

**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
PACHAL, NAMAKKAL**

FACULTY DEVELOPMENT DEPARTMENT

ANNUAL REPORT SUMMARY

ACADEMIC YEAR 2023-2024



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
Pachal, Namakkal-637 018.**

08.07.2024

**Annual Report of the faculty Development Department for the academic
Year 2023-2024**

Under faculty development program has organised 26 programmes during the
Academic year 2023-2024

- ✓ Conducted 26 various offline and online FDPs during the academic year for
Teaching and non teaching faculty
- ✓ Totally 339 faculty members attended online /face-to-face Faculty
Development programmes (FDP)


IQAC Coordinator

**Summary of programmes conducted during Academic year 2023-2024 under
Faculty Development Department**

S.No	Name of the program	Date	No of participants	status
1	FDP on Recent Trends on Smart Manufacturing Process	05-02-2024 to 09-02-2024	13	completed
2	FDP on Advancement and Applications of Drone Technology"	18-03-2024 to 22-03-2024	30	completed
3	FDP on Recent advances in smart Materials and Sensor Technology	12-02-2024 to 17-02-2024	103	completed
4	Overview on Value Stream Mapping and Lean Manufacturing Tools and Techniques	22-01-2024 to 27-01-2024	39	completed
5	Five days Online Faculty Development Program on "SCADA Systems for Electrical Distribution"	18-12-2023 to 22-12-2023	121	completed
6	FDP on Medical Equipment Training	05-09-2023 to 09-09-2023	10	completed
7	FDP on Advanced Food Processing Technologies in Agriculture	16-10-2023 to 20-10-2023	20	completed
8	FDP on AI & Deep Learning Approach for Image Processing and its Applications	19-06-2023 to 24-06-2023	157	completed
9	FDP on Food based biopolymers in drug delivery applications	28-08-2023 to 02-09-2023	11	completed
10	Orientation Programme for Recently Recruited Faculty Members	01-04-2024 to 05-04-2024	13	completed
11	A Faculty Rejuvenation programme	10-01-2024 to 13-01-2024	322	completed
12	Orientation Programme for Newly Recruited Faculty Members	29-11-2023 to 02-12-2023	31	completed
13	Orientation Programme for Newly Recruited Faculty Members	11-09-2023 to 16-09-2023	50	completed
14	Faculty Revalidation Programme	04-12-2023 to 05-01-2024	132	completed
15	Orientation Programme for Newly Recruited Faculty Members	12-06-2023 to 19-06-2023	40	completed

16	Opportunities for Chemical Engineering in various sectors	12-02-2024 to 16-02-2024	70	completed
17	Five Days Faculty Development Programme on Current Trends in Nanomaterial's and its application	14-08-2023 to 18-08-2023	15	completed
18	Faculty Development Program – Computer Vision and Image Processing with Cloud Resources 2024	20-05-2024 to 04-05-2024	24	completed
19	Faculty Development Programme on Building Information Modeling in Civil Engineering	06-05-2023 to 11-05-2023	50	completed
20	One week FDP "Innovative Entrepreneurship and Startup Ecosystem"	06-05-2024 to 10-05-2024	7	Completed
21	"Knowledge Sharing Forum (AI USING ML & big data and Hadoop)"	11-09-2023 to 15-09-2023	25	Completed
22	FDP on UI Path Robotic Process Automation	30-10-2023 to 04-11-2023	45	completed
23	FDP on "Research Proposals- Drafting and Application Process"	11-12-2023 to 16-12-2023	30	Completed
24	International Level FDP on "Data Science using Python"	19-02-2024 to 23-02-2024	300	Completed
25	Workshop on "Rebranding the identity"	20-11-2023 to 22-11-2023	322	Completed
26	workshop on Be an Empowered Teacher	20-06-2024 to 24-06-2024	318	completed


IQAC Coordinator


Principal



PAAVAI ENGINEERING COLLEGE

Pachal, Namakkal-637 018.

INVITATION

DEPARTMENT OF MECHATRONICS ENGINEERING

The Management, Director Admin, Principal, HOD
and Staff Members cordially invite you for the

Faculty Development Programme on

“RECENT TRENDS ON SMART MANUFACTURING PROCESS”

by

Dr.M.Sabarimuthu

Assistant Professor

Department of Electrical and Electronics Engineering

Kongu Engineering College, Perundurai.

