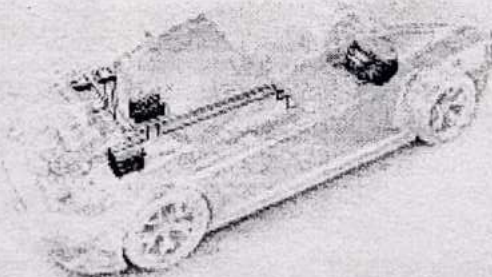
DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

21MTVC501 - HYBRIDIZATION OF AUTOMOBILE

COURSE CONTENT:

- ✓ BASICS OF THE HEV
- ✓ VEHICLE MODEL, VEHICLE PERFORMANCE
- ✓ BATTERY CHARGING
- ✓ PLUG-IN HYBRID ELECTRIC VEHICLES



DATE : 2.8.2021 to 6.8.2021

VENUE: T327

COURSE IN-CHARGE

Dr. R.T. AJAYKARTHIK, ASP/MCT

C. RAVIKUMAR, AP/MCT

COURSE OBJECTIVES

To enable the students to

- know the basics of electric and hybrid electric vehicles, their architecture, technologies and fundamental
- learn the hybrid electric vehicle architecture, design and component sizing and the power electronics devices used in hybrid electric vehicles.
- understand various electric drives suitable for hybrid electric vehicles.

UNIT 1 INTRODUCTION

Sustainable Transportation, A Brief History of HEVs, Why EVs Emerged and Failed, Architectures of HEVs, Interdisciplinary Nature of HEVs, State of the Art of HEVs, Challenges and Key Technology.

UNIT 2 HYBRIDIZATION OF THE AUTOMOBILE

Vehicle Basics, Basics of the EV, Basics of the HEV, Basics of Plug-In Hybrid Electric Vehicle (PHEV), Basics of Fuel Cell Vehicles (FCVs).

UNIT 3 HEV FUNDAMENTALS

Introduction, Vehicle Model, Vehicle Performance, EV Powertrain Component Sizing, Series Hybrid Vehicle, Parallel Hybrid Vehicle, Wheel Slip Dynamics.

UNIT 4 PLUG-IN HYBRID ELECTRIC VEHICLES

Introduction to PHEVs, PHEV Architectures, Equivalent Electric Range of Blended PHEVs, Fuel Economy of PHEVs.

UNIT 5 SIZING OF EREVS

Power Management of PHEVs, Component Sizing of EREVs, Component Sizing of Blended PHEVs, Vehicle-to-Grid Technology.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- explain the basics of electric and hybrid electric vehicles, their architecture, technologies and fundamentals.
- analyse the use of different power electronics devices and electrical machines in hybrid electric vehicles.

TEXT BOOKS

1. Iqbal Hussein, "Electric and Hybrid Vehicles: Design Fundamentals", CRC Press, 2nd Edition, 2013.

REFERENCES

1. Seth Leitman, "Build Your Own Electric Vehicle" MC Graw Hill, 1st Edition, 2014.



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

DATE: 19.7.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "21MTVC501 - HYBRIDIZATION OF AUTOMOBILE" for Fifth semester students from 2.8.2021 to 6.8.2021. 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 30.7.2021.

Course in-charges: 1. Dr. R.T. AJAYKARTHIK, ASP/MCT - *[Signature]*
2. C. RAVIKUMAR, AP/MCT - *[Signature]*

[Signature]
19/7/21
HOD/MCT

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NAMAKKAL
DEPARTMENT OF MECHATRONICS

Academic Year: 2021-2022

VALUE ADDED COURSE

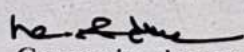
ATTENDANCE SHEET

Year/Semester : III / V

Name of the course : 21MTVC501 - HYBRIDIZATION OF AUTOMOBILE

S. No	Register Number	Student Name	2.8.2021	3.8.2021	4.8.2021	5.8.2021	6.8.2021
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	A	/	/	/	/
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	/	/
21	19108024	KUMARAGURU.M	/	/	/	/	/

22	19108025	LOGANATHAN.K	/	/	/	/	/
23	19108026	LOGESH.S	/	/	/	A	/
24	19108027	MAHESH KUMAR.K	/	/	/	/	/
25	19108028	MANIKANDAN.J	/	/	/	/	/
26	19108030	MANOJKUMAR.R	/	/	/	/	/
27	19108031	MOHAMED AKRAM UMAR.M.B	/	A	/	/	/
28	19108032	MOHANATHAN.K	/	/	/	/	/
29	19108033	MUKESH.M	/	/	/	/	/
30	19108034	NAGA SIVA SANGARAPANDIAN.L	A	A	A	A	A
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	A	A	A	A	A
41	19108046	THIRUKUMAR.S	/	/	/	/	/
42	19108047	VENGADESH.G	/	/	/	/	/
43	19108048	VIGNESH.K	/	/	/	/	/
44	19108049	VIJAYASARATHI.E	/	A	/	/	/
45	19108050	VIKNESWARAN.M	/	/	/	/	/
46	19108051	VINOTH KUMAR S	/	/	/	/	/
47	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

ABINESH.S

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

"21MTVC501 - HYBRIDIZATION OF AUTOMOBILE". The duration of the course is 30 hours

(2.8.2021 to 6.8.2021).

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

ALAGUPANDI. A

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

"21MTVC501 - HYBRIDIZATION OF AUTOMOBILE". The duration of the course is 30 hours

(2.8.2021 to 6.8.2021).

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

ANTONYRAJ.M

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

"21MTVC501 - HYBRIDIZATION OF AUTOMOBILE". The duration of the course is 30 hours

(2.8.2021 to 6.8.2021).

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

ARJUN.O

of Paavai Engineering College, studying in Final year has successfully completed the Value Added Course
"21MTVC501 - HYBRIDIZATION OF AUTOMOBILE". The duration of the course is 30 hours

(2.8.2021 to 6.8.2021).

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 Final year has successfully completed the Value Added Course
"21MTVC501 - HYBRIDIZATION OF AUTOMOBILE". The duration of the course is 30 hours

(2.8.2021 to 6.8.2021).



Course in-charge



HOD



Principal



PAAVAI ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)

DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

21MTVC601 - MEDITATION AND BALANCED DIET

COURSE CONTENT:

- ✓ LIMBS OF YOGA
- ✓ YOGA BENEFITS
- ✓ ASANAS AND BALANCE DIET
- ✓ MEDITATION



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DATE : 1.3.2022 to 5.3.2022

VENUE: T327

COURSE IN CHARGE

R. ARUNBABU, AP/MCT

S. DHINAKAR, AP/MCT

COURSE OBJECTIVES

To enable the students to

- know about the history and schools of yoga
- know the difference between supreme consciousness and individual consciousness
- apply the knowledge by the way of practice and introspection

UNIT 1 INTRODUCTION

What is Yoga. History of Yoga - Yoga in today's scenario- Schools of Yoga.

UNIT 2 LIMBS OF YOGA

Eight Limbs of Yoga - Sathvic, Rajasic, Tamasic Foods and Thoughts - Science of Yoga Loosening Exercises.

UNIT 3 YOGA BENEFITS

Yogasanas & Benefits - Super Brain Yoga - Surya Namaskar Standing Asanas.

UNIT 4 ASANAS AND BALANCE DIET

Sitting Asanas - Prone Asanas - Supine Asanas; Nutrition and Balance Diet: Needs and Important. Significant of Nutritional Food - Tips for balance diet. Common Diseases for IT professionals: Common diseases – cause, prevention First aid for common sports injuries

UNIT 5 MEDITATION

Mudras Relaxation- Pranayama – Meditation - Meaning and definition; Principles of practicing; Basic Asana and it important, Pranayama and Meditation - Relaxation Techniques.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Understand the historical aspects and schools of yoga
- Ensure their physical & mental wellness through yoga practice
- Develop the power to concentrate and have stress free mind

TEXT BOOKS

1. Ramesh Partani, The Complete Secret, Ru Education, 2015.

REFERENCES

1. Iyengar B.K.S. Yoga: Wisdom & Practice, B.K.S. Iyengar, 2012.



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

DATE: 21.2.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "21MTVC601 - MEDITATION AND BALANCED DIET" for Sixth semester students from 1.3.2022 to 5.3.2022. The interested students are asked to enroll their names to the Course in-charges R. ARUNBABU, AP/MCT and S. DHINAKAR, AP/MCT on or before 25.2.2022.

Course in-charges: 1. R. ARUNBABU, AP/MCT - *[Signature]*

2. S. DHINAKAR, AP/MCT - *[Signature]*

[Signature]
HOB/MCT

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NAMAKKAL

DEPARTMENT OF MECHATRONICS

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III / VI

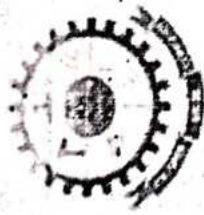
Name of the course : 21MTVC601 - MEDITATION AND BALANCED DIET

S. No	Register Number	Student Name	1.3.2022	2.3.2022	3.3.2022	4.3.2022	5.3.2022
1	19108001	ABINESH.S	/	/	/	/	/
2	19108003	ANTONYRAJ.M	/	/	/	/	/
3	19108005	ARJUN.O	/	/	/	/	/
4	19108006	ASHWIN. E.A	/	/	/	/	/
5	19108007	ASWIN SANTHOSH	/	/	/	/	/
6	19108008	BATHINA RAKESH	/	/	/	/	/
7	19108009	BHUVANSHANKAR.H	/	A	/	/	/
8	19108010	CHANDRUSTAR.M	/	/	/	/	/
9	19108012	DHARANIVENTHAN.R	/	/	/	/	A
10	19108013	DHARUN.M	/	/	/	/	/
11	19108014	DINAKARAN.S.P	/	/	/	/	/
12	19108015	ELAIYAGURU.M	/	/	/	/	/
13	19108016	EMBEATY ABHINAV	A	/	/	/	/
14	19108017	GOKUL.R	/	/	/	/	/
15	19108018	GOKUL.V	/	/	/	/	/
16	19108020	HARIKARAN.P	/	/	/	/	/
17	19108021	HARISH.B	/	/	/	/	/
18	19108022	HARISH.M	/	/	/	/	/
19	19108023	JAYASURYA.A	/	/	/	/	/
20	19108024	KUMARAGURU.M	/	/	A	/	/
21	19108025	LOGANATHAN.K	/	/	/	/	/
22	19108026	LOGESH.S	/	/	/	/	/

23	19108027	MAHESH KUMAR.K	A	/	/	/	/
24	19108028	MANIK ANDAN.J	/	/	/	/	/
25	19108030	MANOJKUMAR.R	/	/	/	/	/
26	19108031	MOHAMED AKRAM UMAR.M.B	/	/	A	/	/
27	19108032	MOHANATHAN.K	/	/	/	/	/
28	19108034	NAGA SIVA SANGARAPANDIAN.L	/	/	/	/	/
29	19108035	NAGAPANDIAN.G.C	/	/	/	/	/
30	19108036	NARAYANAN.V	/	/	/	/	/
31	19108037	PRAVEEN.P	/	/	/	/	/
32	19108038	PRAVEEN KUMAR.V	/	/	/	/	/
33	19108039	PRAVIN.P	/	/	/	/	/
34	19108040	RAGUL.R	/	/	/	/	/
35	19108041	RITHICKROSHAN.R	/	/	/	/	/
36	19108042	SANJAI.G	A	A	A	A	A
37	19108043	SANTHOSH.S.T	/	/	/	/	/
38	19108044	SUBANESAN.R	/	/	/	/	/
39	19108046	THIRUKUMAR.S	/	/	/	/	/
40	19108047	VENGADESH.G	/	/	/	/	/
41	19108048	VIGNESH.K	/	/	/	/	/
42	19108049	VIJAYASARATHI.E	/	/	/	A	/
43	19108050	VIKNESWARAN.M	/	/	/	/	/
44	19108051	VINOTH KUMAR S	/	/	/	/	/
45	19108052	YOKESHWARAN.R	/	/	/	/	/

Course in-charge

HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ABINESH.S

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

“21MTVC601 - MEDITATION AND BALANCED DIET”. The duration of the course is

30 hours (1.3.2022 to 5.3.2022).

Course in-charge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ANTONYRAJ.M

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

"21MTVC601 - MEDITATION AND BALANCED DIET". The duration of the course is

30 hours (1.3.2022 to 5.3.2022).

Course in-charge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ARJUN.O

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

“21MTVC601 - MEDITATION AND BALANCED DIET”. The duration of the course is

30 hours (1.3.2022 to 5.3.2022).

Course in-charge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ASHWIN. E.A

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

“21MTVC601 - MEDITATION AND BALANCED DIET”. The duration of the course is

30 hours (1.3.2022 to 5.3.2022).

Course in-charge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Mechatronics

CERTIFICATE

This is to certify that

ASWIN SANTHOSH

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

“21MTVC601 - MEDITATION AND BALANCED DIET”. The duration of the course is

30 hours (1.3.2022 to 5.3.2022).

Course in-charge

HOD

Principal



PAAVAI ENGINEERING COLLEGE
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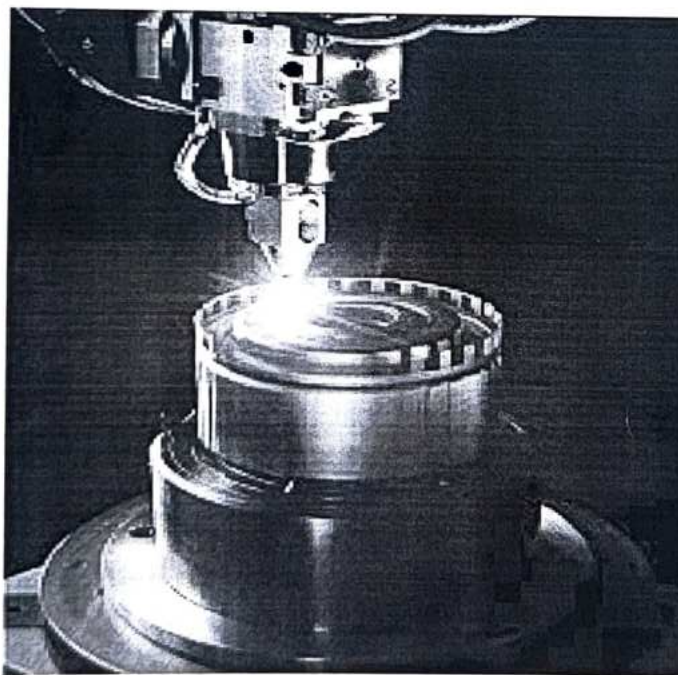
DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

21MTVC701 - INDUSTRIAL LASER SYSTEMS

COURSE CONTENT:

- ✓ INTRODUCTION
- ✓ SURFACE TREATMENT
- ✓ LASER WELDING
- ✓ ABSORPTIVITY



DATE : 2.8.2021 to 6.8.2021

VENUE: T326

COURSE IN CHARGE

S. MANIKANDAN, AP/MCT

K. JAGATHESWARAN, AP/MCT

COURSE OBJECTIVES

To enable the students to

- Know the industrial laser systems and interaction of laser radiation.
- aware the applications of lasers in various materials processing like cutting, welding, surface treatment.

UNIT 1 INTRODUCTION

High power laser systems - Focusing optics - Steering optics - Mechanisms - Overview of industrial lasers - CW & pulsed - Q-switched and Mode locked.

UNIT 2 SURFACE TREATMENT

Surface modification - surface cladding - surface alloying - Hard facing - Shock hardening - laser parameters for surface alloying - process variables - Beam profiles - Different methods to obtain desired penetration depths - Experimental set-up.

UNIT 3 LASER WELDING

Different modes of laser beam welding - Comparison between laser beam and electron beam welding - Influence of different parameters.

UNIT 4 ABSORPTIVITY

Welding speed - Focusing conditions - Advantages and limitations of laser welding - Laser welding of industrial materials

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- gain knowledge about metrological applications
- explain the various laser welding methods.

TEXT BOOKS

1. Ian W. Boyd, 'Laser Processing of Thin Films and Microstructures', Springer - Verlag, 2014.

REFERENCES

1. Duley W.W., 'Laser Processing and Analysis of Materials', Plenum Press, New York, 2012.



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL

DEPARTMENT OF MECHATRONICS

DATE: 19.7.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "21MTVC701 - INDUSTRIAL LASER SYSTEMS" for Seventh semester students from 2.8.2021 to 6.8.2021. 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 30.7.2021.

Course in-charges: 1. S. MANIKANDAN, AP/MCT - *S. Manikandan*

2. K. JAGATHESWARAN, AP/MCT - *K. Jagatheswar*

S. Manikandan
19/7/21
HOD/MCT

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NAMAKKAL
DEPARTMENT OF MECHATRONICS

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV / VII

Name of the course : 21MTVC701 - INDUSTRIAL LASER SYSTEMS

S. No	Register Number	Student Name	2.8.2021	3.8.2021	4.8.2021	5.8.2021	6.8.2021
1	18108001	ARAVINDHAN.S	/	/	/	/	/
2	18108002	ARUL SELVAM P	/	/	A	/	/
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	/	A	/	/	/
13	18108014	JEGAN.P	/	/	/	/	/
14	18108015	JENISH DE DAYTER. B	/	/	/	/	/
15	18108016	JOYSON CHRISTOPHER DIVINE	/	/	/	/	/
16	18108017	KARTHIK.T	A	A	A	A	A
17	18108018	KARTHIKEYAN.M	/	/	/	/	/
18	18108019	KISHORE KUMAR. N	/	/	/	/	/
19	18108020	MALARMOHANRAJ M	/	/	/	/	/
20	18108021	MANIKANDAN M	/	/	/	/	/
21	18108022	MANIKANDAN.S	/	/	/	/	/

22	18108023	MANOJ KUMAR G.V	/	/	/	/	/
23	18108024	NAVEEN. S	/	/	/	/	/
24	18108025	NITHISH KUMAR R	/	A	/	/	/
25	18108026	POOVARASU R	/	/	/	/	/
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29	18108031	TAMILKUMARAN.R	/	/	/	/	/
30	18108032	THARANI P	/	/	/	/	/
31	18108033	THINESH S.B.	/	/	/	/	/
32	18108034	THIRUVARUTSELVAN.V	A	A	A	A	A
33	18108035	UMAR MUKTHAR .M	/	/	/	/	/
34	18108036	VIJAY.S	/	/	/	/	/
35	18108037	VIKRAM.M	/	/	A	/	/
36	18108038	VITHURSAN.S	/	/	/	/	/
37	18108301	SATHISH.M	/	/	/	/	/
38	18108303	SRIRAM.R	A	A	A	A	A

B. ManiGandan
Course in-charge

21/12/24
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

"21MTVC701 - INDUSTRIAL LASER SYSTEMS". The duration of the course is

30 hours (2.8.2021 to 6.8.2021).

G. Muralidharan

Course in-charge

D. J. S. S.

HOD

P. S.

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

"21MTVC701 - INDUSTRIAL LASER SYSTEMS". The duration of the course is

30 hours (2.8.2021 to 6.8.2021).

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

"21MTVC701 - INDUSTRIAL LASER SYSTEMS". The duration of the course is

30 hours (2.8.2021 to 6.8.2021).

G. Menivelan

Course in-charge

D. J. S.

HOD

P.

Principal



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

"21MTVC701 - INDUSTRIAL LASER SYSTEMS". The duration of the course is

30 hours (2.8.2021 to 6.8.2021).



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

AYYANAR.C

of Paavai Engineering College, studying in Third year has successfully completed the Value Added Course

"21MTVC701 - INDUSTRIAL LASER SYSTEMS". The duration of the course is

30 hours (2.8.2021 to 6.8.2021).

G. Meni Sander

Course in-charge

D. Jayaraj

HOD

[Signature]

Principal



PAAVAI ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)

DEPARTMENT OF MECHATRONICS

VALUE ADDED COURSE

21MTVC801 - WOMEN EMPOWERMENT

COURSE CONTENT:

- ✓ FUNDAMENTAL CONCEPTS
- ✓ SOCIAL RESPONSIBILITIES
- ✓ ROLE IN ECONOMIC DEVELOPMENT
- ✓ POLITICAL PARTICIPATION
- ✓ SOCIAL ISSUES



WOMEN EMPOWERMENT

DATE : 1.3.2022 to 5.3.2022

VENUE: T326

COURSE IN CHARGE

Dr. D.R.P. RAJARATHNAM, PROF & HOD /MCT

A. ANISH BABU, AP/MCT

COURSE OBJECTIVES

To enable the students to

- sensitize the participants regarding the issues of gender and the gender inequalities prevalent.
- introduce gender sensitization and related issues.

UNIT 1 FUNDAMENTAL CONCEPTS

Definition - Objectives: Importance of Women's Studies; Women's Studies as an Academic Discipline; Role of UGC Centre for Women's Studies; Women's Studies in India and Abroad – Origin and Growth.

UNIT 2 SOCIAL RESPONSIBILITIES

Higher Education; Gender issues in Health, Environment, Family welfare Measures, Indecent representation of Women in media; Women in Difficult circumstances; Constitutional.

UNIT 3 ROLE IN ECONOMIC DEVELOPMENT

Role of Women in Economic Development – Female Poverty and Poverty alleviation programmes; Status of Women farmers and land rights; Women Entrepreneurs; Impact of Globalization on working women.

UNIT 4 POLITICAL PARTICIPATION

Political participation of women – Political Socialization - Women leaders in politics- Women in Local Governance- Barriers- Reservation policies- Women's Political Rights: CEDAW.

UNIT 5 SOCIAL ISSUES

Sex Ratio child marriage, Dowry & Property Rights, Violence against Women, Domestic violence, Female Headed Households', Women in the Unorganized sector of Employment.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- develop social consciousness among the students
- encourage capacity building among the students to enable them to engage in policy decisions
- remove gender biases in all fields of life in the process of gender equality for nation building

TEXT BOOKS

1. Amy S. Wharton. (2005). "The Sociology of Gender: An Introduction to Theory and Research". Key Themes in Sociology. Blackwell Publishing, UK, Indian Reprint, Kilaso Books, New Delhi.

REFERENCES

1. Maithreyi Krishna Raj. (1986). "Women Studies in India: Some Perspectives". Popular Prakasham, Bombay.



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL

DEPARTMENT OF MECHATRONICS

DATE: 21.2.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "21MTVC801 - WOMEN EMPOWERMENT" for Eight semester students from 1.3.2022 to 5.3.2022. The interested students are asked to enroll their names to the Course in-charges Dr. D.R.P. RAJARATHNAM, PROF & HOD /MCT and A. ANISH BABU, AP/MCT on or before 25.2.2022.

Course in-charges: 1. Dr. D.R.P. RAJARATHNAM, PROF & HOD/MCT 

2. A. ANISH BABU, AP/MCT — 


21/2/2022
HOD/MCT

Copy to:

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NAMAKKAL

DEPARTMENT OF MECHATRONICS

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV / VIII

Name of the course : 21MTVC801 - WOMEN EMPOWERMENT

S. No	Register Number	Student Name	1.3.2022	2.3.2022	3.3.2022	4.3.2022	5.3.2022
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	/	/	/	/	A
9	18108010	HARICHANDAR.D	/	/	/	/	/
10	18108011	HARIPRASATH N	/	/	/	/	/
11	18108012	HARISH.V	A	/	/	/	/
12	18108013	JEEVA S	/	/	/	/	/
13	18108014	JEGAN.P	/	/	/	/	/
14	18108015	JENISH DE DAYTER. B	/	/	/	/	/
15	18108016	JOYSON CHRISTOPHER DIVINE	/	/	/	/	/
16	18108017	KARTHIK.T	A	A	A	A	A
17	18108018	KARTHIKEYAN.M	/	/	/	/	/
18	18108019	KISHORE KUMAR. N	/	/	/	/	/
19	18108020	MALARMOHANRAJ M	/	/	/	/	/
20	18108021	MANIKANDAN M	/	/	/	/	/
21	18108022	MANIKANDAN.S	/	/	A	/	/

22	18108023	MANOJ KUMAR G.V	/	/	/	/	/
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24	18108025	NITHISH KUMAR R	/	/	/	/	/
25	18108026	POOVARASU R	/	/	/	/	/
26	18108027	PRAKASH M	/	/	/	/	/
27	18108029	SANJAY.S	A	A	A	A	A
28	18108030	SIVAKUMAR S	/	/	/	/	/
29	18108031	TAMILKUMARAN.R	/	/	/	/	/
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31	18108033	THINESH S.B.	/	/	/	/	/
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35	18108037	VIKRAM.M	/	/	/	/	/
36	18108038	VITHURSAN.S	/	/	/	/	/
37	18108301	SATHISH.M	/	/	/	A	/
38	18108303	SRIRAM.R	A	/	/	/	/

Aminish Babu
Course in-charge

[Signature]
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 Final year has successfully completed the Value Added Course

"21MTVC801 - WOMEN EMPOWERMENT". The duration of the course is

30 hours (1.3.2022 to 5.3.2022).

Arish Balu

Course in-charge

D. Jeyaraj

HOD

[Signature]

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 Final year has successfully completed the Value Added Course

“21MTVC801 - WOMEN EMPOWERMENT”. The duration of the course is

30 hours (1.3.2022 to 5.3.2022).

Arish Bala

Course in-charge

D. Jagan

HOD

P. R.

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 Final year has successfully completed the Value Added Course

“21MTVC801 - WOMEN EMPOWERMENT”. The duration of the course is

30 hours (1.3.2022 to 5.3.2022).

Arish Balu

Course in-charge

D. J. Balu

HOD

[Signature]

Principal



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 Final year has successfully completed the Value Added Course

“21MTVC801 - WOMEN EMPOWERMENT”. The duration of the course is

30 hours (1.3.2022 to 5.3.2022).

Avish Bala

Course in-charge

D. J. Balakrishnan

HOD

[Signature]

Principal



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Department of Mechatronics

CERTIFICATE

This is to certify that

AYYANAR.G

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

“21MTVC801 - WOMEN EMPOWERMENT”. The duration of the course is

30 hours (1.3.2022 to 5.3.2022).

Arish Bala

Course in-charge

D. J. S.

HOD

[Signature]

Principal

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

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DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE

21MDVC301- EMBEDDED PROGRAMMING USING ARDUINO

COURSE CONTENT

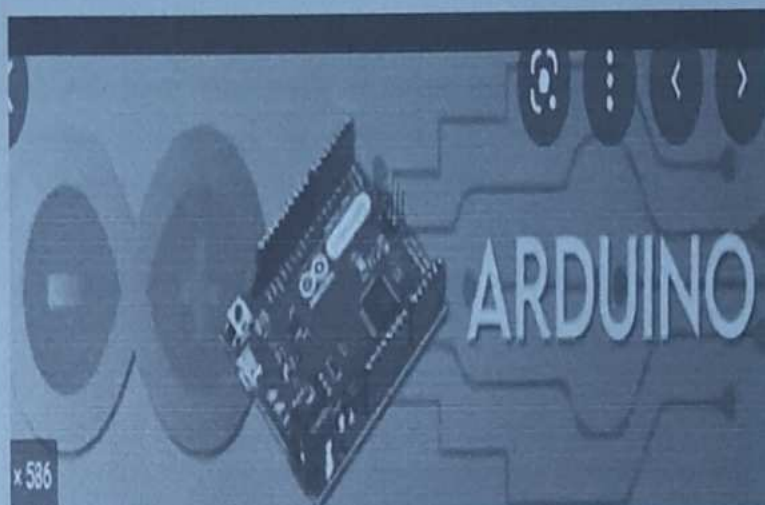
Module 1: Arduino Basics

Module 2: Arduino Function Libraries

Module 3: Arduino Sensors and Interfacing

Module 4: Arduino Interfacing and Real Time Projects

Module 5: Applications



DATE: 31.08.2021 – 04.09.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Mr. S.JOTHEESHWARAN, AP/MDE



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

DATE: 11.08.2021

CIRCULAR

It is planned to conduct Five days training course on **"21MDVC301 - EMBEDDED PROGRAMMING USING ARDUINO"** for 7th semester students from 31.08.2021 to 4.09.2021. The interested students are asked to enrol their name to the course coordinator Mr.S.JOTHEESHWARAN, AP/MDE on or before 20.08.2021.

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PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF MEDICAL ELECTRONICS

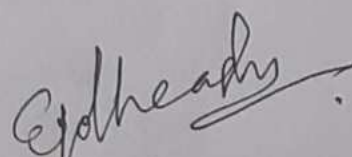
Value added course Attendance sheet

Academic Year: 2021-2022

Date: 31.08.2021

Name of the course: 21MDVC301 - Embedded programming using Arduino

S.No	Reg. No	Name	31.08.2021	01.09.2021	02.09.2021	03.09.2021	04.09.2021
1	18110001	Aishwarya S V	/	/	/	/	/
2	18110002	Dinesh R	/	/	/	/	/
3	18110003	Gokul V	/	/	/	/	/
4	18110004	Gowthami S	/	/	/	/	/
5	18110006	Kavin S	/	/	/	/	/
6	18110007	Maga G	/	/	/	/	/
7	18110008	Malathi B	/	/	/	/	/
8	18110010	Navamani K	/	/	/	/	/
9	18110009	Natesh R	/	/	/	/	/
10	18110013	Semmozhiselvan S	/	/	/	/	/
11	18110014	Suguna R	/	/	/	/	/
12	18110015	Thiruvarasan S	/	/	/	/	/
13	18110016	Vasunthera V	/	/	/	/	/
14	18110017	Vignesh R	/	/	/	/	/


Course Coordinator



PAAVAI ENGINEERING COLLEGE

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Department of Medical Electronics

CERTIFICATE

This is to certify

Aishwarya S V

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

programming using Arduino course from **31/08/2021** to **04/09/2021**

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 'S. S. S.', written over a horizontal line.

Principal

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



PAAVAI ENGINEERING COLLEGE

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Department of Medical Electronics

CERTIFICATE

This is to certify

Gokul V

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **Embedded programming using Arduino** course from **31/08/2021** to **04/09/2021**

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Course Coordinator

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

HOD

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

Principal



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Department of Medical Electronics

CERTIFICATE

This is to certify

Navamani K

of Paavai Engineering College, studying in FINAL Year has successfully completed the Embedded programming using Arduino course from 31/08/2021 to 04/09/2021

Course Coordinator

HOD

Principal



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Department of Medical Electronics

CERTIFICATE

This is to certify

Semmozhiselvan S

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **Embedded programming using Arduino** course from **31/08/2021** to **04/09/2021**

Course Coordinator

HOD

Principal



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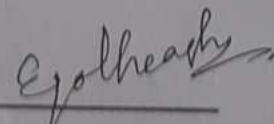
Department of Medical Electronics

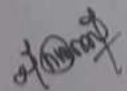
CERTIFICATE

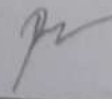
This is to certify

Vasunthera V

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the **Embedded programming using Arduino** course from **31/08/2021** to **04/09/2021**


Course Coordinator


HOD


Principal

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)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE

20MDVC301- OPEN SOURCE PROGRAMMING USING LINUX

COURSE CONTENT

Module 1: Introduction to LINUX

Module 2: Basics in Web Design

Module 3: Introduction to Open source

Module 4: Tagging Elements

Module 5: Applications



DATE: 30.08.2021– 04.09.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

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



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

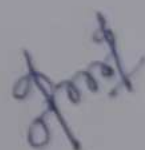
DEPARTMENT OF MEDICAL ELECTRONICS

DATE: 11.08.2021

CIRCULAR

It is planned to conduct Five days training course on "20MDVC301 – OPEN SOURCE PROGRAMMING USING LINUX" for 5th semester students from 31.08.2021 to 4.09.2021. The interested students are asked to enrol their name to the course coordinator Ms.N. JAYANTHI, AP/MDE on or before 20.08.2021.

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PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF BIOMEDICAL ENGINEERING

Value added course Attendance sheet

Academic Year: 2021-2022


Date: 31.08.2021

Name of the course: 20MDVC301 - Open Source Programming using LINUX

S.No	Reg. No	Name	31.08.2021	01.09.2021	02.09.2021	03.09.2021	04.09.2021
1	19110001	Aravindkumar.S	/	/	/	/	/
2	19110002	Arulkumar.K	/	/	/	/	/
3	19110003	Aswini.A	/	/	/	/	/
4	19110004	Atchaya.M	/	/	a	a	a
5	19110006	Bavithra.R	/	/	/	/	/
6	19110007	Devika.M	/	/	/	/	/
7	19110008	Gnanapriyadhashini.R	/	/	/	/	/
8	19110009	Gogul Prasath.R	/	/	/	/	/
9	19110010	Gowrishankar.K	/	/	/	/	/
10	19110012	Jayavarshini.J	/	/	/	/	/
11	19110013	Kalpana.P	/	/	/	/	/
12	19110014	Kamali.M	/	/	/	/	/
13	19110016	Karthick.K	/	/	/	/	/

14	19110017	Karthick.K	/	/	/	/	/
15	19110018	Kaviya.A	/	/	/	/	/
16	19110019	Kishore.M	/	/	/	/	/
17	19110020	Kowsalya.M	/	/	/	/	/
18	19110021	Logesh.S	/	/	/	/	/
19	19110022	Madhumitha.R	/	/	/	/	/
20	19110023	Mahesh.M	/	/	/	/	/
21	19110024	Manojkumar.S	/	/	/	/	/
22	19110025	Marimuthu.R	/	/	/	/	/
23	19110026	Mohandoss.S	/	/	/	/	/
24	19110027	Manoj.S	/	/	/	/	/
25	19110029	Nidharshana.L	/	/	/	/	/
26	19110030	Nithya.P	/	/	/	/	/
27	19110031	Priyadharshini.K	/	/	/	/	/
28	19110032	Priyadharshini.R	/	/	/	/	/
29	19110034	Ragavi.R	/	/	/	/	/
30	19110037	Saqhibuddeen Ahmed F	/	/	/	/	/
31	19110038	Saran.S	/	/	/	/	/
32	19110039	Sathyajothi.M	/	/	/	/	/
33	19110040	Seenivasan.A	/	/	/	/	/

34	19110041	Sri joshini.S	/	/	/	/	/
35	19110042	Sundar.M	/	/	/	a	/
36	19110045	Vidhyasagar.S	/	/	/	/	/
37	19110047	Vishnu.P	/	/	/	/	/
38	19110501	Periyasamy.K	a	a	/	/	a


 Course Coordinator



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Medical Electronics

CERTIFICATE

This is to certify

Bavithra.R

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

Programming using LINUX course from **31/08/2021** to **04/09/2021**

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Medical Electronics

CERTIFICATE

This is to certify

Gowrishankar.K

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

Programming using LINUX course from **31/08/2021** to **04/09/2021**

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Medical Electronics

CERTIFICATE

This is to certify

Kishore.M

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

Programming using LINUX course from **31/08/2021** to **04/09/2021**

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

Course Coordinator

A handwritten signature in blue ink, appearing to be 'S. J. 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

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Department of Medical Electronics

CERTIFICATE

This is to certify

Marimuthu.R

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **Open Source**
Programming using LINUX course from **31/08/2021** to **04/09/2021**

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

Course Coordinator

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

HOD

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

Principal



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Department of Medical Electronics

CERTIFICATE

This is to certify

Priyadharshini.R

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **Open Source**
Programming using LINUX course from **31/08/2021** to **04/09/2021**

A handwritten signature in black ink, appearing to be 'D. L. Shu'.

Course Coordinator

A handwritten signature in black ink, appearing to be 'S. J. Senthil'.

HOD

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

Principal

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
- apprehend and analyze the working of hyperlinks , Images and Multimedia, Working with Forms and controls
- visualize the basics of concept and properties 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

TOTAL PERIODS 30



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE

19MDVC301- HYPERTEXT MARKUP LANGUAGE

COURSE CONTENT

Module 1: Web Design Principles

Module 2: Basics in Web Design

Module 3: Introduction to HTML

Module 4: Tagging Elements

Module 5: Introduction to CSS



DATE: 31.08.2021 – 04.09.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Ms. PRAVEENA AP/MDE



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

DATE: 11.08.2021

CIRCULAR

It is planned to conduct Five days training course on “19MDVC301 – HYPERTEXT MARKUP LANGUAGE” for 3rd semester students from 31.08.2021 to 4.09.2021. The interested students are asked to enrol their name to the course coordinator Ms. PRAVEENA AP/MDE on or before 20.08.2021.

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PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF BIOMEDICAL ENGINEERING

Value added course Attendance sheet

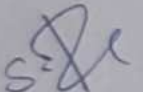
Academic Year: 2021-2022

Date: 31.08.2021

Name of the course: 19MDVC301 - Hypertext markup Language

S.No	Reg. No	Name	31.08.2021	01.09.2021	02.09.2021	03.09.2021	04.09.2021
1	20110002	Elamugilan M	/	/	/	/	/
2	20110003	Elavarasan V	/	/	/	/	/
3	20110004	Initha S	/	/	/	/	/
4	20110005	Jaisonprabhu S	/	/	/	/	/
5	20110006	Jana P	/	/	/	/	/
6	20110007	Jananai J	/	/	/	/	/
7	20110008	Jothiprakash P	/	/	/	/	/
8	20110009	Kaviya R	/	/	/	/	/
9	20110010	kiruthika S	/	/	/	/	/
10	20110011	Maiyalagan D	/	/	/	/	/
11	20110012	Makilnath M	/	/	/	/	/
12	20110013	Nivetha D	/	/	/	/	/

13	20110014	Pichandi R	/	/	/	/	/
14	20110015	Pouankumar R	/	/	/	/	/
15	20110017	Ranjith M	/	/	/	/	/
16	20110018	Ravichandran R	/	/	/	/	/
17	20110019	Sharan M	/	/	/	/	/
18	20110020	Sunilgavaskar R	/	/	/	/	/
19	20110021	Suryaprakash G	/	/	/	/	/
20	20110022	Vasudevan R	/	/	/	/	/
21	20110023	Vigneshwar S	/	/	/	/	/
22	20110024	Yuvasri M	/	/	/	/	/
23	20110025	Yuvasri v	/	/	/	/	/


Course Coordinator



PAAVAI ENGINEERING COLLEGE

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

Department of Medical Electronics

CERTIFICATE

This is to certify

Elavarasan V

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **Hypertext markup Language** course from **31/08/2021** to **04/09/2021**

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. V.', written over a horizontal line.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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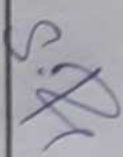
Department of Medical Electronics

CERTIFICATE

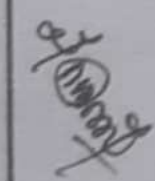
This is to certify

JANANI J

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the Hypertext
markup Language course from 31/08/2021 to 04/09/2021



Course Coordinator



HOD



Principal



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Department of Medical Electronics

CERTIFICATE

This is to certify

KAVIYA R

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **Hypertext markup Language** course from **31/08/2021 to 04/09/2021**



Course Coordinator



HOD



Principal



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Department of Medical Electronics

CERTIFICATE

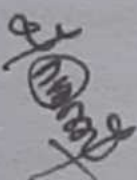
This is to certify

SURYA PRAKASH G

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **Hypertext markup Language** course from **31/08/2021** to **04/09/2021**



Course Coordinator



HOD



Principal

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Department of Medical Electronics

CERTIFICATE

This is to certify

NIVETHA D

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **Hypertext**
markup Language course from **31/08/2021** to **04/09/2021**

Course Coordinator



HOD



Principal



COURSE OBJECTIVES

To enable the students to

- learn the basic of LABVIEW
- acquire the knowledge on DAQ using LABVIEW
- acquire the knowledge on embedded device using LABVIEW

UNIT I BASICS OF LABVIEW**8**

Basics of LABVIEW - Numericals, Booleans and comparators, Loops, For loops, while loops, Flat sequence, Structures, Case structure, Event structure, Formula node, Local and global variable, Data handling instruction, Strings, Matrix, File IO, Clusters, Waveform and wavechart, Final Module test

UNIT II LABVIEW WITH DAQ-USB-6009**10**

Theory of DAQ card; Hardware Interfaces- Acquiring and generation of Digital signals, Acquiring analog values in DE and RSE method, Generating analog output, Integration of DAQ card with embedded devices

UNIT III EMBEDDED DEVICE WITH LABVIEW**12**

Standalone file and installer development, web server, Remote panel creation and testing, Webserver monitoring with LabVIEW, Hardware interfacing with LabVIEW, UART-Communication, Simplex, Half Duplex, Full Duplex, Led with switch, Lm35 sensor, RFID, Bluetooth, Zigbee, Glucose Level Monitoring, Heart beat detection

TOTAL PERIODS 30**COURSE OUTCOMES**

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

- learn the tools involved in the LABVIEW
- apply the knowledge on DAQ using LABVIEW
- apply the knowledge on embedded device using LABVIEW

TEXT BOOKS

1. National Instruments Inc. <http://www.ni.com/academic/students/learn-labview>



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE

21MDVC401- LABVIEW PROGRAMMING

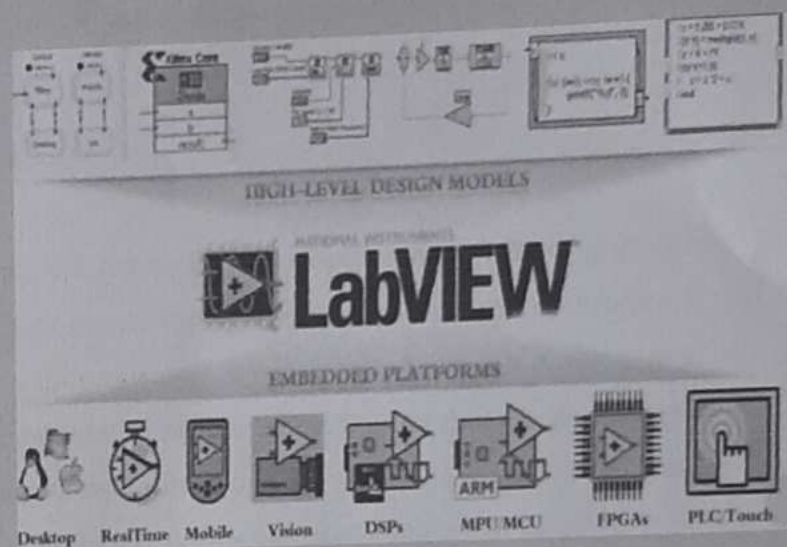
COURSE CONTENT

Module 1: Basics of LABVIEW

Module 2: LABVIEW with DAQ-USB-6009

Module 3: Embedded device with LABVIEW

Module 4: Applications



DATE: 23.11.2021 – 27.11.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

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



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

DATE: 08.11.2021

CIRCULAR

It is planned to conduct Five days training course on “**21MDVC401 - Labview Programming**” for 8th semester students from 23.11.2021 to 27.11.2021. The interested students are asked to enrol their name to the course coordinator Ms. S. Senthamil, AP/MDE on or before 16.11.2021.