Dr.K.G.Saravanan

Associate Professor

Department of Mechanical Engineering

Sona College Technology, Salem.

Date : 05.02.2024 to 09.02.2024

Time : 10 A.M to 12 P.M

Venue : Online

ALL ARE WELCOME



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NH-44, Pachal, Namakkal-637 018

Department of Mechatronics Engineering

Organizing

Faculty Development Programme

“RECENT TRENDS ON SMART MANUFACTURING PROCESS”

by

Dr.M.Sabarimuthu

Assistant Professor

Department of Electrical and Electronics Engineering

Kongu Engineering College, Perundurai.

Dr.K.G.Saravanan

Assistant Professor

Department of Mechanical Engineering

Sona College of Technology, Salem.

Date: 05.02.2024 to 09.02.2024

Time: 10 A.M to 12 P.M

Mode: Online

FACULTY COORDINATOR

**Mr.S.Manikandan,
AP/MCT**

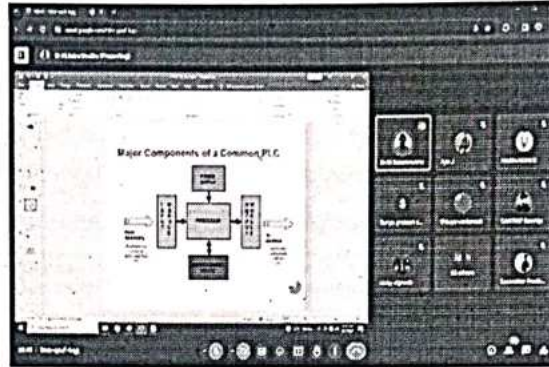
CONVENOR

**Dr.D.R.P.Rajarathnam
Head/MCT**

PATRON

**Dr.M.Preamkumar
Principal**

**PAAVAI ENGINEERING COLLEGE
AUTONOMOUS
DEPARTMENT OF MECHATRONICS ENGINEERING
FACULTY DEVELOPMENT PROGRAMME
RECENT TRENDS ON SMART MANUFACTURING PROCESS**




A five days faculty development programme on 'Recent Trends on Smart Manufacturing Process' was held at Paavai Engineering College, online mode on 05.02.2024 to 09.02.2024. The FDP aimed at providing opportunities to the faculty members to enrich their teaching skills. The Programme also intended to develop the knowledge of the participants for Introduction to Smart Manufacturing and Current Trends in Smart Manufacturing in the relevant field for inculcating the learning values into the minds of the staff and guiding and monitoring their progress. The FDP was attended by 13 participants. All the members involved were delighted with this learning initiative and value - addition experience. Two faculties explain the Smart manufacturing is revolutionizing industries by integrating cutting-edge technologies to enhance efficiency, flexibility, and sustainability. One prominent trend is the widespread adoption of Artificial Intelligence (AI) and Machine Learning (ML), which enable predictive maintenance, quality assurance, and process optimization by analysing vast datasets in real time. The Industrial Internet of Things (IIoT) continues to play a crucial role, connecting machines, sensors, and devices to streamline operations and enable real-time decision-making. And Advancements in connectivity, such as 3D printing 5G and WiFi 7, are enhancing data transmission speeds and reliability, supporting the seamless integration of smart systems. Simultaneously, sustainability has become a core focus, with manufacturers adopting green technologies and eco-friendly practices to reduce waste and energy consumption were enlightened and updated. On the whole, the programme accomplished its set objectives. Finally S.Manikandan, Assistant Professor proposed to the vote of thanks.

PAAVAI ENGINEERING COLLEGE
FIVE DAYS FACULTY DEVELOPMENT PROGRAMME
ON
RECENT TRENDS ON SMART MANUFACTURING PROCESS
ORGANISED BY DEPARTMENT OF MECHATRONICS ENGINEERING