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HOD

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

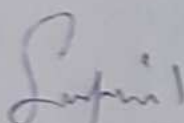
Value added course Attendance sheet

Academic Year: 2021-2022

Date: 23.11.2021

Name of the course: 21MDVC401 - Labview Programming

S.No	Reg. No	Name	23.11.2021	24.11.2021	25.11.2021	26.11.2021	27.11.2021
1	18110001	Aishwarya S V	/	/	/	/	/
2	18110002	Dinesh R	/	/	/	/	/
3	18110003	Gokul V	/	/	/	/	/
4	18110004	Gowthami S	/	/	/	/	/
5	18110006	Kavin S	/	/	/	/	/
6	18110007	Maga G	/	/	/	/	/
7	18110008	Malathi B	/	/	/	/	/
8	18110010	Navamani K	/	/	/	a	/
9	18110009	Natesh R	/	a	a	a	/
10	18110013	Semmozhiselvan S	/	/	/	/	/
11	18110014	Suguna R	/	/	/	/	/
12	18110015	Thiruvarasan S	/	/	/	/	/
13	18110016	Vasunthera V	/	/	/	/	/
14	18110017	Vignesh R	/	/	/	/	/


Course Coordinator

PAAVAI ENGINEERING COLLEGE

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

Department of Medical Electronics

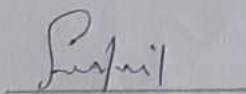
CERTIFICATE

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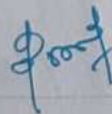
Aishwarya S V

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

Programming course from **23/11/2021** to **27/11/2021**



Course Coordinator



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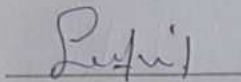
Department of Medical Electronics

CERTIFICATE

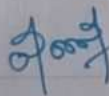
This is to certify

Gokul V

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the the **Labview Programming** course from **23/11/2021** to **27/11/2021**



Course Coordinator



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Department of Medical Electronics

CERTIFICATE

This is to certify

Navamani K

of Paavai Engineering College, studying in **FINAL Year** has successfully completed the the **Labview Programming** course from **23/11/2021** to **27/11/2021**

Course Coordinator

HOD

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Department of Medical Electronics

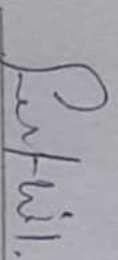
CERTIFICATE

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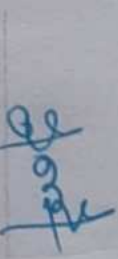
Semmozhiselvan S

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

Programming course from 23/11/2021 to 27/11/2021



Course Coordinator



HOD



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Department of Medical Electronics

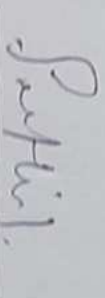
CERTIFICATE

This is to certify

Vasunthera V

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

Programming course from **23/11/2021** to **27/11/2021**



Course Coordinator



HOD



Principal

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)

DEPARTMENT OF MEDICAL ELECTRONICS

VALUE ADDED COURSE

20MDVC401- MATLAB PROGRAMMING

COURSE CONTENT

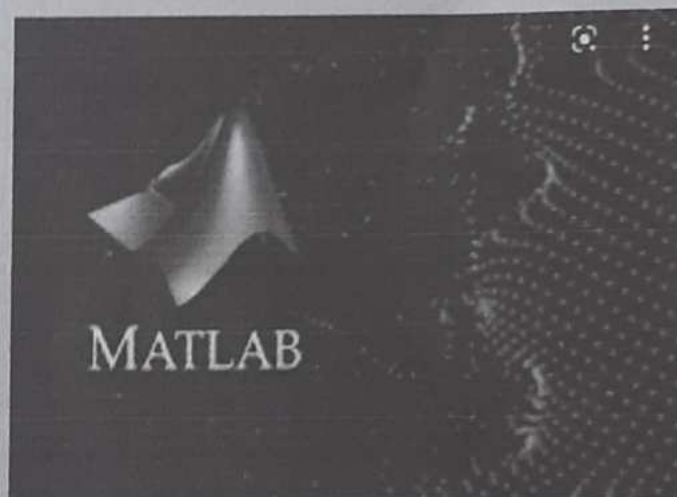
Module 1: Basics of MATLAB

Module 2: System modeling

Module 3: Architecture Design

Module 4: Biomedical Signal And Image Processing

Module 5: Graphical User Interface



DATE: 23.11.2021 - 27.11.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

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



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

DATE: 08.11.2021

CIRCULAR

It is planned to conduct Five days training course on “**20MDVC401 - MATLAB programming**” for 6th semester students from 23.11.2021 to 27.11.2021. The interested students are asked to enrol their name to the course coordinator Mr. S. Jotheshwaran, AP/BME on or before 16.11.2021.

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Value added course Attendance sheet

Academic Year: 2021-2022

Date: 23.11.2021

Name of the course: 20MDVC401 - MATLAB programming

S.No	Reg. No	Name	23.11.2021	24.11.2021	25.11.2021	26.11.2021	27.11.2021
1	19110001	Aravindkumar.S	/	/	/	/	/
2	19110002	Arulkumar.K	/	/	/	/	/
3	19110003	Aswini.A	/	/	/	/	/
4	19110004	Atchaya.M	/	/	/	/	/
5	19110006	Bavithra.R	/	/	/	/	/
6	19110007	Devika.M	/	/	/	/	/
7	19110008	Gnanapriyadhashini.R	/	/	/	/	/
8	19110009	Gogul Prasath.R	/	/	/	/	/
9	19110010	Gowrishankar.K	/	/	/	/	/
10	19110012	Jayavarshini.J	/	/	/	/	/
11	19110013	Kalpana.P	/	/	/	/	/
12	19110014	Kamali.M	/	/	/	/	/
13	19110016	Karthick.K	/	/	/	/	/

14	19110017	Karthick.K	/	/	/	/	/
15	19110018	Kaviya.A	/	/	/	/	/
16	19110019	Kishore.M	/	/	/	/	/
17	19110020	Kowsalya.M	/	/	/	/	/
18	19110021	Logesh.S	/	/	/	/	/
19	19110022	Madhumitha.R	/	/	/	/	/
20	19110023	Mahesh.M	/	/	/	/	/
21	19110024	Manojkumar.S	/	/	/	u	/
22	19110025	Marimuthu.R	/	/	/	/	/
23	19110026	Mohandoss.S	/	/	/	/	/
24	19110027	Manoj.S	/	/	/	/	/
25	19110029	Nidharshana.L	/	/	/	/	/
26	19110030	Nithya.P	/	/	/	/	/
27	19110031	Priyadharshini.K	/	/	/	/	/
28	19110032	Priyadharshini.R	/	/	/	/	/
29	19110034	Ragavi.R	/	/	/	/	/
30	19110037	Saqhibuddeen Ahmed F	/	/	/	/	/
31	19110038	Saran.S	/	/	/	/	/
32	19110039	Sathyajothi.M	/	/	/	/	/
33	19110040	Seenivasan.A	/	/	/	/	/

34	19110041	Sri joshini.S	/	/	/	/	/
35	19110042	Sundar.M	/	/	/	/	/
36	19110045	Vidhyasagar.S	/	/	/	/	/
37	19110047	Vishnu.P	/	/	/	/	/
38	19110501	Periyasamy.K	/	/	/	/	/

A. J. J. J.
Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Medical Electronics

CERTIFICATE

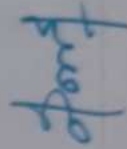
This is to certify

Bavithra.R

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **MATLAB**
programming course from **23/11/2021** to **27/11/2021**



Course Coordinator



HOD



Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

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


Department of Medical Electronics

CERTIFICATE

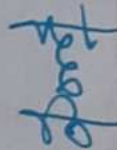
This is to certify

Gowrishankar.K

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **MATLAB**
programming course from **23/11/2021** to **27/11/2021**



Course Coordinator



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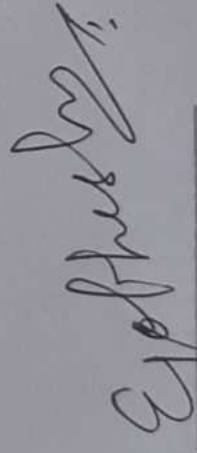
Department of Medical Electronics

CERTIFICATE

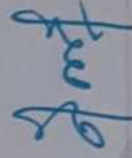
This is to certify

Kishore.M

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **MATLAB**
programming course from **23/11/2021** to **27/11/2021**



Course Coordinator



HOD



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Department of Medical Electronics

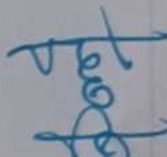
CERTIFICATE


This is to certify

Marimuthu.R

of Paavai Engineering College, studying in **THIRD Year** has successfully completed the **MATLAB**
programming course from **23/11/2021** to **27/11/2021**


Course Coordinator


HOD


Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

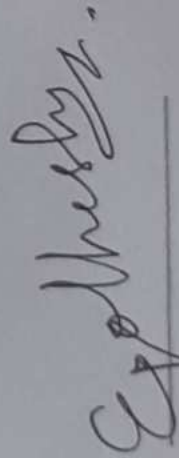
Department of Medical Electronics

CERTIFICATE

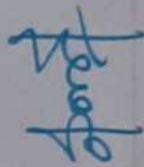
This is to certify

Priyadharshini.R

of Paavai Engineering College, studying in **THIRD** Year has successfully completed the **MATLAB**
programming course from **23/11/2021** to **27/11/2021**



Course Coordinator



HOD



Principal

COURSE OBJECTIVES

To enable the students to

- To acquaint with the basic concepts of embedded system product development cycle and modelling.
- To introduce IoT architecture reference model
- To introduce Network and channel aware communication Topologies and Hierarchy
- To introduce IoT architecture standards for different use case under discussion.
- 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,

Module-5 IoT Standards

IOT Requirement of international standard (case study), IOT standards in practice, Operating platforms /systems



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE

19MDVC401- INTERNET CONNECTED OBJECT

COURSE CONTENT

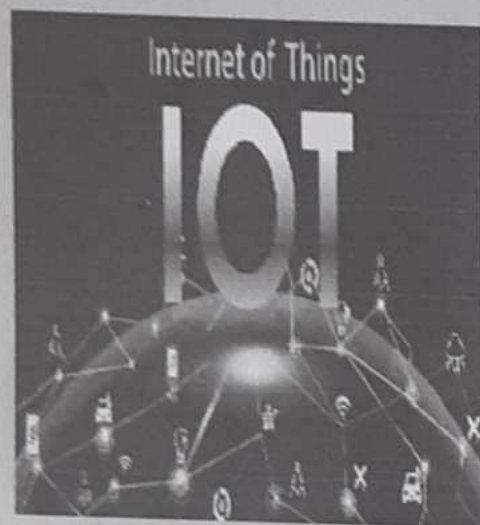
Module 1: Basics of Embedded Systems

Module 2: System Modeling

Module 3: Architecture

Module 4: IOT communication architecture

Module 5: IOT standards



DATE: 23.11.2021 – 27.11.2021

VENUE: BIOMEDICAL SIGNAL PROCESSING LABORATORY

COURSE COORDINATOR: Mr. D. Murugesan, ASP/BME



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)


DEPARTMENT OF MEDICAL ELECTRONICS

DATE: 08.11.2021

CIRCULAR

It is planned to conduct Five days training course on “**19MDVC401 - Internet connected Object**” for 4th semester students from 23.11.2021 to 27.11.2021. The interested students are asked to enrol their name to the course coordinator Mr. D. Murugesan, ASP/BME on or before 16.11.2021.

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PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF BIOMEDICAL ENGINEERING

Value added course Attendance sheet

Academic Year: 2021-2022

Date: 23.11.2021

Name of the course: 19MDVC401 - Internet connected Object

S.No	Reg. No	Name	23.11.2021	24.11.2021	25.11.2021	26.11.2021	27.11.2021
1	20110002	Elamugilan M	/	/	/	/	/
2	20110003	Elavarasan V	/	/	/	/	/
3	20110004	Initha S	/	/	/	/	/
4	20110005	Jaisonprabhu S	/	/	/	/	/
5	20110006	Jana P	/	/	/	/	/
6	20110007	Jananai J	/	/	/	/	/
7	20110008	Jothiprakash P	/	a	a	/	/
8	20110009	Kaviya R	/	/	/	/	/
9	20110010	kiruthika S	/	/	/	/	/
10	20110011	Maiyalagan D	/	/	/	/	/
11	20110012	Makilnath M	/	/	/	/	/
12	20110013	Nivetha D	/	/	/	/	/

13	20110014	Pichandi R	/	/	/	/	/
14	20110015	Pounkumar R	/	/	/	/	/
15	20110017	Ranjith M	/	/	/	/	/
16	20110018	Ravichandran R	/	/	/	/	/
17	20110019	Sharan M	/	/	/	/	/
18	20110020	Sunilgavaskar R	/	/	/	/	/
19	20110021	Suryaprakash G	/	/	/	/	/
20	20110022	Vasudevan R	/	/	/	/	/
21	20110023	Vigneshwar S	/	/	/	/	/
22	20110024	Yuvasri M	/	/	/	/	/
23	20110025	Yuvasri v	/	/	/	/	/


Course Coordinator

PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Medical Electronics

CERTIFICATE

This is to certify

Elavarasan V

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **Internet connected Object** course from **23/11/2021** to **27/11/2021**

Course Coordinator

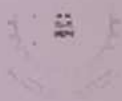


HOD



Principal





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Department of Medical Electronics

CERTIFICATE

This is to certify

JANANI J

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **Internet connected Object** course from **23/11/2021** to **27/11/2021**

Course Coordinator

HOD

Principal



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Department of Medical Electronics

CERTIFICATE

This is to certify

KAVIYA R

of Paavai Engineering College, studying in **SECOND** Year has successfully completed the **Internet connected Object** course from **23/11/2021** to **27/11/2021**

Course Coordinator

HOD

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(Autonomous)

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

Department of Medical Electronics

CERTIFICATE

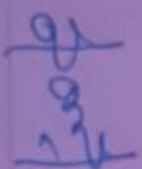
This is to certify

SURYA PRAKASH G

of Paavai Engineering College, studying in SECOND Year has successfully completed the Internet
connected Object course from 23/11/2021 to 27/11/2021



Course Coordinator



HOD



Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

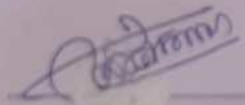
Department of Medical Electronics

CERTIFICATE

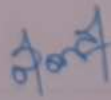
This is to certify

NIVETHA D

of Paavai Engineering College, studying in **SECOND Year** has successfully completed the **Internet connected Object** course from **23/11/2021 to 27/11/2021**



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

Fuel Cell Technology

On AUGUST 2nd to 6th 2021

Venue: T-304

Mr.C.P.Murali
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: 25.07.2021

CIRCULAR

It is planned to conduct Six Days Training Course on "**Fuel Cell Technology**" for fifth semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their name to the course coordinator Dr.C.P.Murali / Chemical on or before 29.07.2021.(Spot registration can also be permitted).

Course Co-ordinator: Dr.C.P.Murali/ Chemical


HOD/CHEMICAL

Copy to :

Notice board

COURSE OBJECTIVES:**To enable the students to**

- To understanding the performance characteristics of fuel cell power plant
- To outline the performance and design the operating issues
- To discuss the design philosophy and challenges to power plant

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

- To produce electricity and heat as long as fuel is supplied
- To design two types of cells and electrodes

Unit I: Fundamentals**10**

Electrochemical cells, electrolytic cell, galvanic cell, construction and working. Faraday's law of electrolysis, problems on displacements, classification of electrodes. Nernst's theory, single electrode potential, EMF of cell. EMF series, common types of cells.

Unit II: CONVENTION**10**

Potential convention, current conventions, equilibrium constants, mass transfer limited current, Cottrell equation, factors affecting reaction rate and current. mechanism involving electrode reactions, reversibility kinetics, Butler-Volmer Equations.

Unit III: Hydrogen fuel cell**10**

Introduction to hydrocarbon based fuel cells, general issues, fossil fuels and other fuels used, H₂ production from renewable sources and storage, working of H₂ fuel cell, safety issues, steam reforming, internal reforming, cost estimation.

TOTAL 30HRS**REFERENCE BOOKS:**

1. Boris John O'm, Stinivasan S., "Fuel cells-their electrochemistry". McGraw Hill 1969.
2. Appleby A.J. Frakes F. R., "Fuel cell handbook". Van Nostrand Reinhold 1989.

TEXT BOOKS:

1. Kordesch Karl, Simader G., "Fuel cells and their applications", VCH publications 1996.
2. US Department of energy. "Fuel cell: a handbook", 5. Leo J.M.J., Blomen. Mugerwa M. N.. "Fuel cell systems", Plenum Press.

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic year: 2021- 2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year /Semester : III / V

Name of the course : CM21VC501 - Fuel Cell Technology

S.No	Reg no	Student name	2/8/21	3/8/21	11/8/21	5/8/21	6/8/21
1	19201001	ADHESHRAJ G	/	/	/	/	/
2	19201002	AJINA A T	/	/	/	/	/
3	19201003	ALEX YADHITHYANA	/	/	/	/	/
4	19201004	ARWIND C	/	/	/	/	/
5	19201005	ARCHANA J	/	/	/	/	/
6	19201006	ASWIN N	/	/	/	/	/
7	19201007	BADRINARAYANAN A	0	/	/	/	/
8	19201008	BRIJNO JOSE B S	/	/	/	/	/
9	19201009	DHANUSH KUMAR S V	/	/	/	0	/
10	19201010	DINESH KUMAR M	/	/	/	/	/
11	19201011	DHINAGAR B K	/	/	/	/	/
12	19201012	EDISON C P	/	/	/	/	/
13	19201013	GOPI R	0	0	0	0	0
14	19201014	GOBINATH P	/	/	/	/	/
15	19201015	GOWTHAME	/	/	/	/	/
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	0	0	0	0	0
22	19201022	KAVIYARASAN R	/	/	/	/	/
23	19201023	LAKSHITHA B	/	/	/	/	/
24	19201024	LEENAILAMATHIS	/	/	/	0	/
25	19201025	MADHAVAN K	/	/	/	/	/
26	19201026	MANOJ P	/	/	/	/	/
27	19201027	MUNEESWARAN M	0	/	/	/	/

28	19201030	PRATHIKSHA.K	/	/	/	/	/
29	19201031	PRATHIP KUMAR.S	/	/	/	/	/
30	19201032	PRAVEEN.G	/	/	/	/	/
31	19201033	RAGUPATHI.P	/	/	/	/	/
32	19201034	SANJAY.S	a	a	a	a	a
33	19201035	SARAN KUMAR.J	/	/	/	/	/
34	19201036	SATHIYA PRAKASH.S	/	/	/	/	/
35	19201037	SENTHIL KUMAR.S	/	/	/	/	/
36	19201038	SRIDHAR.R	a	a	a	a	a
37	19201039	SRIRAM.T	/	/	/	/	/
38	19201041	VEERA MANI.K	/	/	/	/	a
39	19201042	VISWAKANNAN.V	/	/	/	/	/
40	19201043	YOGARAJ.S	/	a	/	/	/


COURSE CO-ORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE
(An Autonomous Institution affiliated to Anna university, Chennai)

B.TECH – CHEMICAL ENGINEERING
CM21VC501 - FUEL CELL TECHNOLOGY
VALUE ADDED COURSE – ASSESSMENT-1
ACADEMIC YEAR (2021-2022)

Time: 30minutes

Maximum Marks:20
(20×1=20)

1. Fuel cell converts chemical energy to electrical energy using a reaction that
 - a) eliminates combustion of fuel
 - b) requires combustion of fuel.
 - c) requires no ignition of fuel
 - d) fuel is not requires
2. Fuel cell performance is not limited by
 - a) First law of Thermodynamics
 - b) Second law of Thermodynamics
 - c) Third law of Thermodynamics
 - d) All three laws are applicable
3. For which of these devices does negative charge carriers flow from anode to cathode in the external circuit?
 - a) MHD generator
 - b) Thermionic generator
 - c) Thermoelectric generator
 - d) Fuel cell
4. The fuel cell is considered a battery is continuously in which replaced.
 - a) fuel only
 - b) oxidizer
 - c) both fuel and oxidizer
 - d) none of the mentioned
5. The type of reactions in a fuel cell is not determined by.
 - a) fuel and oxidizer combination
 - b) composition of electrolyte
 - c) materials of anode and cathode
 - d) catalytic effects of reaction container
6. What is the voltage output of hydrogen-oxygen fuel cell?(in V)
 - a)-1.23
 - b)-1.45

- c) -1.01
- d) -.93

7. What is the voltage output of carbon-oxygen fuel cell?

- a) -.91
- b) -1.24
- c) -1.02
- d) -1.17

8. What is the voltage output of methane-oxygen fuel cell

- a) -1.16
- b) -1.06
- c) -1.26
- d) -0.96

9. Which of these gases or liquids are not used as source of hydrogen in fuel cells?

- a) C₂H₆
- b) C₂H₄
- c) C₆H₆
- d) C₂H₅OH

10. The hydrocarbons cracked with steam in fuel cells do not give rise to

- a) CO
- b) CO₂
- c) H₂
- d) H₂O

11. A fuel cell is a type of electrochemical cell.

- a) True
- b) False

12. Which of the following is used as an electrolyte in an H₂-O₂ fuel cell?

- a) KOH
- b) NH₄OH
- c) Fe(OH)₃
- d) Cu(OH)₂

13. Which of the following can be used as fuel in a fuel cell?

- a) Nitrogen
- b) Argon
- c) Hydrogen
- d) Helium

14. Which of the following is not a fuel cell?

- a) PEM cell
- b) Direct methanol cell
- c) Solid oxide cell
- d) Daniell cell

15. Which of the following is not produced in an H_2/O_2 fuel cell?

- a) Electricity
- b) Pollutants.
- (c) Heat
- d) Water

16. Which of the following is supplied to the cathode of a fuel cell?

- a) Hydrogen
- b) Nitrogen
- c) Oxygen
- d) Chlorine

17. Who invented the first fuel cell?

- a) Francis Bacon
- b) Thomas Grubb
- c) Leonard Niedrach
- d) William Grove

18. What is the maximum theoretical energy efficiency of a fuel cell?

- a) 100%
- b) 69%
- c) 50%
- d) 83%

19. Which of the following statements regarding fuel cells is false?

- a) Because of continuous supply, fuel cells never become dead
- b) They do not cause pollution
- c) Fuel cells have 100% efficiency practically
- d) The cost of catalysts needed for the electrode reactions is high

20. Which of the following are the common ways to produce H_2 gas in a fuel cell?

- a) Coal and biomass gasification
- b) Electrolysis and absorption
- c) Steam reforming and electrolysis
- d) Electromagnetism and steam

PAAVAI ENGINEERING COLLEGE
(An Autonomous Institution affiliated to Anna university, Chennai)

B.TECH – CHEMICAL ENGINEERING
CM21VC501 - FUEL CELL TECHNOLOGY
VALUE ADDED COURSE – ASSESSMENT-1I
ACADEMIC YEAR (2021-2022)

Time: 1 hour

Maximum Marks :25

(25×1=25)

1. What is the main principle of electroplating?
 - a) Hydrolysis
 - b) Neutralization
 - c) Esterification
 - d) Saturation
2. Select the incorrect statement from the following option.
 - a) Fuel cells have high efficiency
 - b) The emission levels of fuel cells are far below the permissible limits
 - c) Fuel cells are modular
 - d) The noise levels of fuel cells are high
3. _____ and suitable catalyst are required to promote high rate of electrode processes.
 - a) Lower temperature
 - b) Higher temperature
 - c) Moderate temperature
 - d) Very low temperature
4. If the pressure of mercury bath is maintained at 30 ATM and the concentration of mercury is 89 g, calculate the temperature at that pressure (given, the gas constant is 8.314 J/mol. K).
 - a) 660
 - b) 456.8
 - c) 321.14
 - d) 765.09
5. What will happen if the electroplating conditions are exceeded in a system?
 - a) The process will come to halt
 - b) Excess metal deposition will take place
 - c) Electrolyte leakage will take place
 - d) Impurities will not be removed
6. What should be the minimum amount of current that has to be passed to get leakage free metal.
 - a) 240 A
 - b) 200 A
 - c) 350 A
 - d) 100 A

7. Where does pure metal gets deposited after passing current?
- Cathode
 - Anode
 - Electrolyte
 - Negative pole
8. The standard emf of the hydrogen-oxygen fuel cell is
- 1.23 V
 - 2.54 V
 - 3.96 V
 - 0.58 V
9. The residual product discharged by the hydrogen-oxygen cell is
- Hydrogen peroxide
 - Alcohol
 - Water
 - Potassium permanganate
10. Fuel cells are free from vibrations, heat transfer and thermal pollution.
- True
 - False
11. A stable interface between solid liquid and gaseous promotes high rate of electrode processes.
- Fuel, electrolyte, electrode
 - Electrode, fuel, electrolyte
 - Electrode, electrolyte, fuel
 - Fuel, electrode, electrolyte
12. What is the cause of the formation of the depletion layer?
- Deletion in charge carriers
 - Leakage current
 - Deposition of extra layer on pure metal
 - Extra depletion
13. Calculate the concentration of the metal formed from the given data. $T=340, P=120, R=8.314$
- 120
 - 240
 - 23.56
 - 44
14. Which of the following is wrong about the working conditions of electroplating?
- Temperature follows a steady state
 - Pressure follows a steady state
 - Pressure is compressed
 - Pressure is neglected
15. If the temperature of cadmium bath is maintained at 400 K and the concentration of cadmium is 70g, calculate the pressure at that temperature (given, the gas constant is 8.314 J/mol. K).
- 49.2
 - 47.50
 - 39.40
 - 0
16. Identify the correct conditions for electroplating to take place (in K and in ATM).
- $T = 200$ and $P = 20$
 - $T = 300$ and $P = 25$
 - $T = 100$ and $P = 60$

d) $T = 110$ and $P = 30$

17. What is a nickel strike?

- a) Nickel deposition
- b) Nickel coating
- c) Nickel Plating
- d) Nickel melting

18. Saucepans can be prepared through electrolysis of

- a) Nickel
- b) Galvanized zinc
- c) Chromium
- d) Copper

19. What happens if molten Lead Bromide (PbBr_2) is electrolyzed?

- a) At anode, brown fumes of bromine gas are given off
- b) At anode, molten lead can be seen
- c) At cathode, brown fumes can be seen
- d) At cathode, lead bromide can be seen

20. Discharge difficulty is highest in

- a) Calcium ions
- b) Copper ions
- c) Lead ions
- d) Silver ions

21. Which of the following is not an application of electroplating?

- a) Decorative purposes
- b) Coating of metal
- c) Metal protection
- d) Corrosion prevention

22. The process of modifying a metal's properties is called

- a) Electrolysis
- b) Electro deposition.
- c) Electro less plating
- d) Electroplating

23. Electroplating of chromium helps in preparing of

- a) Car bumpers
- b) Saucepans
- c) Cutlery
- d) Watches

24. Reactivity series of metals is called as the

- a) Preferential series
- b) Electrochemical series
- c) Electrolytic series
- d) Selective discharge series

25. Which of the following is not an example of a fuel cell?

- a) Hydrogen-oxygen cell
- b) Methyl-oxygen-alcohol cell
- c) Propane-oxygen cell
- d) Hexanone-oxygen cell

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic year: 2021– 2022

VALUE ADDED COURSE

MARK SHEET

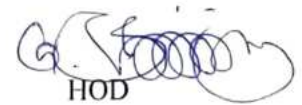
Year /Semester : III / V

Name of the course :CM21VC501 - Fuel Cell Technology

S.No	Student name	Test 1 (20 Marks)	Marks out of 100	Test 2 (25 marks)	Marks out of 100	Total (T1+T2/2)
1	ADHESHRAJ.G	15	75	23	92	84
2	AJIN.A.T	16	80	24	96	88
3	ALEX YADHITHYAN.A	17	85	21	84	85
4	ARWIND.C	16	80	23	92	86
5	ARCHANA.J	19	95	24	96	96
6	ASWIN.N	16	80	23	92	86
7	BADRINARAYANAN.A	19	95	20	80	87
8	BRUNO JOSE.B.S	16	80	21	84	81
9	DHANUSH KUMAR.S.V	17	85	23	92	89
10	DINESH KUMAR.M	15	75	23	92	84
11	DHINAGAR.B.K	16	80	24	96	88
12	EDISON.C.P	17	85	21	84	85
13	GOPI.R	AB	AB	AB	AB	AB
14	GOBINATH.P	19	95	24	96	96
15	GOWTHAM.E	16	80	23	92	86
16	GUNAL.K	19	95	20	80	87
17	JAI SURIYA KUMAR.S	16	80	21	84	81
18	JAYARAJ.M	17	85	23	92	89
19	JITHIN.C.V	15	75	23	92	84
20	KARMILA DEVI.E	16	80	24	96	88
21	KARTHIKEYAN.R	AB	AB	AB	AB	AB
22	KAVIYARASAN.R	16	80	23	92	86
23	LAKSITHA.B	19	95	24	96	96
24	LEENAILAMATHI.S	16	80	23	92	86
25	MADHAVAN.K	19	95	20	80	87
26	MANOJ.R	16	80	21	84	81
27	MUNEESWARAN.M	17	85	23	92	89

28	PRATHIKSHA.K	15	75	23	92	84
29	PRATHIP KUMAR.S	16	80	24	96	88
30	PRAVEEN.G	17	85	21	84	85
31	RAGUPATHI.P	16	80	23	92	86
32	SANJAY.S	AB	AB	AB	AB	AB
33	SARAN KUMAR.J	16	80	23	92	86
34	SATHIYA PRAKASH.S	15	75	23	92	84
35	SENTHIL KUMAR.S	16	80	24	96	88
36	SRIDHAR.R	AB	AB	AB	AB	AB
37	SRIRAM.T	16	80	23	92	86
38	VEERA MANI.K	19	95	24	96	96
39	VISWAKANNAN.V	16	80	23	92	86
40	YOGARAJ.S	19	95	20	80	87


 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

ARCHANA.J

of Paavai Engineering College, studying in Third Year has successfully completed the Fuel Cell

Technology course from 02.08.2021 to 06.08.2021.


C. P. Murali


HOD


Principal

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

LEENAILAMATHI.S

of Paavai Engineering College, studying in Third Year has successfully completed the Fuel Cell
Technology course from 02.08.2021 to 06.08.2021.



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

SANJAY.S

of Paavai Engineering College, studying in **Third Year** has successfully completed the Fuel Cell

Technology course from 02.08.2021 to 06.08.2021 .



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

SRIDHAR.R

of Paavai Engineering College, studying in Third Year has successfully completed the Fuel Cell Technology course from 02.08.2021 to 06.08.2021.

C P Murali

Course Coordinator

G. V. Srinivasan

HOD

R. M.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

MUNEESWARAN.M

of Paavai Engineering College, studying in **Third Year** has successfully completed the **Fuel Cell**

Technology course from 02.08.2021 to 06.08.2021.



Course Coordinator



HOD



Principal



PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna University & AJCTE, New Delhi)
Nambakkal-637018

DEPARTMENT OF CHEMICAL ENGINEERING

**CORDIALLY INVITE YOU TO THE VALUE ADDED COURSE ON
HAZARD OPERABILITY (HAZOP) STUDIES**

On AUGUST 2nd to 8th 2021 @ 10.00 am

Venue: T-303

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: 25.07.2021

CIRCULAR

It is planned to conduct Six Days Training Course on "HAZARD OPERABILITY (HAZOP) STUDIES" for third semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their name to the course coordinator Dr G Srinivasan / Chemical on or before 29.07.2021. (Spot registration can also be permitted).

Course Co-ordinator: Dr G. Srinivasan / Chemical


HOD/CHEMICAL

Copy to :

Notice board

COURSE OBJECTIVES:

To enable the students to

- To convey the benefits of hazop review in the process safety framework
- To familiarise the participants with the structure and methods of the review
- To enabling them to more effective and efficient

COURSE OUTCOMES:

At the end this course, students will be able to

- To understand how the system or plant deviate from the design intent
- Hazop studies have been used with great success within chemical and petroleum industry

UNIT – 1: Fundamentals of HAZOP**10**

.Introduction toHAZOP, Significance of HAZOP ,HAZOP Management,Planning for HAZOP Study,Team Characteristics and Questioning,Techniques,Composition of a HAZOP team ,Responsibilities HAZOP meeting,HAZOP procedure.

UNIT – 2: HAZOP Methods**10**

HAZOP Inherent Assumptions HAZOP Review Applications ,Ideal HAZOP Review Reference Data, Credible Scenarios or Causes, non-Credible Scenarios or Causes HAZOP Technical Suggestions, HAZOP Review Suggestions.

UNIT - 3: HAZOP Approaches**10**

Approaches of Assigning Protection layers Performance Based Approach, Prescriptive Approach, Limitation of HAZOP/optimization of HAZAN, HAZOP case study.

TOTAL 30HRS**Text books:**

- System safety hazop and software hazop“felixmorrishudish,jamescatmar”
- Hazop and hazan ”trevorkietz”

Reference books:

- Guidelines for risk based process safety “wiley”
- Hazop guide to best practice “frank crawley and brain tyler”

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic year: 2021 – 2022


VALUE ADDED COURSE

ATTENDANCE SHEET

Year /Semester : II / III

Name of the course :CM21VC301 - HAZARD OPERABILITY (HAZOP) STUDIES

S.No	Reg no	Student name	02.08.21	03.08.21	04.08.21	05.08.21	06.08.21
1	20201001	ALLBRIGHT. C	/	/	/	/	/
2	20201002	ANISH.S	/	/	/	/	/
3	20201003	BAVADHARANI.G	/	/	/	/	/
4	20201004	BOOBALAN.N	/	/	/	/	/
5	20201005	DHINESH.P	A	A	A	A	A
6	20201006	GOKUL.V	/	/	/	/	/
7	20201007	GOKULAKANNA .V	/	/	/	/	/
8	20201008	JEGAN.V	/	/	/	/	/
9	20201009	MAHENDHIRAN.M	/	/	/	/	/
10	20201010	MANOJ.K	/	/	/	/	/
11	20201011	MOHAN RAJ.J	A	A	A	A	A
12	20201012	NAKSHATRA.G.U	/	/	/	/	/
13	20201013	NISHALINI.S	/	/	/	/	/
14	20201014	RAVI SHANKAR.K	/	/	/	/	/
15	20201015	SABHARINATHAN.K	/	/	/	/	/
16	20201016	SANDHIYA.P	/	/	/	/	/
17	20201017	SHANKAR.S	/	/	/	/	/
18	20201018	SRI SIVA KUMAR.T	/	/	/	/	/
19	20201019	SURENDHAR.S	/	/	/	/	/
20	20201020	THILLAI SELVAN.M	A	A	A	A	A
21	20201021	VIKRAM.K	/	/	/	/	/
22	20201022	VINO.S	/	/	/	/	/
23	20201023	VISALACHI.B	/	/	/	/	/


COURSE CO-ORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE
(An Autonomous Institution affiliated to Anna university, Chennai)
B.TECH – CHEMICAL ENGINEERING
CM21VC301 - HAZARD OPERABILITY (HAZOP) STUDIES
VALUE ADDED COURSE – ASSESSMENT-I
ACADEMIC YEAR (2021-2022)

Time:30 MIN

Maximum Marks:20
(20×1=20)

1. What is the main purpose of hazard identification?
 - a) To minimise the effect of a consequence
 - b) For better risk management
 - c) To characterize adverse effect of toxins
 - d) To reduce probability of occurrence
2. The process determines, whether exposure to a chemical can increase the incidence of adverse health effect.
 - a) Hazard identification
 - b) Exposure assessment
 - c) Toxicity assessment
 - d) Risk characterization
3. Which of the following data is not required for hazard identification?
 - a) Land use
 - b) Contaminant levels
 - c) Affected population
 - d) Estimation of risk
4. Hazard is defined as the probability of suffering harm or loss.
 - a) True
 - b) False
5. Why does site history have to be considered for hazard identification?
 - a) To estimate the risk
 - b) To calculate carcinogenic exposure
 - c) To know the probable source and causes of contamination on site
 - d) For determination of remedial actions
6. What is the main objective of risk assessment?
 - a) To evaluate hazard and minimize the risks.
 - b) Remediation of contaminated sites
 - c) Hazard management
 - d) To know source of pollutants
7. What is the first stage of risk assessment?
 - a) Exposure assessment.

b) Hazard identification.

c) Toxicity study

d) Risk characterization.

8. An incident can be called hazardous only when?

a) Stressor has the potential to cause harm to humans and ecological systems

b) Poses threat to surrounding

c) Monitoring is failed

d) Outburst of chemicals .

9. The purpose of risk management is to identify potential problems before they occur so that risk-handling activities may be planned.

a) False

b) True

10. Hazard identification mainly focus on

a) Chemical source and concentration.

b) Chemical exposure

c) Chemical analysis

d) Chemical pathway

11. Under MTCA, the process for cleaning up a hazardous waste site is

a) SHA

b) NPL

c) HAP

d) SHP

12. What is the main purpose of a site hazard assessment?

a) To provide data

b) Obtain SHA

c) Analysis

d) Establishment

13. Site Hazard Assessment always necessary.

a) True

b) False

14. Site ranking by WRM represents an estimation of

a) Threat

b) Inactivity

c) Toxic

d) Chemicals

15. Landfill should not be constructed within

a) 100

b) 200

c) 300

d) 400

16. A landfill site should be m away from inhabited area.

- a) 100
- b) 200
- c) 300
- d) 500

17. A landfill should be constructed within m of highway.

- a) 100
- b) 200
- c) 300
- d) 400

18. Subsoil investigation has to be done for

- a) Landfill design
- b) Analysis
- c) Recovery
- d) Transport

19. Hydrological investigation has to be done for

- a) Landfill design
- b) Analysis
- c) Recovery
- d) Collection of hydrological data

20. The active period of landfill ranges from years.

- a) 10-20
- b) 20-30
- c) 30-40
- d) 40-50

16. A landfill site should be m away from inhabited area.

- a) 100
- b) 200
- c) 300
- d) 500

17. A landfill should be constructed within m of highway.

- a) 100
- b) 200
- c) 300
- d) 400

18. Subsoil investigation has to be done for

- a) Landfill design
- b) Analysis
- c) Recovery
- d) Transport

19. Hydrological investigation has to be done for

- a) Landfill design
- b) Analysis
- c) Recovery
- d) Collection of hydrological data

20. The active period of landfill ranges from years.

- a) 10-20
- b) 20-30
- c) 30-40
- d) 40-50

PAAVAI ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna university, Chennai)

B.TECH – CHEMICAL ENGINEERING

CM21VC301 – HAZARD OPERABILITY(HAZOP) STUDIES

VALUE ADDED COURSE – ASSESSMENT-II

ACADEMIC YEAR (2021-2022)

Time: 1 hour

Maximum marks :25

(25×1=25)

1. Probability of the event that might occur X Severity of the event if it occurs =
 - a. Accident
 - b. Hazard
 - c. Risk
 - d. None of the above
2. Industrial safety management is that branch of management which is concerned with _____ hazards from the industries.
 - a. Reducing
 - b. Controlling
 - c. Eliminating
 - d. All of the above
3. The following is indirect cost of accident
 - a. Money paid for treatment of worker
 - b. Compensation paid to worker
 - c. Cost of lost time of injured worker
 - d. All of the above
4. The following is(are) physical hazard agent(s)
 - a. Falls
 - b. Electricity
 - c. Inhalation
 - d. All of the above
5. Check list for Job Safety Analysis (JSA) consists of
 - a. Work area, material, machine, tools
 - b. Men, machine, material, tools
 - c. Men, machine, work area, tools
 - d. Men, work area. Material, tools
6. A safety programme consists of
 - a. Three E's
 - b. Four E's
 - c. Five E's
 - d. Six E's
7. For household wiring and small units, the following should be used for safety measure
 - a. MCB
 - b. ACB
 - c. OCB
 - d. MCCB
8. Which of the following colour is used for radiation hazard?

- a. Red
- b. Orange
- c. Green
- d. Purple

9. Decibel (db) is a unit used to measure

- a. Light
- b. Sound
- c. Frequency
- d. None of the above

10. The following is (are) are generally provided with limit switch to prevent motion beyond preset limit

- a. Hoists
- b. Conveyors
- c. Machine tables
- d. All of the above

11. The following is (are) used as safety device(s) in machines

- a. Fail safe
- b. Safety interlocks
- c. Limit switches
- d. All of the above

12. Class. A fire consists of fire due to

- a. Wood
- b. Oil
- c. Transformer
- d. Chemical

13. Water is used to extinguish

- a. Class. A fires
- b. Class. B fires
- c. Class. C fires
- d. All of the above

14. The following class of fire occur in electrical equipment

- a. Class. A fires
- b. Class. B fires
- c. Class. C fires
- d. All of the above

15. The following extinguisher is suitable for cotton or other textile fire

- a. Water
- b. Soda acid
- c. Foam
- d. Dry chemicals

16. _____ is best suited to extinguishing oil or flammable liquid fire

- a. Soda acid
- b. Vaporizing liquid
- c. Foam
- d. Dry chemical

17. In which of the following case, foamed acidizing is not preferred?

- a. High permeability formation
- b. Liquid sensitive rock
- c. Carbonate formation
- d. Liquid sensitive Carbonate formation

18. Hydrogen sulfide should be generated while the reaction between the acid and the formation takes place.

- a. True
- b. False

19. Which of the following is correct regarding Acetic anhydride?

- a. Used in formulating HF
- b. Used in formulating a base
- c. Used in formulating acetic acid
- d. Used in formulating CaCl_2

20. Which of the following is correct regarding Ammonium bifluoride?

- a. Used in formulating HF
- b. Used in formulating a base
- c. Used in formulating acetic acid
- d. Used in formulating CaCl_2

21. At low concentrations, H_2S smells like rotten eggs

- a. True
- b. False

22. What should you do after working with biological specimens, chemicals, and lab substances?

- a. Wipe both hands with a towel
- b. Wash both hands with water and soap
- c. Treat both hands with skin lotion

23. When an acid comes in contact with your skin, you should immediately wash it with what?

- a. Water
- b. Oil
- c. Soap

24. The skull and crossbones symbol is used for which type of hazard in a lab?

- a. Biohazardous/infection materials
- b. Skin irritation or corrosion
- c. Acute toxicity

25. Which of the following is the best footwear to use in the lab?

- a. Closed-toed shoes
- b. Open-toed shoes
- c. Sandals

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic year: 2021 – 2022

VALUE ADDED COURSE

MARK SHEET

Year /Semester : II / III

Name of the course : CM21VC301 - HAZARD OPERABILITY (HAZOP) STUDIES

S.No	Student name	Test 1 (20 Marks)	Marks out of 100	Test 2 (25 marks)	Marks out of 100	Total (T1+T2/2)
1	ALLBRIGHT. C	17	85	23	92	89
2	ANISH.S	15	75	23	92	84
3	BAVADHARANI.G	16	80	24	96	88
4	BOOBALAN.N	17	85	21	84	85
5	DHINESH.P	AB	AB	AB	AB	AB
6	GOKUL.V	19	95	24	96	96
7	GOKULAKANNA .V	16	80	23	92	86
8	JEGAN.V	19	95	20	80	87
9	MAHENDHIRAN.M	16	80	21	84	81
10	MANOJ.K	17	85	23	92	89
11	MOHAN RAJ.J	AB	AB	AB	AB	AB
12	NAKSHATRA.G.U	16	80	24	96	88
13	NISHALINI.S	17	85	21	84	85
14	RAVI SHANKAR.K	16	80	21	84	82
15	SABHARINATHAN.K	19	95	24	96	96
16	SANDHIYA.P	16	80	23	92	86
17	SHANKAR.S	19	95	20	80	87
18	SRI SIVA KUMAR.T	16	80	21	84	81
19	SURENDHAR.S	17	85	23	92	89
20	THILLAI SELVAN.M	AB	AB	AB	AB	AB
21	VIKRAM.K	16	80	24	96	88
22	VINO.S	17	85	21	84	85
23	VISALACHI.B	16	80	21	84	82


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

ANISH.S

of Paavai Engineering College, studying in **Second Year** has successfully completed the **HAZARD OPERABILITY (HAZOP) STUDIES** course from 02.08.2021 to 06.08.2021.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

VISALACHI.B

of Paavai Engineering College, studying in **Second Year** has successfully completed the **HAZARD OPERABILITY (HAZOP) STUDIES** course from 02.08.2021 to 06.08.2021.

Course Coordinator

HOD

Principal



PAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

VIKRAM.K

of Pavaai Engineering College, studying in Second Year has successfully completed the HAZARD

OPERABILITY (HAZOP) STUDIES course from 02.08.2021 to 06.08.2021.



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

VINO.S

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

OPERABILITY (HAZOP) STUDIES course from 02.08.2021 to 06.08.2021.

Course Coordinator

HOD

Principal



PAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Chemical Engineering

VALUE ADDED COURSE

This is to certify

NISHALINI.S

of Pavaai Engineering College, studying in Second Year has successfully completed the HAZARD

OPERABILITY (HAZOP) STUDIES course from 02.08.2021 to 06.08.2021.

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

Piping Design and Engineering

On AUGUST 2nd to 6th 2021

Venue: T-308

Dr.K.Gopi
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: 25.07.2021

CIRCULAR

It is planned to conduct Six Days Training Course on "**Piping Design and Engineering**" for seventh semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their name to the course coordinator Dr.K.Gopi / Chemical on or before 29.07.2021. (Spot registration can also be permitted).