Date: 05-02-2024 to 09-02-2024

Venue: Online Mode

S.No	Name of the Faculty	Department	05.02.2024	06.02.2024	07.02.2024	08.02.2024	09.02.2024
1	Dr.D.R.P.Rajarathnam	MCT	Present	Present	Present	Present	Present
2	Dr.R.T.Ajaykarthik	MCT	Present	Present	Present	Present	Present
3	Dr.C.Suresh	MCT	Present	Present	Present	Present	Present
4	S.Manikandan	MCT	Present	Present	Present	Present	Present
5	R.Arunbabu	MCT	Present	Present	Present	Present	Present
6	C.Sumithra	MCT	Present	Present	Present	Present	Present
7	C.Vibin Stalin	MCT	Present	Present	Present	Present	Present
8	S.Dhinakar	MCT	Present	Present	Present	Present	Present
9	C.Ravikumar	MCT	Present	Present	Present	Present	Present
10	M.Vetriselvan	MCT	Present	Present	Present	Present	Present
11	S.Rajaseakar	MCT	Present	Present	Present	Present	Present
12	T.Parkavi	MCT	Present	Present	Present	Present	Present
13	S.Manikandan	MCT	Present	Present	Present	Present	Present


HEAD OF THE DEPARTMENT
MECHATRONICS ENGINEERING
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAI (Po) NAMAKKAL - 637 018


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAI Post, NAMAKKAL Dis.



PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF AERONAUTICAL ENGINEERING



INVITATION

The Management, Director Administration, Director Placement,
Principal, Deans, CoE, HoDs, Faculty members

Cordially invite you for the
Faculty Development program

On

"ADVANCEMENT AND APPLICATIONS OF DRONE TECHNOLOGY "

By

1	Mr.Alaguraj Vellaiappan, founder of MACH Engineers, Coimbatore	Introduction to Drone Technology
2	Mr.Ashok Chakaravarthy.A.V Founder and CEO, VCan Aerospace.	Legal and Ethical Considerations
3	Dr.A.Vivek Anand, Professor-Aero, MLRIET, Hyderabad	Drone Components and Operation
4	Mr. S. Gopinathan, CEO, Dileka Aerospace, Tamilnadu	Drone Sensors and Data Acquisition
5	Mr.J.Abdullah, Chief Technical Officer, Cad Solutions Pvt Ltd, Coimbatore	Advanced Flight Techniques and Maneuvers
6	Mr A.Sathish,Manager, Syfero Synergetics Drone Solutions Pvt Ltd, Coimbatore	Drone Data Analysis and Interpretation
7	Dr.V.Madhanraj, Professor, Aeronautical Engineering, Mangalore Institute of Engineering and Technology	Artificial Intelligence and Machine Learning in Drones
8	Ms.R.S Kiruthika HR Manager, Jet Aerospace Aviation and Research Centre, Kerala	Drone Swarming and Coordination
9	Mr Sathish Kumar A, Director, De Drone World Solutions Pvt Ltd, Coimbatore	Drone Flight Simulator Training and Rules
10	Dr.S.Sudhagara Rajan, professor, Aeronautical Engineering,Reva Univeristy, Bangalore	Future Trends and Innovations in Drone Technology

Date : 18.03.2024 to 23.03.2024

Time : 10.00 a.m to 4.00 p.m

ALL ARE WELCOME

PAAVAI ENGINEERING COLLEGE

Autonomous

**Paavai Institutions, Paavai Nagar, NH-44, Pachal -637 018. Namakkal Dist.,
Tamil Nadu, India (Approved by AICTE, Affiliated to Anna University)**



**One Week Online Faculty Development Program on
18.03.2024 to 23.03.2024**

Organized by

Department of Aeronautical Engineering





RESOURCE PERSONS

The sessions will be handled by the experts from the Mechanical / Aerospace Industry and Professors from reputed institutions.

WHO CAN APPLY

The faculty members of the AICTE approved institutions, Research scholars, PG Scholars, participants from Government, Industry (Bureaucrats / Technicians / Participants from Industry etc.)

<https://teams.microsoft.com/l/meetup-join/19%3aGvpY6WWT8MFiVJ9m2IzvlaRISwF0ec0lf4xGimrbEDs1%40thread.tacv2/1734618257242?context=%7b%22Tid%22%3a%220e12e443-9474-407f-a440-2c8f3f1bac5b%22%2c%22Oid%22%3a%2282dc64b9-5dd8-4e5f-ac64-f9dea81eee9a%22%7d>

Session	Date and Time	Session Details
	<p align="center">18.03.2024 10.00am to 10.30 am</p>	<p align="center">Inaugural Session</p>
<p align="center">1</p>	<p align="center">18.03.2024 10.30 to 11.30</p>	<p>Topic: Introduction to Drone Technology</p> <p>Name of the Expert: Mr.Alaguraj Vellaippan, founder of MACH Engineers, Coimbatore</p>
<p align="center">2</p>	<p align="center">18.03.2024 11.30 to 12.30</p>	<p>Topic: Legal and Ethical Considerations</p> <p>Name of the Expert: Ashok chakaravarthy AV Founder and CEO,Vcan</p>
<p align="center">3</p>	<p align="center">19.03.2024 10.30 to 11.30</p>	<p>Topic: Drone Components and Operation</p> <p>Name of the Expert: Dr.A.Vivek Anand, Professor- Aero, MLRIET, Hyderabad</p>

Session	Date and Time	Session Details
4	<p align="center">19.03.2024 11.30 to 12.30</p>	<p>Topic: Drone Sensors and Data Acquisition</p> <p>Name of the Expert: Mr. S. Gopinathan, CEO, Dileka Aerospace, Tamilnadu</p>
5	<p align="center">20.03.2024 10.00 to 11.00</p>	<p>Topic: Advanced Flight Techniques and Maneuvers</p> <p>Name of the Expert: Mr.J.Abdullah, Chief Technical Officer, Cad Solutions Pvt Ltd, Coimbatore</p>
6	<p align="center">20.03.2024 11.00 to 12.30</p>	<p>Topic: Drone Data Analysis and Interpretation</p> <p>Name of the Expert: Mr A.Sathish,Manager, Syfero Synergetics Drone Solutions Pvt Ltd, Coimbatore</p>

Session	Date and Time	Session Details
7	<p align="center">21.03.2024 10.00 to 11.30</p>	<p>Topic: Artificial Intelligence and Machine Learning in Drones</p> <p>Name of the Expert: Dr.V.Madhanraj, Professor, Aeronautical Engineering, Mangalore Institute of Engineering and Technology</p>
8	<p align="center">21.03.2024 11.30 to 12.30</p>	<p>Topic: Drone Swarming and Coordination</p> <p>Name of the Expert: Ms.R.S Kiruthika HR Manager, Jet Aerospace Aviation and Research Centre, Kerala</p>
9	<p align="center">22.03.2024 10.00 to 11.30</p>	<p>Topic: Drone Flight Simulator Training and Rules</p> <p>Name of the Expert: Mr Sathish Kumar A, Director, De Drone World Solutions Pvt Ltd, Coimbatore</p>

Session	Date and Time	Session Details
10	22.03.2024 11.30 to 12.30	<p>Topic: Future Trends and Innovations in Drone Technology</p> <p>Name of the Expert: Dr.S.Sudhagara Rajan, professor, Aeronautical Engineering,Reva Univeristy, Bangalore</p>
11	23.03.2024 10.00 to 11.30	<p>Topic: Drone Design and Development</p> <p>Name of the Expert: Ms.R.S Kiruthika HR Manager, Jet Aerospace Aviation and Research Centre, Kerala</p>
12	23.03.2024 11.30 to 12.30	<p>Topic: Industry Collaborations and Case Studies</p> <p>Name of the Expert: Mr A.Sathish,Manager, Syfero Synergetics Drone Solutions Pvt Ltd, Coimbatore</p>

Session	Date and Time	Session Details
13	23.03.2024 12.30 to 1.30	Valedictory Session

ORGANISING COMMITTEE:

Chief Patron :

Dr.M.Premkumar,
Principal, Paavai
Engineering College.

Convener :

Arravind.R Head,
Aeronautical
Enggineering,Paavai

Co-Convener :

Dr.Deepak, ASP/Aero



PAAVAI ENGINEERING COLLEGE

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On

"ADVANCEMENT AND APPLICATIONS OF DRONE TECHNOLOGY "

By

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10	Dr.S.Sudhagara Rajan, professor, Aeronautical Engineering,Reva Univeristy, Bangalore	Future Trends and Innovations in Drone Technology

Date : 18.03.2024 to 23.03.2024

Time : 10.00 a.m to 4.00 p.m

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PAAVAIENGINEERINGCOLLEGE
(Autonomous)
DEPARTMENT OF AERONAUTICAL ENGINEERING
FDP ON "ADVANCEMENT AND APPLICATIONS OF DRONE TECHNOLOGY"