Course Co-ordinator: Dr.K.Gopi / Chemical


HOD/CHEMICAL

Copy to :

Notice board

COURSE OBJECTIVES:

To enable the students to

- To understand basic of piping engineering
- To understand the purpose of piping engineering
- To understand project requirement and methodology

COURSE OUTCOMES:

At the end this course, students will be able to

- To identify the influence of codes on pump and hydraulic design
- To compare hydronic/hvac system types and pipe configurations
- To determine appropriate applications for magna

Unit I: Introduction to Piping Engineering

10

Fluid flow types of fluids and examples, different pipe fittings, Friction factor, pressure drop for flow Newtonian and non-Newtonian fluids, pipe sizing, economic velocity Pipe line networks and their analysis for flow in branches, restriction orifice sizing Pressure drop calculations for non-Newtonian fluids.

Unit II: Materials for Piping

10

Selection of material for piping, desirable properties of piping materials, materials for various temperature and pressure conditions, materials for corrosion resistance Common ASTM and IS specifications for Seamless ERW pipes, pipe fittings, flanges, and fasteners.

Unit III: Control & Safety in Piping

10

Types of valves, control valves, safety valves, constructional features, criteria for selection, Piping components, pressure relieving devices, constructional features, selection criteria and application, safety features. Calculations for line sizing, steam traps, P.R.V. & condensate systems.

TOTAL 30HRS**REFERENCE BOOKS:**

1. Piping Design Handbook by John J. McKetta, by Marcel Dekker, Inc. New York
2. Process plant layout and piping design by Ed Baustbacher & Roger Hunt (PTC, Prentice Hall Publication)

TEXT BOOK:

1. Piping Handbook, Edited by Mohinder Nayyar McGraw-Hill Education
2. Pipe Drafting and Design by Roy A. Parisher & Robert A. Rhea, ASME Codes III

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic year: 2021 – 2022

VALUE ADDED COURSE

ATTENDANCE SHEET

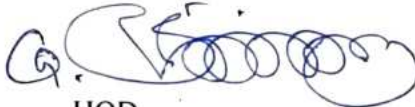
Year /Semester : IV / VII

Name of the course : CM21VC701 - Piping Design and Engineering

S.No	Reg no	Student name	2/8/2021	3/8/21	4/8/21	5/8/21	6/8/21
1	18201002	AJAY.S	/	/	/	/	/
2	18201003	AKASH.A	/	/	/	/	/
3	18201004	ANJELIN JOSEPH	/	/	/	/	/
4	18201005	ARDHRA JEYARAJ	/	/	/	/	/
5	18201006	BOOPATHI.J	/	/	/	/	/
6	18201007	DHIVISH.P	/	/	/	/	/
7	18201008	GNANASEKAR.M	/	/	/	/	/
8	18201009	JASVANTH SANJAY.R	AB	AB	AB	AB	AB
9	18201010	JEEVAA.T	/	/	/	/	/
10	18201011	KARTHICK.S	/	/	/	/	/
11	18201012	KARTHIKEYAN.M	/	/	/	/	/
12	18201013	KATHIRAVAN.K	/	/	/	/	/
13	18201014	KAVIYA.R	/	/	/	/	/
14	18201015	KAYSHINI.S	/	/	/	/	/
15	18201016	MANIKANDAN.M	/	/	/	/	/
16	18201017	MANIKANDAN.R	/	/	/	/	/
17	18201019	MURALI KRISHNAN.S	/	/	/	/	/
18	18201020	MUTHU KUMAR.C	/	/	/	AB	/
19	18201022	NANDHA.R	/	/	/	/	/
20	18201023	NANDHA GOPAL.K	/	/	/	/	/
21	18201024	NAVEEN KUMAR.P	/	/	/	/	/
22	18201025	NEELAKANDAN.G	/	/	/	/	/
23	18201026	NIRMAL.R	/	/	/	/	AB

23	18201027	PARASU.S	/	/	/	/	/
24	18201028	PRANAV PRAMOD	/	/	/	/	/
25	18201029	RAHUL.S	/	/	/	/	/
26	18201030	RAMESH.E	/	/	/	/	/
27	18201031	SAIKUMAR.G	/	A	/	/	/
28	18201032	SAKTHIVEL.P	/	/	/	/	/
29	18201033	SANTHOSH KUMAR.L	/	/	/	A	/
30	18201034	SANTHOSH KUMAR.P	/	/	/	/	/
31	18201035	SINDHU.S	/	/	/	/	/
32	18201036	SOPIKA.M	/	/	/	/	/
33	18201037	VALLARASU.P	A	A	A	A	A
34	18201039	VENKATESH.P	/	/	/	/	/
35	18201040	YOGESHWARAN.B	/	/	/	/	/
36	18201301	BOOPATHI.K	/	/	/	/	/
37	182010302	KISHORE KUMAR.R	/	/	/	A	A
38	18201303	NITHYA KUMAR.K	/	/	/	/	/
39	17201501	AKSHEY PETER	/	/	/	/	/
40	17201502	SABARINATHAN	/	/	/	/	/


 COURSE CO-ORDINATOR


 HOD

PAAVAI ENGINEERING COLLEGE
(An Autonomous Institution affiliated to Anna university, Chennai)

B.TECH – CHEMICAL ENGINEERING

CM21VC701 - PIPING DESIGN ANDENGINEERING

VALUE ADDED COURSE – ASSESSMENT-1

ACADEMIC YEAR (2021-2022)

Time:30minutes

Maximum Marks :20

(20×1=20)

1. Which one of the following is a Dimensional Standard for Valves, Flanged, Threaded, and Welding End

A)B16.34

B)B16.28

C)B16.9

D)B16.36

2. Which one of the following is a Dimensional Standard for Factory-Made Wrought Buttwelding Fittings

A)B16.48

B)B16.38

C) B16.9

D) B16.42

3. Which one of the following is a Dimensional Standard for Stainless Steel Pipe

A)MSS-SP-58

B) B36.19

C)B16.42

D)B16.38

4. Which one of the following is a Dimensional Standard for Cast Iron Pipe Flanges and Flanged Fittings: Classes 25, 125, and 250

A) B16.34

B)B16.20

C) B16.48

D)B16.1

5. Which one of the following is a Dimensional Standard for Ferrous Pipe Plugs, Bushings, and Locknuts With Pipe Threads

A) B16.14

B) B16.48

C) B16.36

D)B16.42

6. Which one of the following is a Dimensional Standard for Swage(d) Nipples and Bull Plugs

A)MSS-SP-95

B)B16.42

C)B16.1B1

D)B16.42

7. Which one of the following is a Dimensional Standard for Welded and Seamless Wrought Steel Pipe

A)B16.20

B)B16.38

C) B36.10

D)MSS-SP-95

8. Which one of the following is a Dimensional Standard for Large Metallic Valves for Gas Distribution (Manually Operated, NPS 21/2 to 12, 125 psig Maximum)

A) B16.3B1

B) B16.38

C) B16.36

D) B16.20

9. Which one of the following is a Dimensional Standard for Wrought Steel Buttwelding Short Radius Elbows and Returns

A)B16.1

B) B16.28

C) B16.3B1

D) B16.14

10. Which one of the following is a Dimensional Standard for Face-to-Face and End-to-End Dimensions of Valves

- A) B16.9
- B) B36.10
- C) B16.10
- D) B16.36

11. Which one of the following is a Dimensional Standard for Steel Line Blanks

- A) B16.21
- B) B16.39
- C) B16.5
- D) B16.48

12. Which one of the following is a Dimensional Standard for Ductile Iron Pipe Flanges and Flanged Fittings, Classes 150 and 300

- A) B16.5
- B) B16.11
- C) B16.42
- D) B16.4

13. Which one of the following is a Dimensional Standard for Pipe Hangers and Supports Materials, Design, Manufacture, Selection, Application, and Installation

- A) B1.20.3
- B) MSS-SP-58
- C) B16.20
- D) B16.11

14. Which one of the following is a Dimensional Standard for Orifice Flanges

- A) B16.21
- B) B16.25
- C) B16.36
- D) B16.11

15. Which one of the following is a Dimensional Standard for Metallic Gaskets for Pipe Flanges: Ring-Joint, Spiral-Wound, and Jacketed

- A) MSS-SP-97
- B) B16.3
- C) B16.20

D)B16.21

16. Which one of the following is a Dimensional Standard for Pipe Flanges and Flanged Fittings:
NPS 1/2 Through NPS 24 Metric/Inch Standard

A) B16.38

B) B16.42

C) B16.5

D) B16.4

17. Which one of the following is a Dimensional Standard for Forged Fittings, Socket-Welding
and Threaded

A) B16.36

B)B16.11

C) B16.39

D)B16.47

18. Which one of the following is a Dimensional Standard for Integrally Reinforced Forged
Branch Outlet Fittings, Socket Welding, Threaded and Buttwelding Ends

A) B16.38

B) MSS-SP-97

C)B16.10

D)B1.20.3

19. Which one of the following is a Dimensional Standard for Malleable Iron Threaded Pipe
Unions

A) B16.39

B) B16.47

C) B16.10

D) B16.42

20. Which one of the following is a Dimensional Standard for Buttwelding Ends

A) B16.38

B)B16.48

C)B1.20.3

D)B16.25

PAAVAI ENGINEERING COLLEGE
(An Autonomous Institution affiliated to Anna university, Chennai)

B.TECH – CHEMICAL ENGINEERING

CM21VC701 -PIPING DESIGN AND ENGINEERING

VALUE ADDED COURSE – ASSESSMENT-II

ACADEMIC YEAR (2021-2022)

Time:1 hour

Maximum marks :25

(25×1=25)

1. What is the aim of pipes system in the dairy industry?

A)Facilitate Product Flow C)Fouling

B)Pasteurization D)Storage

2. Which material is used for pipes which are in contact with milk or product?

A)Stainless Steel

B)Copper

C)Ceramic

D)Plastic

3. Which material is used for pipes which conduct water and air?

A)Stainless Steel

B) copper

C) plastic

D) ceramic

4. What are the reasons causing pressure drop in hydraulic systems?

(i.) Long Length of Pipe

(ii.) Friction

(iii.) Type of fluid

(iv.) Losses in valves and bends

A) i and iv

B) Only i

C) ii and iii

D) i, ii, iii and iv

5. Which grade of stainless steel is known as acid proof steel?

A)AISI 304

B)AISI 316

C)SIS 2333

D)SIS 2359

6. Which one of the following is used for making a branch right angle to the main line in pipe fitting?

A)Union

B) Elbow

C) Tee

D) Flange

7. Non return valve permit water supply in

- A) One way
 - B) Two way
 - C) three way
 - D) four way
8. The Swing check valve is used to control the flow of water by
- A) Ball
 - B) small hole
 - C) Flap
 - D) None of the above
9. Gate valve permits water flow in
- A) Straight line
 - B) angular
 - C) Right angle
 - D) None of the above
10. Which among the following is shut-off and change over valve?
- A) Bend
 - B) Butterfly valve
 - C) Seat valve
 - D) Seat valve and butterfly valve
11. Which of the following valves is used to maintain pressure in the system?
- A) Pressure relief valve
 - B) Check valve
 - C) Manual control valve with variable flow plug
 - D) Pneumatic control valve with variable-flow plug
12. The pipes will expand considerably when the product temperatures are high and during cleaning.
- A) TRUE
 - B) FALSE
13. Valves with constant outlet pressure are used after which of the following machines?
- A) Separator
 - B) Pasteurizer
 - C) Homogenizer
 - D) Filling machine
14. Which among the following is not a permanent welding connection?
- A) Bends
 - B) Reducers
 - C) Sampling Device
 - D) Tees
15. Which of the following are installed in order to collect product samples hygienically for quality analysis?
- A) Bends
 - B) Reducers
 - C) Sampling Device
 - D) Tees
16. To prevent the product flow in the wrong direction which of the following valve is used?
- A) Seat valve
 - B) Butterfly valve
 - C) Seat valve and butterfly valve
 - D) Check valve

17. Seamless pipe is made _____?

- A) From rolled strips formed into cylinders and seam-welded
- B) By extrusion & casting into static and centrifugal molds
- C) By forging a solid round, piercing it by simultaneously rotating & forcing it over a piercer point and further reducing it by rolling gas drawing
- D) Both B. and C.

18. Pick out the wrong statement ?

- A) Lug supports are less expensive than other type of supports
- B) A pipe is differentiated from a tube by the fact that a pipe
- C) A reducer is used to change the direction of a pipe in a straight run
- D) The method of fixing tubes to a tube sheet by expanding is called 'tube rolling'

19. Change in pipe diameter is required in

- A) Tees
- B) Reducing tees
- C) cross
- D) elbow

20. In _____ system drain pipe serves as vent pipe

- A) one pipe
- B) single stack
- C) Two pipe
- D) Double stack

21. Pipe cutting die is generally _____.

- A) Divided in three parts
- B) Undivided
- C) Divided in two parts
- D) Divided in four parts

22. Which of the following part is a pipe component?

- A) Pulley
- B) Elbow
- C) Bearing
- D) Gear

23. Pipes are coated with _____.

- A) Aluminium
- B) Cast iron
- C) Zinc
- D) Copper

24. The included angle of pipe thread is around

- A) 15°
- B) 55°
- C) 10°
- D) 75°

25. If the blow pipe is moved to and fro frequently while cutting, the kerf will

- A) be more
- B) be less
- C) not be affected
- D) not be in size

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

Academic year: 2021 – 2022

VALUE ADDED COURSE

MARK SHEET

Year /Semester : IV / VII

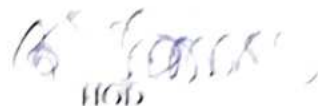
Name of the course :CM21VC701 - Piping Design and Engineering

S.No	Student name	Test 1 (20 Marks)	Marks out of 100	Test 2 (25 marks)	Marks out of 100	Total (T1+T2/2)
1	AJAY.S	19	95	20	80	87
2	AKASH.A	16	80	21	84	81
3	ANJELIN JOSEPH	17	85	23	92	89
4	ARDHRA JEYARAJ	15	75	23	92	84
5	BOOPATHI.J	16	80	24	96	88
6	DHIVISH.P	17	85	21	84	85
7	GNANASEKAR.M	19	95	20	80	87
8	JASVANTH SANJAY.R	AB	AB	AB	AB	AB
9	JEEVAA.T	17	85	23	92	89
10	KARTHICK .S	15	75	23	92	84
11	KARTHIKEYAN.M	16	80	24	96	88
12	KATHIRAVAN.K	17	85	21	84	85
13	KAVIYA.R	19	95	20	80	87
14	KAYSHINI.S	16	80	21	84	81
15	MANIKANDAN.M	17	85	23	92	89
16	MANIKANDAN.R	15	75	23	92	84
17	MURALI KRISHNAN.S	16	80	24	96	88
18	MUTHU KUMAR.C	17	85	21	84	85
19	NANDHA.R	19	95	20	80	87
20	NANDHA GOPAL.K	16	80	21	84	81
21	NAVEEN KUMAR.P	17	85	23	92	89
22	NEELAKANDAN.G	15	75	23	92	84
23	NIRMAL.R	16	80	24	96	88
23	PARASU.S	17	85	21	84	85
24	PRANAV PRAMOD	19	95	20	80	87

25	RAHUL.S	16	80	21	84	81
26	RAMESH	17	85	23	92	89
27	SAIKUMAR.G	15	75	23	92	84
28	SAKTHIVEL.P	16	80	24	96	88
29	SANTHOSH KUMAR.L	17	85	21	84	85
30	SANTHOSH KUMAR.P	19	95	20	80	87
31	SINDHU.S	AB	AB	AB	AB	AB
32	SOPIKA.M	17	85	23	92	89
33	VALLARASUL.P	AB	AB	AB	AB	AB
34	VENKATESH.P	16	80	24	96	88
35	YOGESHWARAN.B	17	85	21	84	85
36	BOOPATHIL.K	19	95	20	80	87
37	KISHORE KUMAR.R	16	80	21	84	81
38	NITHYA KUMAR.K	17	85	23	92	89
39	AKSHEY PETER	15	75	23	92	84
40	SABARINATHAN	16	80	24	96	88



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

KARTHICK.S

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Piping Design**
and Engineering course from 02.08.2021 to 06.08.2021 .

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

KARTHICK.S

of Paavai Engineering College, studying in Final Year has successfully completed the Piping Design
and Engineering course from 02.08.2021 to 06.08.2021.

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

RAMESH.E

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Piping Design**
and Engineering course from 02.08.2021 to 06.08.2021 .



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

RAHUL.S

of Paavai Engineering College, studying in **Final Year** has successfully completed the **Piping Design**
and Engineering course from 02.08.2021 to 06.08.2021.

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

BOOPATHI.J

of Paavai Engineering College, studying in Final Year has successfully completed the Piping Design
and Engineering course from 02.08.2021 to 06.08.2021.

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

SAIKUMAR.G

of Paavai Engineering College, studying in Final Year has successfully completed the Piping Design
and Engineering course from 02.08.2021 to 06.08.2021.

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
HUMAN NUTRITION**

**on August 2nd to 6th 2021
Venue: T301**

**M.R.Mahalakshmi
Course Coordinator**

**R.Balasubramaniam
Head of the Department**

**Dr. M. PremKumar
Principal**

All Department Faculty Members & Students

Invite you one and all

COURSE OBJECTIVES

To enable the students to

- Be able to understand the physiological and metabolic functions of nutrients.
- Be able to understand methods of nutritional assessment, RDA and Dietary Recommendations & Guidelines.
- Understand and use effectively, diet planning principles, exchange lists, food labels and nutrition facts for balanced nutrition and healthy diets.

COURSE OUTCOMES

At the end this course, students will be able to

- 1) The course aims to develop the knowledge of students in the basic area of Human Nutrition.
- 2) This is necessary for effective understanding of food processing and technology subjects.
- 3) This course will enable students to appreciate the relationship between food and the nutrients as well as function and contribution of nutrients to health of individuals.

UNIT I AN OVERVIEW OF NUTRITION**10**

Six classes of nutrients, calculating energy values from food, using the RDA, nutritional assessment of individuals and populations, dietary recommendations.

UNIT II CARBOHYDRATES: SUGARS, STARCH AND FIBER**10**

Digestion and absorption of carbohydrates, lactose intolerance; Glycemic and Non-glycemic carbohydrates, blood glucose regulation, recommendations of sugar intake for health.

UNIT III LIPIDS AND PROTEINS**10**

Lipid digestion, absorption and transport; Functions of the triglycerides; essential fatty Acids.

Total: 30 Hours**TEXT BOOKS**

1. Gibney, Michael J. et al., "Introduction to Human Nutrition". Blackwell, 2002.
2. Gibney, Michael J. et al., "Public Health Nutrition". Blackwell, 2004.

REFERENCES

1. Spark, Arlene. "Nutrition in Public Health : Principles, Policies, and Practice". CRC Press, 2007.
2. Mann, Jim and Stewart Truswell "Essentials of Human Nutrition". 3rd Edition. Oxford University Press, 2007.



**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:17.07.2021

CIRCULAR

It is planned to conduct Five Days Training Course on "HUMAN NUTRITION" for THIRD semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their name to the course coordinator M.R.Mahalakshmi/Food on or before 29.07.2021. (Spot registration can also be permitted).

Course Co-ordinator: 1. M.R.Mahalakshmi

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF FOODTECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : II / III

Name of the Course : 21FTVC301 HUMAN NUTRITION"

S.No	STUDENT NAME	2/8	3/8	4/8	5/8	6/8
	Abin joy mathew	P	P	P	P	P
1.	Agathiyan.B	P	P	P	P	P
2.	Ajai.M	P	P	P	P	P
3.	Anandharaj.T	P	P	P	P	P
4.	Anjasha juhi.G	P	P	P	P	P
5.	Balakumar.K	P	P	P	P	P
6.	Boopathi. M	P	P	P	P	P
7.	Chandru.A	P	P	P	P	P
8.	Chandru.T	A	A	A	A	A
9.	Dharshani.S.M	P	P	P	P	P
10.	Dinesh.N	P	P	P	P	P
11.	Gladish vincy.D	P	P	P	P	P
12.	Gobi.G	P	P	P	P	P
13.	Gokula priya.A	P	P	P	P	P
14.	Gopika shree.C	P	P	P	P	P
15.	Gowtham.R	P	P	P	P	P
16.	Harini.P.A.M	P	P	P	P	P
17.	Haripriyan.C	P	P	P	P	P
18.	Hariviswaraja.S	P	P	P	P	P
19.	Jagadeshwari.S	P	P	P	P	P
20.	Jagadheesan.A.V	P	P	P	P	P
21.	Jainandhini.S	P	P	P	P	P
22.	Kalaiyaran.R	A	A	A	A	A
23.	Kiruthika.M	P	P	P	P	P
24.	Lavanya.M	P	P	P	P	P
25.	Manoharan.T	A	A	A	A	A

26.	Manoj kumar.B	P	P	P	P	P
27.	Meghna.G	P	P	P	P	P
28.	Mothesh.P	P	P	P	P	P
29.	Neelavathi.U	P	P	P	P	P
30.	Nesan.M	P	P	P	P	P
31.	Pavithra.N	P	P	P	P	P
32.	Ponmozhi.M	P	P	P	P	P
33.	Prasanth.S	P	P	P	P	P
34.	Prince premier	P	P	P	P	P
35.	Priya.A	P	P	P	P	P
36.	Ragul.R	P	P	P	P	P
37.	Rajarajacholan.A	P	P	P	P	P
38.	Rajashimman.S	P	P	P	P	P
39.	Rakesh.R	P	P	P	P	P
40.	Ramachandran.K	P	P	P	P	P
41.	Ranjana.J	A	A	A	A	A
42.	Sai sudharsanan.S.R	P	P	P	P	P
43.	Shanthini.P	P	P	P	P	P
44.	Shilesh.S.R	P	P	P	P	P
45.	Silambarasan.P	P	P	P	P	P
46.	Sri ganesh.V.G	P	P	P	P	P
47.	Srilakshmi narayanan.S	P	P	P	P	P
48.	Srisomadharshini.G	P	P	P	P	P
49.	Sumitha.V	A	A	A	A	A
50.	Thirisha bharathi.G.K	P	P	P	P	P
51.	Thirumurugan.A	P	P	P	P	P
52.	Vinotha.G	P	P	P	P	P
53.	Vinotha.S	P	P	P	P	P
54.	Vishaalaakshi.M	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

Anandharaj.T

of Paavai Engineering College, studying in **second year** has successfully completed the

21FTVC301 HUMAN NUTRITION course from 02.08.2021 to 06.08.2021

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

Gobi.G

of Paavai Engineering College, studying in **second year** has successfully completed the

21FTVC301 HUMAN NUTRITION course from 02.08.2021 to 06.08.2021

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

Meghna.G

of Paavai Engineering College, studying in **second year** has successfully completed the
21FTVC301 HUMAN NUTRITION course from 02.08.2021 to 06.08.2021

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

Pavithra.N

of Paavai Engineering College, studying in **second year** has successfully completed the

21FTVC301 HUMAN NUTRITION course from 02.08.2021 to 06.08.2021

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

Rajashimman.S

of Paavai Engineering College, studying in second year has successfully completed the

21FTVC301 HUMAN NUTRITION course from 02.08.2021 to 06.08.2021

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
REFRIGERATION AND COLD CHAIN**

**on August 2nd to 6th 2021
Venue: T304**

**M.Monica
Course Coordinator**

**R.Balasubramani
Head of the Department**

**Dr. M. PremKumar
Principal**

All Department Faculty Members & Students

Invite you one and all

COURSE OBJECTIVES

To enable the students to gain knowledge on

- Be able to understand the Role of packaging in cold chain.
- Be able to understand methods Inactivation mechanism during Chilling
- Understand and use of methods of refrigeration.

COURSE OUTCOMES

At the end this course, students will be able to

1. The course aims to develop the knowledge of students in the basic of refrigeration
2. This is necessary for effective understanding of food processing and technology subjects.
3. This course will enable students to appreciate the relationship between food storage

UNIT I MICRO ORGANISMS AND THE COLD CHAIN**10**

What is cold chain? Need for the chain for chilled / frozen food item, various links of the chain; importance of shelf- life.

UNIT II CARBOHYDRATES: SUGARS, STARCH AND FIBER**10**

Micro organisms and their growth phases; response of microorganisms; Inactivation mechanism during Chilling and freezing; Rapid freezing and slow thawing.

UNIT III LIPIDS AND PROTEINS**10**

Concepts of systems and surrounding; meaning of refrigeration; Types of refrigeration; vapour compression-the refrigerating cycle, capacity, .

Total: 30 Hours**TEXT BOOKS**

1. Y. Cengel and Boles, Thermodynamics - An Engineering Approach, Tata McGraw Hill Publishing Company Pvt. Ltd, New Delhi, 2003.
2. P.K.Nag, Engineering Thermodynamics, Tata McGraw-Hill, New Delhi, 2007.

REFERENCES

1. R.S.Khurmi, Steam table with Psychometric chart, S.Chand Publications, New Delhi, 2009.
2. J.P.Holman, Thermodynamics, Tata McGraw Hill Publishing Company Pvt Ltd., New Delhi, 2002.



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DEPARTMENT OF FOOD TECHNOLOGY

DATE: 19.07.2021

CIRCULAR

It is planned to conduct Five Days Training Course on "**REFRIGERATION AND COLD CHAIN**" for seventh semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their name to the course coordinator M.Monica/Food on or before 29.07.2021. (Spot registration can also be permitted).

Course Co-ordinator: 1. M.Monica / Food


HOD/FOOD

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF FOODTECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester: III/ 

Name of the Course: 21FTVC501-REFRIGERATION AND COLD CHAIN

S.No	STUDENT NAME	2/8	3/8	4/8	5/8	6/8
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	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	AB	AB	AB	AB	AB
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	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	AB	AB	AB	AB	AB
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

M. Monica

Course Coordinator


HoD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify

Aadhavan.A

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

21FTVC501 REFRIGIRATION AND COLD CHAIN

course from 02.08.2021 to 06.08.2021

M. Manikumar

Course Coordinator

[Signature]

HOD

[Signature]

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Food Technology

CERTIFICATE

This is to certify

Alexsamy.I

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

21FTVC501 REFRIGIRATION AND COLD CHAIN

course from 02.08.2021 to 06.08.2021

M. monika

Course Coordinator

[Signature]

HOD

[Signature]

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

Joel.K

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

21FTVC501 REFRIGERATION AND COLD CHAIN

course from 02.08.2021 to 06.08.2021

M. Mondan

Course Coordinator

JST

HOD

[Signature]

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Food Technology

CERTIFICATE

This is to certify

Sachintha.A

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

21FTVC501 REFRIGIRATION AND COLD CHAIN

course from 02.08.2021 to 06.08.2021

M. monica

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

Shinygrace.S

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

21FTVC501 REFRIGERATION AND COLD CHAIN

course from 02.08.2021 to 06.08.2021

M. Monica

Course Coordinator

[Signature]

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
READY TO EAT FOODS**

**on August 2nd to 6th 2021
Venue:T205**

**R.Rajeswari
Course Coordinator**

**R.Balasubramani
Head of the Department**

**Dr. M. PremKumar
Principal**

All Department Faculty Members & Students

Invite you one and all

COURSE OBJECTIVES

To enable the students to

- Know the current status of snack food Industry
- Impart knowledge on various unit operations and manufacturing process in different Snack Foods Industries like Potato Processing, Tortilla Processing and Popcorn processing
- Study the difference between small and industrial level processing of snack foods

COURSE OUTCOMES

At the end this course, students will be able to

1. Outline the current production and marketing status of Snack foods
2. Show the manufacturing steps involved in the production of potato chips and value added products from potato
3. Construct the flowchart for the processing steps and equipment's involved in the Tortilla chips processing

UNIT I SNACK FOOD INDUSTRY**10**

Introduction-History-Past innovations- Outline of snack food industry- Nutrition-Total Quality Management of Technology-Domestic Snack Food Market-Global Market-Snack Food Association-Future Considerations

UNIT II POTATO CHIPS PROCESSING**10**

Potato Production- Market value of Potato- History of Fabricated potato snacks- Potato snack Ingredients- Potato Analysis and Composition-Potato chip manufacturing process

UNIT III TRADITIONAL FERMENTED FOOD PRODUCTS**10**

Introduction- Raw Materials- Processing steps-Corn cooking and soaking-Washing and Draining- Grinding Equipment-Reconstitution of Dry Masa Flour- Masa feeding- Pumping- Preheating- Sheeting/Cutting- Baking Conditioning/Equilibration-Frying

Total: 30 Hours**TEXT BOOKS**

1. Lusas, E. W., & Rooney, L. W. (Eds.) Snack foods processing. CRC Press, 2001
2. Panda, H, The Complete Technology Book on Snack Foods, National Institute of Industrial Research, Delhi, 2013

REFERENCES

1. Sergio O Serna-Saldivar, Industrial Manufacture of Snack Foods, Kennedys Books Ltd. 2008



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NAMAKKAL -637 018

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

DEPARTMENT OF FOOD TECHNOLOGY

DATE:18.07.2021

CIRCULAR

It is planned to conduct Five Days Training Course on “ **READY TO EAT FOODS**” for third semester students from 02.08.2021 to 06.08.2021 The interested students are asked to enroll their name to the course coordinator R.Rajeswari Food on or before 29.07.2021. (Spot registration can also be permitted).

Course Co-ordinator: 1. R.Rajeswari / Food


HOD/FOOD

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(AUTONOMOUS)

DEPARTMENT OF FOOD TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : IV/VII

Name of the Course : 21FTVC701 READY TO EAT FOODS

S.No	STUDENT NAME	2/8	3/8	4/8	5/8	6/8
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	AB	AB	AB	AB	AB
9.	Gunalan.G	P	P	P	P	P
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	AB	AB	AB	AB	AB
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	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

Alen jose

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

21FTVC701 READY TO EAT FOODS

course from 02.08.2021 to 06.08.2021

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

Janani.P

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the
21FTVC701 READY TO EAT FOODS

course from 02.08.2021 to 06.08.2021

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Food Technology

CERTIFICATE

This is to certify

Naveenkumar.S

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

21FTVC701 READY TO EAT FOODS

course from 02.08.2021 to 06.08.2021

Course Coordinator

HOD

Principal



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Department of Food Technology

CERTIFICATE

This is to certify

Nivetha.J

of Paavai Engineering College, studying in FINAL YEAR has successfully completed the
21FTVC701 READY TO EAT FOODS

course from 02.08.2021 to 06.08.2021

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Department of Food Technology

CERTIFICATE

This is to certify

Saren rokith.M

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

21FTVC701 READY TO EAT FOODS

course from 02.08.2021 to 06.08.2021

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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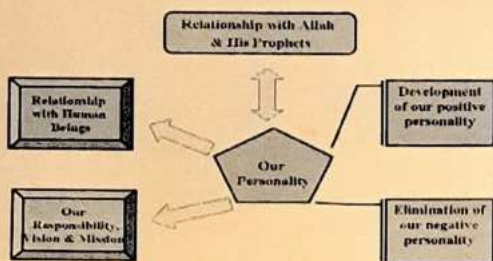
DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

21ITVC301 & PERSONALITY DEVELOPMENT

Personality Development is a tool through which you bring out your capabilities and your strengths in making yourself aware of your inner self and become more confident to face the outside world. It has been believed that the personality of a person takes its basic formation in the beginning period of childhood.

Personality Development Model



COURSE CONTENT

- Theories of Personality
- Determinants of Personality
- Managing self

INTENDED AUDIENCE:

- II Year of B.E/B.Tech Students

Date: 02.08.21 to 06.08.21

Venue: Online (Microsoft teams)

COURSE COORDINATORS

1. G.MADASAMY RAJA,ASP/IT
2. P.ANITHA,AP/IT

COURSE OBJECTIVES

To enable the students to

- Understand about Personality, Behaviorism and Learning Approaches to Personality.
- Analyze Determinants of Personality.
- Know about Communication Skills, stress, empowering, motivating and inspiring others.

UNIT – I Theories of Personality

Psychoanalytical Theory of Personality- Humanistic Theory of Personality- Trait Theory of Personality- Social Cognitive Theories- Behaviorism and Learning Approaches to Personality- Eastern Theory: Thriguna Theory (SRT)

UNIT – II Determinants of Personality

Cognitive Determinants - Intellectual Development and Intellectual Capacities - Deviant Intelligence - Major areas of adjustment affected by Intelligence Socio-cultural Determinants - Family and Educational Determinants - Social Determinants Emotional Determinants - Dominant Emotions, Emotional Expressions - Emotional Balance and Emotional Deprivation - Emotional Catharsis and Emotional Stress.

UNIT – III Managing self

Emotions, Ego, Pride, Stress, Achievements, Confidence improvement, Recognition of one's own limitations and deficiencies , Interpersonal Skills, Communication Skills, Commitment , making decisions, handling your and other people's stress, empowering, motivating and inspiring others.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Know about Personality, Behaviorism and Learning Approaches to Personality.
- Analyze Determinants of Personality.
- Develop Communication Skills, stress, empowering, motivating and inspiring others.

TEXT BOOKS

1.Ciccarelli .K. Saundra, Meyer.E. Glenn, (2007). Psychology, Pearson Prentice Hall, New Delhi.

REFERENCES

1.Hilgard, E. Atkinson RC & Atkinson RL (1976). Introduction to Psychology (6th Edn.). Oxward &IBH Publishing Co. Pvt Ltd, New Delhi.



PAAVAI ENGINEERING COLLEGE
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NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 23.07.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "PERSONALITY DEVELOPMENT" for Third semester students from 02.08.21 to 06.08.21. The interested students are asked to enroll their names to the course coordinator P.ANITHA, AP/IT on or before 02.08.21.

Course Coordinators: 1. Dr.G.MADASAMY RAJA, ASP/IT *G. M. Raja*
2. P.ANITHA, AP/IT *P. Anitha*

[Signature]
HOD/IT

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Department of Information Technology

CERTIFICATE

This is to certify that

PANDI.C

of Paavai Engineering College, studying in Second year has successfully completed the value added course
"PERSONALITY DEVELOPMENT" the duration of the course is 30 hours(02.08.2021 to 06.08.2021)

Course coordinator

HOD

Principal



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Department of Information Technology

CERTIFICATE

This is to certify that

KOWSHIKA.E

of Paavai Engineering College, studying in Second year has successfully completed the value added course
"PERSONALITY DEVELOPMENT" the duration of the course is 30 hours(02.08.2021 to 06.08.2021)

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

JEEVANATH.P

of Pavaai Engineering College, studying in Second year has successfully completed the value added course
"PERSONALITY DEVELOPMENT" the duration of the course is 30 hours(02.08.2021 to 06.08.2021)

Course coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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Department of Information Technology

CERTIFICATE

This is to certify that

DURGADEVI.R

of Paavai Engineering College, studying in Second year has successfully completed the value added course
"PERSONALITY DEVELOPMENT" the duration of the course is 30 hours (02.08.2021 to 06.08.2021)

Course coordinator

HOD

Principal



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

Department of Information Technology

CERTIFICATE

This is to certify that

DHANUSH KUMAR.S

of Paavai Engineering College, studying in Second year has successfully completed the value added course
"PERSONALITY DEVELOPMENT" the duration of the course is 30 hours(02.08.2021 to 06.08.2021)



Course coordinator



HOD



Principal



PAAVAI ENGINEERING COLLEGE

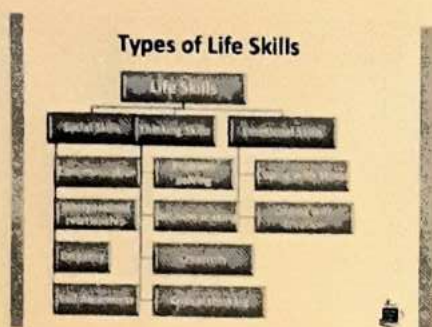
(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

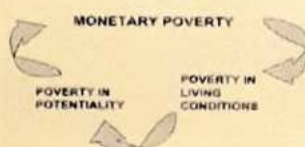
VALUE ADDED COURSE

21ITVC501 & INTRODUCTION TO LIFE SKILLS

Life Skills are psychosocial competences which enable an individual develop adaptive and positive behavior so as to deal effectively with challenges and demands of everyday life. The development of Life Skills is a life long process that starts in early childhood and continues throughout one's life.



Life Skills is...
Education to fight Poverty and Vulnerability.



COURSE CONTENT

- Introduction
- Evolution of the Concept of Life Skills
- Learning

INTENDED AUDIENCE:

- III Year of B.E/B.Tech Students

Date: 02.08.21 to 06.08.21

Venue: Online(Microsoft teams)

COURSE COORDINATORS

1. M.PUSHPALATHA,ASP/IT

2. B.DEEPA,AP/IT

21ITVC501

INTRODUCTION TO LIFE SKILLS

COURSE OBJECTIVES

To enable the students to

- Know and understand the importance of Life Skills.
- Evolution of the Concept of Life Skills.
- Understand about Approaches to Learning.

UNIT I Introduction

Definition and Importance of Life Skills- Livelihood Skills, Survival Skills and Life Skills- Life Skills Education, Life Skills Approach, Life Skills Based Education - Life Skills Training - Implementation Models.

UNIT – II Evolution of the Concept of Life Skills

Genesis of the Concept - UN Inter-Agency Meeting - Hamburg Declaration - Quality Education and Life Skills: Dakar Framework - Life Skills Education in the Indian Context.

UNIT – III Learning

Learning and Performance, Learning and Cognitive Development, Learning and Maturation - Adult Learning - Approaches to Learning: Behaviouristic and Cognitive Approaches - Theory of Social Learning: Albert Bandura - Bloom's Taxonomy of Learning Outcomes - Rogers Situated Learning

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Understand the importance of Life Skills.
- Implement the Concept of Life Skills.
- Analyze about Approaches to Learning.

TEXT BOOKS

1. Life Skills Resource Manual, Schools Total Health Program, (2006). Health Education and Promotion International Inc., Chennai.

REFERENCES

1. Dakar Framework for Action, (2000). Education for All: Meeting our Collective Commitments, Dakar, Senegal.



PAAVAI ENGINEERING COLLEGE
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NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 23.07.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "INTRODUCTION TO LIFE SKILLS" for Fifth semester students from 02.08.21 to 06.08.21. The interested students are asked to enroll their names to the course coordinator M.PUSHPALATHA, ASP/IT on or before 02.08.21.

Course Coordinators: 1. M.PUSHPALATHA, ASP/IT

2. B.DEEPA, AP/IT

HOD/IT

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DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : III/V

Name of the course: 21ITVC501- INTRODUCTION TO LIFE SKILLS

S.No	Register No	Student Name	02.08.21	03.08.21	04.08.21	05.08.21	06.08.21
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	ab	ab	ab	ab
7.	19202007	BHUVANESHWARAN.P	/	/	/	/	/
8.	19202008	CHARU LATHA.R	/	/	/	/	/
9.	19202009	DHARUN KUMAR.S	/	/	/	/	/
10.	19202010	DINESH KUMAR.V	/	/	ab	/	/
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	/	ab	/	/	/
17.	19202018	HEMKANTH.P	/	/	/	/	/
18.	19202019	HERAMBHA PRASATH.S	/	/	/	/	/

S.No	Register No	Student Name	02.08.21	03.08.21	04.08.21	05.08.21	06.08.21
19.	19202020	JAYAGANESH.K	/	/	/	/	/
20.	19202021	KABILASH BALAJI.M	ab	ab	ab	ab	ab
21.	19202022	KING DINAKARAN.R.K	ab	ab	ab	ab	ab
22.	19202023	KISHORE.M	/	/	/	/	/
23.	19202024	LOGESH.R	/	/	/	/	/
24.	19202025	LOGESHWARAN.M	/	/	/	/	/
25.	19202026	LOGESHWARAN.S	/	/	/	/	/
26.	19202027	MANO RANJANI.S	/	/	/	/	/
27.	19202028	MITHRA.M	/	/	/	/	/
28.	19202029	MOHAMMED RIYAZ.A	/	/	/	/	/
29.	19202030	MONIKA.K.E	/	/	/	/	/
30.	19202031	MUGUNTHAN.R	/	/	/	/	/
31.	19202032	MUKUNTHAN.M	/	/	/	/	/
32.	19202034	NAVEEN.E	/	/	/	/	/
33.	19202035	NIRANJANKUMAR.T	/	/	/	/	/
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	/	/	/	/	/
41.	19202043	PREMKUMAR.J	/	/	/	/	/
42.	19202044	RAGHUL.N	/	/	/	/	/
43.	19202045	RAVEENA.M	/	/	/	/	/

S.No	Register No	Student Name	02.08.21	03.08.21	04.08.21	05.08.21	06.08.21
44.	19202046	RISHI KESHWAR	ab	ab	ab	ab	ab
45.	19202047	SANJAY.R.S	/	/	/	/	/
46.	19202049	SATHISHKUMAR.S	/	/	/	/	/
47.	19202050	SATHYAA.B.B.	/	/	/	/	/
48.	19202051	SIDDARTH.M	/	/	/	/	/
49.	19202052	SIVA.P	/	/	/	/	/
50.	19202053	SNEHA.B	/	/	/	/	/
51.	19202054	SRIDHARAN.R.S	/	/	/	/	/
52.	19202055	SUNIL RAJ.T	/	/	/	/	/
53.	19202056	SWEEDHA.R	/	/	/	/	/
54.	19202057	VARUN PRASATH.K	/	/	/	/	/
55.	19202058	VASANTH.M	/	/	/	/	/
56.	19202059	VEERA RAGAVAN.G	/	/	ab	/	/
57.	19202060	VENKATESH.S	/	/	/	/	/
58.	19202061	VIGNESH.S	/	/	/	/	/
59.	19202062	VIGNESHWARAN.P	/	/	/	/	/
60.	19202063	YOGALAKSHMI.S	/	/	/	/	/
61.	19202301	KARTHICK.S	/	/	/	/	/


Course Coordinator



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Department of Information Technology

CERTIFICATE

This is to certify

YOGALAKSHMI.S

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "INTRODUCTION TO LIFE SKILL". The duration of the course is 30 hours (02/08/2021 to 05/08/2021)

Course Coordinator

HOD

Principal



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Department of Information Technology

CERTIFICATE

This is to certify

VARUN PRASATH.K

of Paavai Engineering College, studying in Third Year has successfully completed the
Value-added Course "INTRODUCTION TO LIFE SKILL". The duration of the course is 30 hours
(02/08/2021 to 05/08/2021)

Course Coordinator

HOD

Principal



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Department of Information Technology

CERTIFICATE

This is to certify that

VEERA RAGAVAN.G

of Paavai Engineering College, studying in Third year has successfully completed the value added course

"INTRODUCTION TO LIFE SKILLS" the duration of the course is 30 hours(02.08.2021 to 05.08.2021)

Course coordinator

HOD

Principal



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Department of Information Technology

CERTIFICATE

This is to certify that

SNEHA.B

of Paavai Engineering College, studying in Third year has successfully completed the value added course

"INTRODUCTION TO LIFE SKILLS" the duration of the course is 30 hours(02.08.2021 to 05.08.2021)

Course coordinator

HOD

Principal



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Department of Information Technology

CERTIFICATE

This is to certify that

PAVITHRA.V.M

of Paavai Engineering College, studying in Third year has successfully completed the value added course

"INTRODUCTION TO LIFE SKILLS" the duration of the course is 30 hours(02.08.2021 to 05.08.2021)

Course coordinator

HOD

Principal



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Department of Information Technology

CERTIFICATE

This is to certify that

PAVEENA.K

of Paavai Engineering College, studying in Third year has successfully completed the value added course

"INTRODUCTION TO LIFE SKILLS" the duration of the course is 30 hours(02.08.2021 to 05.08.2021)

Course coordinator

HOD

Principal



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Department of Information Technology

CERTIFICATE

This is to certify that

LOGESHWARAN.M

of Paavai Engineering College, studying in Third year has successfully completed the value added course

"INTRODUCTION TO LIFE SKILLS" the duration of the course is 30 hours(02.08.2021 to 05.08.2021)

Course coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

21ITVC701 & DRONE PROGRAMMING

It also enables a drone to make decisions and execute tasks without human intervention, such as last mile delivery. Drone programming typically includes algorithm development and prototyping, software simulation, and hardware implementation and testing.



COURSE CONTENT

- INTRODUCTION TO THE AR.DRONE SDK 8
- USE OPENCV WITH THE AR.DRONE SDK

INTENDED AUDIENCE:

- IV Year of B.E/B.Tech Students

Date: 02.08.21 to 06.08.21

Venue: Online (Microsoft teams)

COURSE COORDINATORS

1. B.B.VENKATESAN, HOD/IT
2. M.BABYLATHA, AP/IT

COURSE OBJECTIVES

To enable the students to

- Introduction to the fundamentals of DRONE programming.
- Creating an AR.DRONE graphical application.
- Developing a graphical application using DRONE SDK.

MODULE I INTRODUCTION TO THE AR.DRONE SDK 8

- What is the AR.Drone
- The SDK
- SDK structure
- Building the examples

MODULE II CREATING AN AR.DRONE GRAPHICAL APPLICATION 8

- The AR.Drone Tool
- Creating the user interface
- Creating the GUI thread
- Displaying the camera images

MODULE IV USE OPENCV WITH THE AR.DRONE SDK 8

- Compiling the AR.Drone SDK with OpenCV
- Creating an OpenCV image from the drone's image
- Vertical camera handling
- Converting OpenCV images to GdkPixbuf

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Develop simple programs in AR.DRONE.
- Construct models using OpenCV with AR.DRONE
- Create animations with OpenCV and AR.DRONE

TEXT BOOKS

1. A Beginners' Guide to Drones, UAVs, and ROVs By John Baichtal · 2015

REFERENCES

1. Drone Technology in Architecture, Engineering and Construction: A Strategic Guide to Unmanned Aerial Vehicle Operation and Implementation Paperback – Import, 22 April 2021



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 23.07.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "DRONE PROGRAMMING" for Seventh semester students from 02.08.21 to 06.08.21. The interested students are asked to enroll their names to the course coordinator M.BABYLATHA, AP/IT on or before 02.08.21.

Course Coordinators: 1. B.VENKATESAN, HOD/IT

2. M.BABYLATHA, AP/IT

HOD/IT

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DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV/VII

Name of the course: 21ITVC701- DRONE PROGRAMMING

S.No	Register No	Student Name	02.08.21	03.08.21	04.08.21	05.08.21	06.08.21
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	/	/	ab	/	/
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	/	/	/	/	/
14.	18202015	LOGESHKUMAR.B	/	/	/	/	/
15.	18202016	MADHAVARAJ.J	/	/	/	/	/
16.	18202017	MADHUBALAN.T	/	/	/	/	/
17.	18202018	MANOJ.D	/	/	/	/	/
18.	18202019	MEENATCHI.P	/	/	/	/	/



PAAVAI ENGINEERING COLLEGE

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Department of Information Technology

CERTIFICATE

This is to certify that

SIVAKUMAR.M

of Paavai Engineering College, studying in Final year has successfully completed the value added course
"DRONE PROGRAMMING" the duration of the course is 30 hours(02.08.2021 to 06.08.2021)

Course coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Information Technology

CERTIFICATE

This is to certify that

SHARUMATHI.R

of Paavai Engineering College, studying in Final year has successfully completed the value added course

"DRONE PROGRAMMING" the duration of the course is 30 hours(02.08.2021 to 06.08.2021)

Course coordinator

HOD

Principal



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Department of Information Technology

CERTIFICATE

This is to certify that

SANJAY.M

of Paavai Engineering College, studying in Final year has successfully completed the value added course
"DRONE PROGRAMMING" the duration of the course is 30 hours(02.08.2021 to 06.08.2021)



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

VINDHIYA PRIYADHARSHINI.S

of Paavai Engineering College, studying in Final year has successfully completed the value added course

"DRONE PROGRAMMING" the duration of the course is 30 hours(02.08.2021 to 06.08.2021)

Course coordinator

HOD

Principal



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Department of Information Technology

CERTIFICATE

This is to certify that

RAMYA.R

of Paavai Engineering College, studying in Final year has successfully completed the value added course
"DRONE PROGRAMMING" the duration of the course is 30 hours(02.08.2021 to 06.08.2021)

Course coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

21ITVC401 & FUNDAMENTALS OF COMPUTING

The fundamentals of computing refer to the basic principles and concepts that underlie the design, operation, and use of computers and computational systems. These principles are essential for understanding how computers work, how they process information, and how they can be utilized to solve problems efficiently.



COURSE CONTENT

- COMPUTER PERIPHERALS
- COMPUTER SOFTWARE & LANGUAGES
- INTRODUCTION TO MS DOS & WINDOWS

INTENDED AUDIENCE:

- II Year of B.E/B.Tech Students

Date: 21.02.22 to 25.02.22

Venue: T239

COURSE COORDINATORS

1. N.HEMALATHA, AP/IT
2. V.SARAVANABHAVAN, AP/IT

COURSE OBJECTIVES

To enable the students to

- To understand basics of computer and working with OS.
- To develop working skills with productivity tools, graphics designing and Internet.
- To acquire basic programming skills.

UNIT - I COMPUTER PERIPHERALS

Introduction to Input Devices: Categorizing Input Hardware, Keyboard, Direct Entry — Card Readers, Scanning Devices — O.M.R., Character Readers, Thumb Scanner, MICR, Smart Cards, Voice Input Devices, Pointing Devices — Mouse, Light Pen, Touch Screen. Computer Output: Output Fundamentals, Hardcopy Output Devices, Impact Printers, Non-Impact Printers, Plotters, Computer output Microfilm/Microfiche (COM) systems, Softcopy Output Devices, Cathode Ray Tube, Flat Screen Technologies, Projectors, Speakers.

UNIT II COMPUTER SOFTWARE & LANGUAGES

System Software: System software Vs. Application Software, Types of System Software, Introduction and Types of Operating Systems. Boot Loader, Diagnostic Programs, BIOS, Utility Programs. Application Software: Microcomputer Software, Interacting with the System, Trends in PC software, Types of Application Software, Difference between Program and Packages. Computer Languages: Definition, Generations of computer languages. Types of Languages, Language Processors: Assembler, Interpreter, Compiler, Linker and Loader. Programming constructs, Algorithm & flowchart.

UNIT III INTRODUCTION TO MS DOS & WINDOWS

Introduction to DOS: History and versions of DOS. Fundamentals of DOS: Physical Structure of the Disk, Compatibility of drives, Disks & DOS versions, Preparing Disks for use, Device Names. Getting Started with DOS: Booting Process (DOS, Windows, Unix). System Files and Command.com, Internal DOS Files & Directories, Elementary External DOS Commands, Creating a Batch Files, Additional Commands. Microsoft Windows: Operating system-Definition & functions, basics of Windows. Basic components of windows, icons, types of icons, taskbar, activating windows, using desktop, title bar, running applications, exploring computer, managing files and folders, copying and moving files and folders. Control panel—display properties, adding and removing software and hardware, setting date and time, screen saver and appearance. Using windows accessories.

COURSE OUTCOMES

At the end this course, students will be able to

- Converse in basic computer terminology
- Possess the knowledge of basic hardware peripherals
- Develop skills for productivity software and OS

TEXT BOOKS

- Computer Fundamentals, P. K. Sinha, BPB Publications, Sixth Edition.

REFERENCES

- Fundamental of Information Technology, ChetanShrivastava, Kalyani Publishers



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 17.02.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on “FUNDAMENTALS OF COMPUTING” for Fourth semester students from 21.02.22 to 25.02.22. The interested students are asked to enroll their names to the course coordinator N.HEMALATHA, AP/IT on or before 21.02.22.

Course Coordinators:1. N.HEMALATHA,AP/IT

2. V.SARAVANABHAVAN,AP/IT

HOD/IT

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PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/IV

Name of the course: 21ITVC401-FUNDAMENTALS OF COMPUTING

S.No	Register No	Student Name	21.02.22	22.02.22	23.02.22	24.02.22	25.02.22
1.	20202001	AISHWARYA.S	/	/	/	/	/
2.	20202002	AJAY.A	/	/	/	/	/
3.	20202003	ANTONY JAYANELSON.J	ab	ab	ab	/	ab
4.	20202004	ATCHAYA.M	/	/	/	/	/
5.	20202005	BALESHWARAN.D	/	/	/	/	/
6.	20202006	BARATH KUMAR.S	/	/	/	/	/
7.	20202007	BARATH.S	ab	/	ab	ab	ab
8.	20202008	BOWTHIKA.K	/	/	/	/	/
9.	20202009	CHANDRAMENON.E	/	/	/	/	/
10.	20202011	CHIRANJEEVI.S	/	/	/	/	/
11.	20202012	DEVADARSHINI.S	/	/	/	/	/
12.	20202013	DEVADHARSHINI.R	/	/	/	/	/
13.	20202014	DHANUSH KUMAR.S	ab	ab	ab	/	ab
14.	20202015	DHIVYAPRIYA.K	/	/	/	/	/
15.	20202016	DINESHKUMAR.G	/	/	/	/	/
16.	20202017	DURGADEVI.R	/	/	/	/	/
17.	20202018	ELAVARASAN.A	/	/	/	/	/
18.	20202019	GOWTHAM.D	/	/	/	/	/

S.No	Register No	Student Name	21.02.22	22.02.22	23.02.22	24.02.22	25.02.22
19.	20202020	GUNASEELAN.S	/	/	/	/	/
20.	20202021	HARSINI.S	/	/	/	/	/
21.	20202022	JAWAHAR.E	ab	ab	ab	/	ab
22.	20202023	JAYAKRISHNAN.V	/	/	/	/	/
23.	20202024	JEEVANATH.P	/	/	/	/	/
24.	20202025	KAMATCHI PRIYA.D	/	/	/	/	/
25.	20202026	KANDHASAMY.V	/	/	/	/	/
26.	20202027	KARRAN.J	/	/	/	/	/
27.	20202028	KOWSHIKA.E	/	/	/	/	/
28.	20202029	LOKESH.S	/	/	/	/	/
29.	20202030	NADANASIVAM.A	/	/	/	/	/
30.	20202031	NARESH.A.P	/	/	/	/	/
31.	20202032	NAVEENKUMAR.A	/	/	/	/	/
32.	20202033	NAVEEN.A	/	/	/	/	/
33.	20202034	NITHEESHWARAN.S.M	ab	ab	ab	ab	ab
34.	20202035	PANDI.C	/	/	/	/	/
35.	20202036	PARTHIBAN.M	/	/	/	/	/
36.	20202037	PRIYADHARSHINI.B	/	/	/	/	/
37.	20202038	RAGHUL.A	/	/	/	/	/
38.	20202040	RAJESWARAN.T	/	/	/	/	/
39.	20202042	RAMANI.S	/	/	/	/	/
40.	20202043	RITHIKA.S	/	/	/	/	/
41.	20202044	SABARESH.M	ab	ab	ab	/	ab
42.	20202045	SAM.P	/	/	/	/	/

S.No	Register No	Student Name	21.02.22	22.02.22	23.02.22	24.02.22	25.02.22
43.	20202046	SANTHOSH KUMAR.A	/	/	/	/	/
44.	20202047	SANTHOSH KUMAR.G	/	/	/	/	/
45.	20202048	SELVAMANI.S	/	/	/	/	/
46.	20202049	SHABARIE.S	/	/	/	/	/
47.	20202050	SHARMILA.K	/	/	/	/	/
48.	20202051	SNEKA C	/	/	/	/	/
49.	20202052	SOWMEYA.B	/	/	/	/	/
50.	20202053	SOWMIYA.K	/	/	/	/	/
51.	20202054	SRIRAM.K	/	/	/	/	/
52.	20202055	SUDHAN.B	/	/	/	/	/
53.	20202057	VASEEKARAN.M	/	/	/	/	/
54.	20202058	VIGNESH KUMAR.R	/	/	/	/	/
55.	20202059	VIJAYA RAGHAVAN.S.P	ab	ab	ab	ab	ab
56.	20202060	VIKRAM RAJA.S	/	/	/	/	/
57.	20202061	VIKRAM.M	ab	ab	ab	ab	ab
58.	20202062	VIMAL KUMAR.K	/	/	/	/	/
59.	20202301	GOPINATH.N	/	/	/	/	/
60.	20202303	SNEHA. R	/	/	/	/	/
61.	20202304	SUDHAN.R.J	ab	ab	ab	ab	ab
62.	20202305	THARANI. B	/	/	/	/	/
63.	20202306	VIDYAWATHI. S	/	/	/	/	/
64.	20202307	VINOTHINI. K	/	/	/	/	/



Course Coordinator



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

AISHWARYA.S

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course "FUNDAMENTALS OF COMPUTING". The duration of the course is 30 hours
(21.02.2022 to 25.02.2022).

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

AJAY.A

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course "FUNDAMENTALS OF COMPUTING". The duration of the course is 30 hours
(21.02.2022 to 25.02.2022).

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Information Technology

CERTIFICATE

This is to certify that

ATCHAYA.M

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

(21.02.2022 to 25.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

BALESHWARAN.D

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course "FUNDAMENTALS OF COMPUTING". The duration of the course is 30 hours
(21.02.2022 to 25.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Information Technology

CERTIFICATE

This is to certify that

BARATH KUMAR.S

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

(21.02.2022 to 25.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

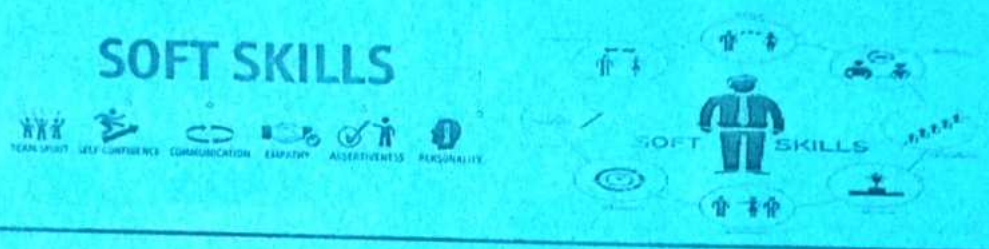
(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

21ITVC601 & INTRODUCTION TO SOFT SKILLS

It provides an overview of the course's objectives, content, and benefits. Such a course focuses on developing essential interpersonal skills that are crucial for personal and professional success. The course is designed to help individuals enhance their communication, teamwork, emotional intelligence, adaptability, and other soft skills that play a significant role in building meaningful relationships and thriving in diverse environments.



COURSE CONTENT

- POSITIVE ATTITUDE
- VOCABULARY ENRICHMENT
- RESUME WRITING

INTENDED AUDIENCE:

- III Year of B.E/B.Tech Students

Date: 21.02.22 to 25.02.22

Venue: CUTE HALL

COURSE COORDINATORS

1. Dr.P.THIYAGARAJAN,AP/IT

2. P.ANITHA,AP/IT

COURSE OBJECTIVES

To enable the students to

- To inculcate positive attitude among the learners
- To introduce goal setting to the learners
- To instill effective communicative skills in the learners

UNIT - I POSITIVE ATTITUDE

Attitude - Features of Attitudes -Formation of Attitudes- Psychological Factors - Change of Attitudes –Ways of Changing Attitude in a Person – The Power of Positive Attitude -The Benefits of Positive Attitude - Developing Positive Attitude - Obstacles in Developing Positive Attitude - Negative Attitude - The Causes of Negative Attitude -The Consequences of Negative Attitude -How to Change Negative Attitude.

UNIT II VOCABULARY ENRICHMENT

Definition and Importance – Word Formation : Prefixes and Suffixes - Compound Words - Compound Nouns – Compound Adjectives -Synonyms and Antonyms -Homonyms – Homophones - Idioms and Phrases -One Word Substitutes - Confused Words –Tips for Vocabulary Enrichment - Oral Presentation : Techniques and Tasks – Self –Introduction- Talking about Objects -Description of Person - Welcome Speech - Vote of Thanks.

UNIT III RESUME WRITING:

Definition - Resume Development -How Does a Resume Work for You –Information that Appears on Most Resumes - Resume Writing Tips – Online Resumes - Guidelines for Submitting Resumes on the Web - Computer Friendly Resume Tips.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Actively participate in group discussion / meetings / interviews and prepare & deliver presentations
- Become more effective individual through goal/target setting, self-motivation and practicing creative thinking
- Effectively communicate through verbal/oral communication and improve the listening skills

TEXT BOOKS

- Soft Skills: An Introduction (Paperback, Dr. P. Suresh), First edition, 2018

REFERENCES

- Soft Skills: Key to Success in Workplace and Life Paperback – 1 September 2017 by Meenakshi Raman (Author), Shalini Upadhyay (Author)



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY

DATE: 17.02.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "INTRODUCTION TO SOFT SKILLS" for Sixth semester students from 21.02.22 to 25.02.22. The interested students are asked to enroll their names to the course coordinator Dr.P.THİYAGARAJAN, AP/IT on or before 21.02.22.

Course Coordinators: 1. Dr.P.THİYAGARAJAN, AP/IT *pu*

2. P.ANITHA, AP/IT *P. Anitha*

B.V.
HOD/IT

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year Semester : III/VI

Name of the course: 21ITVC601-INTRODUCTION TO SOFT SKILLS

S.No	Register No	Student Name	21.02.22	22.02.22	23.02.22	24.02.22	25.02.22
1	19202001	ALEN.A	AB	AB	AB	AB	/
2	19202002	AMULYA V	/	/	/	/	/
3.	19202003	ANBARASAN.N	AB	AB	/	AB	AB
4	19202004	ARIVUSELVAN.M	/	/	/	/	/
5	19202005	ARUN V	/	/	/	/	/
6	19202006	BALAJI.V.M	/	/	/	/	/
7.	19202007	BHUVANESHWARAN.P	/	/	/	/	/
8	19202008	CHARU LATHA.R	/	/	/	/	/
9.	19202009	DHARUN KUMAR S	/	/	/	/	/
10	19202010	DINESH KUMAR.V	/	/	/	/	/
11.	19202011	DINESH RAGUL.S	/	/	/	/	/
12.	19202012	ELUMALAI.S	AB	AB	AB	AB	AB
13.	19202013	EZHUMALAI.M	/	/	/	/	/
14.	19202014	GOKULAKANNAN.M	/	/	/	/	/
15.	19202015	GOKULAVANAN.P	/	/	/	/	/
16.	19202017	HARIPRASTH.P	/	/	/	/	/
17.	19202018	HEMKANTH.P	AB	AB	AB	AB	AB
18.	19202019	HERAMBHA PRASATH.S	/	/	/	/	/

S.No	Register No	Student Name	21.02.22	22.02.22	23.02.22	24.02.22	25.02.22
19.	19202020	JAYAGANESH.K	/	/	/	/	/
20.	19202021	KABILASH BALAJI.M	/	/	/	/	/
21.	19202022	KING DINAKARAN.R.K	AB	AB	AB	/	AB
22.	19202023	KISHORE.M	/	/	/	/	/
23.	19202024	LOGESH.R	/	/	/	/	/
24.	19202025	LOGESHWARAN.M	/	/	/	/	/
25.	19202026	LOGESHWARAN.S	/	/	/	/	/
26.	19202027	MANO RANJANI.S	AB	AB	AB	AB	AB
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	AB	AB	AB	AB	AB
41.	19202043	PREMKUMAR.J	/	/	/	/	/
42.	19202044	RAGHUL.N	/	/	/	/	/
43.	19202045	RAVEENA.M	/	/	/	/	/

S.No	Register No	Student Name	21.02.22	22.02.22	23.02.22	24.02.22	25.02.22
44	19202046	RISHI KESHWAR	AB	AB	AB	AB	/
45	19202047	SANJAY.R.S	/	/	/	/	/
46	19202049	SATHISHKUMAR S	/	/	/	/	/
47	19202050	SATHYAA B.B	/	/	/	/	/
48	19202051	SIDDARTH.M	/	/	/	/	/
49	19202052	SIVA.P	/	/	/	/	/
50	19202053	SNEHA B	/	/	/	/	/
51	19202054	SRIDHARAN R.S	/	/	/	/	/
52	19202055	SUNIL RAJ.T	AB	AB	AB	/	AB
53	19202056	SWEEDHA.R	/	/	/	/	/
54	19202057	VARUN PRASATH.K	/	/	/	/	/
55	19202058	VASANTH.M	AB	AB	AB	AB	AB
56	19202059	VEERA RAGAVAN.G	/	/	/	/	/
57	19202060	VENKATESH.S	AB	AB	AB	/	AB
58	19202061	VIGNESH S	/	/	/	/	/
59	19202062	VIGNESHWARAN.P	/	/	/	/	/
60	19202063	YOGALAKSHMI.S	/	/	/	/	/
61	19202301	KARTHICK.S	/	/	/	/	/


 Course Coordinator



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

AMULYA.V

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "INTRODUCTION TO SOFT SKILLS". The duration of the course is 30 hours

(21.02.2022 to 25.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

ARIVUSELVAN.M

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "INTRODUCTION TO SOFT SKILLS". The duration of the course is 30 hours

(21.02.2022 to 25.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

ARUN.V

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "INTRODUCTION TO SOFT SKILLS". The duration of the course is 30 hours
(21.02.2022 to 25.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

BALAJI.V.M

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "INTRODUCTION TO SOTF SKILLS". The duration of the course is 30 hours

(21.02.2022 to 25.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

BHUVANESHWARAN.P

of Paavai Engineering College, studying in Third Year has successfully completed the Value-added Course "INTRODUCTION TO SOFT SKILLS". The duration of the course is 30 hours
(21.02.2022 to 25.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

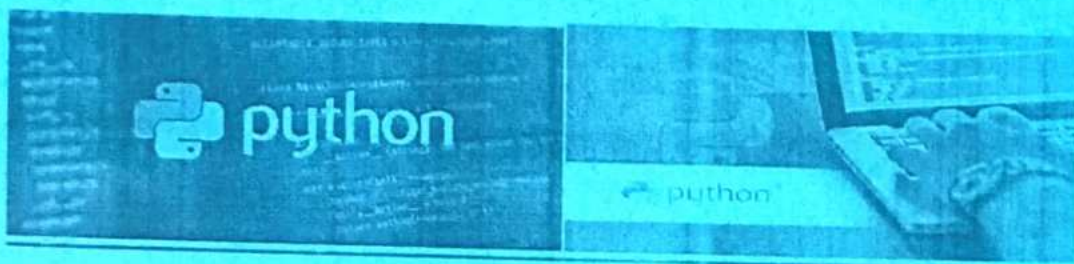
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DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

2IITVC801 & PYTHON PROGRAMMING

Python is a versatile, high-level programming language known for its simplicity, readability, and extensive libraries, making it an excellent choice for beginners and experienced developers alike. Python is widely used in various fields, including web development, data science, artificial intelligence, automation, and more.



COURSE CONTENT

- INTRODUCTION TO PYTHON
- FUNCTIONS AND DATA STRUCTURES
- OBJECT ORIENTED PROGRAMMING IN PYTHON

INTENDED AUDIENCE:

- IV Year of B.E/B.Tech Students

Date: 21.02.22 to 25.02.22

Venue: T220

COURSE COORDINATORS

1. S.SARAVANAKUMAR, AP/IT

2. M.BABYLATHA, AP/IT

COURSE OBJECTIVES

To enable the students to

- To understand the basics of concepts of python programming
- To define python functions and use function calls to solve problems
- To use python in object oriented programming

UNIT-I INTRODUCTION TO PYTHON

Overview of python and its history installing python and a text editor/IDE basic python syntax and data types input and output operations control flow: if-else statements and loops.

UNIT II FUNCTIONS AND DATA STRUCTURES

Functions: defining, calling, and passing arguments scope and variable visibility, Lists, tuples, and dictionaries working with strings and File handling in Python.

UNIT III OBJECT-ORIENTED PROGRAMMING IN PYTHON

Introduction to Object-Oriented Programming (OOP). Classes and objects, Encapsulation, inheritance, and polymorphism, Exception handling and Introduction to modules and libraries.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- Understand fundamental programming concepts such as variables, data types, control structures, and functions
- Understand of web development using Python-based frameworks like Flask.
- Learn coding best practices, including writing clean, readable, and well-documented Python code.

TEXT BOOKS

- "Python Programming: An Introduction to python" by John Zelle.

REFERENCES

- John Zelle , This book is perfect for beginners, providing a hands-on approach to learning Python with practical projects and exercises.



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

NAMAKKAL -637 018

DEPARTMENT OF INFORMATION TECHNOLOGY


DATE: 17.02.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "PYTHON PROGRAMMING" for Eighth semester students from 21.02.22 to 25.02.22. The interested students are asked to enroll their names to the course coordinator M.BABYLATHA, AP/IT on or before 21.02.22

Course Coordinators: 1. S.SARAVANAKUMAR, AP/IT

2. M.BABYLATHA, AP/IT



HOD/IT

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : IV/VIII

Name of the course : 21ITVC801-PYTHON PROGRAMMING

S.No	Register No	Student Name	21.02.22	22.02.22	23.02.22	24.02.22	25.02.22
1	18202001	ABDUL RAHMAN A L Y	/	/	/	/	/
2	18202002	ABINAS N	/	/	/	/	/
3	18202003	ASWIN M	/	/	/	/	/
4	18202004	AZARUDIN N	/	/	/	/	/
5	18202005	BALACHIANDAR M	ab	ab	ab	ab	ab
6	18202006	BHARATHKUMAR T	/	/	/	/	/
7	18202007	BHUVANESHWARI G	/	/	/	/	/
8	18202008	DHILIPKUMAR S	/	/	/	ab	ab
9	18202010	HARISH M	/	/	/	/	/
10	18202011	JAISURYA S	/	/	/	/	/
11	18202012	JAYASREE M	/	/	/	/	/
12	18202013	KASHIFA AIMAN S	ab	ab	ab	ab	ab
13	18202014	KAVIN K S	/	/	/	/	/
14	18202015	LOGESHKUMAR B	/	/	/	/	/
15	18202016	MADHAVARAJ J	/	/	/	/	/
16	18202017	MADHUBALAN T	/	/	/	/	/
17	18202018	MANOJ D	/	/	/	/	/
18	18202019	MEENATCHIL P	/	ab	ab	/	/

S.No	Register No	Student Name	21.02.22	22.02.22	23.02.22	24.02.22	25.02.22
19	18202020	MOHAMED RILWAN A	/	/	/	/	/
20	18202021	MONISHA M	/	/	/	/	/
21	18202022	NETHIYALAGAN B	ab	ab	ab	ab	ab
22	18202023	NITHISHKUMAR S	/	ab	/	ab	/
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	/	/	/	/	/
33	18202036	SIVAKUMAR M	/	/	/	/	/
34	18202037	SIVAROHINI S		/	/	/	ab
35	18202038	SNEHA M	/	/	/	/	/
36	18202039	SOUNDARIYA B	/	/	/	/	/
37	18202040	SUBASH J	ab	ab	ab	ab	ab
38	18202041	SURENTHIRAN G	/	/	/	ab	ab
39	18202042	VENGADANATHAN M	/	/	/	/	/
40	18202043	VINDHIYA PRIYADHARSHINI S	/	/	/	/	/
41	18202302	SARAVANAN R	/	/	/	/	/
42	18202303	SIVASURYA S	ab	ab	ab	ab	ab

Course Coordinator

M. P. C. S.



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

ABDUL RAHMAN.A.L.Y

of Paavai Engineering College, studying in Final Year has successfully completed the Value-added Course "PYTHON PROGRAMMING". The duration of the course is 30 hours
(21.02.2022 to 25.02.2022)

M. S. S. S.

Course Coordinator

B. S. S.

HOD

P. S. S.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

ABINAS.N

of Paavai Engineering College, studying in Final Year has successfully completed the Value-added Course "PYTHON PROGRAMMING". The duration of the course is 30 hours
(21.02.2022 to 25.02.2022)

M. S. S. S.

Course Coordinator

G. S. S.

HOD

R. S. S.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

ASWIN.M

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

Course "PYTHON PROGRAMMING". The duration of the course is 30 hours

(21.02.2022 to 25.02.2022)

M. S. S. S.

Course Coordinator

B. S. S.

HOD

P. S. S.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

AZARUDIN.N

of Paavai Engineering College, studying in Final Year has successfully completed the Value-added Course "PYTHON PROGRAMMING". The duration of the course is 30 hours
(21.02.2022 to 25.02.2022)

M. S. S. S.

Course Coordinator

B. S. S.

HOD

P. S. S.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Information Technology

CERTIFICATE

This is to certify that

BHARATHKUMAR.T

of Paavai Engineering College, studying in Final Year has successfully completed the Value-added Course "PYTHON PROGRAMMING". The duration of the course is 30 hours
(21.02.2022 to 25.02.2022)



Course Coordinator



HOD



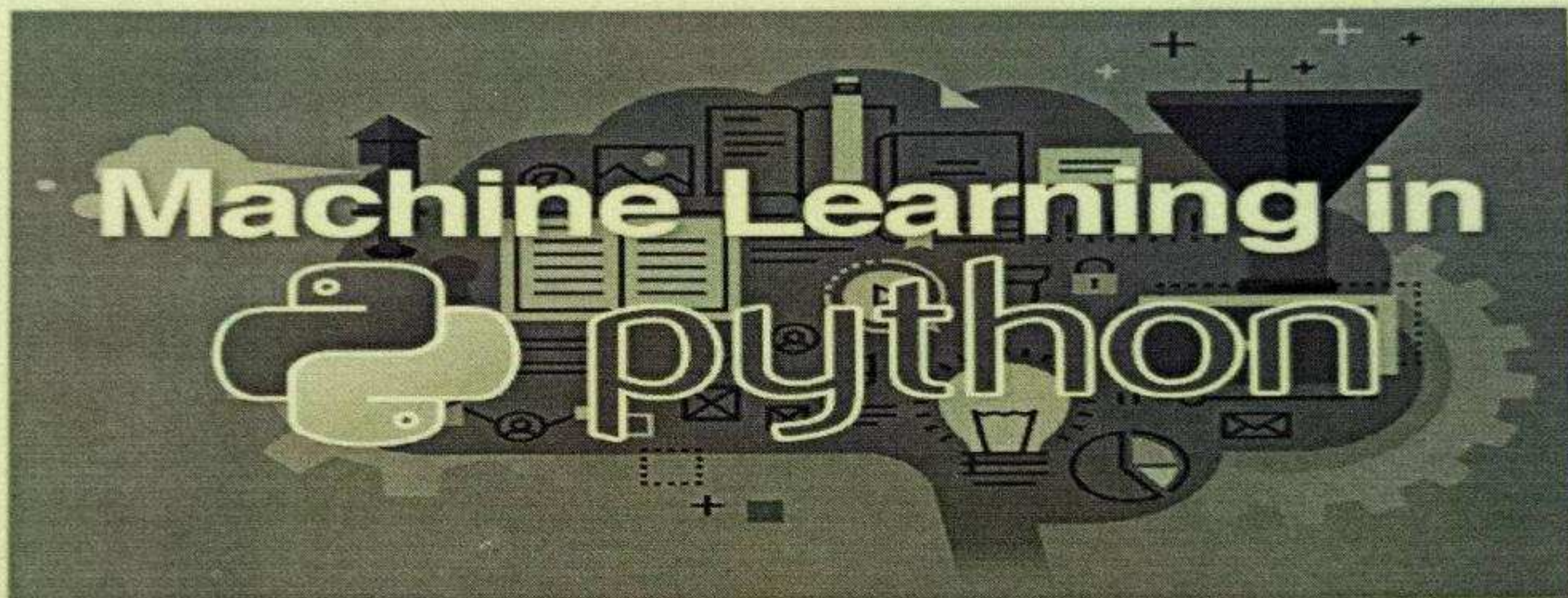
Principal

PAAVAI ENGINEERING COLLEGE
(Autonomous)

DEPARTMENT OF CYBER SECURITY
Value Added Course
ON
20CYVC301 - MACHINE LEARNING WITH PYTHON

ABOUT THE COURSE:

Machine learning is a method of teaching computers to learn from data, without being explicitly programmed. Python is a popular programming language for machine learning because it has a large number of powerful libraries and frameworks that make it easy to implement machine learning algorithms.



INTENDED AUDIENCE:

- II Year of B.E, B. Tech – Students
- Students able to apply a variety of techniques to solve problems in areas such as machine learning and Artificial Intelligence.

Date: 02.08.21 to 06.08.21

Venue: Class Room No 318

Course Coordinator:

R. Loganathan, AP/ CYS

PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

Machine Learning with Python

20CYVC301

COURSE OBJECTIVES

To enable the students to

- understand the fundamentals of various machine learning algorithms.
- gain knowledge on important methods in Fuzzy and Genetic algorithm.
- study the machine learning algorithms for various heuristic and non-heuristic algorithms.

Module 1 - Introduction to Machine Learning

Applications of Machine Learning, Supervised vs Unsupervised Learning, Python libraries suitable for Machine Learning, Linear Regression, Non-linear Regression, Model evaluation methods.

Module 2 – Classification

K-Nearest Neighbour, Decision Trees, Logistic Regression, Support Vector Machines, Model Evaluation.

Module 3 - Unsupervised Learning

K-Means Clustering, Hierarchical Clustering, Density-Based Clustering, Content-based recommender systems, Collaborative Filtering.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- differentiate the basics of supervised and semi supervised learning methods.
- retrieve the unsupervised and reinforcement learning methods involved in artificial learning.
- interpret the concept of artificial neural networks and their control applications.

TEXT BOOKS

1. EthemAlpaydin, Introduction to Machine Learning, The MIT Press, Cambridge, London.2014.

REFERENCES

1. Simon Haykin, Neural Networks ,A comprehensive foundation, Prentice Hall, 3rd Edition, 2004.



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

DEPARTMENT OF CYBER SECURITY

DATE:23.07.2021

CIRCULAR

It is planned to conduct Five Days Value Added Course on "MACHINE LEARNING WITH PYTHON" for Third semester students from 02.08.21 to 06.08.21. The interested students are asked to enroll their names to the course coordinator R. Loganathan, AP/CYSon or before 02.08.21.

Course Coordinators: R. LOGANATHAN, AP/CYS

HOD/CYS

Copy to:

Notice board



PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/III

Name of the Course: 20CYVC301- Machine Learning with Python

S. No	Register Number	Student Name	2.08.21	3.08.21	4.08.21	5.08.21	6.08.21
1	20111001	ABILASH.M	/	a	/	/	/
2	20111002	ADHITHYA G KRISHNA	/	/	/	/	/
3	20111003	ADHITHYA.T	/	/	/	/	/
4	20111005	AKCHAYA.B	a	a	/	a	/
5	20111006	ANISTO MEJIN.A	/	/	/	/	/
6	20111008	BARATHINIKESHAN.S	/	/	/	/	/
7	20111009	BEN GARRY	/	a	/	/	/
8	20111010	BHARATH KUMAR.G	/	/	/	/	/
9	20111011	DHARNESH.L	/	/	/	/	/
10	20111012	DHARSHINI.S.R	a	/	/	/	/
11	20111013	DHINESH.M	/	/	/	/	/
12	20111014	GOPIKRISHNAN.S	/	/	/	/	/
13	20111015	HARIDHARAN.A	/	/	/	/	/
14	20111016	HARIHARAN.R	/	/	/	/	/
15	20111017	HARIHARAN.S.B	/	/	/	a	/
16	20111018	HARIHARAN.S.B	a	/	/	/	/
17	20111020	HARISH JAYARAJ.B	/	/	/	/	/
18	20111021	JEYASENAADHI.J	/	/	/	/	/
19	20111022	KABILAN.S	/	/	/	/	/
20	20111023	KAPILSURYA.R	/	/	/	/	/
21	20111024	KAVIYARAJ.S.S	/	/	/	/	a
22	20111025	KAVIYARASU.G	/	/	a	/	/
23	20111026	KIRUTHIKA.Y	/	/	/	/	/
24	20111027	KOWSHIK.E	/	/	/	/	/
25	20111028	KUBENDIRAN.E	/	/	/	/	/
26	20111029	MANIKANDAN.N	/	/	/	/	a
27	20111030	MANOJ.K	/	/	/	/	/
28	20111031	MOHAMMED AZARUDEEN.N	/	/	/	/	/
29	20111032	MOHANRAJ.M	/	/	/	/	/
30	20111033	MONISHKANNA.R	/	/	/	/	/
31	20111034	MUKESH.M	/	/	a	/	/
32	20111035	PARAMANANTHAN.N	/	/	/	a	/
33	20111036	PRABHAKARAN.S	/	/	/	/	/
34	20111037	PRAVEENA.S	/	/	/	/	/
35	20111038	PRAVEENRAJ.E	/	/	/	/	/

36	20111039	RAHUL.P	/	/	/	/	/
37	20111040	RAVINDHAR.V	/	/	/	/	/
38	20111041	RITHICK.S	/	/	/	/	/
39	20111042	SANJAYKUMAR.B	/	/	/	/	a
40	20111043	SANJAY KUMAR.S	/	/	a	/	/
41	20111044	SANJAY.V	/	/	/	/	/
42	20111046	SARAVANA KUMAR.U	/	/	/	/	/
43	20111047	SATHEES KUMAR.M	/	a	/	/	/
44	20111048	SATHISH.B	/	/	/	/	/
45	20111049	SELVARASU.S	/	/	/	/	/
46	20111050	SHAJAN.M	/	/	/	/	/
47	20111051	SHANMUGAM.V	/	/	/	/	/
48	20111052	SIVARAMAKRISHNAN.D	/	/	/	/	/
49	20111053	SOWMYA.V.M	/	/	/	/	/
50	20111054	SREETHER.R	/	/	/	/	/
51	20111055	SUCHIMITHA.D	a	/	/	/	/
52	20111056	SUDHARSAN.K	/	/	/	/	/
53	20111057	SURESH.S	/	/	/	/	/
54	20111058	SURYAPRAKASH.S	/	/	/	a	/
55	20111059	THIRUPATHI.R	/	/	/	/	/
56	20111060	VENKATESWARAN.G	/	/	/	/	/
57	20111061	VIGNESH.K	/	/	/	/	/
58	20111062	YASHIKA.C	/	/	/	/	/
59	20111063	YOGARISHA.M	/	/	/	/	/
60	20111301	MOHAMMED SIDDIQ. R	/	/	/	/	a
61	20111302	SARAN KUMAR.R	a	a	a	a	a


Course Coordinator



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Cyber Security

CERTIFICATE

This is to certify that

KABILAN S

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added
Course "MACHINE LEARNING WITH PYTHON". The duration of the course is 30 hours
(02.02.2022 to 06.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Cyber Security

CERTIFICATE

This is to certify that

MANOJ K

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added

Course "MACHINE LEARNING WITH PYTHON". The duration of the course is 30 hours

(02.02.2022 to 06.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Cyber Security

CERTIFICATE

This is to certify that

RITHICK S

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added

Course "MACHINE LEARNING WITH PYTHON". The duration of the course is 30 hours

(02.02.2022 to 06.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Cyber Security

CERTIFICATE

This is to certify that

YASHIKA C

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added

Course "MACHINE LEARNING WITH PYTHON". The duration of the course is 30 hours

(02.02.2022 to 06.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Cyber Security

CERTIFICATE

This is to certify that

VIGNESH K

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added

Course "MACHINE LEARNING WITH PYTHON". The duration of the course is 30 hours

(02.02.2022 to 06.02.2022)

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

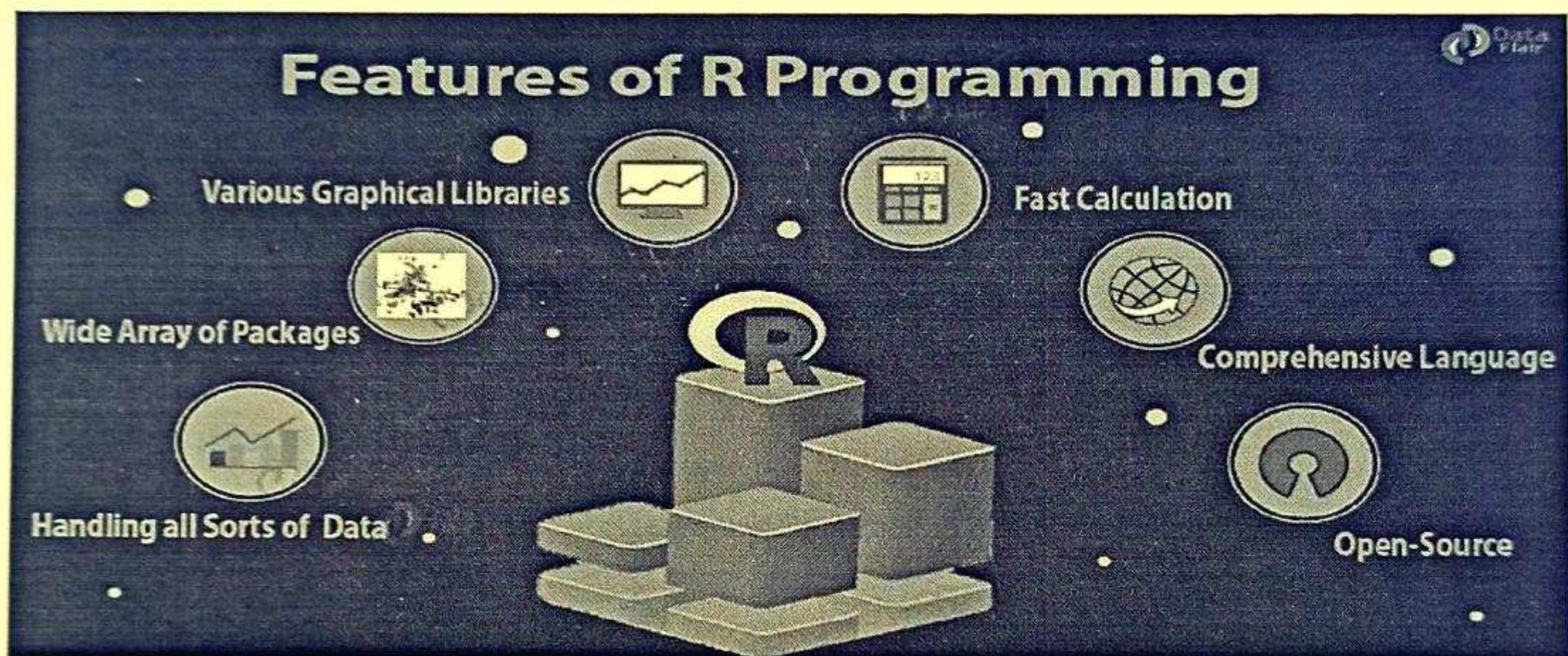
Value Added Course

ON

20CYVC401 - DATA ANALYTICS WITH R

ABOUT THE COURSE:

R analytics is data analytics using R programming language, an open-source language used for statistical computing or graphics. This programming language is often used in statistical analysis and data mining. It can be used for analytics to identify patterns and build practical models.



INTENDED AUDIENCE:

- II Year of B.E, B. Tech – Students
- Students able to apply a variety of techniques to solve problems in areas such as Data Analytics and R.

Date: 21.02.22 to 25.02.22

Venue: Class Room No 319

Course Coordinator:

R. Loganathan, AP/ CYS

PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

Data Analytics with R

20CYVC401

COURSE OBJECTIVES

To enable the students to

- understand about basic concept data Analytics
- integrate R in a Hadoop platform
- write R codes to manipulate data

Module 1 - Introduction to Data Analysis

Overview of Data Analytics, Need of Data Analytics, Nature of Data, Classification of Data: Structured, Semi-Structured, Unstructured, Characteristics of Data, Applications of Data Analytics.

Module 2 - R Programming Basics

Overview of R programming, Environment setup with R Studio, R Commands, Variables and Data Types, Control Structures, Array, Matrix, Vectors, Factors, Functions, R packages.

Module 3 - Data Visualization using R

Reading and getting data into R (External Data): Using CSV files, XML files, Web Data, JSON files, Databases, Excel files. Working with R Charts and Graphs: Histograms, Boxplots, Bar Charts, Line Graphs, Scatterplots, Pie Charts.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- analyze basic concept data Analytics
- demonstrate R in a Hadoop platform
- implement R codes to manipulate data

TEXT BOOKS

1. R for data science: Import, Tidy, Transform, Visualize, And Model Data Paperback – 20 January 2017.

REFERENCES

1. The Art of R Programming: A Tour of Statistical Software Design Paperback – 11 October 2011



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

DEPARTMENT OF CYBER SECURITY

DATE:24.01.2022

CIRCULAR

It is planned to conduct Five Days Value Added Course on "DATA ANALYTICS WITH R" for Fourth semester students from 21.02.22 to 25.02.22. The interested students are asked to enroll their names to the course coordinator R. Loganathan, AP/CYS on or before 21.02.22.