S.NO	NAME OF THE PARTICIPANTS	18.03.2024	19.03.2024	20.03.2024	21.03.2024	22.03.2024	23.03.2024
1.	Dr R.Arravind	Present	Present	Present	Present	Present	Present
2.	Dr. Deepak	Present	Absent	Present	Present	Present	Absent
3.	Sethunathan P	Present	Present	Present	Present	Present	Present
4.	Rajkumar D	Present	Present	Present	Present	Absent	Present
5.	Sasi G	Present	Present	Present	Absent	Present	Present
6.	Prasanna P	Absent	Present	Present	Present	Present	Present
7.	Gokulnath K	Present	Present	Present	Present	Present	Present
8.	Ramachandrababu R	Absent	Present	Present	Present	Present	Present
9.	Karthikeyan P	Present	Present	Present	Present	Present	Present
10.	Krithiga S	Present	Present	Absent	Present	Present	Present
11.	Manikandan D	Present	Present	Present	Present	Present	Present
12.	Gunasarami M	Present	Present	Present	Present	Present	Present
13.	Dr. V.Subburam	Present	Absent	Present	Present	Present	Absent
14.	Dr.M.Makesh	Present	Present	Present	Present	Present	Present
15.	Dr. M.S.Vijayanand	Present	Present	Present	Present	Present	Present
16.	Dr. P.Pugalanthi	Present	Present	Absent	Present	Present	Present
17.	Dr. S.Maniraj	Present	Present	Present	Present	Present	Present
18.	Dr.S.T.Kumaravel	Present	Present	Absent	Present	Present	Present
19.	Dr.C.Suresh	Absent	Present	Present	Present	Present	Present
20.	V.SenthilKannan	Present	Absent	Present	Present	Present	Absent
21.	M.Selvaraj	Absent	Present	Present	Present	Present	Present
22.	S.Prabhakaran	Present	Present	Present	Present	Present	Present
23.	T. Satheesh	Absent	Present	Present	Absent	Present	Present
24.	R. Mohanraj	Present	Present	Absent	Present	Present	Present
25.	N. Manigandan	Present	Present	Present	Present	Present	Present
26.	P. Lokeshwaran	Present	Present	Present	Absent	Present	Present
27.	K. Anand	Present	Present	Present	Present	Present	Present
28.	T.Thangavel	Present	Absent	Present	Present	Present	Present
29.	J. Sujith Kumar	Absent	Present	Present	Present	Present	Present
30.	A.Meignanamoorathi	Present	Present	Present	Present	Present	Present


HOD/AERO


PRINCIPAL
PAVAI ENGINEERING COLLEGE
114-7, PACHAL Post, NAMAKKAL Dist

DEPARTMENT OF AERONAUTICAL ENGINEERING CONDUCTING A FDP ON “ADVANCEMENT AND APPLICATIONS OF DRONE TECHNOLOGY”

The Department of Aeronautical Engineering had organized an online FDP on “ADVANCEMENT AND APPLICATIONS OF DRONE TECHNOLOGY” from 18.03.2024 to 22.03.2024 in Microsoft Teams.

The Speaker of the session 1 was, Mr. Alaguraj Vellaippan, founder of MACH Engineers, Coimbatore presented the topic on “Introduction to Drone Technology”. He explained to participants with a foundational understanding of drone technology, its applications, and the future potential of drones across various industries. By the end of this course, participants will have the knowledge to understand how drones operate, the components that make up a drone, and the wide array of industries where drones are revolutionizing business practices.

On session 2, Speaker Mr. Ashok Chakaravarthy A V Founder and CEO, VCan Aerospace presented the topic on “Legal and Ethical considerations”. He discussed to learn about specific drone usage guidelines, including airspace restrictions, no-fly zones, and operational limits (e.g., altitude, speed, and distance).

Followed, on session 3, Dr. A. Vivek Anand, Professor/Aero, MLRIET, Hyderabad presented the topic on “Drone Components and operations”. He explained in-depth understanding of the key components of drones and how these elements work together to enable drone operations. Participants will learn about the technical aspects of drones, their functionality, and how to operate them effectively and safely in various environments.

On session 4, Mr. S. Gopinath, CEO, Dileka Aerospace, Tamilnadu addressed the title on “Drone Sensors and Data Acquisition”. He discussed about the understanding of the different types of sensors used in drones and how data acquisition works during drone operations. By the end of the course, learners will be equipped with the knowledge to select, operate, and interpret data from various drone sensors for diverse applications.