Course Coordinators: R. LOGANATHAN, AP/CYS

HOD/CYS

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF CYBER SECURITY

Academic Year: 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/Semester : II/IV

Name of the Course: 20CYVC401- Data Analytics with R

S. No	Register Number	Student Name	21.02.22	22.02.22	23.02.22	24.02.22	25.02.22
1	20111001	ABILASH.M	/	/	a	/	/
2	20111002	ADHITHYA G KRISHNA	/	/	/	/	/
3	20111003	ADHITHYA.T	/	/	/	/	/
4	20111005	AKCHAYA.B	/	/	/	a	/
5	20111006	ANISTO MEJIN.A	/	/	/	/	/
6	20111008	BARATHINIKESHAN.S	/	/	/	/	/
7	20111009	BEN GARRY	/	a	/	/	/
8	20111010	BHARATH KUMAR.G	/	/	/	/	/
9	20111011	DHARNESH.L	/	/	/	/	/
10	20111012	DHARSHINI.S.R	/	/	/	/	/
11	20111013	DHINESH.M	/	/	/	/	/
12	20111014	GOPIKRISHNAN.S	/	/	/	/	/
13	20111015	HARIDHARAN.A	/	a	/	/	/
14	20111016	HARIHARAN.R	/	/	/	/	/
15	20111017	HARIHARAN.S.B	/	/	/	/	/
16	20111018	HARIHARAN.S.B	/	/	/	/	/
17	20111020	HARISH JAYARAJ.B	/	/	a	/	/
18	20111021	JEYASENAADHI.J	/	/	/	/	/
19	20111022	KABILAN.S	/	/	/	/	/
20	20111023	KAPILSURYA.R	/	/	/	/	/
21	20111024	KAVIYARAJ.S.S	/	/	/	/	/
22	20111025	KAVIYARASU.G	a	/	/	/	/
23	20111026	KIRUTHIKA.Y	/	/	/	/	/
24	20111027	KOWSHIK.E	/	/	/	/	/
25	20111028	KUBENDIRAN.E	/	/	/	/	/
26	20111029	MANIKANDAN.N	/	/	/	/	/
27	20111030	MANOJ.K	/	/	/	/	/
28	20111031	MOHAMMED AZARUDEEN.N	/	/	a	/	/
29	20111032	MOHANRAJ.M	/	/	/	/	/
30	20111033	MONISHKANNA.R	a	/	/	/	/
31	20111034	MUKESH.M	/	a	/	/	/
32	20111035	PARAMANANTHAN.N	/	/	/	a	/

33	20111036	PRABHAKARAN.S	/	/	/	/	/
34	20111037	PRAVEENA.S	/	/	/	/	/
35	20111038	PRAVEENRAJ.E	/	/	/	/	/
36	20111039	RAHUL.P	/	/	/	/	/
37	20111040	RAVINDHAR.V	/	/	/	/	/
38	20111041	RITHICK.S	/	/	/	/	/
39	20111042	SANJAYKUMAR.B	/	a	/	/	/
40	20111043	SANJAY KUMAR.S	/	/	/	/	/
41	20111044	SANJAY.V	/	/	/	/	/
42	20111046	SARAVANA KUMAR.U	/	/	/	/	/
43	20111047	SATHEES KUMAR.M	a	a	a	a	a
44	20111048	SATHISH.B	/	/	/	/	/
45	20111049	SELVARASU.S	/	/	/	a	/
46	20111050	SHAJAN.M	/	/	/	/	/
47	20111051	SHANMUGAM.V	/	/	/	/	/
48	20111052	SIVARAMAKRISHNAN.D	/	/	/	/	/
49	20111053	SOWMYA.V.M	/	/	/	/	/
50	20111054	SREETHER.R	/	/	/	/	/
51	20111055	SUCHIMITHA.D	a	a	a	a	a
52	20111056	SUDHARSAN.K	/	/	/	/	/
53	20111057	SURESH.S	/	/	/	/	/
54	20111058	SURYAPRAKASH.S	/	/	/	/	/
55	20111059	THIRUPATHI.R	/	/	/	/	/
56	20111060	VENKATESWARAN.G	/	/	/	/	/
57	20111061	VIGNESH.K	/	/	/	/	a
58	20111062	YASHIKA.C	/	/	/	/	/
59	20111063	YOGARISHA.M	/	/	/	/	/
60	20111301	MOHAMMED SIDDIQ. R	/	/	/	/	/
61	20111302	SARAN KUMAR.R	/	a	/	/	/


Course Coordinator



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Cyber Security

CERTIFICATE

This is to certify that

DHINESH M

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added
Course "DATA ANALYTICS WITH R". The duration of the course is 30 hours
(21.02.2022 to 25.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Cyber Security

CERTIFICATE

This is to certify that

KIRUTHIKA Y

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added

Course "DATA ANALYTICS WITH R". The duration of the course is 30 hours

(21.02.2022 to 25.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

Department of Cyber Security

CERTIFICATE

This is to certify that

RAHUL P

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added
Course "DATA ANALYTICS WITH R". The duration of the course is 30 hours
(21.02.2022 to 25.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Cyber Security

CERTIFICATE

This is to certify that

SATHISH B

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added
Course "DATA ANALYTICS WITH R". The duration of the course is 30 hours
(21.02.2022 to 25.02.2022)

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Cyber Security

CERTIFICATE

This is to certify that

SURESH S

of Paavai Engineering College, studying in Second Year has successfully completed the Value-added Course "DATA ANALYTICS WITH R". The duration of the course is 30 hours

(21.02.2022 to 25.02.2022)

Course Coordinator

HOD

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

MOLECULAR MODELING AND DRUG DESIGN

on August 2nd to August 6th 2021 @ 10.00 am.

Venue: T207

Mr. M. Ponmanian
Course Coordinator

Dr. R. Praveen Kumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all

COURSE OBJECTIVES

To enable the students to gain knowledge on

- the principles of ligand properties and prerequisites of computer aided ligand design.
- in-silico approaches and tools for drug design
- execute effectively and analyze results of in-silico experiments for research in drug development.

UNIT I INTRODUCTION TO THE DRUG DISCOVERY 10

Definition of Drug Discovery, Stages of drug discovery, Strategic Issues in drug discovery and Development, Chemistry, Ligand sources – Natural, (Plants, Animals, Microorganisms), synthetic and semi-synthetics.

UNIT II COMPUTER SIMULATION METHODS 10

Calculation of thermodynamic properties-Phase space-Practical aspects of computer simulation-Boundaries monitoring Equilibrium-Long range process-Analyzing results of simulation and estimating errors; molecular dynamics simulation methods.

UNIT III MOLECULAR MODELLING METHODS 10

Molecular modelling in drug discovery-Deriving and using 3D Pharma cores-Molecular docking – Structure Based methods to identify lead components-Denovo ligand design.

TOTAL PERIODS 30

COURSE OUTCOMES

At the end this course, students will be able to

- perform various in silico experiments
- study the stereochemical aspects of various drug interactions.
- acquire skills in molecular modelling and designing

TEXT BOOKS

1. A.R.Leach, "Molecular Modelling Principles and Applications ", Longman, 1996.

REFERENCES

1. Andrew R. Leach, "Molecular Modelling- Principles and application", Prentice Hall, 11 edition, 1996.



**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: 12.07.2021

CIRCULAR

It is planned to conduct Five Days value added Course on "MOLECULAR MODELLING AND DRUG DESIGN" for Third semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their name to the course coordinator Mr. M. Ponmanian/Pharma on or before 29.07.2021

Course Co-ordinator: 1. Mr. M. Ponmanian/Pharma


HOD/PHARMA

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : II / III

Name of the Course : PT21VC301 – MOLECULAR MODELLING AND DRUG DESIGN

S.No	STUDENT NAME	02.08.21	03.08.21	04.08.21	05.08.21	06.08.21
1.	AARTHI.J.L	/	/	/	/	/
2.	AKASH.R	/	/	/	/	/
3.	BALAMURUGAN.M	/	/	/	/	/
4.	BARATHRAM.R	/	/	/	/	/
5.	CHANDRU.S	/	/	/	/	/
6.	DHARANIM	/	/	/	/	/
7.	DHARSHINI.D	/	/	/	/	/
8.	DHARSHINI.S	/	/	/	/	/
9.	GAJENDHIRAN.K	/	/	/	/	/
10.	GANESHPRABHA.M	/	/	/	/	/
11.	GAYATHRI.A	/	/	/	/	/
12.	GOKULA KANNAN.K	/	/	/	/	/
13.	GOKULKANNAN.C	/	/	/	/	/
14.	GURUPRASANNA.S	/	/	/	/	/
15.	HARISH.S	/	/	/	/	/
16.	HEMAPRIYADHARSHINI.P	ab	ab	ab	ab	ab
17.	INDHUMATHI.K	/	/	/	/	/
18.	INDHUMATHI.N	ab	ab	ab	ab	ab
19.	JANSIRANI.V	/	/	/	/	/
20.	JOSWA.A	/	/	/	/	/
21.	KALAISELVAN.P.S	/	/	/	/	/
22.	KARISHMA.B	/	/	/	/	/
23.	KEERTHANA .G	/	/	/	/	/
24.	KIRUBA.V	/	/	/	/	/
25.	KIRUTHIKA.K	/	/	/	/	/
26.	KUMARAN.S	/	/	/	/	/
27.	KUMARASEN.D	/	/	/	/	/
28.	LOGANATHAN.P	/	/	/	/	/

29.	MAHADEVI.D	ab	ab	ab	ab	ab
30.	MANIKANDAN.A.K	/	/	/	/	/
31.	MENAGA.C	/	/	/	/	/
32.	PONSUMANRAJ.S	/	/	/	/	/
33.	PREETHI.S	ab	ab	ab	ab	ab
34.	PREMKUMAR.R	/	/	/	/	/
35.	PRIYADHARSHINI.K	/	/	/	/	/
36.	SANGEETHA.G	/	/	/	/	/
37.	SANJAY .C	/	/	/	/	/
38.	SANTHIYA.R	/	/	/	/	/
39.	SANTHOSH.S	/	/	/	/	/
40.	SILAMBARASAN.P	/	/	/	/	/
41.	SOWMYA.R	/	/	/	/	/
42.	SRIKANTH.N	/	/	/	/	/
43.	SRIMATHI.T	/	/	/	/	/
44.	SUMA.R	/	/	/	/	/
45.	SURENDAR.A	ab	ab	ab	ab	ab
46.	THIRUMALAI.A	/	/	/	/	/
47.	THULASIMANI.D	/	/	/	/	/
48.	VAISHNAVI.B	/	/	/	/	/
49.	VENKATESH.V	/	/	/	/	/
50.	VIGNESHWARAN.S	/	/	/	/	/
51.	VIJAYAKUMAR.V	/	/	/	/	/

M. Perumani
Course Coordinator

A. L. S.
HoD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

AKASH R

of Paavai Engineering College, studying in **Second Year** has successfully completed
the **Molecular Modelling and Drug Design** course from **02/08/2021** to **06/08/2021**.

Course Coordinator

HOD

Principal



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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

BARATHRAM R

of Paavai Engineering College, studying in **Second Year** has successfully completed
the **Molecular Modelling and Drug Design** course from **02/08/2021** to **06/08/2021**.

Course Coordinator

HOD

Principal



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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

HARISH S

of Paavai Engineering College, studying in **Second Year** has successfully completed
the **Molecular Modelling and Drug Design** course from **02/08/2021** to **06/08/2021**.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

KIRUBA V

of Paavai Engineering College, studying in **Second Year** has successfully completed
the **Molecular Modelling and Drug Design** course from **02/08/2021** to **06/08/2021**.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

VAISHNAVI B

of Paavai Engineering College, studying in **Second Year** has successfully completed
the **Molecular Modelling and Drug Design** course from **02/08/2021** to **06/08/2021**.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CORDIALLY INVITE YOU TO THE VALUE-ADDED COURSE ON

PRINCIPLES OF BIOENGINEERING

on August 2nd to August 6th 2021 @ 10.00 am.

Venue: T307

Ms. J. Anula jomi
Course Coordinator

Dr. R. Praveen Kumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all

COURSE OBJECTIVES

To enable the students to gain knowledge on

- Basic concepts in scaling in biology
- Microfabrication techniques
- tissue microengineering and its industrial application.

UNIT I SCALING IN BIOLOGY**10**

basic review of the various sizes, time, and energy scales found in biological systems from organisms to atoms Microfabrication techniques: extensive review of the fundamentals of microfabrication technology: photolithography, electron beam lithography, micromachining, micromolding, and soft lithography.

UNIT II MICROPATTERNING NON-CONVENTIONAL MATERIALS**10**

Review of self-assembled monolayers, chemical grafting of biomolecules and thin polymeric layers; approaches to patterning those materials as well as cells'

UNIT III TISSUE MICROENGINEERING AND APPLICATIONS**10**

Introduction to biomimetic substrates, micro scaffolds, cellular co-cultures Microfabrication techniques that enable the control of cell-substrate, cell-cell, and cell-medium interactions, Introduction to enzymatic assays, DNA microarrays, optical detection methods amenable to miniaturization.

TOTAL PERIODS 30**COURSE OUTCOMES**

At the end this course, students will be able to

- get acquainted with lithography techniques
- acquire knowledge on chemical grafting of biomolecules
- understand the microfabrication technology and its application in drug development

TEXT BOOKS

1. Robert P. Lanza, Robert Langer Joseph, Vacanti, "Principles of Tissue Engineering" Second Edition.

REFERENCES

1. Steven S. Saliterman, Fundamentals of BioMEMS and Medical Microdevices.



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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

DATE: 12.07.2021

CIRCULAR

It is planned to conduct Five Days value added Course on "PRINCIPLES OF BIOENGINEERING" for Fifth semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their name to the course coordinator Ms. J. Anula Jomi/Pharma on or before 29.07.2021

Course Co-ordinator:1. Ms. J. Anula Jomi/Pharma


HOD/PHARMA

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PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : III / V

Name of the Course : PT21VC501 – PRICIPLES OF BIOENGINEERING

S.No	STUDENT NAME	02.08.21	03.08.21	04.08.21	05.08.21	06.08.21
1.	ABIRAMI.N	/	/	/	/	/
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	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	/	/	/	/	/
19.	MANJU.A	AB	AB	AB	AB	AB
20.	MAYILSAMY.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.	SANGAVI.S	/	/	/	/	/
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	AB	AB	AB	AB	AB
43.	SWATHI.S	/	/	/	/	/
44.	THARUNRAJA.B	/	/	/	/	/
45.	VIJAY ANAND.D	/	/	/	/	/
46.	VIKRAMAN.M	/	/	/	/	/
47.	VISHNU.N	/	/	/	/	/


Course Coordinator


HoD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

GOKUL K

of Paavai Engineering College, studying in **Third Year** has successfully completed the
Principles of Bioengineering course from **02/08/2021** to **06/08/2021**.

S. Anulajani

Course Coordinator

A. L. C.

HOD

P. R.

Principal



PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

HASRATH S P

of Paavai Engineering College, studying in **Third Year** has successfully completed the
Principles of Bioengineering course from **02/08/2021** to **06/08/2021**.

S. Anulajoni

Course Coordinator

A. V. C.

HOD

P. R.

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 **Third Year** has successfully completed the
Principles of Bioengineering course from **02/08/2021 to 06/08/2021**.

S. Anubhavi

Course Coordinator

[Signature]

HOD

[Signature]

Principal



PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

SURESH V

of Paavai Engineering College, studying in **Third Year** has successfully completed the
Principles of Bioengineering course from **02/08/2021** to **06/08/2021**.

S. Anulajani

Course Coordinator

A. V. C.

HOD

P. S.

Principal



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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

VIKRAMAN M

of Paavai Engineering College, studying in **Third Year** has successfully completed the
Principles of Bioengineering course from **02/08/2021** to **06/08/2021**.

S. Anulajani

Course Coordinator

A. V. S.

HOD

P. S.

Principal



PAAVAI ENGINEERING COLLEGE

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Namakkal-637018

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CORDIALLY INVITE YOU TO THE VALUE-ADDED COURSE ON

CLINICAL RESEARCH

on August 2nd to August 6th 2021 @ 10.00 am.

Venue: T307

Ms. S. Pragathi
Course Coordinator

Dr. R. Praveen Cumar
Head of the Department

Dr. M. PremKumar
Principal

All Department Faculty Members & Students

Invite you one and all

COURSE OBJECTIVES

To enable the students to gain knowledge on

- designs of clinical trials
- requirements for conducting clinical trials
- manage and report clinical trials

UNIT I DRUG DEVELOPMENT MODULE 10

Drug development overview, Phases of clinical research, pre-clinical (non-clinical) development, Discovery and selection of compounds, Toxicology, Pharmacology Clinical Development programmes; Basics of clinical research statistics.

UNIT II ADVANCED CLINICAL RESEARCH MODULE 10

Project Management; How to develop a proactive approach to supporting clinical trials Building a successful working relationship with your manager(s) and the rest of the clinical research team; Team effectiveness: working as an effective clinical research team. Legal aspects of clinical research

UNIT III REGULATORY AFFAIRS AND SAFETY MODULE 10

Regulatory requirements for international clinical research - Regulatory requirements for biotechnology products, medical devices, and veterinary products; Safety reporting; Responding to drug safety alerts Postmarketing surveillance.

TOTAL PERIODS 30

COURSE OUTCOMES

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

- understand the types of clinical trial designs
- Safety monitor and report during clinical trials studies
- prepare clinical study reports

TEXT BOOKS

1. Matoren, Gary M. "The Clinical Research Process in the Pharmaceutical Industry", Marcel Dekker, 1984.

REFERENCES

1. Gad, Shayne C. "Drug Safety Evaluation", John – Wiley & Sons, 2002.



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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

DATE: 12.07.2021

CIRCULAR

It is planned to conduct Five Days value added Course on "CLINICAL RESEARCH" for Seventh semester students from 02.08.2021 to 06.08.2021. The interested students are asked to enroll their name to the course coordinator Ms. S. Pragathi/Pharma on or before 29.07.2021

Course Co-ordinator: 1. Ms. S. Pragathi/Pharma

HOD/PHARMA

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Semester : VI / VII

Name of the Course : PT21VC701 – CLINICAL RESEARCH

S.No	STUDENT NAME	02.08.21	03.08.21	04.08.21	05.08.21	06.08.21
1.	AJEETHA. K	/	/	/	/	/
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	AB	AB	AB	AB	AB
13.	PAVITHRA. G	/	/	/	/	/
14.	PRABHAVATHI. K	/	/	/	/	/
15.	PRAVEEN KUMAR. M	/	/	/	/	/
16.	PUGALZHENDI. V	/	/	/	/	/
17.	QUEEN SANTHOSHINI. C	/	/	/	/	/
18.	RAMKUMAR. R	AB	AB	AB	AB	AB
19.	SANDHIYA. A	/	/	/	/	/
20.	SANGATH SARAN. L. K	AB	AB	AB	AB	AB
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	/	/	/	/	/
29.	YUVARAJ. S	/	/	/	/	/

S. Pragathi
Course Coordinator

S. L. L.
HoD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

GOKULRAJ.R

of Paavai Engineering College, studying in **Final Year** has successfully completed the
Clinical Research course from **02/08/2021** to **06/08/2021**.

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

ANANTHI.C

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

Clinical Research course from **02/08/2021 to 06/08/2021**.

S. Pragathi

Course Coordinator

A. V. C.

HOD

P. R.

Principal



PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

SNEHA. M

of Paavai Engineering College, studying in Final Year has successfully completed the
Clinical Research course from 02/08/2021 to 06/08/2021.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

SRINIVASAN. R

of Paavai Engineering College, studying in **Final Year** has successfully completed the
Clinical Research course from **02/08/2021** to **06/08/2021**.

Course Coordinator

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

CERTIFICATE

This is to certify

YUVARAJ. S

of Paavai Engineering College, studying in Final Year has successfully completed the
Clinical Research course from 02/08/2021 to 06/08/2021.

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE

GENDER AND SOCIETY

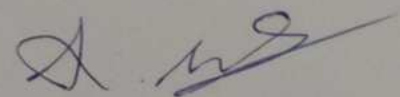


Date: 16.08.2021 to 21.08.2021

Venue: classroom

COURSE INCHARGE

1. J. ISHWARIA, PROFESSOR/MBA



HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL (Po) Namakkal - 637

GENDER AND SOCIETY

COURSE OBJECTIVES:

- To enable the students to introspect on the gendered experiences across the spectrum of daily life and understand power relations through gender lens
- To provide conceptual understanding of gender disparities and gender inequality in society
- To capacitate the students to explore the possibilities to alter the genderscape.
- design quantitative and qualitative studies with appropriate methodology
- prepare scientific research reports

Unit 1: Introduction

- Sex and Gender; Types of Gender
- Gender Roles, Private vs Public Dichotomy
- Patriarchy and Gender Relations

Unit II: Gender and Family

- Gender Division of Labour and Gender Hierarchy
- Gender Role Socialization
- Gender Dynamics in Patriarchal and Matrilineal Families

Unit III: Gender and Education

- Gender Disparity in Education
- Gender Bias and Gender Stereotyping in Curriculum
- Promoting Gender Equality through Education

Unit IV: Gender and Economy

- Segmented Labour Market and Occupational Segregation
- Gender Issues in Informal Sector
- Gender Stereotyping and Gender Discrimination at the Work Place

Unit V: Gender and Polity

- Political Participation of Women in India
- 73rd and 74th Constitutional Amendment
- Politics of Reservation Bill for Women



**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 MASTER OF BUSINESS ADMINISTRATION

DATE: 10.08.2021

CIRCULAR

It is planned to conduct Five Days Training Course on "**GENDER AND SOCIETY**" for Third semester students from 16.08.2021 to 21.08.2021 date. The interested students are asked to enroll their name to the course coordinator

J. ISHWARIA, PROFESSOR/MBA on or 14.08.2021. (Spot registration can also be permitted).

Course Co-ordinators: 1. **J. ISHWARIA, PROFESSOR/MBA**

HOD/MBA

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**HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL (Po) Namakkal - 637**

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

ACADAMIC YEAR 2021-2022

VALUE ADDED COURSE

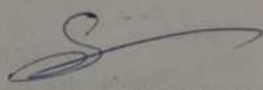
ATTENDANCE SHEET

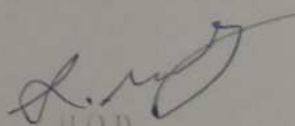
Year/ Semester: II/III

Name of the course: 21BAVC301 GENDER AND SOCIETY

S.NO	REG.No	Student Name	16.08.21	17.08.21	18.07.21	20.08.21	21.08.21
1	622121501001	AADIL ALI.S	/	/	/	/	/
2	622121501002	ABINESHKUMAR.K	/	/	/	/	/
3	622121501003	ACHARYA KARTHIK RAJESH	/	/	/	/	/
4	622121501004	AMSA.T	/	/	/	/	/
5	622121501005	BADRINATH.G	/	/	/	/	/
6	622121501006	BARATHKUMAR.K	/	/	/	/	/
7	622121501007	BENITA SHERIN.B	/	/	/	/	/
8	622121501008	CHANDRU VASANTH.V	/	/	/	/	/
9	622121501009	CHARAN BALAJI.A	/	/	/	/	a
10	622121501010	DEEPA.T	/	/	/	/	/
11	622121501011	DHARSINIDEVI.S	/	/	/	/	/
12	622121501012	DIWAKAR.T	/	/	/	/	/
13	622121501013	ELAVARASAN.M	/	/	/	/	/
14	622121501014	GAYATHRI.K	/	/	/	/	/
15	622121501015	GEETHANJALI.V	/	/	/	/	/
16	622121501016	GOKUL RAJ.P	/	/	/	/	/
17	622121501017	HARIHARAN.S	/	/	/	/	/
18	622121501018	HARSHAPRIYA.R	/	/	/	/	/
19	622121501019	INDHUMATHI.T	/	/	/	/	/
20	622121501020	JAYASURIYA.J	/	/	/	/	/
21	622121501021	JEEVIKA.S	/	/	/	/	/
22	622121501022	KARAN.G	/	/	/	/	/
23	622121501024	KAYALVIZHI.P	/	/	/	/	/
24	622121501025	MAJITHA.M	/	/	/	/	/

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	a	a	a	a	a
12	20501019	MAYILSAMY 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	/	/	/	/	/
19	20501030	PRASSANNA.S	/	/	/	/	/
20	20501033	RAJKUMAR A	/	/	/	/	/
21	20501035	SALMA SUBETHA N	a	a	a	a	a
22	20501038	SAVITHA K	/	/	/	/	/
23	20501040	SRINATH.G	/	/	/	/	/
24	20501041	SUDHARSHINI S	/	/	/	/	/
25	20501043	VELLAIYAMMAL R	/	/	/	/	/
26	20501045	VIJAY T	/	/	/	/	/


COURSE INCHARGE


H.O.D
HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL (PO) Namakkal - 637

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE

MODERN BUSINESS ACTIVITIES



Date: 6.07.21to 21.07.21

Venue: classroom

COURSE INCHARGE

1. **J.ISWARYA, PROFESSOR/MBA**

S. M. S.
HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAI (PO) Namakkal - 637

MODERN BUSINESS ACTIVITIES

COURSE OBJECTIVES:

- Learn the conceptual understanding about filling of returns and e-filing
- Acquire knowledge about Income Tax and filling of different tax Returns, TDS
- Understand GST and its mechanism, different GST Returns and due dates of filing the returns

Unit I: Conceptual Framework

Meaning of e-filing – Features of e-filing- Difference between e-filing and regular filing - Benefits and Limitations of e-filing – Types of e-filing

Unit II: Income Tax and E-filing

Introduction to Income Tax – Basic terminology – Types of Assesses – Income Taxable under different Heads – Basics of Computation of Total Income and Tax Liability – Deductions available from Gross Total Income – PAN – Introduction to Income Tax Portal

Unit III: Income Tax and e-filing of ITRs

Income Tax e-filing registration – Registration Process – Individuals – Other than Individuals- Meaning of Income Tax Returns (ITRs) -Types of ITRs- - Who should file which ITR: ITR-1; ITR-2; ITR-3; ITR-4; ITR-5; ITR-6 - Due date for filing of Income Tax Returns

Unit IV: TDS and E-filing of TDS Returns

Introduction to the concept of TDS – Provisions regarding Returns of TDS – Types of Forms for filing TDS Returns

Unit V: E-filing of GST Returns

Introduction to GST – GSTN Portal – Input-Tax Credit – e-way bills- Benefits of GST – Online GST Registration- Types of GST Returns – Monthly, Quarterly Annual and Final. - Input Tax Credit-Invoices, Credit/Debit Notes - Payment of Tax - Types of e-filing Due Date for filing of GSTRs

TOTAL PERIODS: 30

COURSE OUTCOMES:

After successful completion of the course, the students will be able to:

- Understand the e-filing system and its process
- Identify the different heads of income, ITRs and its applicability
- Skilfully understand e-filing registration India Know types of Forms for filing TDS Returns



**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: 10.07.2021

CIRCULAR

It is planned to conduct Five Days Training Course on "**MODERN BUSINESS ACTIVITIES**" for Third semester students from 16.07.2021 to 21.07.2021 date. The interested students are asked to enroll their name to the course coordinator

J. ISHWARIA, PROFESSOR/MBA on or 14.07.2021. (Spot registration can also be permitted).

Course Co-ordinators: 1.**J. ISHWARIA, PROFESSOR/MBA**

HOD/MBA

**HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL (Po) Namakkal - 637**

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

ACADAMIC YEAR 2021-2022

VALUE ADDED COURSE

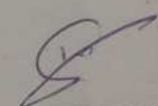
ATTENDANCE SHEET

Year/ Semester: I/II

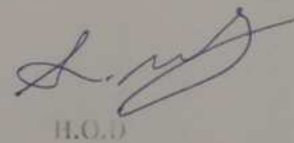
Name of the course: 21BAVC101 MODERN BUSINESS ACTIVITIES

S.NO	REG.No	Student Name	16.07.21	17.07.21	18.07.21	20.07.21	21.07.21
1	622121501001	AADIL ALI.S	\	/	/	/	/
2	622121501002	ABINESHKUMAR.K	/	/	/	/	/
3	622121501003	ACHARYA KARTHIK RAJESH	/	/	/	/	/
4	622121501004	AMSA.T	/	/	/	/	/
5	622121501005	BADRINATH.G	/	/	/	/	/
6	622121501006	BARATHKUMAR.K	/	/	/	/	/
7	622121501007	BENITA SHERIN.B	/	/	/	/	/
8	622121501008	CHANDRU VASANTH.V	/	/	/	/	/
9	622121501009	CHARAN BALAJI.A	/	/	/	/	/
10	622121501010	DEEPA.T	/	/	/	/	/
11	622121501011	DHARSINIDEVI.S	/	/	/	/	/
12	622121501012	DIWAKAR.T	/	/	/	/	/
13	622121501013	ELAVARASAN.M	/	/	/	/	/
14	622121501014	GAYATHRI.K	/	/	/	/	/
15	622121501015	GEETHANJALI.V	/	/	/	/	/
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18	622121501018	HARSHAPRIYA.R	/	/	/	/	/
19	622121501019	INDHUMATHI.T	/	/	/	/	/
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23	622121501024	KAYALVIZHI.P	/	/	/	/	/
24	622121501025	MAJITHA.M	/	/	/	/	/
25	622121501026	MANOJRAJ.R	/	/	/	/	/
26	622121501027	MOULI.J	/	/	/	/	/

3	20501005	DEEPIKA S	/	/	/	/	/
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6	20501009	HELEN PRIYA G	/	/	/	/	/
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8	20501011	INFANTA VINO A	/	/	/	/	/
9	20501012	JEEVITHA S	/	/	/	/	/
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23	20501040	SRINATH G	/	/	/	/	/
24	20501041	SUDHARSHINI S	/	/	/	/	/
25	20501043	VELLAIYAMMAL R	/	/	/	/	/
26	20501045	VIJAY T	/	/	/	/	/



COURSE INCHARGE



H.O.D

HEAD OF THE DEPARTMENT
Management Studies
PARVATI ENGINEERING COLLEGE
K. J. Somaiya (P.O.) Rajkot-360 007



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

ABINASH . R

of paavai engineering college, studying in first year has successfully completed the

Value added course 20BAVC401 – FEMINIST MOVEMENTS . The duration of the course is 30 hours from

10.02.21- 15.02.21

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

DEEPAANA .K

of paavai engineering college, studying in first year has successfully completed the

Value added course **20BAVC401 – FEMINIST MOVEMENTS**. The duration of the course is 30 hours from

10.02.21- 15.02.21

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

MISPA ANITMA . J

of paavai engineering college, studying in first year has successfully completed the

Value added course **20BAVC401 – FEMINIST MOVEMENTS**. The duration of the course is 30 hours from

10.02.21- 15.02.21

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

RAJKUMAR . A

of paavai engineering college, studying in first year has successfully completed the

Value added course **20BAVC401 – FEMINIST MOVEMENTS**. The duration of the course is 30 hours from

10.02.21- 15.02.21

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

SALMA SUBETHA . N

of paavai engineering college, studying in first year has successfully completed the
Value added course **20BAVC401 – FEMINIST MOVEMENTS**. The duration of the course is 30 hours from

10.02.21- 15.02.21

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

AADIL ALI . S

of paavai engineering college, studying in first year has successfully completed the

Value added course **21BAVC101 – MODERN BUSINESS ACTIVITIES** . The duration of the course is 30 hours from

16.07.21 - 21.07.21

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

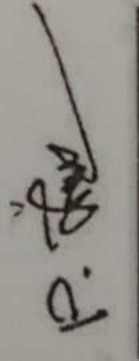
This is to certify that

ABINESH KUMAR . K

of paavai engineering college, studying in first year has successfully completed the

Value added course **21BAVC101 – MODERN BUSINESS ACTIVITIES** . The duration of the course is 30 hours from

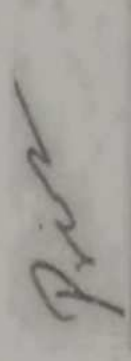
16.07.21 - 21.07.21



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

AMSAT . T

of paavai engineering college, studying in first year has successfully completed the

Value added course **21BAVC101 – MODERN BUSINESS ACTIVITIES** . The duration of the course is 30 hours from

16.07.21 - 21.07.21

P. Jeyaraj

Course Incharge

S. M. J.

HOD

P. Jeyaraj

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

DEEPA . T

of paavai engineering college, studying in first year has successfully completed the

Value added course **21BAVC101 – MODERN BUSINESS ACTIVITIES** . The duration of the course is 30 hours from

16.07.21 - 21.07.21

P. Jeyaraj

Course Incharge

S. Indira

HOD

P. Jeyaraj

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

RAJADURAI . G

of paavai engineering college, studying in first year has successfully completed the

Value added course **21BAVC101 – MODERN BUSINESS ACTIVITIES** . The duration of the course is 30 hours from

16.07.21 - 21.07.21

P. Siva

Course Incharge

S. Siva

HOD

P. Siva

Principal

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE **BUSINESS ETIQUETTE**

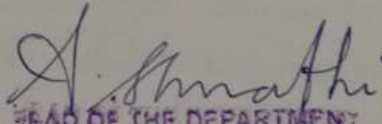


Date: 16.03.2022 to 21.03.2022

Venue: classroom

COURSE INCHARGE

1. V. PRIYANKADEVI , Assistant Professor /MBA

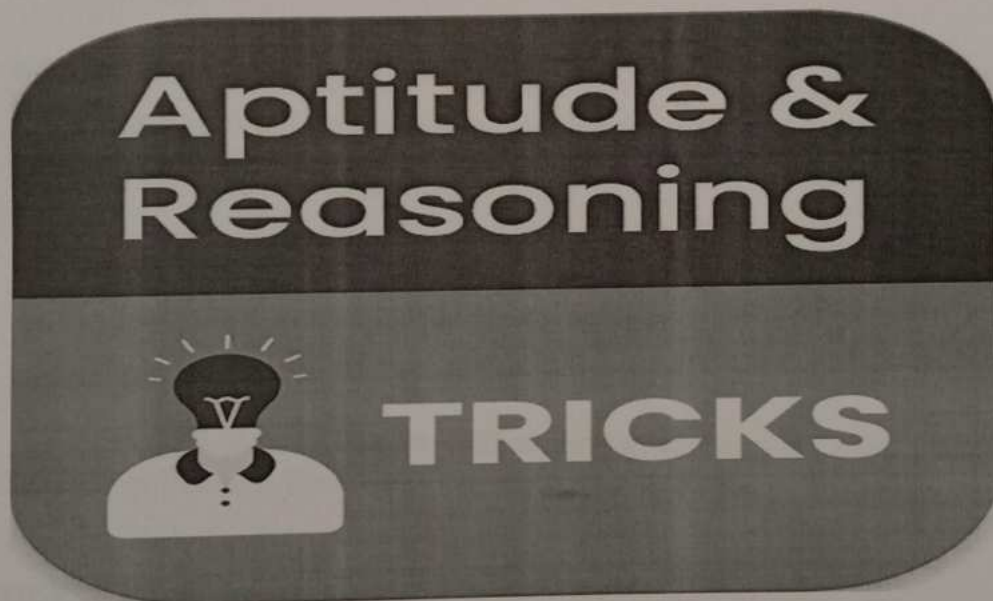

HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
H-7, BACHAL (Po) Namakkal - 637

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE
APTITUDE AND REASONING

Date: 15.03.2022 – 21.03.2022

Venue: classroom



COURSE INCHARGE

2. V. PRIYANKADEVI , Assistant Professor /MBA

A. Sanath
HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
67 PACHAL (Po) Namakkal - 637

21BAVC201

BUSINESS ETIQUETTE

COURSE OBJECTIVES:

- To make students Know different components of social-etiquette - behavior, communication, and appearance
- To Explore the business etiquette of different cultures and countries
- To understand the art of communication and personal style influence

UNIT I

Business Etiquettes- An Overview: Significance of Business Etiquettes in 21st Century Professional Advantage; Need and Importance of Professionalism

UNIT II

Dining Etiquette: Table Manners, Table setting, Entertaining – Business Lunch, Etiquette of a Host/Guest

UNIT III

Workplace Etiquette: Etiquette for Personal Contact- Personal Appearance, Gestures, Postures, Facial Expressions, Eye-contact, Space distancing

UNIT IV

Dressing with Impact: Styles and color choice, Corporate Wardrobe, Clothes coordination, Dressing for presentation, Accessories

UNIT V

Business/Social Etiquette: Office Etiquette, Comfort Zone, Proper introductions, Handshakes, Business Card, Body language, Meeting Manners, Speaking with confidence

TOTAL PERIODS: 30

COURSE OUTCOMES:

After successful completion of the course, the students will be able to:

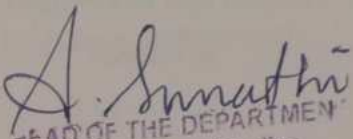
- Apply and utilize the different techniques and strategies learned to improve the skills in oneself and others.
- Build Professional competency by making use of various skills learned.
- Demonstrate professional etiquette and identify important issues in ethics.

TEXT BOOKS:

Sanghi, S. (2007). Towards Personal excellence. New Delhi: Sage Publications Inc.

REFERENCES:

Alicke, M.D., Sedikides, C. (2011). Handbook of self enhancement and self-protection. USA: Guilford Press.


HEAD OF THE DEPARTMENT
Management Studies
PAVAI ENGINEERING COLLEGE
PAGHAI (Poi Namakkal - 637

COURSE OBJECTIVES:

- To develop students' ability in logical, analytical and reasoning skills in problem solving
- To enhance heuristic, systematic, critical and lateral thinking
- Solve campus placements aptitude papers covering Quantitative Ability, Logical Reasoning Ability

UNIT I Arithmetic Ability

Percentage, Problems on Numbers and ages. Number Systems ,LCM and HCF, Decimal Fractions, Simplification, Square Roots and Cube Roots, Problems on Numbers

UNIT II Time Series Analysis

Series Completion Number series, Alphabet series, Profit and Loss ,Simple and Compound Interest Time, Speed and Distance , Time & Work , Ratio and Proportion

UNIT III Analogy

Completing the Analogous pair, Blood Relation, Directional Sense, Number and Letter Series

UNIT IV

Coding- Decoding Letter Coding, Direct Letter Coding

UNIT V

Data Interpretation , Data Interpretation, Tables, Column Graphs, Bar Graphs, Line Charts, Pie Chart, Venn Diagrams Tabulation, Pie chart, Line graph.

Total: 30 hours

REFERENCE BOOKS

- R. S. Aggarwal (2012), Quantitative Aptitude for M.B.A, S.Chand & Company, New Delhi.
- R. S. Aggarwal (2012), A Modern Approach to Verbal & Non-Verbal Reasoning, S.Chand & Company, New Delhi.