On session 5, Mr. J. Abdullah, Chief Technical officer, CAD solutions Pvt Ltd, Coimbatore delivered the content on “Advanced Flight Techniques and Maneuvers”. He explained the proficient in performing advanced flight techniques and maneuvers, understanding the dynamics of drone flight, and applying these skills in various real-world scenarios, such as professional filming, surveying, and emergency response.

On session 6, Mr. Sathish, Manager, Syfero Synergetic Drone Solutions Pvt, Ltd, Coimbatore, presented the topic on “Drone Data Analysis and Interpretation”.

On session 7, Dr. V. Madhanraj, Professor /Aero, Mangalore Institute of Engineering and Technology, presented the topic on AI and Machine Learning in Drones

On session 8, Ms.R.S Kiruthika Hr-Jet aerospace aviation and research center deliver the content on “Drone Swarming and coordination.”

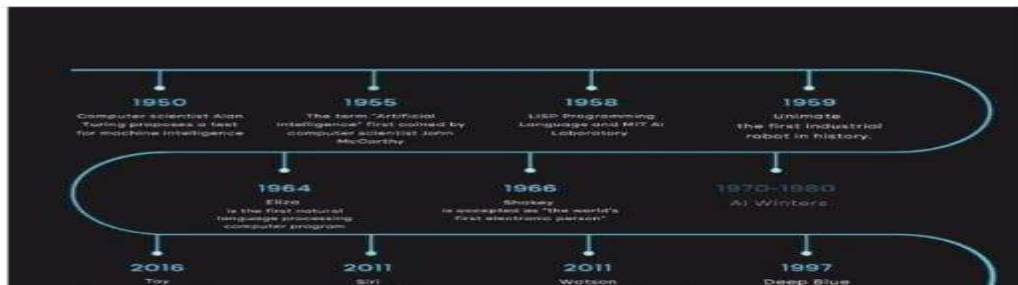
On session 9, M.Sathishkumar, Director-De Drone World Solutions Pvt, coimbatore presented the topic on “Drone Flight Simulator Training and Rules”

End of the day Dr.S.SudhagaraRajan, Professor, Aeronautical Engineering, Reva University, Bangalore. Presented the topic on “Future Trends and Innovations in Drone Technology.”He discussed about latest trends, emerging innovations, and the potential future developments that could reshape the drone industry. By the end of the course, learners will be able to identify key technological advancements and assess their impact on various sectors, as well as prepare for the integration of these innovations into their operations or businesses.

The overall session discussion benefitted to the participants. This FDP would help the participants to get basics of aeronautics and scopes for students in India and also in abroad and also it would help them to do their higher studies. There were totally 30 participants are attended.



History of AI



Dr.V.Madhanraj, Professor /Aero, Mangalore Institute of Engineering and Technology, presented the topic on AI and Machine Learning in Drones

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH – 44, Pachal, Namakkal -637018.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
in association with

The Institution of Electronics and Telecommunication Engineers

IETE-WEEC

&

IETE Erode Centre

INVITATION

**The Management, Director Administration, Director Admissions,
Principal, Deans, CoE, HoDs, Faculty members and Students**

CORDIALLY INVITE YOU FOR THE

Faculty Development Programme - FDP

on

**“Recent advances in Smart Materials and Sensor
Technology”**

Date : 12.02.2024 to 17.02.2024

Time : 11.00a.m -12.30p.m.

Platform : Microsoft Teams

ALL ARE WELCOME

ABOUT THE INSTITUTION

PAAVAI ENGINEERING COLLEGE was started in the year 2001 and promoted by PAVAI VARAM EDUCATIONAL TRUST with the basic principle of providing purposeful, goal-oriented technical education and establishing a center of excellence in Engineering & Technology. The college is approved by AICTE, accredited NAAC with 'A' Grade & affiliated to Anna University, Chennai. The College has 20 UG programs and 7 PG programs. It also has the vision to strive to be a globally model Institution all set for taking 'lead-role' in grooming the younger generation socially responsible and professionally competent to face the challenges ahead. It has obtained research grants from Indo-UK Projects, MSME, AICTE, CSIR, DRDO, TNSCST and other funding agencies. The college attracts outstanding students by virtue of its discipline, modern infrastructure, library and faculty.