A. Smathi
HEAD OF THE DEPARTMENT
Management Studies
PAVAI ENGINEERING COLLEGE
VAT, PACHALIPOLY, Namakkal - 637



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

DATE: 10.02.2022

CIRCULAR

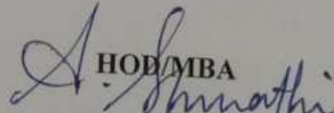
It is planned to conduct Five Days Training Course on "**BUSINESS ETIQUETTE**" for second semester students from 16.03.2022 to 21.03.2022 date. The interested students are asked to enroll their name to the course coordinator

V. PRIYANKADEVI, Assistant Professor /MBA on or 14.02.2022. (Spot registration can also be permitted).

Course Co-ordinators: 1. **V. PRIYANKADEVI, Assistant Proffessor /MBA**

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HOD/MBA
HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
"H.T. PACHAL (Po) Namakkal - 637 018"



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL -637 018

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

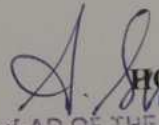
DATE: 10.03.2022

CIRCULAR

It is planned to conduct Five Days Training Course on "**APTITUDE AND REASONING**" for Fourth semester students from 15.03.2022 to 21.03.2022 date. The interested students are asked to enroll their name to the course coordinator

V. PRIYANKADEVI, Assistant Professor on or 14.08.2021. (Spot registration can also be permitted).

Course Co-ordinators: 1. **V. PRIYANKADEVI, Assistant Proffessor**


HOD/MBA
HEAD OF THE DEPARTMENT
Management Studies
PAAVAI ENGINEERING COLLEGE
PACHAL (Po) Namakkal - 637

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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

ACADAMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/ Semester: I/II

Name of the course: 21BAVC201 BUSINESS ETIQUETTE

S.NO	REG.No	Student Name	16.02.22	17.02.22	18.02.22	19.02.22	20.02.22
1	622121501001	AADIL ALI.S	/	/	/	/	/
2	622121501002	ABINESHKUMAR.K	/	/	a	/	/
3	622121501003	ACHARYA KARTHIK RAJESH	/	/	/	/	/
4	622121501004	AMSA.T	/	/	/	/	/
5	622121501005	BADRINATH.G	/	/	/	/	/
6	622121501006	BARATHKUMAR.K	/	/	/	/	/
7	622121501007	BENITA SHERIN.B	/	/	/	/	/
8	622121501008	CHANDRU VASANTH.V	/	/	/	/	/
9	622121501009	CHARAN BALAJI.A	/	/	/	/	/
10	622121501010	DEEPA.T	/	/	/	/	/
11	622121501011	DHARSINIDEVI.S	/	/	/	/	/
12	622121501012	DIWAKAR.T	/	/	/	/	a
13	622121501013	ELAVARASAN.M	/	/	/	/	/
14	622121501014	GAYATHRI.K	/	/	/	/	a
15	622121501015	GEETHANJALI.V	/	/	/	/	a
16	622121501016	GOKUL RAJ.P	/	/	/	/	/
17	622121501017	HARIHARAN.S	/	/	/	/	/
18	622121501018	HARSHAPRIYA.R	/	/	a	/	/
19	622121501019	INDHUMATHI.T	/	/	/	/	/
20	622121501020	JAYASURIYA.J	/	/	/	/	/
21	622121501021	JEEVIKA.S	/	/	/	/	/
22	622121501022	KARAN.G	/	/	/	/	/
23	622121501024	KAYALVIZHI.P	/	/	/	/	/
24	622121501025	MAJITHA.M	/	/	/	/	/
25	622121501026	MANOJRAJ.R	/	/	/	/	/
26	622121501027	MOULIJ	/	/	/	/	/
27	622121501028	NANDHINI.S	/	/	/	/	/

28	622121501029	NISHANTHI.R	/	/	/	/	/
29	622121501030	OVIYAA.M	/	/	/	/	/
30	622121501031	PRABAVATHI.S	/	/	/	/	/
31	622121501032	PRASANTH.S	/	/	/	/	/
32	622121501033	PRASANTH.S	/	/	9	/	/
33	622121501034	PRAVEENA.R	/	/	/	/	/
34	622121501035	PRIYADHARSHINI.B	/	/	/	9	/
35	622121501036	PRIYAVASAN.S	/	/	/	/	/
36	622121501037	RAJADURAI.G	/	/	/	/	/
37	622121501038	RAJAGANESH.V.R	/	/	/	/	/
38	622121501039	RAMESHWARI.K	/	/	/	/	/
39	622121501040	RAMYA.S	/	/	/	/	/
40	622121501041	RAVISANKAR.V.R	/	/	/	/	/
41	622121501042	RENIX ANTONY.J	/	/	/	/	/
42	622121501043	REVATHI.R	/	/	/	/	/
43	622121501044	SAKTHIVEL.A	/	/	/	/	/
44	622121501045	SAMUKTHA.P	/	/	/	/	/
45	622121501046	SANTHOSH KUMAR.P	/	/	/	/	/
46	622121501047	SATHISH.M	/	/	/	/	/
47	622121501048	SATHISH.S	/	/	/	/	/
48	622121501049	SHANKARAN.T	/	/	/	/	/
49	622121501050	SOWMIYA.G.V	/	/	/	/	/
50	622121501051	SOWMUGI.V	/	/	/	/	/
51	622121501052	SUBHIKSHA.N	/	/	/	/	/
52	622121501053	SUDARSAN BABU.S	/	/	/	/	/
53	622121501054	SUDHAKAR.R	/	/	/	/	/
54	622121501055	VALLARASU.R	/	/	/	/	/
55	622121501056	VASUNDRA.P	/	/	/	/	/
56	622121501057	VIGNESHWARAN.P.M.	/	/	/	/	/
57	622121501058	VIVEK.A	/	/	/	/	/
58	622121501059	YOKESH.A	/	/	/	/	/
59	622121501060	YUVITHA.K	/	/	/	/	/
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	MAYILSAMY S	/	/	/	/	/
13	20501020	MEENA M	/	/	/	/	/
14	20501022	MISPA ANITHA J	/	/	/	/	/
15	20501025	NITHYA S	Q	/	/	/	/
16	20501027	PAVITHRA B	/	/	/	a	/
17	20501028	POORNIMA V	/	/	/	/	/
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	/	/	/	/	/

V. Periyaswami
COURSE INCHARGE

S. S. S.
H.O.D

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

ACADAMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

Year/ Semester: II/IV

Name of the course: 21BAVC401 APTITUDE AND REASONING

S.NO	REG.No	Student Name	16.03.22	17.03.22	18.03.22	19.03.22	21.03.22
1	622121501001	AADIL ALI.S	/	/	/	/	/
2	622121501002	ABINESHKUMAR.K	/	/	/	/	/
3	622121501003	ACHARYA KARTHIK RAJESH	/	/	/	/	/
4	622121501004	AMSA.T	/	/	/	/	/
5	622121501005	BADRINATH.G	/	/	/	/	/
6	622121501006	BARATHKUMAR.K	/	/	/	/	/
7	622121501007	BENITA SHERIN.B	/	/	/	/	/
8	622121501008	CHANDRU VASANTH.V	/	/	/	/	/
9	622121501009	CHARAN BALAJI.A	/	A	/	/	/
10	622121501010	DEEPA.T	/	/	/	/	/
11	622121501011	DHARSINIDEVI.S	/	/	A	/	/
12	622121501012	DIWAKAR.T	/	/	/	/	/
13	622121501013	ELAVARASAN.M	/	/	/	/	/
14	622121501014	GAYATHRI.K	A	/	/	/	/
15	622121501015	GEETHANJALI.V	/	/	/	A	/
16	622121501016	GOKUL RAJ.P	/	/	/	/	/
17	622121501017	HARIHARAN.S	/	/	/	/	/
18	622121501018	HARSHAPRIYA.R	/	/	/	/	/
19	622121501019	INDHUMATHI.T	/	/	/	/	/
20	622121501020	JAYASURIYA.J	/	/	/	/	/
21	622121501021	JEEVIKA.S	/	/	/	/	/
22	622121501022	KARAN.G	/	/	/	/	/
23	622121501024	KAYALVIZHI.P	/	/	/	/	/
24	622121501025	MAJITHA.M	/	/	/	/	/
25	622121501026	MANOJRAJ.R	/	/	/	/	/
26	622121501027	MOULI.J	/	/	/	/	/
27	622121501028	NANDHINI.S	/	/	/	/	A

28	622121501029	NISHANTHI.R	/	A	/	/	/
29	622121501030	OVIYAA.M	/	/	/	/	a
30	622121501031	PRABAVATHI.S	/	/	/	/	/
31	622121501032	PRASANTH.S	/	/	/	/	/
32	622121501033	PRASANTH.S	/	/	/	/	/
33	622121501034	PRAVEENA.R	/	/	/	/	/
34	622121501035	PRIYADHARSHINI.B	/	/	/	/	/
35	622121501036	PRIYAVASAN.S	/	/	/	/	/
36	622121501037	RAJADURAI.G	/	/	/	/	/
37	622121501038	RAJAGANESH.V.R	/	/	/	/	/
38	622121501039	RAMESHWARI.K	/	/	/	/	/
39	622121501040	RAMYA.S	A	/	/	/	/
40	622121501041	RAVISANKAR.V.R	/	/	/	a	/
41	622121501042	RENIX ANTONY.J	/	/	/	/	/
42	622121501043	REVATHI.R	/	/	/	/	/
43	622121501044	SAKTHIVEL.A	/	/	/	/	/
44	622121501045	SAMUKTHA.P	/	/	/	/	/
45	622121501046	SANTHOSH KUMAR.P	/	/	/	/	/
46	622121501047	SATHISH.M	/	/	/	/	/
47	622121501048	SATHISH.S	/	/	/	/	/
48	622121501049	SHANKARAN.T	/	/	/	/	/
49	622121501050	SOWMIYA.G.V	/	/	/	/	/
50	622121501051	SOWMUGI.V	/	/	/	/	/
51	622121501052	SUBHIKSHA.N	/	/	/	/	/
52	622121501053	SUDARSAN BABU.S	/	/	a	/	/
53	622121501054	SUDHAKAR.R	/	/	/	/	/
54	622121501055	VALLARASU.R	/	/	/	/	/
55	622121501056	VASUNDRA.P	/	/	a	/	/
56	622121501057	VIGNESHWARAN.P.M.	/	/	/	/	/
57	622121501058	VIVEK.A	/	/	a	/	/
58	622121501059	YOKESH.A	/	/	/	/	/
59	622121501060	YUVITHA.K	/	/	a	/	/

V. Ponnusundari
COURSE INCHARGE

S. V. S.
H.O.D



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

MAYILSAMY.S

of Paavai Engineering College, studying in first year has successfully completed the
re added course 21BAYC101 MODERN BUSINESS ACTIVITIES The duration of the course is 30 hours

16.07.2021 TO 21.07.2021

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

SUBHIKSHA.N

of Paavai Engineering College, studying in first year has successfully completed the
value added course 21BAVC101 MODERN BUSINESS ACTIVITIES The duration of the course is 30 hours from

16.07.2021 TO 21.07.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

MANIVASAGAM.M

of Paavai Engineering College, studying in first year has successfully completed the value added course 21BAVC101 MODERN BUSINESS ACTIVITIES The duration of the course is 30 hours from

16.07.2021 TO 21.07.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

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

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

POORNIMA.V

of Paavai Engineering College, studying in first year has successfully completed the
value added course 21BAVC101 MODERN BUSINESS ACTIVITIES The duration of the course is 30 hours from

16.07.2021 TO 21.07.2021

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

BARATHKUMAR.R

of Paavai Engineering College, studying in first year has successfully completed the
value added course 21BAVC101 MODERN BUSINESS ACTIVITIES The duration of the course is 30 hours from

16.07.2021 TO 21.07.2021

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

GAYATHIRI.K

of Paavai Engineering College, studying in first year has successfully completed the
value added course 21BAVC101 MODERN BUSINESS ACTIVITIES The duration of the course is 30 hours from

16.07.2021 TO 21.07.2021

Course Incharge

HOD

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that

VIGNESHWARAN. P.M

of Paavai Engineering College, studying in first year has successfully completed the value added course 21BAVC101 MODERN BUSINESS ACTIVITIES The duration of the course is 30 hours from

16.07.2021 TO 21.07.2021

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

PAVITHRA.B

of Paavai Engineering College, studying in first year has successfully completed the
value added course 21BAVC101 MODERN BUSINESS ACTIVITIES The duration of the course is 30 hours from

16.07.2021 TO 21.07.2021

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

ELAVARASAN.M

of Paavai Engineering College, studying in first year has successfully completed the
value added course 21BAVC101 MODERN BUSINESS ACTIVITIES The duration of the course is 30 hours from

16.07.2021 TO 21.07.2021

Course Incharge

HOD

Principal

21CAVC201 DEVOPS

COURSE OBJECTIVES

To enable the students to

- obtain a working level of skills required for a Junior Software Professional
- practice attention to detail
- documentation skills

UNIT I Introduction

Introduction about DevOps- Basics –Functions and its Operations- Versions- Evolution of DevOps– Services.

UNIT II DevOps Model

DevOps Infrastructure- Methodologies – Principles - Strategies– DevOps Tools – Integration – Security.

UNIT III Benefits and Challenges

Streamlined Development Process –Rapid Improvement - Validations–Agile Software Development – Micro Services.

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 Software Professional
- implement Practice attention to detail
- analyze Documentation skills

TEXT BOOKS

1. The DevOps Handbook: How to Create World-Class Agility, Reliability, and Security in Technology Organizations, Gene Kim, Patrick Debois, John Willis, Jez Humble, 2016.

REFERENCES

1. TejaYarlagadda, Ravi (9 March 2021). "DevOps and Its Practices".



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

VALUE ADDED COURSE

DEVOPS

ABOUT THE COURSE:

- ❖ **DevOps** is a set of practices that combines software development (*Dev*) and IT operations (*Ops*). It aims to shorten the systems development life cycle and provide continuous delivery with high software quality.
- ❖ **DevOps** is complementary with Agile software development; several **DevOps** aspects came from the Agile methodology.
- ❖ **DevOps** is characterized by key principles: shared ownership, workflow automation, and rapid feedback. **DevOps** as "a set of practices intended to reduce the time between committing a change to a system and the change being placed into normal production, while ensuring high quality."

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 :

22.11.2021 to 26.11.2021, MCA Laboratory, Paavai Engineering College

COURSE COORDINATOR:

Mrs.G.Manimekalai, AP/MCA



PAAVAI ENGINEERING COLLEGE

(Autonomous)

Pachal, Namakkal - 637 018.

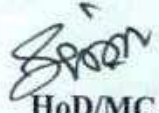


DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Date : 18.11.2021

CIRCULAR

It is planned to conduct **Five Days Value Added Course** on **DEVOPS** for first semester students from 22.11.2021 to 26.11.2021. The interested students are asked to enroll their names to the course coordinator **Mrs.G.Manimekalai, AP/MCA** on or before 21.11.2021. (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



PAAVAI ENGINEERING COLLEGE

(Autonomous)
Pachal, Namakkal - 637 018.



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Academic Year : 2021-2022

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Sem : I / I

Name of the Course : 21CAVC101 DEVOPS

S.No	Reg. Number	Name of thhe Student	22.11.21	23.11.21	24.11.21	25.11.21	26.11.21
1	622121601001	ABINAYA.K	/	/	/	/	/
2	622121601002	ANANTH S	/	/	/	/	/
3	622121601003	ANNAMALAI C	a	a	a	a	a
4	622121601004	ANTONY JOSEPHRAJ D	/	/	/	/	/
5	622121601005	ARUMUGAM M R	/	/	/	/	/
6	622121601006	ARUNKUMAR A	/	/	/	/	/
7	622121601007	BOOPALAN R	a	a	a	a	a
8	622121601008	DHARANI R	/	/	/	/	/
9	622121601009	DHARANIYA T	/	/	/	/	/
10	622121601010	DHARMARAJ L	/	/	/	/	/
11	622121601011	DHARSHINI E	/	/	/	/	/
12	622121601012	DINESH V	/	/	/	/	/
13	622121601013	ENBARASI S	/	/	/	/	/
14	622121601014	ESAKKIVEL S (SQ)	a	a	a	a	a
15	622121601015	FAIJUL RAHMAN J	/	/	/	/	/
16	622121601016	GOKUL.A	/	/	/	/	/
17	622121601017	GOWSIKA M	/	/	/	/	/
18	622121601018	GUNASELVI P	/	/	/	/	/
19	622121601019	IMRANA A	/	/	/	/	/
20	622121601020	INDHUMATHI A	/	/	/	/	/
21	622121601021	INDRAJETH.A	/	/	/	/	/
22	622121601022	KANNAN P	/	/	/	/	/
23	622121601023	KAVIN KUMAR R	/	/	/	/	/
24	622121601024	KOKILAVANI M	a	a	a	a	a
25	622121601025	LOGESHWARAN P	/	/	/	/	/
26	622121601026	MADHUSHRI M	/	/	/	/	/
27	622121601027	MITHUNSANJEEVE T	/	/	/	/	/
28	622121601028	MOHAN M	/	/	/	/	/
29	622121601029	MONIKA S	/	/	/	/	/

32	622121601032	NITHISH KUMAR P	/	/	/	/	/
33	622121601033	PAVITHRA P	/	/	/	/	/
34	622121601034	POOTHATHAN V (SQ)	a	a	a	a	a
35	622121601035	PRADEEP N	a	a	a	a	a
36	622121601036	PRAKASH M	/	/	/	/	/
37	622121601037	PRASATH S	/	/	/	/	/
38	622121601038	PREETHI S	/	/	/	/	/
39	622121601039	RESHMA R	/	/	/	/	/
40	622121601040	RITHIKA T	/	/	/	/	/
41	622121601041	RUBIKA M	/	/	/	/	/
42	622121601042	SAKTHIVEL P (SQ)	a	a	a	a	a
43	622121601043	SAMPATH R	/	/	/	/	/
44	622121601044	SHALINI P	/	/	/	/	/
45	622121601045	SHALINI S	/	/	/	/	/
46	622121601046	SHARUMATHI P	/	/	/	/	/
47	622121601047	SNEKA N	/	/	/	/	/
48	622121601048	SOWMIYA A (GQ)	/	/	/	/	/
49	622121601049	SRIJAYAN M	/	/	/	/	/
50	622121601050	SUBAHARINI A.B	/	/	/	/	/
51	622121601051	SUBIKHSA I	a	a	a	a	a
52	622121601052	SUDHARSANAVEL V	/	/	/	/	/
53	622121601053	SUJITHA C	/	/	/	/	/
54	622121601054	SUNIL PRASATH M	/	/	/	/	/
55	622121601055	UDHAYANITHI N	/	/	/	/	/
56	622121601056	VAISNAVI C	/	/	/	/	/
57	622121601057	VASANTHAPOOVITHAN B	a	a	a	a	a
58	622121601058	VIGNESH K (SQ)	a	a	a	a	a
59	622121601059	VIJAYSANKAR T	/	/	/	/	/
60	622121601060	YOGESHWARAN M	/	/	/	/	/

G. Arunif

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

Reshma.R

of Paavai Engineering College, studying in First Year has successfully completed the Value added Course "**DEVOPS**". The duration of the course is 30 hours (22/11/2021 to 26/11/2021)

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

Course Coordinator

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

HOD

A handwritten signature in blue ink, appearing to read 'Prasanna', 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

Rubika.M

of Paavai Engineering College, studying in First Year has successfully completed the Value added Course "**DEVOPS**". The duration of the course is 30 hours (22/11/2021 to 26/11/2021)

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

Course Coordinator

A handwritten signature in black ink, appearing to read '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

Shalini.S

of Paavai Engineering College, studying in First Year has successfully completed the Value added Course "**DEVOPS**". The duration of the course is 30 hours (22/11/2021 to 26/11/2021)

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

Course Coordinator

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

HOD

A handwritten signature in blue ink, appearing to read 'Prasanna', 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

Udhayanithi.N

of Paavai Engineering College, studying in First Year has successfully completed the Value added Course "**DEVOPS**". The duration of the course is 30 hours (22/11/2021 to 26/11/2021)

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

Course Coordinator

A handwritten signature in black ink, appearing to read '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

Yogeshwaran.M

of Paavai Engineering College, studying in First Year has successfully completed the Value added Course "**DEVOPS**". The duration of the course is 30 hours (22/11/2021 to 26/11/2021)

Course Coordinator

HOD

Principal

21CAVC101 KUBERNETES

COURSE OBJECTIVES

To enable the students to

- obtain a working level of skills required for a Junior Software Professional
- practice attention to detail
- documentation skills

UNIT I Introduction

Introduction about Kubernetes- Origin- Portable Extensions- Versions- Kubernetes API – Components – Objects.

UNIT II Kubernetes

Kubernetes Infrastructure- Cluster Architecture– Containers –Workloads –Storage – Load Balancing

UNIT III Extensions & Services

Extension Patterns – API Extensions–Infrastructure Extensions – Configurations – 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 Software Professional
- implement Practice attention to detail
- analyze Documentation skills

TEXT BOOKS

1. Configure Kubernetes Autoscaling With Custom Metrics. Bitnami. BitRock. 15 November 2018.

REFERENCES

1. MSV, Janakiram. "Why Kubernetes Developer Ecosystem Needs A PaaS". *Forbes*. Retrieved 2021-05-16.



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

VALUE ADDED COURSE

KUBERNETES



ABOUT THE COURSE:

- ❖ **Kubernetes** defines a set of building blocks ("primitives") that collectively provide mechanisms that deploy, maintain, and scale applications based on CPU, memory or custom metrics.
- ❖ **Kubernetes** is loosely coupled and extensible to meet different workloads. The internal components as well as extensions and containers that run on **Kubernetes** rely on the Kubernetes API
- ❖ Google originally designed Kubernetes, but the Cloud Native Computing Foundation now maintains the project. **Kubernetes** also known as K8s, is an open-source system for automating deployment, scaling, and management of containerized applications

COURSE OUTCOMES:

At the end this course, students will be able to

- understand a working level of skills required for a Cloud Computing
- implement Practice attention to detail
- analyze Documentation skills

DATE & VENUE :

09.08.2021 to 13.08.2021, MCA Laboratory, Paavai Engineering College

COURSE COORDINATOR:

Mrs.G.Manimekalai, AP/MCA



PAAVAI ENGINEERING COLLEGE

(Autonomous)

Pachal, Namakkal - 637 018.




DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Date : 05.08.2021

CIRCULAR

It is planned to conduct **Five Days Value Added Course** on **KUBERNETS** for third semester students from 09.08.2021 to 13.08.2021. The interested students are asked to enroll their names to the course coordinator **Mrs.G.Manimekalai, AP/MCA** on or before 08.08.2021. (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



PAAVAI ENGINEERING COLLEGE

(Autonomous)

Pachal, Namakkal - 637 018.



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Academic Year : 2021-2022

VALUE ADDED COURSE ATTENDANCE SHEET

Year / Sem : II / III

Name of the Course : 21CAVC201 KUBERNETS

S.No	Reg. Number	Name of thhe Student	09.08.21	10.08.21	11.08.21	12.08.21	13.08.21
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	/	AB	AB	AB	AB
9	20601009	KASTHURI.A	/	/	/	/	/
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	RAJAMOORTHIR	/	/	/	/	/
18	20601018	REETHIGAA.S.G	/	/	/	/	/
19	20601019	SAKTHI.R	/	/	/	/	/
20	20601020	SANGAVI.V	AB	AB	AB	AB	AB
21	20601021	SOUNTHARYA.M	/	/	/	/	/
22	20601022	VAISHNAVI. R	/	/	/	/	/

G. Dhanif

Course Coordinator

Shree

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

Bharathi Kannamma.S

of Paavai Engineering College, studying in Second Year has successfully completed the Value added Course "**KUBERNETS**". The duration of the course is 30 hours (**09/08/2021 to 13/082021**)

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

Kasthuri.A

of Paavai Engineering College, studying in Second Year has successfully completed the Value added Course "**KUBERNETS**". The duration of the course is 30 hours (09/08/2021 to 13/082021)



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

Loganathan.S

of Paavai Engineering College, studying in Second Year has successfully completed the Value added Course "**KUBERNETS**". The duration of the course is 30 hours (09/08/2021 to 13/082021)

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

Course Coordinator

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

HOD

A handwritten signature in blue ink, appearing to read 'Prasanna', 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

Nivedhya.T.P

of Paavai Engineering College, studying in Second Year has successfully completed the Value added Course "**KUBERNETS**". The duration of the course is 30 hours (09/08/2021 to 13/082021)

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

Reethigaa.S.G

of Paavai Engineering College, studying in Second Year has successfully completed the Value added Course "**KUBERNETS**". The duration of the course is 30 hours (09/08/2021 to 13/082021)

Course Coordinator

HOD

Principal

- All the first year of B.E., B.Tech Students

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. Mrs. R. Saranya ASP/English
2. Mr. M. E. Hariharan AP/English
3. Ms. S. Archana, AP/English
4. Mr. D. Kuamar, AP/English
5. Mr V. Rogan Antony, AP/English

COURSE OBJECTIVES**To enable the students to**

- enrich the verbal skills of the students and to familiarize them in effective communication.
- instill the communication concepts and enhance the students' conversational skills through various practice sessions.
- familiarize them with a variety of verbal communication.
- develop the receptive skills such as listening and to make the students well versed in the productive skills.
- assist them in improving their spoken skills.

UNIT I Communication: An Introduction**6**

Verbal Communication - Definition, Types of Verbal Communication, Examples, Advantages, Characteristics,. Essentials of Effective Communication, Communication Techniques - Barriers to Communication.

UNIT II Listening Skills**6**

Purpose of Listening- Listening to Conversation (Formal and Informal)- Active Listening- an Effective Listening Skill- Benefits of Effective Listening- Listening to Announcements- (railway/ bus stations/ airport /sports announcement/ commentaries etc.)- Age of globalization and the need for communication in English- Uses of English in academic and non-academic situations in India.

UNIT III : Oral Communication Skills**6**

Asking for and giving information -Offering and responding to offers -Requesting and responding to requests -Giving instructions - Seeking and giving permission- Expressing opinions (likes and dislikes) -Demanding explanations, Asking for and giving advice and suggestions- Expressing sympathy.

UNIT IV : Speaking Skills**6**

Status of spoken English in India, Phonetics, Pronunciation, words often confused, Usage of articles, tenses, Error analysis Indianism, Negotiation Skills.

UNIT V : Telephone Skills**6**

Basics of Telephone communication - How to handle calls- telephone manners - Leaving a message - Phone etiquette - Greeting and Leave Taking.

TOTAL PERIODS: 30

COURSE OUTCOMES

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

- enrich the verbal communication.
- develop their communication skills.
- speak effectively in English in various occasions.
- communicate as a professional.
- Converse fluently in English.

REFERNCES

Hart, Guy Brook. Business Benchmark, Upper-Intermediate, Student's Book, Cambridge University Press, New York, 2007.



ANNA ENGINEERING COLLEGE, NAMAKAL-637018
(As Autonomous Institution - Affiliated to Anna University, Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date:03.09.2021

CIRCULAR

The Department has started a Five Day Training Course on Verbal Communication for our first year students from 15.09.2021 to 19.09.2021. Those who are Interested can register their names to the course coordinator Mrs.R. Shanthi, Associate Professor/English on or before 10.09.2021.

Course coordinator: 1) Mrs.R. Shanthi, ASP/English


HOD

Copy to:

- 1) All Students
- 2) Notice board

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. CYBER SECURITY

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC101/ VERBAL COMMUNICATION

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121111021	JANA.M	/	/	/	/	/
2	622121111022	JAYASRI.S	/	/	/	/	/
3	622121111023	JEEVANANTHAM.M	/	/	/	/	/
4	622121111024	KABILAN.K	/	/	/	/	/
5	622121111025	KARTHICK.R	/	/	/	/	/
6	622121111026	KESAVAN.T	/	/	/	/	/
7	622121111027	KESHAVAN.T	/	/	/	/	/
8	622121111028	KUMARESAN.L	/	/	/	/	/
9	622121111029	KUMARJEYANTH.K	/	/	/	/	/
10	622121111030	MADHAN KUMAR.M	/	/	/	/	/
11	622121111031	MAGIMAI RAJ.J	/	/	/	/	/
12	622121111032	MUKESH.M	/	/	/	/	/
13	622121111033	MUTHUPANDIYAN.P	/	/	/	/	/
14	622121111034	NANDHAKUMAR.B	/	/	/	/	/
15	622121111035	NIRANJANI.M	AB	AB	AB	AB	AB
16	622121111036	NITHIYAN.M	/	/	/	/	/
17	622121111037	PASUPATHI.R	/	/	/	/	/
18	622121111038	PAVINATH.E	/	/	/	/	/
19	622121111039	POOBALAN.M	/	/	/	/	/
20	622121111040	PRASANTH.S	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E. CSE A

YEAR/SEM: 1/1

NAME OF THE COURSE: 21GEVC101/ VERBAL COMMUNICATION

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121104038	JAYASARAN.S	/	/	/	/	/
2	622121104039	JEEVANATHI.D	/	/	/	/	/
3	622121104040	JOYAL ANTONY.J	/	/	/	/	/
4	622121104041	KABILAN.K	/	/	/	/	/
5	622121104042	KAMALI.M	/	/	/	/	/
6	622121104043	KAMIL.S	/	/	/	/	/
7	622121104044	KAVIN KAMALESH.S	/	/	/	/	/
8	622121104045	KAVIYA.T	/	/	/	/	/
9	622121104046	KAVYA MOORTHY	/	/	/	/	/
10	622121104047	KEERTHIVASAN.G	/	/	/	/	/
11	622121104048	KIRUBASANKAR.K	/	/	/	/	/
12	622121104049	LAKSHMANAN.K	/	/	/	/	/
13	622121104050	LOKESH.S	/	/	/	/	/
14	622121104051	LOKESHKUMAR.J	/	/	/	/	/
15	622121104052	LOKESHWARAN.J	AB	AB	AB	AB	AB
16	622121104053	MADHESHWARAN.T	/	/	/	/	/
17	622121104054	MAMEETH.C	/	/	/	/	/
18	622121104055	MANIBARATHI.M	/	/	/	/	/
19	622121104056	MANOJ.N	/	/	/	/	/
20	622121104057	MANOJ.R.S	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E. CSE B

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC101/ VERBAL COMMUNICATION

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121104091	SANTHOSH.S	/	/	/	/	/
2	622121104092	SANTHOSHKUMAR.S	/	/	/	/	/
3	622121104093	SARANKUMAR.G	/	/	/	/	/
4	622121104094	SARANRAJ.S	/	/	/	/	/
5	622121104095	SARANRAJ.S	/	/	/	/	/
6	622121104096	SARANYA.R	/	/	/	/	/
7	622121104097	SHREE KUMAR.S	/	/	/	/	/
8	622121104098	SHRI HARI.E	/	/	/	/	/
9	622121104099	SILAMBARASAN.A	/	/	/	/	/
10	622121104100	SIVA.M	/	/	/	/	/
11	622121104101	SIVACHANDIRAN.R	/	/	/	/	/
12	622121104102	SIVASHANMUGAM.M	/	/	/	/	/
13	622121104103	SONIYA.S	/	/	/	/	/
14	622121104104	SOUNDARIYA LAKSHMI.V	/	/	/	/	/
15	622121104105	SREE ARAVIND.K	AB	AB	AB	AB	AB
16	622121104106	SRIRAM.T	/	/	/	/	/
17	622121104107	STALIN.K	/	/	/	/	/
18	622121104108	SURIYABHUVANESH.E	/	/	/	/	/
19	622121104109	SURYA.M	/	/	/	/	/
20	622121104110	TAMILSELVI.N	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.Tech. AGRI A

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC101/ VERBAL COMMUNICATION

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121102021	HARIHARAN.S	/	/	/	/	/
2	622121102022	HARIPRAKASH.S	/	/	/	/	/
3	622121102023	HARIPRIYA.P.S	/	/	/	/	/
4	622121102024	ILAYA PRITHIVI.K	/	/	/	/	/
5	622121102025	ILAYARAJA.B	/	/	/	/	/
6	622121102026	INDHAR.K	/	/	/	/	/
7	622121102027	INDHUREKHA.M	/	/	/	/	/
8	622121102028	JANANI.K	/	/	/	/	/
9	622121102029	JANSI CHRISTINA.F	/	/	/	/	/
10	622121102030	JAYARAMAPANDIYAN.G	/	/	/	/	/
11	622121102031	KALIYAPPAN.R	/	/	/	/	/
12	622121102032	KANISHKA.K	/	/	/	/	/
13	622121102033	KATHIRESAN.M	/	/	/	/	/
14	622121102034	KAVIN.K	/	/	/	/	/
15	622121102035	KEERTHIKA.D	AB	AB	AB	AB	AB
16	622121102036	KISHORE.M	/	/	/	/	/
17	622121102037	KISHORE.R	/	/	/	/	/
18	622121102038	KOKILA.S	/	/	/	/	/
19	622121102039	KUMARAVEL.S	/	/	/	/	/
20	622121102040	KURALARASAN.K	/	/	/	/	/



COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.Tech PHARMA

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC101/ VERBAL COMMUNICATION

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121204016	GUGANRAJ.E	/	/	/	/	/
2	622121204017	GUNASEKARAN.M	/	/	/	/	/
3	622121204018	HEMANATH.S	/	/	/	/	/
4	622121204019	JAMUNARANI.R	/	/	/	/	/
5	622121204020	JANARDHANAN.S	/	/	/	/	/
6	622121204021	JAYASURYA.R	/	/	/	/	/
7	622121204022	JEEVA.S	/	/	/	/	/
8	622121204023	JEEVAANANTH.V	/	/	/	/	/
9	622121204024	KAMALESH.K	/	/	/	/	/
10	622121204025	KIRANRAJ.S	/	/	/	/	/
11	622121204026	KIRUBAKARAN.A	/	/	/	/	/
12	622121204027	LARA ARULISHIYA.A	/	/	/	/	/
13	622121204028	MOHAMED MUJJAMEELS	/	/	/	/	/
14	622121204029	MOHANAPRIYA.A	/	/	/	/	/
15	622121204030	MONISHA. M	AB	AB	AB	AB	AB
16	622121204031	POOJA.M	/	/	/	/	/
17	622121204032	POOVARASAN.S	/	/	/	/	/
18	622121204033	PRAVEEN KUMAR.T	/	/	/	/	/
19	622121204034	PRAVEEN RAJ.P	/	/	/	/	/
20	622121204035	PRAVEEN.K	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. ECE B

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC101/ VERBAL COMMUNICATION

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121105078	PRIYADHARSHINI.P	/	/	/	/	/
2	622121105079	PRIYANKA.S	/	/	/	/	/
3	622121105080	PUJA MAHARANA.L	/	/	/	/	/
4	622121105081	RAJADURAI.N	/	/	/	/	/
5	622121105082	RAJESH.V	/	/	/	/	/
6	622121105083	RAJESHKANNAN.K	/	/	/	/	/
7	622121105084	RAJGOWTHAM.S	/	/	/	/	/
8	622121105085	RAMPRASAD.M	/	/	/	/	/
9	622121105086	RANJITH KUMAR.S	/	/	/	/	/
10	622121105087	RATHIKA.N	/	/	/	/	/
11	622121105088	RIYASAN.A	/	/	/	/	/
12	622121105089	SAAI VISHVAA .A .K	/	/	/	/	/
13	622121105090	SABARINATH.R	/	/	/	/	/
14	622121105091	SABARINATHAN.L	/	/	/	/	/
15	622121105092	SAKTHI.K	AB	AB	AB	AB	AB
16	622121105093	SAKTHI.R	/	/	/	/	/
17	622121105094	SAKTHIVEL.P	/	/	/	/	/
18	622121105095	SANJAY.G	/	/	/	/	/
19	622121105096	SANTHOSH.K	/	/	/	/	/
20	622121105097	SANTHOSHKUMAR.M	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. AERO

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC101/ VERBAL COMMUNICATION

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121101001	ANBUMANI.N	/	/	/	/	/
2	622121101002	ANGEL.M	/	/	/	/	/
3	622121101003	ANITH.A	/	/	/	/	/
4	622121101004	DEEPAK.K	/	/	/	/	/
5	622121101005	DHANUSH.S	/	/	/	/	/
6	622121101006	DHARSHAN PRASAD.T	/	/	/	/	/
7	622121101007	DHARSHINI.S	/	/	/	/	/
8	622121101008	ELAKKIYA.S	/	/	/	/	/
9	622121101009	HARIPRAKASH.R	/	/	/	/	/
10	622121101010	JANAKIRAMAN.A	/	/	/	/	/
11	622121101011	KARPURAPU CHENCHU JAYANTH	/	/	/	/	/
12	622121101012	KARTHIKEYAN.D	/	/	/	/	/
13	622121101013	KAVIYA.G	/	/	/	/	/
14	622121101014	KOKILA.G	/	/	/	/	/
15	622121101015	LOGESHWARAN.M	AB	AB	AB	AB	AB


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. CIVIL

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC101/ VERBAL COMMUNICATION

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121103011	KARTHIKEYAN.K.P	/	/	/	/	/
2	622121103012	KOWSHIKA.K.E	/	/	/	/	/
3	622121103013	MOHANRAJ.E	/	/	/	/	/
4	622121103014	MUTHAIYA MURALITHARAN.T	/	/	/	/	/
5	622121103015	NEETHU.G	AB	AB	AB	AB	AB
6	622121103016	PANDIYARAJAN.M	/	/	/	/	/
7	622121103017	PERIKALA ABHISHEK	/	/	/	/	/
8	622121103018	PRAVEEN.L	/	/	/	/	/
9	622121103019	RAGUL GANDHI.S	/	/	/	/	/
10	622121103020	SABARI.J	/	/	/	/	/


COURSE COORDINATOR


HOD


PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.Tech AGRI- B

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC101/ VERBAL COMMUNICATION

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121102091	SRI VELMURUGADASS.R	/	/	/	/	/
2	622121102092	SRIPRIYAN.K	/	/	/	/	/
3	622121102093	SUBASH.A	/	/	/	/	/
4	622121102094	SUDHAN.S	/	/	/	/	/
5	622121102095	SUREKA.E	/	/	/	/	/
6	622121102096	SUVATHI.E	AB	AB	AB	AB	AB
7	622121102097	TAMILAN.S	/	/	/	/	/
8	622121102098	TAMILARASAN.S	/	/	/	/	/
9	622121102099	TAMIZHMATHY.P	/	/	/	/	/
10	622121102100	VASAUDEVAN.S	/	/	/	/	/


COURSE COORDINATOR


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Science and Humanities



This is to certify that

K.KAVIN

of Paavai Engineering College, studying in first year Agricultural Engineering has successfully completed the value added course **21GEVC101 VERBAL COMMUNICATION** the duration of the course is 30 hours (**15.09.2021 to 19.09.2021**).

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE
(Autonomous)
DEPARTMENT OF SCIENCE AND HUMANITIES
VALUE ADDED COURSE

21GEVC101- APTITUDE-I

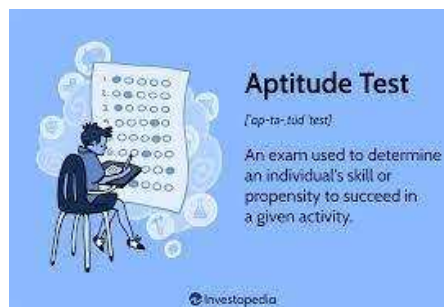
(Online mode)

About The Course:

The aim of the course is to improve the students' Quantitative Abilities and demonstrate sound knowledge of fundamentals of Arithmetic Quantitative abilities. As the professional world needs the students with the IQ in the basics of mathematical and logical abilities, this course has been kept to help the students in their beginning years of their main course as an optional subject. This course was initiated by viewing the importance of this subject In the professional world.



INTENDED AUDIENCE:



- All the first year of B.E., B.Tech Students

Open link:

<https://teams.microsoft.com//meetup->

join/19%3ameeting_ZTkwnjVhM2MtNTZkZS00ZDI0LWExMGMtYjhhNjYzYTMxY
zhi%40thread.v2/0?context=%7b%22Tid%22%3a%220e12e443-9474-407f-
a440-2c8f3f1bac5b%22%2c%22Oid%22%3a%22d3d1f784-26f8-4f80-8b80-
262ebaab37de%22%7d

Course Coordinators:

- 1.Mr.N.Vijayanand ASP/Chemistry
- 2.Mr. A.Jeeva, AP/ Chemistry
3. Dr.N.Dhanabalan, ASP/ Chemistry
4. Dr.D.Rajamanickam., AP/ Chemistry

	APTITUDE-I								
OBJECTIVES									
To enable the students to									
<ul style="list-style-type: none"> Understand the relevance and need for basics of Quantitative Abilities 									
<ul style="list-style-type: none"> Demonstrate sound knowledge of fundamentals of Arithmetic Quantitative abilities 									
<ul style="list-style-type: none"> Develop a satisfactory competency of Logical Reasoning 									
UNIT I	ALGEBRA - I							6	
Logarithms, Problems on ages									
UNIT II	ARITHMETIC - I							12	
Percentages, Profit & Loss, Simple Interest & Compound Interest, , Clocks & calendars									
UNIT III	REASONING							12	
Permutations, Combinations, Probability, Logical Reasoning, Analytical Reasoning									
						TOTAL PERIODS:		30	
OUTCOMES									
At the end of the course, the students will be able to									
<ul style="list-style-type: none"> interpret the relevance and need for basics of Quantitative Abilities 									
<ul style="list-style-type: none"> apply the basics of Arithmetic Quantitative abilities to solve a variety of problems 									
<ul style="list-style-type: none"> identify and analyze the competency of Logical Reasoning 									

TEXT BOOKS
1. Agarwal.R.S – Quantitative Aptitude for Competitive Examinations, S.Chand Limited 2017
2. Ran Mohan Pandey, General Aptitude Theory and Practice, Pathfinder Publication, 2020
REFERENCE BOOKS
1. Sijwali.B.S,Indu Sijwali,Verbal & Analytical Reasoning ,Arihant Publications Limited, 2014.
2. Arun Sharma, How to prepare for Quantitative Aptitude for CAT, McGraw Hill Education Private Limited, New Delhi, 2003.
3. Rajesh Verma, Fast Track Objective Arithmetic ,Arihant Publications Limited,2018
4. .Edgar Thrope, Test Of Reasoning for Competitive Examinations, Tata McGraw Hill, 4th Edition, 2012.



ANNA ENGINEERING COLLEGE, NAMAKAL-637018
(As Autonomous Institution - Affiliated to Anna University, Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date: 03.09.2021

CIRCULAR

The Department has started a Five Day Training Course on Aptitude -I for our first year students from 15.09.2021 to 19.09.2021. Those who are Interested can register their names to the course coordinator Mrs.K.Uma, Assistant Professor/Maths on or before 10.09.2022.

Course coordinator: 1) Mrs.K.Uma, AP/Maths


HOD

Copy to:

- 1) All Students
- 2) Notice board


PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E. CSE A

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC102/ APTITUDE - I

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121104023	DHIVYA DHARSHAN.K	/	/	/	/	/
2	622121104024	DINESHRAM.K	/	/	/	/	/
3	622121104025	DIVYA SRI.S	/	/	/	/	/
4	622121104026	ESHWARAN.A	/	/	/	/	/
5	622121104027	GOBIKRISHNA.V	/	/	/	/	/
6	622121104028	GOPINATH.R	/	/	/	/	/
7	622121104029	GUNA.U	/	/	/	/	/
8	622121104030	GUNA.S	/	/	/	/	/
9	622121104031	GUNAL.K	/	/	/	/	/
10	622121104032	GUNAPRIYAN.R	/	/	/	/	/
11	622121104033	HARIDHAR.J.S	/	/	/	/	/
12	622121104034	HARIHARAN.S	/	/	/	/	/
13	622121104035	HARISH.V	/	/	/	/	/
14	622121104036	JAGADEESWARAN.B	/	/	/	/	/
15	622121104037	JAGAESHVARAN.P	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. CSE B

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC102/ APTITUDE - I

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121104076	PRADEEP.P	/	/	/	/	/
2	622121104077	PRADEEPKUMAR.M	/	/	/	/	/
3	622121104078	PRAGATHESH.R.D	/	/	/	/	/
4	622121104079	PRASANNA.M	/	/	/	/	/
5	622121104080	PRASATH.V	/	/	/	/	/
6	622121104081	PRAVEEN SENGOTTAIYAN	/	/	/	/	/
7	622121104082	PREM.B	/	/	/	/	/
8	622121104083	PRIYADHARSHINI.P.G	/	/	/	/	/
9	622121104084	RAGAVI.A	/	/	/	/	/
10	622121104085	RAJA SALAMON.D	/	/	/	/	/
11	622121104086	ROSINI.S	/	/	/	/	/
12	622121104087	SAKTHIVEL.G	/	/	/	/	/
13	622121104088	SAMPATH KUMAR. N	/	/	/	/	/
14	622121104089	SANGEETHA.V	/	/	/	/	/
15	622121104090	SANTHIYA.S	/	/	/	/	/



COURSE COORDINATOR



HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.Tech IT

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC102/ APTITUDE - I

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121202013	DINESHRAM.K	/	/	/	/	/
2	622121202014	ESWAR.C	/	/	/	/	/
3	622121202015	ESWARAN.S	/	/	/	/	/
4	622121202016	GANESHA.R.S	/	/	/	/	/
5	622121202017	GOBI.N	/	/	/	/	/
6	622121202018	GOKUL RAJ .B	/	/	/	/	/
7	622121202019	GOKULNATH.S	/	/	/	/	/
8	622121202020	HARISH.A	/	/	/	/	/
9	622121202021	HARSITHA.S.A	/	/	/	/	/
10	622121202022	JANANI.S	/	/	/	/	/
11	622121202023	JEEVIKA.S	/	/	/	/	/
12	622121202024	KANISHKA.K	/	/	/	/	/
13	622121202025	KARTHIGA.J	/	/	/	/	/
14	622121202026	KARTHIKA.M	/	/	/	/	/
15	622121202027	KAVIYARASAN.M	AB	AB	AB	AB	AB
16	622121202028	LOGAPRIYAN.C	/	/	/	/	/
17	622121202029	MURALEEDHARAN.A.S	/	/	/	/	/
18	622121202030	PARIVALAVAN.M	/	/	/	/	/
19	622121202031	POOVARASAN.B	/	/	/	/	/
20	622121202032	PRABAKARAN.A	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.Tech Food Tech

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC102/ APTITUDE - I

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121203013	DHARSHINI.K.M	/	/	/	/	/
2	622121203014	DHIVAKAR.S	/	/	/	/	/
3	622121203015	DINESHSURIYA.B	/	/	/	/	/
4	622121203016	GAYATHRI.M	/	/	/	/	/
5	622121203017	GIJENDRAN.M.R	/	/	/	/	/
6	622121203018	GOWRI.V	/	/	/	/	/
7	622121203019	HARINI SUVETHA.M	/	/	/	/	/
8	622121203020	HARINI.P	/	/	/	/	/
9	622121203021	HEMASHREE.P	/	/	/	/	/
10	622121203022	INDHU.M	/	/	/	/	/
11	622121203023	JANANE.T.I	/	/	/	/	/
12	622121203024	JANANI.B	/	/	/	/	/
13	622121203025	JAYASRI.B	/	/	/	/	/
14	622121203026	JOEWIN.X	AB	AB	AB	AB	AB
15	622121203027	KAMALESH.S	/	/	/	/	/
16	622121203028	KANISHKA K	/	/	/	/	/
17	622121203029	KANISHKA.K	/	/	/	/	/
18	622121203030	KEERTHIKA.M	/	/	/	/	/
19	622121203031	KIRUTHIGA DEVI.S	/	/	/	/	/
20	622121203032	LOGANATHAN.N	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E Cyber Security

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC102/ APTITUDE - I

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121111001	AKASH.K	/	/	/	/	/
2	622121111002	ANISH.U	/	/	/	/	/
3	622121111003	ARULKUMAR.S	/	/	/	/	/
4	622121111004	ARUN.R	/	/	/	/	/
5	622121111005	BALA.P	/	/	/	/	/
6	622121111006	BALAMANIKANDAN.M	/	/	/	/	/
7	622121111007	BHARANIDHARAN.S	/	/	/	/	/
8	622121111008	BHUVANESWARAN.B	/	/	/	/	/
9	622121111009	DHANUSH.M	/	/	/	/	/
10	622121111010	DHARANI.D	/	/	/	/	/
11	622121111011	DHARMARAJ.D	/	/	/	/	/
12	622121111012	DHARSINI.R	/	/	/	/	/
13	622121111013	DHINAKARAN.S	/	/	/	/	/
14	622121111014	DURGADEVI.S	/	/	/	/	/
15	622121111015	ELAMPARITHI.S	/	/	/	/	/
16	622121111016	GOKUL.R	/	/	/	/	/
17	622121111017	GOKULNATH.S	/	/	/	/	/
18	622121111018	GOWTHAM.A	/	/	/	/	/
19	622121111019	HARIHARAN.S	/	/	/	/	/
20	622121111020	HARIKRISHNAN.R	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.Tech AGRI

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC102/ APTITUDE - I

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121102071	PRIYANKA.R	/	/	/	/	/
2	622121102072	PUNITH.M	/	/	/	/	/
3	622121102073	RAJADURAI.A	/	/	/	/	/
4	622121102074	RAKESH.R	/	/	/	/	/
5	622121102075	RAMANI.R	/	/	/	/	/
6	622121102076	RAMKI.S	/	/	/	/	/
7	622121102077	RISHIK RAAGAV.R.S	/	/	/	/	/
8	622121102078	ROOPA DHARSHINI.V	/	/	/	/	/
9	622121102079	SAKTHIVEL.M	/	/	/	/	/
10	622121102080	SANDHIYA.R	/	/	/	/	/
11	622121102081	SANTHOSH.S	/	/	/	/	/
12	622121102082	SANTHOSHKUMAR.S	/	/	/	/	/
13	622121102083	SANTHOSHKUMAR.S	/	/	/	/	/
14	622121102084	SARGURU.C	AB	AB	AB	AB	AB
15	622121102085	SASIKUMER.P	/	/	/	/	/
16	622121102086	SELVAPRAKASH.S	/	/	/	/	/
17	622121102087	SIBIDHARAN.S	/	/	/	/	/
18	622121102088	SIVANESAN.G	/	/	/	/	/
19	622121102089	SIVASANKAR.M	/	/	/	/	/
20	622121102090	SOWNDARYA.M	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. Chemical Engineering

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC102/ APTITUDE - I

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121201001	AKASH.C	/	/	/	/	/
2	622121201002	BALAJI.R	/	/	/	/	/
3	622121201003	BIBIN MATHEW	/	/	/	/	/
4	622121201004	CHANDRU.N	/	/	/	/	/
5	622121201005	DHANARAJ.G	/	/	/	/	/
6	622121201006	DHARANEESWARAN.R	/	/	/	/	/
7	622121201007	DHARANIDHARAN.S.A	/	/	/	/	/
8	622121201008	DHILIP.K	/	/	/	/	/
9	622121201009	DINESHBABU.S	/	/	/	/	/
10	622121201010	GAYATHRI.P	/	/	/	/	/
11	622121201011	GOKUL.N	/	/	/	/	/
12	622121201012	HEMAVATHI.R	/	/	/	/	/
13	622121201013	JOSHI PRINCY.A	/	/	/	/	/
14	622121201014	LOGESHWAR.K	/	/	/	/	/
15	622121201015	MUKESH.V	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E. Pharmaceutical Engineering

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC102/ APTITUDE - I

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121204001	ABI.A	/	/	/	/	/
2	622121204002	ABIKOIL.V	/	/	/	/	/
3	622121204003	ABITHA.S	/	/	/	/	/
4	622121204004	AKILAN.K	/	/	/	/	/
5	622121204005	AZHAGU JOTHI.M	/	/	/	/	/
6	622121204006	BHARATHI.S	/	/	/	/	/
7	622121204007	CHANDRU.V	/	/	/	/	/
8	622121204008	DEEPA.N	/	/	/	/	/
9	622121204009	DHARSHINI.S	/	/	/	/	/
10	622121204010	DHINESH KUMAR.R	/	/	/	/	/
11	622121204011	ELAVARASI.M	/	/	/	/	/
12	622121204012	GOKULKANNAN.K	/	/	/	/	/
13	622121204013	GOPINATH.C	/	/	/	/	/
14	622121204014	GOWRISANKAR.V	/	/	/	/	/
15	622121204015	GOWTHAM.M	/	/	/	/	/



COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E. Mechatronics

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC102/ APTITUDE - I

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121108028	PRATHAP.A	/	/	/	/	/
2	622121108029	PRITHIK RAJ.R.J	/	/	/	/	/
3	622121108030	RADHAKRISHNAN.V	/	/	/	/	/
4	622121108031	RAGHUL BABU.B	/	/	/	/	/
5	622121108032	RAGUL.N	/	/	/	/	/
6	622121108033	RANJITH.S	/	/	/	/	/
7	622121108034	SANGAMESHWAR KAVIN.G	/	/	/	/	/
8	622121108035	SANJIVI.D	/	/	/	/	/
9	622121108036	SATHEESH KUMAR.P	/	/	/	/	/
10	622121108037	SEKAR.M	AB	AB	AB	AB	AB


COURSE COORDINATOR


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Science and Humanities

CERTIFICATE

This is to certify that

U.GUNA

of Paavai Engineering College, studying in first year Computer Science Engineering has successfully completed the value added course **21CEVC102 APTITUDE** – I the duration of the course is 30 hours (**15.09.2021** to **19.09.2021**).

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

N.GOBI

of Paavai Engineering College, studying in first year Information Technology has successfully completed the value added course **21CEVC102 APTITUDE – I** the duration of the course is 30 hours (**15.09.2021 to 19.09.2021**).

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

P.HARINI

of Paavai Engineering College, studying in first year Food Technology has successfully completed the value added course **21GEVC102 APTITUDE – I** the duration of the course is 30 hours (**15.09.2021 to 19.09.2021**).

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

P.BALA

of Paavai Engineering College, studying in first year Cyber Security Engineering has successfully completed the value added course **21CEVC102 APTITUDE** – I the duration of the course is 30 hours (**15.09.2021 to 19.09.2021**).

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

K.DHILIP

of Paavai Engineering College, studying in first year Chemical Engineering has successfully completed the value added course **21GEVC102 APTITUDE** – I the duration of the course is 30 hours (**15.09.2021 to 19.09.2021**).

Course Coordinator

HOD

Principal

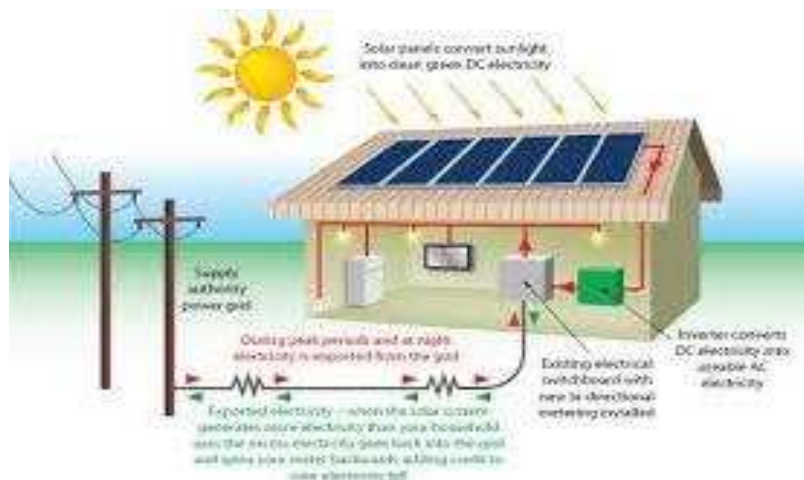
PAAVAI ENGINEERING COLLEGE
(Autonomous)
DEPARTMENT OF SCIENCE AND HUMANITIES
VALUE ADDED COURSE
21GEVC103 – SOLAR PHOTOVOLTAICS
(Online mode)

About The Course:

Solar photovoltaic technologies convert solar energy into useful energy forms by directly absorbing solar photons—particles of light that act as individual units of energy—and either converting part of the energy to electricity (as in a photovoltaic (PV) cell) or storing part of the energy in a chemical reaction (as in the conversion of water to hydrogen and oxygen).



INTENDED AUDIENCE:



- All the first year of B.E., B.Tech Students

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.MRs. S.Kavitha ASP/Physics
2. Mrs.C.Bharathi ASP/Physics
2. Mr.P.Suresh, AP/ Physics
3. Mr. R.Dhanachezian, AP/ Physics

COURSE OBJECTIVES

To enable the students to

- Learn about conventional and non-conventional resources.
- Acquire knowledge on solar radiation measurements.
- Understand the concepts of solar system.
- Know about the photovoltaic efficiency and module

UNIT I ENERGY ASPECTS**8**

Introduction-Definition of Power and energy- difference between power and energy- the role of energy in development-Conventional energy sources: Hydro Electric- Thermal- Nuclear. Non-Conventional Energy sources: Bio-mass-geo-thermal-solar-wind energy-ocean energy-wave energy.

UNIT II SOLAR ENERGY**5**

Solar radiation at the earth's surface-solar radiation measurements-estimation of average solar radiation.

UNIT III PHOTOVOLTAIC SYSTEMS**8**

Solar Photovoltaic system: Check the functions of different parts upto the performance level expected. Balance of Solar PV Systems: Electrical Storage: Battery technology, Batteries for Photovoltaic systems, DC- DC converters, Charge Controllers, DC – AC inverters; single phase, three phase, MPPT.

UNIT IV PHOTOVOLTAIC EFFICIENCY AND MODULE**9**

Solar Cell and its function - Solar Cell Parameters-Efficiency of Solar Cell-Solar PV Module, Rating of Solar PV Module-PV Module Parameters- Efficiency of PV Module.

TOTAL PERIODS: 30**COURSE OUTCOMES**

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

- Understand the division aspects and utilization of renewable energy resources.
- Assess the influence of solar radiation under various environments.
- analyze the solar photovoltaic system.
- knowledge of solar cells function, parameters, efficiency and modules.

REFERENCE BOOKS

1. Twidell J. Wanda. Weir, Renewable Energy Sources, EFN Spon Ltd., 2008.
2. Chetan Singh Solanki, Solar Photovoltaics-Fundamentals, Technologies and Applications, PHI Learning Private limited, (2015).
3. Solar Photovoltaic; Chetansingh solanki; PHI, Learning private ltd., New dehli- 2018.



J ENGINEERING COLLEGE, NAMAKAL-637018

(As Autonomous Institution - Affiliated to Anna University, Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date: 03.09.2021

CIRCULAR

The Department has started a Five Day Training Course on Solar Photovoltaics for our first year students from 15.09.2021 to 19.09.2021. Those who are Interested can register their names to the course coordinator Mrs.S.Kavitha Associate Professor/Physics on or before 10.09.2021.

Course coordinator: 1) Mrs.S.Kavitha, ASP/Physics


HOD

Copy to:

- 1) All Students
- 2) Notice board

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E. ECE B

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC103/ SOLAR PHOTOVOLTICS

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121105066	NARMADHADEVI.A	/	/	/	/	/
2	622121105067	NAVEEN.P	/	/	/	/	/
3	622121105068	NAVEENA.R	/	/	/	/	/
4	622121105069	NAVEENKUMAAR.B	/	/	/	/	/
5	622121105070	NIRANJAN.M	/	/	/	/	/
6	622121105071	NISHA.M	/	/	/	/	/
7	622121105072	NISHANTH.M	/	/	/	/	/
8	622121105073	NITHISHKUMAR.S	/	/	/	/	/
9	622121105074	PALANI BHARATRHIS	/	/	/	/	/
10	622121105075	PAVANKALYAN.G	/	/	/	/	/
11	622121105076	PREETHI.V G	/	/	/	/	/
12	622121105077	PREMNATH.S	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E. EEE

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC103/SOLAR PHOTOVOLTICS

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121106016	INDHUPRAKASH.R	/	/	/	/	/
2	622121106017	JAGADHEESH.N	/	/	/	/	/
3	622121106018	JANA.T	/	/	/	/	/
4	622121106019	JANANI.R	/	/	/	/	/
5	622121106020	JEGANATHAN.S	/	/	/	/	/
6	622121106021	KABILIAN.R	/	/	/	/	/
7	622121106022	KALAIYARASAN.S	/	/	/	/	/
8	622121106023	KALISWARI.M	/	/	/	/	/
9	622121106024	KAMESHKUMAR.R	/	/	/	/	/
10	622121106025	KAVIPRIYA.M	/	/	/	/	/
11	622121106026	KAWIN.A.V.A	/	/	/	/	/
12	622121106027	MARIYAPPAN.S	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET


DEPT: B.E.MEDICALELECTRONICS

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC103/ SOLAR PHOTOVOLTICS

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121110011	KABILAN.P	/	/	/	/	/
2	622121110012	KALAIKOVAN.E	/	/	/	/	/
3	622121110013	KAVINILAVU.S	/	/	/	/	/
4	622121110014	KEERTHI.R	/	/	/	/	/
5	622121110015	KEERTHIKA.K	/	/	/	/	/
6	622121110016	KIRIJA.S	/	/	/	/	/
7	622121110017	MADHUMITHA.T	/	/	/	/	/
8	622121110018	MAHESHWARI.G	/	/	/	/	/
9	622121110019	MANIKANDAN.S	/	/	/	/	/
10	622121110020	MANOBHARATHI.P	/	/	/	/	/
11	622121110021	MURUGANANTHAM.M	/	/	/	/	/
12	622121110022	NAGESHWARI.S	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E. MCT

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC103/ SOLAR PHOTOVOLTICS

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121108016	JAVITH.N	/	/	/	/	/
2	622121108017	KALAIVANAN.K	/	/	/	/	/
3	622121108018	KANNAN.A	/	/	/	/	/
4	622121108019	KARTHIK.A	/	/	/	/	/
5	622121108020	KISHORE.B	/	/	/	/	/
6	622121108021	MERVIN.M	/	/	/	/	/
7	622121108022	MIDHUN.S	/	/	/	/	/
8	622121108023	MUHAMMAD MUSTHAFA	/	/	/	/	/
9	622121108024	MURALI.S	/	/	/	/	/
10	622121108025	MUTHUPANDI.M	/	/	/	/	/
11	622121108026	PRADEEP.S	/	/	/	/	/
12	622121108027	PRANAVU K PRASAD	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.Tech FOOD TECHNOLOGY

YEAR/SEM: 1/1

NAME OF THE COURSE: 21GEVC103/ SOLAR PHOTOVOLTICS

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121203001	ABHIMANYU VINOD .V	/	/	/	/	/
2	622121203002	ABISH CARMEL.D	/	/	/	/	/
3	622121203003	AKSHAYA.S	/	/	/	/	/
4	622121203004	ANBU SELVAM.H	/	/	/	/	/
5	622121203005	ARAVINDHAN.K	/	/	/	/	/
6	622121203006	ARIVAZHAGAN.G	/	/	/	/	/
7	622121203007	ARUL JOTHI.M.S	/	/	/	/	/
8	622121203008	BARATH.T	/	/	/	/	/
9	622121203009	BHAVADHARANI.J.P	/	/	/	/	/
10	622121203010	CYRIL PRASANNA.M	/	/	/	/	/
11	622121203011	DEVARAJAN.M	/	/	/	/	/
12	622121203012	DEVATHA SRI.D	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.Tech IT

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC103/ SOLAR PHOTOVOLTICS

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121202001	ABINAYA.S	/	/	/	/	/
2	622121202002	AHMED AL AMEEN.S	/	/	/	/	/
3	622121202003	AKASH.S	/	/	/	/	/
4	622121202004	AMRUTHPRASATH.S.R	/	/	/	/	/
5	622121202005	ARUNACHALAM.A	/	/	/	/	/
6	622121202006	BHARATH.N	/	/	/	/	/
7	622121202007	CHANDRU.R	/	/	/	/	/
8	622121202008	DHANALAKSHMI.K	/	/	/	/	/
9	622121202009	DHANUSH RAJ.L	/	/	/	/	/
10	622121202010	DHANUSH.U	/	/	/	/	/
11	622121202011	DHARSHAN.A	/	/	/	/	/
12	622121202012	DHIVYA.M	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E. CSE A

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC103/ SOLAR PHOTOVOLTICS

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121104011	ASWINRAAJ.S.V	/	/	/	/	/
2	622121104012	BALAJI.T	/	/	/	/	/
3	622121104013	BALAKRISHNAN.R	/	/	/	/	/
4	622121104014	BHARATHKRISHNAN.J	/	/	/	/	/
5	622121104015	BOOMATHI.B	/	/	/	/	/
6	622121104016	CHALLA VAMSIREDDY	/	/	/	/	/
7	622121104017	CHANDRAMADHAN.V	/	/	/	/	/
8	622121104018	DEEPAN.R	/	/	/	/	/
9	622121104019	DEVADARSHINI.S	/	/	/	/	/
10	622121104020	DHANALAKSHMI.S	/	/	/	/	/
11	622121104021	DHANUSH.A	/	/	/	/	/
12	622121104022	DHIVAKAR.S	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET


DEPT: B.E. AGRI

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC103/SOLAR PHOTOVOLTICS

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121102058	NIRANJANI.S	/	/	/	/	/
2	622121102059	NIRMAL KUMAR.J	/	/	/	/	/
3	622121102060	NISHAPRIYA.V	/	/	/	/	/
4	622121102061	PACHAMUTHU.P	/	/	/	/	/
5	622121102062	PRADEEPA.M.S	/	/	/	/	/
6	622121102063	PRADHAP.M	/	/	/	/	/
7	622121102064	PRAKASHRAJ.C	/	/	/	/	/
8	622121102065	PRASATH.K	/	/	/	/	/
9	622121102066	PRAVEEN.G	/	/	/	/	/
10	622121102067	PRAVEEN.R	/	/	/	/	/
11	622121102068	PRAVEENKUMAR.M	/	/	/	/	/
12	622121102069	PRAVEENKUMAR.S	/	/	/	/	/
13	622121102070	PRITHVIRAJ .P	AB	AB	AB	AB	AB


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E. ECE A

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC103/ SOLAR PHOTOVOLTICS

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121105001	AAKASH.K	/	/	/	/	/
2	622121105002	AASHA.P	/	/	/	/	/
3	622121105003	ABDUL MUNAP.S	/	/	/	/	/
4	622121105004	ABINAYA.C	/	/	/	/	/
5	622121105005	ABINESH.S	/	/	/	/	/
6	622121105006	ABISHEK.S	/	/	/	/	/
7	622121105007	AKASH.P	/	/	/	/	/
8	622121105008	AKASH.R	/	/	/	/	/
9	622121105009	ARIHARAN.R	/	/	/	/	/
10	622121105010	ARUN KUMAR.R	/	/	/	/	/
11	622121105011	BALAKRISHNAN.V	/	/	/	/	/
12	622121105012	BALASUBRAMANIAM.S	/	/	/	/	/


COURSE COORDINATOR


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Science and Humanities

CERTIFICATE

This is to certify that

V.BALAKRISHNAN

of Paavai Engineering College, studying in first year Electronic communication Engineering has successfully completed the value added course **21GEVC103 SOLAR PHOTOVOLTIC** the duration of the course is 30 hours (**15.09.2021 to 19.09.2021**).

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

T.JANA

of Paavai Engineering College, studying in first year Electrical and electronic Engineering has successfully completed the value added course **21GEVC103 SOLAR PHOTOVOLTAIC** the duration of the course is 30 hours (15.09.2021 to 19.09.2021).

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

R.KEERTHI

of Paavai Engineering College, studying in first year Medical Electronics Engineering has successfully completed the value added course **21GEVC103 SOLAR PHOTOVOLTIC** the duration of the course is 30 hours (**15.09.2021 to 19.09.2021**).

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

T.BHARATHH

of Paavai Engineering College, studying in first year Food Technology has successfully completed the value added course **21GEVC103 SOLAR PHOTOVOLTIC** the duration of the course is 30 hours (**15.09.2021 to 19.09.2021**).

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

R.CHANDRU

of Paavai Engineering College, studying in first year Information Technology has successfully completed the value added course **21GEVC103 SOLAR PHOTOVOLTIC** the duration of the course is 30 hour (**15.09.2021 to 19.09.2021**).

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE
(Autonomous)
DEPARTMENT OF SCIENCE AND HUMANITIES
VALUE ADDED COURSE
21GEVC104 - HUMAN RIGHTS
(Online mode)

About The Course:

Human Rights is all about human rights which create equality among all citizens irrespective of the differences such as caste, religion, gender, race etc. These rights are fundamental to all citizens and are given under the constitution of India. The course is designed to impart knowledge and practical ability about the rights and directive principles that are provided to all citizens of India. The course consists of areas such as Human Rights: Evolution, Human Rights: Concepts and Human Rights: Concerns.



INTENDED AUDIENCE:



- All the first year of B.E., B.Tech Students

Open link:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZTkwnjVhM2MtNTZkZS00ZDI0LWExMGMtYjhhNjYzYTMxYzhi%40thread.v2/0?context=%7b%22Tid%22%3a%220e12e443-9474-407f-a440-2c8f3f1bac5b%22%2c%22Oid%22%3a%22d3d1f784-26f8-4f80-8b80-262ebaab37de%22%7d

Course Coordinators:

1. Mr. N. Vijayanand ASP/Chemistry
2. Dr. N. Dhanabalan, ASP/ Chemistry
3. Mr. A. Jeeva, AP/ Chemistry
4. Dr. D. Rajamanickam., AP/ Chemistry

21GEVC104

HUMAN RIGHTS

COURSE OBJECTIVES

To enable the students to

- acquire knowledge on human rights
- understand the different concept of human rights
- know the relation of human rights with environment

UNIT I HUMAN RIGHTS 6

An Introduction to Human Rights, Meaning, concept and development, Three Generations of Human Rights (Civil, Political, Economic, Social and Cultural Rights)

UNIT II HUMAN RIGHTS AND UNITED NATION 6

Contributions, main human rights related organs UNESCO, UNICEF, WHO, Declarations for women and children, Universal Declaration of Human Rights.

UNIT III HUMAN RIGHTS IN INDIA 6

Fundamental rights and Indian Constitution, Rights for children and women, Scheduled Castes, Scheduled Tribes, Other Backward Castes and Minorities

UNIT IV ENVIRONMENT AND HUMAN RIGHTS 6

Right to Clean Environment and Public Safety: Issues of Industrial Pollution, Prevention, Rehabilitation and Safety Aspect of Chemical and Nuclear Technology.

UNIT V CONSERVATION OF RESOURCES AND HUMAN RIGHTS 6

Reports, Case studies and policy formulation. Conservation issues of western ghats-mention Gadgil committee report, Kasthuriangan report.

Internal: Field study

Visit to a local tribal area to document the recent case study on tribal human rights

Visit a local polluted site by the industry and document on rehabilitation issues.

TOTAL: 30 PERIODS

COURSE OUTCOMES

After completing the course, the student will be able,

- to apply the human rights provision on an issue
- to get exposure on universal human rights
- to prepare a draft on environment and human rights case studies

REFERENCES

1. Chatrath, K.J.S., (3ed.), Education for Human Rights and Democracy (Shimla: Indian Institute of Advanced Studies, 1998).
2. Shireesh Pal Singh, Human Rights Education in 21st Century, Discovery Publishing House Pvt. Ltd., New Delhi,
3. United Nations Development Programme, Human Development Report 2004: Cultural Liberty in Today's Diverse World, New Delhi: Oxford University Press, 2004.



ANNA ENGINEERING COLLEGE, NAMAKAL-637018
(As Autonomous Institution - Affiliated to Anna University, Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date:03.09.2021

CIRCULAR

The Department has started a Five Day Training Course on **Human Rights** for our first year students from 15.09.2021 to 19.09.2021. Those who are Interested can register their names to the course coordinator Dr.N.Dhanabalan Associate Professor/Chemistry on or before 10.09.2022.

Course coordinator: 1) Dr.N.Dhanabalan / ASP/Chemistry


HOD

Copy to:

- 1) All Students
- 2) Notice board

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. ELECTRICAL AND ELECTRONICS ENGINEERING

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC104/ HUMAN RIGHTS

S.No	Reg.No	Name	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121106001	AAKASH.S	/	/	/	/	/
2	622121106002	AKASH.M	/	/	/	/	/
3	622121106003	AMUDHAWAN.S	/	/	/	/	/
4	622121106004	ARUNACHALAM.E	/	/	/	/	/
5	622121106005	BHARATH.M	/	/	/	/	/
6	622121106006	DEEPAKKUMAR.V	/	/	/	/	/
7	622121106007	DHINESH.A	AB	AB	AB	AB	AB
8	622121106008	DINAKARAN.A	/	/	/	/	/
9	622121106009	EMMAN VEL.G	/	/	/	/	/
10	622121106010	GAYATHRI.R	/	/	/	/	/
11	622121106011	GOKUL.S.S	/	/	/	/	/
12	622121106012	HARIHARAN.V.B	/	/	/	/	/
13	622121106013	HARIHARASUDHAN.S	/	/	/	/	/
14	622121106014	HARINATH.J	/	/	/	/	/
15	622121106015	HARISH.S	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. MECHANICAL ENGINEERING

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC104/HUMAN RIGHTS

S.No	Reg.No	Name	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121107016	GOKUL.G	/	/	/	/	/
2	622121107017	GOKULRAJ.V	/	/	/	/	/
3	622121107018	HARIHARAN.M	/	/	/	/	/
4	622121107019	HEMAHARIDHA.J	/	/	/	/	/
5	622121107020	JAGADEESHAN.P	/	/	/	/	/
6	622121107021	JOTHIKRISHNA.S. J	/	/	/	/	/
7	622121107022	KALAISELVAN.K	/	/	/	/	/
8	622121107023	KANDHASAMY.T	/	/	/	/	/
9	622121107024	KAVINKUMAR.G	/	/	/	/	/
10	622121107025	KAVIYARASAN.S	/	/	/	/	/
11	622121107026	KISHORE.M	/	/	/	/	/
12	622121107027	KISHORE.R	/	/	/	/	/
13	622121107028	KUMARAN.N	/	/	/	/	/
14	622121107029	MANOJKUMAR.P	/	/	/	/	/
15	622121107030	MOHAN.A	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.Tech MECHATRONICS

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC104/ HUMAN RIGHTS

S.No	Reg.No	Name	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121108031	RAGHUL BABU.B	/	/	/	/	/
2	622121108032	RAGUL.N	/	/	/	/	/
3	622121108033	RANJITH.S	/	/	/	/	/
4	622121108034	SANGAMESHWAR KAVIN.G	/	/	/	/	/
5	622121108035	SANJIV.D	/	/	/	/	/
6	622121108036	SATHEESH KUMAR.P	/	/	/	/	/
7	622121108037	SEKAR.M	AB	AB	AB	AB	AB
8	622121108038	SHEIK MUSTHAFA.K	/	/	/	/	/
9	622121108039	SRIDHARAN.L	/	/	/	/	/
10	622121108040	SRINIVINTHRAJ.M	/	/	/	/	/
11	622121108041	SUBASH.A	/	/	/	/	/
12	622121108042	SURIYA.S	/	/	/	/	/
13	622121108043	UDHAYANANTH.J	/	/	/	/	/
14	622121108044	VIKNESH.G	/	/	/	/	/
15	622121108045	VISHNU.K	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E. BIOMEDICAL ENGINEERING

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC104/ HUMAN RIGHTS

S.No	Reg.No	Name	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121109001	AATHISH.T	/	/	/	/	/
2	622121109002	ABINAYA.G	/	/	/	/	/
3	622121109003	AJAY.R	/	/	/	/	/
4	622121109004	ARIHARAN.V	/	/	/	/	/
5	622121109005	ARUN KUMAR.R	/	/	/	/	/
6	622121109006	ARUN.C	/	/	/	/	/
7	622121109007	BADRINATH.V	/	/	/	/	/
8	622121109008	BARATH.A	/	/	/	/	/
9	622121109009	BHUVANESHWARAN.S	/	/	/	/	/
10	622121109010	BHUVANESHWARI.T	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E.MEDICAL ELECTRONICS

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC104/ HUMAN RIGHTS

S.No	Reg.No	Name	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121110001	AKASH.M	/	/	/	/	/
2	622121110002	AKASHPRATHAP.A	/	/	/	/	/
3	622121110003	ARTHI.K	/	/	/	/	/
4	622121110004	ATUL SESHADRI.K.S.D	/	/	/	/	/
5	622121110005	DEIVANA.M	/	/	/	/	/
6	622121110006	DHANUSH.M	/	/	/	/	/
7	622121110007	DHIVAKAR.S	/	/	/	/	/
8	622121110008	GEETHANJALI.C	/	/	/	/	/
9	622121110009	HARINI.K	/	/	/	/	/
10	622121110010	JAGADEESHWARAN.V	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E.CIVILENGINEERING

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC104/ HUMAN RIGHTS

S.No	Reg.No	Name	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121103001	AKALYA.T	/	/	/	/	/
2	622121103002	AKASH.R	/	/	/	/	/
3	622121103003	ASWIN.P	/	/	/	/	/
4	622121103004	BALASRIKANTH .B	/	/	/	/	/
5	622121103005	DEEPAUK.R.D	/	/	/	/	/
6	622121103006	DHANUSH.L	/	/	/	/	/
7	622121103007	GAJENDIRAN.E	/	/	/	/	/
8	622121103008	GOMATHI.S	/	/	/	/	/
9	622121103009	GOVINDARAJ.G	/	/	/	/	/
10	622121103010	JAISURYA.S	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. CSE A

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC104/ HUMAN RIGHTS

S.No	Reg.No	Name	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121104001	ABINAYA.R	/	/	/	/	/
2	622121104002	AARTHI.S	/	/	/	/	/
3	622121104003	ABINASH.R	/	/	/	/	/
4	622121104004	ABISHEK.S	/	/	/	/	/
5	622121104005	ADHITHAN.J	/	/	/	/	/
6	622121104006	AKASH.R	/	/	/	/	/
7	622121104007	AKASH.S	/	/	/	/	/
8	622121104008	ARUNPRABU.K	/	/	/	/	/
9	622121104009	ASIF AHAMED.K	/	/	/	/	/
10	622121104010	ASMITHA.K	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. CSE B

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC104/ HUMAN RIGHTS

S.No	Reg.No	Name	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121104066	NAVEEN ADHITHYA.P	/	/	/	/	/
2	622121104067	NAVEEN.J	/	/	/	/	/
3	622121104068	NAVEENKUMAR.V	/	/	/	/	/
4	622121104069	NISHA.R	/	/	/	/	/
5	622121104070	NITHESH.S	/	/	/	/	/
6	622121104071	NITHISH.G	/	/	/	/	/
7	622121104072	PAVITHRA.S	/	/	/	/	/
8	622121104073	POOJA.M	/	/	/	/	/
9	622121104074	POORNIMA.R	/	/	/	/	/
10	622121104075	POWTHRA.S	/	/	/	/	/


COURSE COORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. AGRI

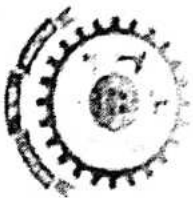
YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC104/ HUMAN RIGHTS

S.NO	R.No	STUDENT NAME	15.09.21	16.09.21	17.09.21	18.09.21	19.09.21
1	622121102001	AJAY.S	/	/	/	/	/
2	622121102002	ANBUMOZHI.G	/	/	/	/	/
3	622121102003	ARIVAZHAGAN.S	/	/	/	/	/
4	622121102004	ARULKUMAR.A	/	/	/	/	/
5	622121102005	AVANDHIKA.M	/	/	/	/	/
6	622121102006	BALAMANI.N	/	/	/	/	/
7	622121102007	BHRINDA.B	/	/	/	/	/
8	622121102008	DARSHAN.K	/	/	/	/	/
9	622121102009	DEEPAK.V	/	/	/	/	/
10	622121102010	DHANUSH RAM.B	/	/	/	/	/
11	622121102011	DHARANI.D	/	/	/	/	/
12	622121102012	DHINAKARAN.P	AB	AB	AB	AB	AB
13	622121102013	DHIVYA.P	/	/	/	/	/
14	622121102014	DIVYA PRIYA.S	/	/	/	/	/
15	622121102015	DIVYAPRIYA.P	/	/	/	/	/
16	622121102016	ELAMATHI.V	/	/	/	/	/
17	622121102017	GOKULAVASAN.P	/	/	/	/	/
18	622121102018	GOPIKRISHNAN.R	/	/	/	/	/
19	622121102019	GOWTHAMI.S	/	/	/	/	/
20	622121102020	HARIHARAN.P	/	/	/	/	/


COURSE COORDINATOR


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Science and Humanities

CERTIFICATE

This is to certify that

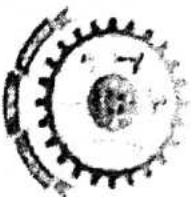
M.AKASH

of Paavai Engineering College, studying in first year Electrical and Electronics Engineering has successfully completed the value added course **21GEVC104 HUMAN RIGHTS** the duration of the course is 30 hours (15.09.2021 to 19.09.2021).

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

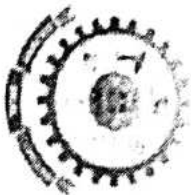
G,GOKUL

of Paavai Engineering College, studying in first year Mechanical Engineering has successfully completed the value added course **21GEVC104 HUMAN RIGHTS** the duration of the course is 30 hours (**15.09.2021 to 19.09.2021**).

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

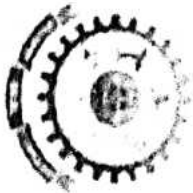
R.AJAY

of Paavai Engineering College, studying in first year Biomedical Engineering has successfully completed the value added course **21GEVC104 HUMAN RIGHTS** the duration of the course is 30 hours (**15.09.2021 to 19.09.2021**).

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

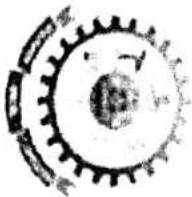
P.ASWIN

of Paavai Engineering College, studying in first year Civil Engineering has successfully completed the value added course **21GEVC104 HUMAN RIGHTS** the duration of the course is 30 hours (**15.09.2021 to 19.09.2021**).

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

S.NISHA

of Paavai Engineering College, studying in first year Computer Science Engineering has successfully completed the value added course **21GEVC104 HUMAN RIGHTS** the duration of the course is 30 hours (**15.09.2021 to 19.09.2021**).

Course Coordinator

HOD

Principal

PAAVAI ENGINEERING COLLEGE
(Autonomous)
DEPARTMENT OF SCIENCE AND HUMANITIES
VALUE ADDED COURSE
21GEVC201 – EFFECTIVE COMMUNICATION
(Online mode)

About The Course:

The effective Communication course is a bridge course to the students to refresh their grammar and the professional writing like resume building. This syllabus includes many group activities like public speaking, group discussion. Effective communication is the use of grammar and language to convey a message. It involves communication skills, group discussion and resume building.



INTENDED AUDIENCE:



- All the first year of B.E., B.Tech Students

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.Mrs.R.Shanthi ASP/English
- 2.Mr.M.E.Hariharan AP/English
3. Ms. S.Archana, AP/English
4. Mr. D.Kuamar, AP/English
5. Mr V.Rogan Antony, AP/English

COURSE OBJECTIVES

To enable students to

- recognize and understand the meaning of grammatical structures in Spoken and written form.
- acquire adequate listening skills in order to comprehend and communicate effectively.
- develop speaking skills using communication strategies to participate in group and individual forum.
- equip with necessary reading skills to make inferences and predictions and to develop speed reading.
- develop writing skills that will enable to produce scholarly texts.

UNIT I	6
---------------	----------

Noun- Pronoun – Auxiliary Verbs (Primary & Modal) – Adverbs –Adjectives – Articles – Preposition – Conjunction – Tense Forms of Verbs – Subject Verb Agreement.

UNIT II	6
----------------	----------

Form Completion – Multiple Choice – Short Answer – Sentence Completion – Matching – Plan/Map/Diagram Labelling – Note Completion.

UNIT III	6
-----------------	----------

Getting to Know – Short Conversation – Describing Personalities – Just a minute Talk – Visual interpretation – Group Discussion.

UNIT IV	6
----------------	----------

Reading Comprehension – Reading Articles – Story Reading – Reading Newspapers- Reading Autobiography – Reading Interviews

UNIT V	6
---------------	----------

Picture Description – Developing Hints – Story Writing – General Passage Writing – Resume Writing- Spotting Errors and rewriting the Passages.

TOTAL PERIODS	30
----------------------	-----------

COURSE OUTCOMES

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

- develop writing skills that will enable to produce scholarly texts.
- restate content of a listening passage orally and in writing.
- speak comprehensibly and express opinions and support them with examples and facts.
- summarize and Paraphrase information in a text.
- produce coherent and unified paragraphs with adequate support and detail.

TEXT BOOKS

1. Murphy, Raymond, “Essential Grammar in Use”, Cambridge University Press, UK, 2007
2. Whitby, Norman, “Business Benchmark Pre- Intermediate to Intermediate Preliminary”, 2nd ed., Cambridge University Press, 2013.

REFERENCES

1. Jakeman, Vanessa. “Insight into IELTS extra with Answers”, Cambridge University Press, 2003.



ANNA ENGINEERING COLLEGE, NAMAKKAL-637018

(As Autonomous Institution - Affiliated to Anna University, Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date: 07.01.2022

CIRCULAR

The Department has started a Five Day Training Course on Effective Communication for our first year students from 17.01.2022 to 21.01.2022. Those who are Interested can register their names to the course coordinator Mr. M.E. Hariharan, Assistant Professor/English on or before 10.01.2022.

Course coordinator: 1) Mr. M.E.Hariharan AP/English.


HOD

Copy to:

- 1) All Students
- 2) Notice board

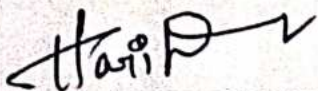
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E PHARMA

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC201/ EFFECTIVE COMMUNICATION

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121204001	ABI.A	/	/	/	/	/
2	622121204002	ABIKOIL.V	/	/	/	/	/
3	622121204003	ABITHA.S	/	/	/	/	/
4	622121204004	AKILAN.K	/	/	/	/	/
5	622121204005	AZHAGU JOTHI.M	/	/	/	/	/
6	622121204006	BHARATHI.S	/	/	/	/	/
7	622121204007	CHANDRU.V	/	/	/	/	/
8	622121204008	DEEPA.N	/	/	/	/	/
9	622121204009	DHARSHINI.S	/	/	/	/	/
10	622121204010	DHINESH KUMAR.R	/	/	/	/	/
11	622121204011	ELAVARASI.M	/	/	/	/	/
12	622121204012	GOKULKANNAN.K	/	/	/	/	/
13	622121204013	GOPINATH.C	/	/	/	/	/
14	622121204014	GOWRISANKAR.V	/	/	/	/	/
15	622121204015	GOWTHAM.M	/	/	/	/	/
16	622121204016	GUGANRAJ.E	/	/	/	/	/
17	622121204017	GUNASEKARAN.M	/	/	/	/	/
18	622121204018	HEMANATH.S	/	/	/	/	/
19	622121204019	JAMUNARANI.R	/	/	/	/	/
20	622121204020	JANARDHANAN.S	/	/	/	/	/
21	622121204021	JAYASURYA.R	/	/	/	/	/
22	622121204022	JEEVA.S	/	/	/	/	/


COURSE CO ORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

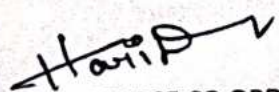
ATTENDANCE SHEET

DEPT: B.E ECE- B

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC201/ EFFECTIVE COMMUNICATION

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121105098	SARAN.R	/	/	/	/	/
2	622121105099	SATHISH.S	/	/	/	/	/
3	622121105100	SATHISHKUMAR.C	/	/	/	/	/
4	622121105101	SELVAARASU.S	/	/	/	/	/
5	622121105102	SHAM SUNDAR.S	/	/	/	/	/
6	622121105103	SHAMEEM AKTHAR.M	/	/	/	/	/
7	622121105104	SIVA MATHESH.S	/	/	/	/	/
8	622121105105	SIVA.S	/	/	/	/	/
9	622121105106	SIVANESHWARAN.M	/	/	/	/	/
10	622121105107	SRI SABARI.S	/	/	/	/	/
11	622121105108	SRIJEYAN.S	/	/	/	/	/
12	622121105109	SRIKANTH.J	/	/	/	/	/
13	622121105110	SRINATH.S	/	/	/	/	/
14	622121105111	SRITHAR.S	/	/	/	/	/
15	622121105112	SURESHRAJ.T	AB	AB	AB	AB	AB
16	622121105113	SWETHA.S	/	/	/	/	/
17	622121105114	TAMILARASAN.R	/	/	/	/	/
18	622121105115	TAMILMANI.T	/	/	/	/	/
19	622121105116	TAMILSELVAN.A	/	/	/	/	/
20	622121105117	TAMILVANAN.K	/	/	/	/	/



COURSE CO ORDINATOR


HOD

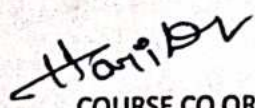
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E MECHANICAL

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC201/ EFFECTIVE COMMUNICATION

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121107016	GOKUL.G	/	/	/	/	/
2	622121107017	GOKULRAJ.V	/	/	/	/	/
3	622121107018	HARIHARAN.M	/	/	/	/	/
4	622121107019	HEMAHARIDHA.J	/	/	/	/	/
5	622121107020	JAGADEESHAN.P	/	/	/	/	/
6	622121107021	JOTHIKRISHNA.S. J	/	/	/	/	/
7	622121107022	KALAISELVAN.K	/	/	/	/	/
8	622121107023	KANDHASAMY.T	/	/	/	/	/
9	622121107024	KAVINKUMAR.G	/	/	/	/	/
10	622121107025	KAVIYARASAN.S	/	/	/	/	/
11	622121107026	KISHORE.M	/	/	/	/	/
12	622121107027	KISHORE.R	/	/	/	/	/
13	622121107028	KUMARAN.N	/	/	/	/	/
14	622121107029	MANOJKUMAR.P	/	/	/	/	/
15	622121107030	MOHAN.A	AB	AB	AB	AB	AB
16	622121107031	MUGILRAJ.M	/	/	/	/	/
17	622121107032	MUGUNTHAN.A	/	/	/	/	/
18	622121107033	MUHESH BHARATHI.R	/	/	/	/	/
19	622121107034	MUTHU.M	/	/	/	/	/
20	622121107035	NALIN.T	/	/	/	/	/


COURSE CO ORDINATOR


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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E.EEE

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC201/ EFFECTIVE COMMUNICATION

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121106028	MEYYARASAN.M	/	/	/	/	/
2	622121106029	NANDHAKUMAR.S	/	/	/	/	/
3	622121106030	NATHIYA.S	/	/	/	/	/
4	622121106031	NAVEENKUMAR.S	/	/	/	/	/
5	622121106032	NISANTH ARYHA.S.P	/	/	/	/	/
6	622121106033	NISHA.A	/	/	/	/	/
7	622121106034	NITHISH.R	/	/	/	/	/
8	622121106035	PONNUSAMY.R	/	/	/	/	/
9	622121106036	PONRAKESH.S	/	/	/	/	/
10	622121106037	POOJA.N	/	/	/	/	/
11	622121106038	PRABU.M	/	/	/	/	/
12	622121106039	PRASANTH KUMAR.M	/	/	/	/	/
13	622121106040	PRATHAP.E	/	/	/	/	/
14	622121106041	PRAVEEN.S	/	/	/	/	/
15	622121106042	PRAVEENKANTH.R	/	/	/	/	/
16	622121106043	PRIYADHARSHINI.A	/	/	/	/	/
17	622121106044	RAJESHKUMAR.M	/	/	/	/	/
18	622121106045	RAVICHANDRAN.K.S	/	/	/	/	/
19	622121106046	SANJAY.S	/	/	/	/	/
20	622121106047	SANJEW.R	/	/	/	/	/


COURSE CO ORDINATOR


HOD

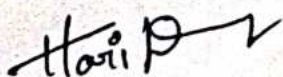
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E CIVIL

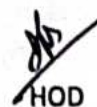
YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC201/ EFFECTIVE COMMUNICATION

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121103011	KARTHIKEYAN.K.P	/	/	/	/	/
2	622121103012	KOWSHIKA.K.E	/	/	/	/	/
3	622121103013	MOHANRAJE	/	/	/	/	/
4	622121103014	MUTHAIYA MURALITHARAN.T	/	/	/	/	/
5	622121103015	NEETHU.G	/	/	/	/	/
6	622121103016	PANDIYARAJAN.M	/	/	/	/	/
7	622121103017	PERIKALA ABHISHEK	/	/	/	/	/
8	622121103018	PRAVEEN.L	/	/	/	/	/
9	622121103019	RAGUL GANDHI.S	/	/	/	/	/
10	622121103020	SABARI.J	/	/	/	/	/
11	622121103021	SANDHIYA.K	/	/	/	/	/
12	622121103022	SARATHI.B	/	/	/	/	/
13	622121103023	SHANMUGA PRIYA.B	/	/	/	/	/
14	622121103024	SIVA.S	/	/	/	/	/
15	622121103025	SUDHA.M	/	/	/	/	/
16	622121103026	VENGATESH PERUMAL	/	/	/	/	/
17	622121103027	VIKRAM.S	/	/	/	/	/
18	622121103028	VISHWA.K	/	/	/	/	/
19	622121103029	YESWANTH.R	/	/	/	/	/
20	622121103030	KEERTHANA.R	/	/	/	/	/