ABOUT THE DEPARTMENT

The department of Electronics and Communication Engineering is offering B.E(ECE) and M.E (Communication Systems). The department is thrice accredited by NBA, New Delhi and permanently affiliated to Anna university, Chennai. The department promotes R & D activities in related areas in collaboration with industries. The department is enriched with state-of-the-art lab equipments in Circuits lab, R&D lab, VLSI lab, Communication systems lab, Embedded & IoT lab, Networks lab, Virtual & Augmented Reality lab etc.

The faculty members are well-experienced and dedicated towards the upliftment of the student community. The students are exposed to the practical and industrial aspects of the subjects through laboratory works, Industrial visits, Internship trainings regularly. Competent faculty, good academic results, University ranks, consistent placement records are the highlights of the department.

ADDRESS FOR COMMUNICATION

The Convener,
Department of ECE,
Paavai Engineering College
(Autonomous)
NH-44, Pachal, Namakkal- 637 018.
E-Mail : pececehod@paavai.edu.in

ORGANIZING COMMITTEE

CHIEF PATRONS

Shri. CA. N.V. NATARAJAN,
Chairman, Paavai Institutions,
Namakkal.

Smt. MANGAI NATARAJAN,
Correspondent, Paavai Institutions,
Namakkal.

PATRON

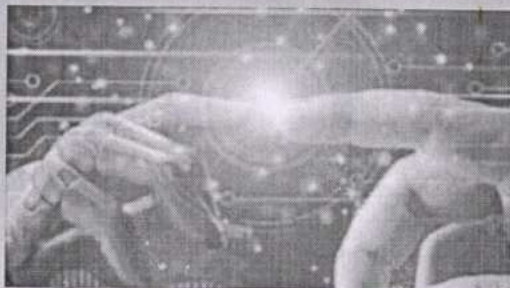
Dr. K.K. Ramasamy,
Director - Admin, Paavai Institutions,
Namakkal.
Dr. M. Premkumar,
Principal,
Paavai Engineering College, Namakkal.
Dr.J.Jyothi singhai, Chairman -IETE WEEC
MANIT, Bhopal
Dr.T.Meeradevi,
Chairman, IETE, Erode Centre.

CONVENER

Dr. M.Sudha, M.E., MBA., Ph.D.,
Professor & Head, ECE.
Dr.S.Vijayakumar, Professor, ECE
(98944453440)

COORDINATORS

Mrs.C.Vanaja, ASP, ECE(9894749134)
Mr.R.Logarasu, ASP, ECE
Mr.A.Saravanan, AP, ECE
Mr.D.Satheesh kumar, AP, ECE
Mrs.R.Bhuvaneshwari, AP, ECE
Mrs.N.Gangarani, AP, ECE
Paavai Engineering College
(AUTONOMOUS), Namakkal.



IETE - WEEC Sponsored

Six Days Online Faculty
Development Programme
On

RECENT ADVANCES IN SMART MATERIALS AND SENSOR TECHNOLOGY

12th -17th Feb 2024

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

in association with

The Institution of Electronics and
Telecommunication Engineers
IETE -WEEC & IETE Erode Centre .



PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

(Affiliated to Anna University, Chennai, Approved by
AICTE and Accredited by NAAC with 'A' grade)

NH - 44, Pachal, Namakkal - 637 018.
Tamil Nadu.
website: www.pec.paavai.edu.in

IETE - WEEC Sponsored
Six Days Online Faculty Development
Programme
on

**RECENT ADVANCES IN SMART
MATERIALS AND SENSOR
TECHNOLOGY**

12th -17th Feb 2024

Organized by
**Department of Electronics
and Communication
Engineering**

in association with
**The Institution of Electronics
and Telecommunication
Engineers, Erode Centre.**

No Registration Fee
E-Certificate will be provided

For Registration

<https://forms.gle/XaqpMNEPFG9QiS5o8>



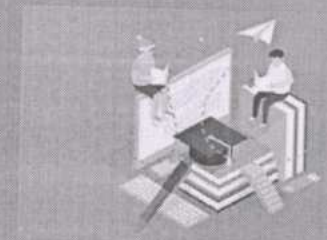
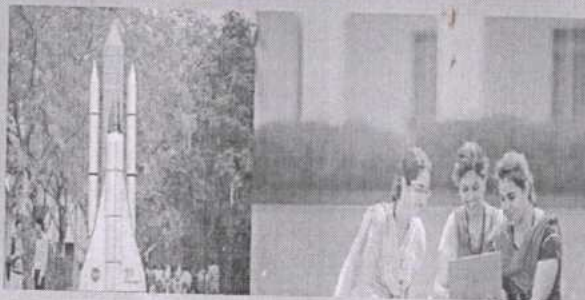
SCOPE AND OBJECTIVES OF THE FDP