COURSE CO ORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

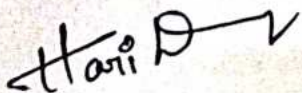
ATTENDANCE SHEET

DEPT: B.TECH FOOD TECHNOLOGY

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC201/ EFFECTIVE COMMUNICATION

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121203045	RANJITHKUMAR.D	/	/	/	/	/
2	622121203046	SABAPATHI.S	/	/	/	/	/
3	622121203047	SAEED.N	/	/	/	/	/
4	622121203048	SAKTHIVEL.S	/	/	/	/	/
5	622121203049	SERAN.V	/	/	/	/	/
6	622121203050	SINDHIYA.P.M	/	/	/	/	/
7	622121203051	SIVA.C	/	/	/	/	/
8	622121203052	SOWNDARYA.A	/	/	/	/	/
9	622121203053	SUJITHA.S	/	/	/	/	/
10	622121203054	THAMIZHMARAN.D	/	/	/	/	/
11	622121203055	VASANTH.B	/	/	/	/	/
12	622121203056	VENGATESH.R	/	/	/	/	/
13	622121203057	VIDHYA SAGAR.V	/	/	/	/	/
14	622121203058	VIGNESH.A	/	/	/	/	/
15	622121203059	VIJAYAVELAN.S	/	/	/	/	/
16	622121203060	VIMALA.D	/	/	/	/	/
17	622121203061	VINOTHKUMAR.M	/	/	/	/	/
18	622121203062	VIZHIYATHAVAN.R	/	/	/	/	/
19	622121203063	YUVARAJAA.M	/	/	/	/	/
20	622121203045	RANJITHKUMAR.D	/	/	/	/	/



COURSE CO ORDINATOR


HOD

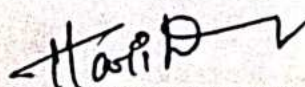
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.TECH IT

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC201/ EFFECTIVE COMMUNICATION

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121202001	ABINAYA.S	/	/	/	/	/
2	622121202002	AHMED AL AMEEN.S	/	/	/	/	/
3	622121202003	AKASH.S	/	/	/	/	/
4	622121202004	AMRUTHPRASATH.S.R	/	/	/	/	/
5	622121202005	ARUNACHALAM.A	/	/	/	/	/
6	622121202006	BHARATH.N	/	/	/	/	/
7	622121202007	CHANDRU.R	/	/	/	/	/
8	622121202008	DHANALAKSHMI.K	/	/	/	/	/
9	622121202009	DHANUSH RAJ.L	/	/	/	/	/
10	622121202010	DHANUSH.U	/	/	/	/	/
11	622121202011	DHARSHAN.A	/	/	/	/	/
12	622121202012	DHIVYA.M	/	/	/	/	/
13	622121202013	DINESHRAM.K	/	/	/	/	/
14	622121202014	ESWAR.C	/	/	/	/	/
15	622121202015	ESWARAN.S	/	/	/	/	/
16	622121202016	GANESHA.R.S	/	/	/	/	/
17	622121202017	GOBI.N	/	/	/	/	/
18	622121202018	GOKUL RAJ .B	/	/	/	/	/
19	622121202019	GOKULNATH.S	/	/	/	/	/
20	622121202020	HARISH.A	/	/	/	/	/


COURSE CO ORDINATOR


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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

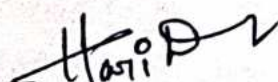
ATTENDANCE SHEET

DEPT: B.TECH AGRI

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC201/ EFFECTIVE COMMUNICATION

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121102041	LAVANYA.R	/	/	/	/	/
2	622121102042	LINGAM.R	/	/	/	/	/
3	622121102043	MADHAN PRASANTH.D	/	/	/	/	/
4	622121102044	MAMALLAN.R	/	/	/	/	/
5	622121102045	MANISHARMA.R	/	/	/	/	/
6	622121102046	MAYAKANNAN.K	/	/	/	/	/
7	622121102047	MIDHUNRAJ.R	/	/	/	/	/
8	622121102048	MOHAMED FAIZAL.A	/	/	/	/	/
9	622121102049	MONISHA.S	/	/	/	/	/
10	622121102050	MONISSH.S.R	/	/	/	/	/
11	622121102051	MOUNIKA.M	/	/	/	/	/
12	622121102052	MUTHU PRIYA.M	/	/	/	/	/
13	622121102053	NANDHINI.A	/	/	/	/	/
14	622121102054	NANDHINI.K	/	/	/	/	/
15	622121102055	NARESH.J	/	/	/	/	/
16	622121102056	NAVEEN KUMAR.S	/	/	/	/	/
17	622121102057	NAVEENA NAVA BHARATHI.P.T	/	/	/	/	/
18	622121102107	JAYASHANTHI.M	/	/	/	/	/



COURSE CO ORDINATOR



HOD

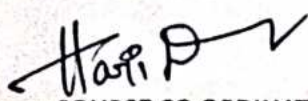
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET


DEPT: B.E CYBER SECURITY

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC201/ EFFECTIVE COMMUNICATION

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121111001	AKASH.K	/	/	/	/	/
2	622121111002	ANISH.U	/	/	/	/	/
3	622121111003	ARULKUMAR.S	/	/	/	/	/
4	622121111004	ARUN.R	/	/	/	/	/
5	622121111005	BALA.P	/	/	/	/	/
6	622121111006	BALAMANIKANDAN.M	/	/	/	/	/
7	622121111007	BHARANIDHARAN.S	/	/	/	/	/
8	622121111008	BHUVANESWARAN.B	/	/	/	/	/
9	622121111009	DHANUSH.M	/	/	/	/	/
10	622121111010	DHARANI.D	/	/	/	/	/
11	622121111011	DHARMARAJ.D	/	/	/	/	/
12	622121111012	DHARSINI.R	/	/	/	/	/
13	622121111013	DHINAKARAN.S	/	/	/	/	/
14	622121111014	DURGADEVI.S	/	/	/	/	/
15	622121111015	ELAMPARITHI.S	/	/	/	/	/
16	622121111016	GOKUL.R	/	/	/	/	/
17	622121111017	GOKULNATH.S	/	/	/	/	/
18	622121111018	GOWTHAM.A	/	/	/	/	/
19	622121111019	HARIHARAN.S	/	/	/	/	/
20	622121111020	HARIKRISHNAN.R	/	/	/	/	/


COURSE CO ORDINATOR


HOD



PAAVAI ENGINEERING COLLEGE (Autonomous)

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

Department of Science and Humanities

This is to certify that

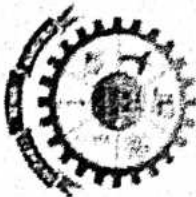
D.SAEED

of Paavai Engineering College, studying in first year Food Technology has successfully completed the value added course **21GEVC201 EFFECTIVE COMMUNICATION** the duration of the course is 30 hours **(17.01.2022 to 21.01.2022)**.

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

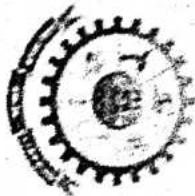
L.PRAVEEN

of Paavai Engineering College, studying in first year Civil Engineering has successfully completed the value added course **21GEVC201 EFFECTIVE COMMUNICATION** the duration of the course is 30 hours **(17.01.2022 to 21.01.2022)**.

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

N.POOJA.

of Paavai Engineering College, studying in first year Electrical and Electronics Engineering has successfully completed the value added course **21GEVC201 EFFECTIVE COMMUNICATION** the duration of the course is 30 hours **(17.01.2022 to 21.01.2022).**



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

G.GOKUL

of Paavai Engineering College, studying in first year Mechanical Engineering has successfully completed the value added course **21GEVC201 EFFECTIVE COMMUNICATION** the duration of the course is 30 hours (**17.01.2022 to 21.01.2022**).

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

S. SIVA


of Paavai Engineering College, studying in first year Electronics and Communication Engineering has successfully completed the value added course **21GEVC201 EFFECTIVE COMMUNICATION** the duration of the course is 30 hours **(17.01.2022 to 21.01.2022)**.



Course Coordinator



HOD



Principal

PAAVAI ENGINEERING COLLEGE
(Autonomous)
DEPARTMENT OF SCIENCE AND HUMANITIES
21GECV202- APTITUDE-II
(Online mode)

About The Course:

The aim of the course is to improve the students' Quantitative Abilities and to demonstrate sound knowledge of fundamentals of Arithmetic Quantitative abilities and Data interpretation and data sufficiency. As the professional world needs the students with the IQ in the basics of mathematical and logical abilities, this course has been kept to help the students in their beginning years of their main course as an optional subject. This course was initiated by viewing the importance of this subject In the professional world.



INTENDED AUDIENCE:



- All the first year of B.E., B.Tech Students

Open link:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZTkwNjVhM2MtNTZkZS00ZDI0LWExMGMtYjhhNjYzYTMxY

zhi%40thread.v2/0?context=%7b%22Tid%22%3a%220e12e443-9474-407f-a440-2c8f3f1bac5b%22%2c%22Oid%22%3a%22d3d1f784-26f8-4f80-8b80-262ebaab37de%22%7d

Course Coordinators:

- 1.Mr.N.Vijayanand ASP/Chemistry
- 2.Mr. A.Jeeva, AP/ Chemistry
3. Dr.N.Dhanabalan, ASP/ Chemistry
4. Dr.D.Rajamanickam., AP/ Chemistry

21GECV202	APTITUDE-II						
OBJECTIVES							
To enable the students to							
<ul style="list-style-type: none">Understand the relevance and need for basics of Arithmetic Quantitative Abilities							
<ul style="list-style-type: none">Demonstrate sound knowledge of advanced concepts of Algebra.							
<ul style="list-style-type: none">Develop a satisfactory competency of Data interpretation and data sufficiency.							
UNIT I	ARITHMETIC-II						12
Ratios & Proportions, Averages, Mixtures & Solutions, Time, Speed & Distance, Time & Work							
UNIT I	ALGEBRA-II						9
Sets & Functions, Sequences & Series - Quadratic Equations, Linear equations & inequalities							
UNIT III	GEOMETRY & DATA INTERPRETATION						9
2D Geometry, Trigonometry, Mensuration- Data Interpretation, Data Sufficiency							
				TOTAL PERIODS:		30	
OUTCOMES							
At the end of the course, the students will be able to							
<ul style="list-style-type: none">interpret the relevance and need for basics of Arithmetic Quantitative Abilities							
<ul style="list-style-type: none">apply the advanced concepts of Algebra.							
<ul style="list-style-type: none">Analyze the competency of Data interpretation and data sufficiency.							

TEXT BOOKS	
1.	Agarwal.R.S – Quantitative Aptitude for Competitive Examinations, S.Chand Limited 2017
2.	Ran Mohan Pandey, General Aptitude Theory and Practice, Pathfinder Publication,2020
REFERENCE BOOKS	
1.	Sijwali.B.S,Indu Sijwali,Verbal & Analytical Reasoning, Arihant Publications Limited, 2014.
2.	Arun Sharma, How to prepare for Quantitative Aptitude for CAT, McGraw Hill Education Private Limited, New Delhi, 2003.
3.	Rajesh Verma, Fast Track Objective Arithmetic, Arihant Publications Limited,2018
4.	Edgar Thrope, Test of Reasoning for Competitive Examinations, Tata McGraw Hill, 4th Edition, 2012.



PAAVAI ENGINEERING COLLEGE, NAMAKAL-637018
(As Autonomous Institution - Affiliated to Anna University, Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date: 07.01.2022

CIRCULAR

The Department has started a Five Day Training Course on Aptitude -II for our first year students from 17.01.2022 to 21.01.2022. Those who are Interested can register their names to the course coordinator Mrs.R.Pradeepa, Associate Professor /Maths on or before 10.01.2022.

Course coordinator: 1) Mrs.R.Pradeepa, ASP/Maths.


HOD

Copy to:

- 1) All Students
- 2) Notice board

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E. CSE A

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC202/ APTITUDE – II

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121104058	MANOJKUMAR.M	/	/	/	/	/
2	622121104059	MITHIN.R.C	/	/	/	/	/
3	622121104060	MOHANRAJ.D	/	/	/	/	/
4	622121104061	MOHANRAJ.P	/	/	/	/	/
5	622121104062	MUKESH KUMAR.S	/	/	/	/	/
6	622121104063	NAJLA FARVEEN.J	/	/	/	/	/
7	622121104064	NAMROOTHA.M	/	/	/	/	/
8	622121104065	NARMADA.S.S	/	/	/	/	/


COURSE CO ORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. CSE B

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC102/ APTITUDE - II

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121104111	THAMARAI SELVAN.I	/	/	/	/	/
2	622121104112	THAMIZHARASAN.K	/	/	/	/	/
3	622121104113	THANUJAA.K	/	/	/	/	/
4	622121104114	THOTA MANOJ KUMAR	/	/	/	/	/
5	622121104115	THUPAKULA GANESH	/	/	/	/	/
6	622121104116	TRISHA.S	/	/	/	/	/
7	622121104117	UDHAYARASU.E	/	/	/	/	/
8	622121104118	VARSHINI.M	/	/	/	/	/
9	622121104119	VASANTH.N	/	/	/	/	/
10	622121104120	VASANTHAVELAN.R	/	/	/	/	/
11	622121104121	VIJAY ANAND. M	/	/	/	/	/
12	622121104122	VIMAL. M	/	/	/	/	/
13	622121104123	VINOTH.N	/	/	/	/	/
14	622121104124	VINOTHKUMAR.V	/	/	/	/	/
15	622121104125	VISHAL.S	/	/	/	/	/
16	622121104126	VISHNU SELVAN.D	/	/	/	/	/
17	622121104127	YASHMEEN MUSHRA.H	/	/	/	/	/

R. DLF
COURSE CO ORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.TECH IT

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC102/ APTITUDE - II

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121202033	PREETHI.P	/	/	/	/	/
2	622121202034	PRITHIVIRAJ.P	/	/	/	/	/
3	622121202035	PRIYADHARSHINI.K	/	/	/	/	/
4	622121202036	RAKSHANA.B.N	/	/	/	/	/
5	622121202037	RAMYA SHREE.G	/	/	/	/	/
6	622121202038	REEMA.N	/	/	/	/	/
7	622121202039	SABARIDEVAN. A	/	/	/	/	/
8	622121202040	SABARISH.S	/	/	/	/	/
9	622121202041	SANTHOSHKUMAR.K	/	/	/	/	/
10	622121202042	SARITHA. V	/	/	/	/	/
11	622121202043	SHANMUGAM.D	/	/	/	/	/
12	622121202044	SHARMILA.S	/	/	/	/	/
13	622121202045	SHYAM SUNDAR.V	/	/	/	/	/
14	622121202046	SRIKANTH.M	/	/	/	/	/
15	622121202047	SRINITHI.P	AB	AB	AB	AB	AB
16	622121202048	SRIPRIYAN.C	/	/	/	/	/
17	622121202049	STEPHEN RAJ.R	/	/	/	/	/
18	622121202050	SUJITH.E	/	/	/	/	/
19	622121202051	SURYARAJ.J.G	/	/	/	/	/
20	622121202033	PREETHI.P	/	/	/	/	/

R. D. J.
COURSE CO ORDINATOR

[Signature]
HOD

PAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.TECH FOOD TECHNOLOGY

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC102/ APTITUDE - II

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121203033	LOKESHWARI.A	/	/	/	/	/
2	622121203034	MANISHARMA.D	/	/	/	/	/
3	622121203035	MARIMUTHU.N	/	/	/	/	/
4	622121203036	MOGANAPRIYA.R	/	/	/	/	/
5	622121203037	MOHAMED RASHID.K.H	/	/	/	/	/
6	622121203038	MONISHKUMAR.K	/	/	/	/	/
7	622121203039	MRUTHULA.B	/	/	/	/	/
8	622121203040	NISHA.P	/	/	/	/	/
9	622121203041	PAVITHRA.M	/	/	/	/	/
10	622121203042	PAVITRA SRI.M	/	/	/	/	/
11	622121203043	PRIYAHARSHINI.A	/	/	/	/	/
12	622121203044	PUSHPARAJ.D	/	/	/	/	/
13	622121203045	RANJITHKUMAR.D	/	/	/	/	/
14	622121203046	SABAPATHI.S	AB	AB	AB	AB	AB
15	622121203047	SAEED.N	/	/	/	/	/
16	622121203048	SAKTHIVEL.S	/	/	/	/	/
17	622121203049	SERAN.V	/	/	/	/	/
18	622121203050	SINDHIYA.P.M	/	/	/	/	/
19	622121203051	SIVA.C	/	/	/	/	/
20	622121203052	SOWNDARYA.A	/	/	/	/	/

R. DLF
COURSE CO ORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

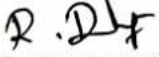
ATTENDANCE SHEET

DEPT: B.E CYBER SECURITY

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC102/ APTITUDE - II

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121111041	PRAVEENKUMAR.A	/	/	/	/	/
2	622121111042	RAGULY.S	/	/	/	/	/
3	622121111043	RAJA.S	/	/	/	/	/
4	622121111044	RAJAMOHAN.R	/	/	/	/	/
5	622121111045	RANJITH.B	/	/	/	/	/
6	622121111046	ROHIT. K	/	/	/	/	/
7	622121111047	SABARISHAN.P	/	/	/	/	/
8	622121111048	SABHAREESH.S	/	/	/	/	/
9	622121111049	SAKTHI.K	/	/	/	/	/
10	622121111050	SALMANKHAN.K	/	/	/	/	/
11	622121111051	SANGAMITHRAN.M	/	/	/	/	/
12	622121111052	SANJAY.P	/	/	/	/	/
13	622121111053	SANTHOSH KUMAR.M	/	/	/	/	/
14	622121111054	SARANRAJ.K	/	/	/	/	/
15	622121111055	SATHISHKUMAR.V	/	/	/	/	/
16	622121111056	SRI CIBI.S	/	/	/	/	/
17	622121111057	SRI SARAN.S	/	/	/	/	/
18	622121111058	SRIPRASANNA.S	/	/	/	/	/
19	622121111059	SUSHMITHA.K	/	/	/	/	/
20	622121111060	TAMILSELVAN.L	/	/	/	/	/
21	622121111061	THARNEESH.S.R	/	/	/	/	/
22	622121111062	THIVAGAR.A.P	/	/	/	/	/
23	622121111063	VINOTH KUMAR.M	/	/	/	/	/


COURSE CO ORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.Tech AGRI B

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC102/ APTITUDE - II

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121102101	VENKATESH.T	/	/	/	/	/
2	622121102102	VIGNESH.M	/	/	/	/	/
3	622121102103	VIGNESH.M	/	/	/	/	/
4	622121102104	VIGNESH.R	/	/	/	/	/
5	622121102105	VINOTH.A	/	/	/	/	/
6	622121102106	VIVEDHA.M	AB	AB	AB	AB	AB
7	622121102107	YAMUNA.M	/	/	/	/	/


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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. CHEMICAL ENGINEERING

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC102/ APTITUDE - II

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121201016	MUKILAN.M	/	/	/	/	/
2	622121201017	NAVEEN.R	/	/	/	/	/
3	622121201018	NIRUTHIYASRI.S	/	/	/	/	/
4	622121201019	POOVIZHI.T	/	/	/	/	/
5	622121201020	PRIYADHARSHINI.P	/	/	/	/	/
6	622121201021	SARAVANAN.R	/	/	/	/	/
7	622121201022	SIVABALAN.P	/	/	/	/	/
8	622121201023	UDHAYAMOORTHY.S	/	/	/	/	/
9	622121201024	VASAN.M	/	/	/	/	/
10	622121201025	VINUVENTHAN.K	/	/	/	/	/
11	622121201026	YASMIN.A	/	/	/	/	/

P. D4
COURSE CO ORDINATOR


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PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET

DEPT: B.E. PHARMACEUTICAL ENGINEERING

YEAR/SEM: I/I

NAME OF THE COURSE: 21GEVC102/ APTITUDE - II

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121204036	PRAVIN KUMAR.S	/	/	/	/	/
2	622121204037	PREMNATH.M	/	/	/	/	/
3	622121204038	RAGHAVI.R	/	/	/	/	/
4	622121204039	RAGU.R	/	/	/	/	/
5	622121204040	RAGULA.A	/	/	/	/	/
6	622121204041	RAGUNATH.S	/	/	/	/	/
7	622121204042	RAGUPATHI.R	/	/	/	/	/
8	622121204043	RAJESHWARI.D	/	/	/	/	/
9	622121204044	ROSI.R	/	/	/	/	/
10	622121204045	SANJAY.R	/	/	/	/	/
11	622121204046	SANTHOSHKUMAR.S	AB	AB	AB	AB	AB
12	622121204047	SARATHI.R	/	/	/	/	/
13	622121204048	SATHYA.R	/	/	/	/	/
14	622121204049	SRIDHAR.G	/	/	/	/	/
15	622121204050	SWETHA.R	/	/	/	/	/
16	622121204051	TAMILSELVAN.D	/	/	/	/	/
17	622121204052	THRISHA.K	/	/	/	/	/
18	622121204053	UDHAYAVANAN.K	/	/	/	/	/
19	622121204054	VEDHAVATHI.R	/	/	/	/	/
20	622121204055	VIKRAM.A	/	/	/	/	/
21	622121204056	VIMALRAJ.M	/	/	/	/	/
22	622121204057	VISHVA.V	/	/	/	/	/
23	622121204058	VIVEKA.R	/	/	/	/	/


COURSE CO ORDINATOR


HOD

PAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. MECHATRONICS

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC102/ APTITUDE - II

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121108023	MUHAMMAD MUSTHAFA	/	/	/	/	/
2	622121108024	MURALI.S	/	/	/	/	/
3	622121108025	MUTHUPANDI.M	/	/	/	/	/
4	622121108026	PRADEEP.S	/	/	/	/	/
5	622121108027	PRANAVU K PRASAD	/	/	/	/	/
6	622121108028	PRATHAPA	/	/	/	/	/
7	622121108029	PRITHIK RAJ.R.J	/	/	/	/	/
8	622121108030	RADHAKRISHNAN.V	/	/	/	/	/
9	622121108031	RAGHUL BABU.B	/	/	/	/	/
10	622121108032	RAGUL.N	AB	AB	AB	AB	AB
11	622121108033	RANJITH.S	/	/	/	/	/
12	622121108034	SANGAMESHWAR KAVIN.G	/	/	/	/	/
13	622121108035	SANJIVI.D	/	/	/	/	/
14	622121108036	SATHEESH KUMAR.P	/	/	/	/	/
15	622121108037	SEKAR.M	/	/	/	/	/
16	622121108038	SHEIK MUSTHAFA.K	/	/	/	/	/
17	622121108039	SRIDHARAN.L	/	/	/	/	/
18	622121108040	SRINIVINTHRAJ.M	/	/	/	/	/
19	622121108041	SUBASH.A	/	/	/	/	/

R. DLF
COURSE CO ORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. MEDICAL ELECTRONICS

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC102/ APTITUDE – II

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121110023	PANDIMEENA.B	/	/	/	/	/
2	622121110024	PRATHAP.M	/	/	/	/	/
3	622121110025	RADHIKA.R	/	/	/	/	/
4	622121110026	RAJA.K	/	/	/	/	/
5	622121110027	RAMANA.R	/	/	/	/	/
6	622121110028	RUDHRESH.J	/	/	/	/	/
7	622121110029	SAKTHIDEVI.M	/	/	/	/	/
8	622121110030	SAKTHIMARAN.A	/	/	/	/	/
9	622121110031	SANTHIYA.C	/	/	/	/	/
10	622121110032	SATHYA.C	/	/	/	/	/
11	622121110033	SIVASEELAN.P	/	/	/	/	/
12	622121110034	SUGANRAJ.P	/	/	/	/	/
13	622121110035	SWETHA.C	/	/	/	/	/
14	622121110036	TAMILZHARASU.S	/	/	/	/	/
15	622121110037	THEJASRI.K	/	/	/	/	/
16	622121110038	THIRUMOORTHY.M	/	/	/	/	/
17	622121110039	VANITHA.M	/	/	/	/	/
18	622121110040	VIVETHA.M	/	/	/	/	/
19	622121110041	YOGANANTHAN.S	/	/	/	/	/

P. D. S.
COURSE CO ORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E. AERO

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC102/ APTITUDE - II

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121101016	MADHESH ADHITHYA.S	/	/	/	/	/
2	622121101017	MADUBALAN.G	/	/	/	/	/
3	622121101018	PERIKALA AKHILESH	/	/	/	/	/
4	622121101019	RAMKUMAR.S	/	/	/	/	/
5	622121101020	RITHIKA.B	/	/	/	/	/
6	622121101021	SAKTHI.N	/	/	/	/	/
7	622121101022	SAKTHI.S	/	/	/	/	/
8	622121101023	SAKTHIVEL.J	/	/	/	/	/
9	622121101024	SARAN ROCK.K	/	/	/	/	/
10	622121101025	SHARUK.S	/	/	/	/	/
11	622121101026	SIVAREDDY NIRANJA REDDY	/	/	/	/	/
12	622121101027	SRIKANTH.M	/	/	/	/	/
13	622121101028	SUBALRAJ.M	/	/	/	/	/

R. D. 14

COURSE CO ORDINATOR


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Science and Humanities

CERTIFICATE

This is to certify that

R.SWETHA.

of Paavai Engineering College, studying in first year Pharmaceutical Engineering has successfully completed the value added course **21GEVC1202 APTITUDE-II** the duration of the course is 30 hours (**17.01.2022 to 21.01.2022**).

R. D14

Course Coordinator

[Signature]

HOD

[Signature]

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Science and Humanities

CERTIFICATE

This is to certify that

S.MURALI

of Paavai Engineering College, studying in first year Mechatronics Engineering has successfully completed the value added course **21GEVC202 APTITUDE-II** the duration of the course is 30 hours (**17.01.2022 to 21.01.2022**).

R. D. J.

Course Coordinator

S. J.

HOD

P. J.

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Science and Humanities

CERTIFICATE

This is to certify that

S.SAKTHI.

of Paavai Engineering College, studying in first year Aeronautical Engineering has successfully completed the value added course **21GEVC202 APTITUDE-II** the duration of the course is 30 hours (**17.01.2022 to 21.01.2022**).

D. D14

Course Coordinator

S. SAKTHI

HOD

P. S. SAKTHI

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Science and Humanities

CERTIFICATE

This is to certify that

K.RAJA.

Of Paavai Engineering College, studying in first year Medical Electronics Engineering has successfully completed the value added course **21CEVC202 APTITUDE-II** the duration of the course is 30 hours (**17.01.2022 to 21.01.2022**).

D. D14

Course Coordinator

[Signature]

HOD

[Signature]

Principal



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Science and Humanities

CERTIFICATE

This is to certify that

R.RAGU.

of Paavai Engineering College, studying in first year Pharmaceutical Engineering has successfully completed the value added course **21GEVC202 APTITUDE-II** the duration of the course is 30 hours (**17.01.2022 to 21.01.2022**).

R. D. J.

Course Coordinator

[Signature]

HOD

[Signature]

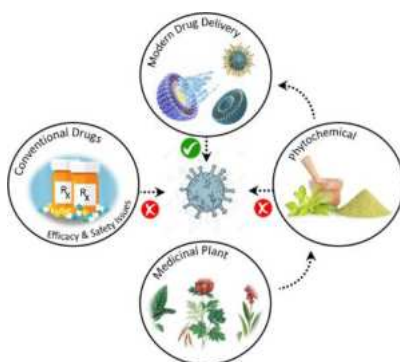
Principal

PAAVAI ENGINEERING COLLEGE
(Autonomous)
DEPARTMENT OF SCIENCE AND HUMANITIES
VALUE ADDED COURSE
21GEVC106 -PHYTOCHEMISTRY OF MEDICINAL PLANTS
(Online mode)

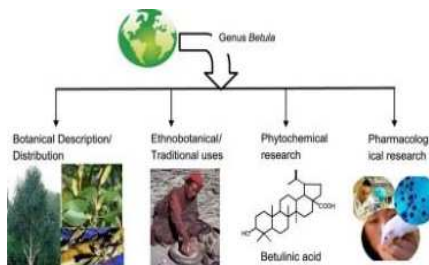
About The Course:

The aim of the course is to enable the students to learn more about phytochemistry and biological activities of medicinal plants as a value-added course along with the curriculum. It has created the impact in the minds of the students and made them view chemistry as a researcher. The course has been designed based on the suggestions and interests received from the students. This course covers the interesting areas like health medicines, biological activity of flavonoids. In the present time, people show a paramount interest in the ayurvedic so this subject has been imbued with such topics to educate the students about this.

INTENDED AUDIENCE:



- All the first year of B.E., B.Tech Students



Open link:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZTkwnjVhM2MtNTZkZS00ZDI0LWExMGMtYjhhNjYzYTMxYzhi%40thread.v2/0?context=%7b%22Tid%22%3a%220e12e443-9474-407f-a440-2c8f3f1bac5b%22%2c%22Oid%22%3a%22d3d1f784-26f8-4f80-8b80-262ebaab37de%22%7d

Course Coordinators:

1. Mr.N.Vijayanand ASP/Chemistry
2. Dr.N.Dhanabalan, ASP/Chemistry
3. Mr. A.Jeeva, AP/ Chemistry
4. Dr.D.Rajamanickam., AP/ Chemistry

COURSE OBJECTIVES

To enable the students to

- learn about phytochemistry and biological activities of medicinal plants
- understand the concepts of phytochemistry
- acquire knowledge on biological activity of flavanoids

UNIT I EXTRACTION 6

Extraction–purification of bio-active compounds from plants–cold & hot extraction–
Soxhlet extraction–crude extract purification by various solvents.

UNIT II ISOLATION 6

Isolation of bioactive compounds–chromatographic techniques–thin layer chromatography–
liquid chromatography–HPLC, UPLC and GC-MS.

UNIT III SPECTRAL ANALYSIS 6

Structural analysis of bioactive compounds–IR spectroscopy–Mass spectrometry–
NMR spectroscopy.

UNIT IV HERBAL MEDICINE 6

Herbal medicine–History of herbal medicine–types of herbal medicine–Ayurveda, Siddha and Unani–
clinical research and traditional uses of Indian medicinal plants–Ocimum sanctum,
Curcuma longa.

UNIT V HEALTH BENEFITS 6

Phyto pharmaceutical health benefits- Alkaloids- Morphine - Caffeine- Steroids- Cholesterol-
Carotenoids- Lycopene and Betacarotene - Flavonoids- Rutin- Quercetin.

TOTAL: 30 PERIODS

COURSE OUTCOMES

After completing the course, the student will be able,

- appreciate the medicinal values of plants
- to get exposure in the techniques of phytochemistry
- familiarize the bio-active components presence of plants

REFERENCES

1. Grewal, R.C. Medicinal Plants, Campus Books International, New Delhi.
2. Harbone, J.B. 1998. Phytochemical Methods "A guide to modern techniques of Plant analysis, 3rd Edition. Springer (India) Private Limited, New Delhi.
3. Majumdar, A. 2000. Home remedies in Ayurveda, Amar Granth Publications, Delhi.
4. Silverstein, R.M. and F.X. Webster – Spectroscopic identification of organic compounds, John-Wiley, 1998.
5. Willard, H.H., L.L. Merritt and J.A. Dean, Instrumental Methods of analysis, 1987.



I ENGINEERING COLLEGE, NAMAKAL-637018
(As Autonomous Institution - Affiliated to Anna University, Chennai)

DEPARTMENT OF SCIENCE AND HUMANITIES

Date: 07.01.2022

CIRCULAR

The Department has started a Five Day Training Course on Photochemistry of Medicinal Chemistry for our first year students from 17.01.2022 to 21.01.2022. Those who are Interested can register their names to the course coordinator Mr.N. Vijayanand, Associate Professor/Chemistry on or before 10.01.2022.

Course coordinator: 1) Mr.N. Vijayanand, ASP/Chemistry.


HOD

Copy to:

- 1) All Students
- 2) Notice board

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL
DEPARTMENT OF SCIENCE AND HUMANITIES
ACADEMIC YEAR 2021-2022
VALUE ADDED COURSE
ATTENDANCE SHEET


DEPT: B.E. BIO MEDICAL

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC203/ PHYTO CHEMISTRY OF MEDICINAL PLANT

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121109011	DHARANI.M	/	/	/	/	/
2	622121109012	DHILIP.S	/	/	/	/	/
3	622121109013	DINESH.S	/	/	/	/	/
4	622121109014	GOBIDHA.K	/	/	/	/	/
5	622121109015	GOKUL RAJA.G	/	/	/	/	/
6	622121109016	GOKULNATH.A	/	/	/	/	/
7	622121109017	GUGANBALA.G	/	/	/	/	/
8	622121109018	INDHUSRI.D	/	/	/	/	/
9	622121109019	JAYAKANNAN.S	/	/	/	/	/
10	622121109020	JAYARAM.C	/	/	/	/	/
11	622121109021	JAYASRI.A	/	/	/	/	/
12	622121109022	JAYASURYA.N	/	/	/	/	/
13	622121109023	KATHIRESAN.S	/	/	/	/	/
14	622121109024	KAVIYARASAN.M	/	/	/	/	/
15	622121109025	KEERTHIPRIYA.S	AB	AB	AB	AB	AB
16	622121109026	KIRUBAKARAN.J	/	/	/	/	/
17	622121109027	KOWSALYA.K	/	/	/	/	/
18	622121109028	KUMARESAN.D	/	/	/	/	/
19	622121109029	LINGASRI.S	/	/	/	/	/
20	622121109030	LOGAMANIMEGALAI.V	/	/	/	/	/
21	622121109031	MAHALAKSHMI.P	/	/	/	/	/
22	622121109032	MOHANRAJ.S	/	/	/	/	/
23	622121109033	MURUGAN.S	/	/	/	/	/
24	622121109034	NAVEENKUMAR.G	/	/	/	/	/
25	622121109035	NIKASH.N	/	/	/	/	/
26	622121109036	PAVITHRA.M	/	/	/	/	/
27	622121109037	PRADEEP.M	/	/	/	/	/
28	622121109038	PRASANTH.P	/	/	/	/	/

29	622121109039	PRATHISH KUMAR.G	/	/	/	/	/
30	622121109040	PRAVEEN.V	/	/	/	/	/
31	622121109041	PUNITH RAJ.R	/	/	/	/	/
32	622121109042	RANJITH.P	/	/	/	/	/
33	622121109043	ROJA.R	/	/	/	/	/
34	622121109044	SANDHIYA.M	/	/	/	/	/
35	622121109045	SANGEETHKUMAR.M	/	/	/	/	/
36	622121109046	SANJEEVAMOORTHY.M	/	/	/	/	/
37	622121109047	SANJUKA.D	/	/	/	/	/
38	622121109048	SANMATHI.S	/	/	/	/	/
39	622121109049	SANTHOSH.M	/	/	/	/	/
40	622121109050	SAROTHIRSHA.S	/	/	/	/	/
41	622121109051	SHAKTHIVEL.E	/	/	/	/	/
42	622121109052	SOBANA.K	/	/	/	/	/
43	622121109053	SUBASH.K	/	/	/	/	/
44	622121109054	SUBASRI.M	/	/	/	/	/
45	622121109055	SURABIKA.R	/	/	/	/	/
46	622121109056	SURIYA.P	/	/	/	/	/
47	622121109057	VASANTHKUMAR.S	/	/	/	/	/
48	622121109058	VIGNESH.T	/	/	/	/	/
49	622121109059	VIMAL RAJ.R	/	/	/	/	/
50	622121109060	VINOTH.S	/	/	/	/	/
51	622121109061	YOGAMOZHI.S	/	/	/	/	/
52	622121109062	YUVARAJ.S.R	/	/	/	/	/


COURSE CO-ORDINATOR


HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

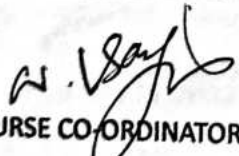
DEPT: B.E. ECE A

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC203/ PHYTO CHEMISTRY OF MEDICINAL PLANT

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121105013	BHUVANESHWARI.M	/	/	/	/	/
2	622121105014	CHALLA CHARAN CHAITANYA	/	/	/	/	/
3	622121105015	CHANDALINI.N.S	/	/	/	/	/
4	622121105016	DEEPAKRAJ.R.V	/	/	/	/	/
5	622121105017	DEVASHREE.M	/	/	/	/	/
6	622121105018	DHARANIDHARAN.V	/	/	/	/	/
7	622121105019	DHARUN ADHITYA SANKAR.S	/	/	/	/	/
8	622121105020	DHINESH.R	/	/	/	/	/
9	622121105021	DHINESHKUMAR.G	/	/	/	/	/
10	622121105022	DINESH.G	AB	AB	AB	AB	AB
11	622121105023	GIRI.N	/	/	/	/	/
12	622121105024	GOKILA.S	/	/	/	/	/
13	622121105025	GUNA.K	/	/	/	/	/
14	622121105026	HARI PRAKASH.H.R	/	/	/	/	/
15	622121105027	HARIPRASATH.K	/	/	/	/	/
16	622121105028	ILAIYARAJA.R	/	/	/	/	/
17	622121105029	ISHWA.C.M	/	/	/	/	/
18	622121105030	JAGAN.D	/	/	/	/	/
19	622121105031	JAGAN.V	/	/	/	/	/
20	622121105032	JANAKAN.R	/	/	/	/	/
21	622121105033	JAYASURIYA.T	/	/	/	/	/
22	622121105034	JEYARAJ.R	/	/	/	/	/
23	622121105035	KALAIYARASAN.K	/	/	/	/	/
24	622121105036	KAMALESH.T	/	/	/	/	/

25	622121105037	KATHIRVEL.K	/	/	/	/	/
26	622121105038	KAVIN.V	/	/	/	/	/
27	622121105039	KAVINKUMAR.D	/	/	/	/	/
28	622121105040	KAVIYA.K	/	/	/	/	/
29	622121105041	KAYALVARSHINI.D	/	/	/	/	/
30	622121105042	KEERTHIK.K	/	/	/	/	/
31	622121105043	KISHANKUMAR.N	/	/	/	/	/
32	622121105044	KISHORE KUMAR.D	/	/	/	/	/
33	622121105045	KISHORE.S	/	/	/	/	/
34	622121105046	KUNGUMA MOHAN.K	/	/	/	/	/
35	622121105047	LALITH KUMAR.R	/	/	/	/	/
36	622121105048	LATHIKA.D	/	/	/	/	/
37	622121105049	LOGUL.R	/	/	/	/	/
38	622121105050	LOKESH.M	/	/	/	/	/
39	622121105051	LOKESH.R	/	/	/	/	/
40	622121105052	LOSHIKA.K.S	/	/	/	/	/
41	622121105053	MABEL VERONICA.S	/	/	/	/	/
42	622121105054	MAHALAKSHMI.M	/	/	/	/	/
43	622121105055	MAHALAKSHMI.R	/	/	/	/	/
44	622121105056	MANIKANDAN.M	/	/	/	/	/
45	622121105057	MATHANKUMAR.N	/	/	/	/	/
46	622121105058	MITHUN.D	/	/	/	/	/
47	622121105059	MOHAMMED THALHA.A	/	/	/	/	/
48	622121105060	MOHANA SRI.S	/	/	/	/	/
49	622121105061	MOHANA.K	/	/	/	/	/
50	622121105062	MONISH.B	/	/	/	/	/
51	622121105063	MOUNESWARAN.A.I	/	/	/	/	/
52	622121105064	MUKESH.P	/	/	/	/	/
53	622121105065	NARENDRAN.V					


COURSE CO-ORDINATOR


HOD



PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE

ATTENDANCE SHEET

DEPT: B.E MECH

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC203/ PHYTO CHEMISTRY OF MEDICINAL PLANT

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121107036	NANDHAKUMAR.S	/	/	/	/	/
2	622121107037	PALANI.A	/	/	/	/	/
3	622121107038	PITCHAI MANI.A	/	/	/	/	/
4	622121107039	POOVARASAN.V	/	/	/	/	/
5	622121107040	PRABHU.M	/	/	/	/	/
6	622121107041	PRADEEPKUMAR.S	/	/	/	/	/
7	622121107042	PRASATH .K	/	/	/	/	/
8	622121107043	PRIYADHARSHINI .P	/	/	/	/	/
9	622121107044	SACHINKUMAR.P	/	/	/	/	/
10	622121107045	SANJAI ADHITHYA.R	/	/	/	/	/
11	622121107046	SARATHKUMAR.L	/	/	/	/	/
12	622121107047	SATHISHKUMAR.V	/	/	/	/	/
13	622121107048	SATHRIYAN.C	/	/	/	/	/
14	622121107049	SETHU RAJ.R	/	/	/	/	/
15	622121107050	SHARAN.D	AB	AB	AB	AB	AB
16	622121107051	SINGADURAI.A	/	/	/	/	/
17	622121107052	SIVANESH.G	/	/	/	/	/
18	622121107053	SIVASAKTHI.M	/	/	/	/	/
19	622121107054	SRIKANTH .M	/	/	/	/	/
20	622121107055	SUDHARSAN.M	/	/	/	/	/
21	622121107056	SURYA.S	/	/	/	/	/
22	622121107057	THIRUMURUGAN.N	/	/	/	/	/
23	622121107058	THIRUSELVAN.V	/	/	/	/	/
24	622121107059	VIGNESH NAGARATHINAM.N	/	/	/	/	/
25	622121107060	VIGNESHWARAN.S	/	/	/	/	/
26	622121107061	VIKRAM.S	/	/	/	/	/

N. Senthil
COURSE CO-ORDINATOR

[Signature]
HOD

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

NAMAKKAL

DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022

VALUE ADDED COURSE


ATTENDANCE SHEET

DEPT: B.E ECE B

YEAR/SEM: I/II

NAME OF THE COURSE: 21GEVC203/ PHYTO CHEMISTRY OF MEDICINAL PLANT

S.NO	R.No	STUDENT NAME	17.1.22	18.1.22	19.1.22	20.1.22	21.1.22
1	622121105123	VIGNESH.R	/	/	/	/	/
2	622121105124	VISHNUPRIYAN.M	/	/	/	/	/
3	622121105125	YOGA NARAYANAN.K.A	AB	AB	AB	AB	AB
4	622121105126	YOGASHREE.P	/	/	/	/	/


COURSE CO-ORDINATOR


HOD



PAAVAI ENGINEERING COLLEGE

(Autonomous)

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

Department of Science and Humanities

This is to certify that

A.JAYASRI

of Paavai Engineering College, studying in first year Biomedical Engineering has successfully completed the value added course **21GEVC203 PHYTOCHEMISTRY OF MEDICINAL PLANTS** the duration of the course is 30 hours (17.01.2022 to 21.01.2022).

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

R.VIGNESH

of Paavai Engineering College, studying in first year Electronics and Communication Engineering has successfully completed the value added course **21GEVC203 PHYTOCHEMISTRY OF MEDICINAL PLANTS** the duration of the course is 30 hours **(17.01.2022 to 21.01.2022)**.

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

A.PALANI

of Paavai Engineering College, studying in first year Mechanical Engineering has successfully completed the value added course **21GEVC203 PHYTOCHEMISTRY OF MEDICINAL PLANTS** the duration of the course is 30 hours (17.01.2022 to 21.01.2022).

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

GIRI.N.

of Paavai Engineering College, studying in first year Aeronautical Engineering has successfully completed the value added course **21GEVC203 PHYTOCHEMISTRY OF MEDICINAL PLANTS** the duration of the course is 30 hours (**17.01.2022 to 21.01.2022**).

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

S. DHILIP

of Paavai Engineering College, studying in first year Biomedical Engineering has successfully completed the value added course **21GEVC203 PHYTOCHEMISTRY OF MEDICINAL PLANTS** the duration of the course is 30 hours
(17.01.2022 to 21.01.2022).

Course Coordinator

HOD

Principal