Recent advances in smart materials and sensor technology have expanded their scope across various industries. In healthcare, smart materials enable innovative medical devices, while sensor technology enhances diagnostics and patient monitoring.

In aerospace, these technologies contribute to lightweight and adaptive structures. In the automotive sector, smart materials improve safety and energy efficiency. Additionally, the Internet of Things (IoT) benefits from sensor advancements, enhancing connectivity and data collection.

COURSE CONTENT

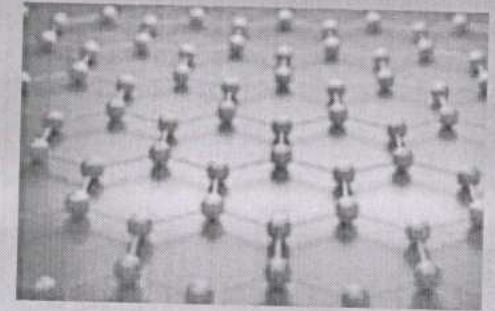
- Challenges, developments, Recent Advancements in Smart Materials
 - Adaptive Structures for Intelligent Systems using Smart Materials
 - Smart Materials as Sensors and Actuators
 - Sensor Fabrication and characterization techniques
 - Sensor Based Electronic Systems & Circuits
 - Simulation, Optimization and Characterization of Various Sensors
- Session will be handled by Academics and Industry experts



ELIGIBILITY

Faculty from AICTE approved institutions and research scholars are eligible to participate in the FDP.

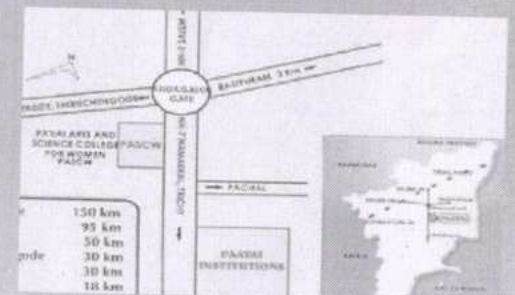
The selection will be based on first come first serve



IMPORTANT DATES TO REMEMBER

Last Date for Registration : 10.02.2024

Selection of Intimation : 11.02.2024



PAAVAI ENGINEERING COLLEGE
(An Autonomous Institution)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

**REPORT OF IETE-WEEC & IETE ERODE CENTRE SPONSORED
FACULTY DEVELOPMENT PROGRAMME**

ON

“RECENT ADVANCES IN SMART MATERIALS AND SENSOR TECHNOLOGY”

A Six-day online Faculty Development Programme on “Recent Advances In Smart Materials And Sensor Technology” was organised by the Department of Electronics and Communication Engineering, Paavai Engineering College (Autonomous), Namakkal from 12th February to 17th February 2024, in association with IETE-WEEC & IETE, Erode Center in the presence of Dr.JyothiSinghai, Chairman-IETE WEEC, MANIT, Bhopal and Dr.T.Meeradevi, chairman, IETE, Erode center. The Programme was convened by Dr.M.Sudha, Prof&Head, ECE and Dr.S.Vijayakumar, Professor, ECE. The FDP programme was attended by more than 180 overall participants from different Institutions across India.

In the presidential address, Dr. M. Premkumar, Principal, Paavai Engineering College addressed that “Recent Advances in Smart Materials and Sensor Technology” is the need of the hour for implementing projects in real world applications. He also appreciated the efforts taken by the department in organising such Faculty Development programme. The inauguration was followed with a welcome address and introduction of resource speaker by Dr.S.Vijayakumar, Professor, ECE. Dean Academics, Professor, Faculty Development Department, Dr.M.Sudha, HoD/ECE, Mrs.C.Vanaja ASP, ECE, Mr.R.Logarasu, AP (Sr.Grade), ECE Mr.D.Satheeshkumar AP, ECE, Mrs.R.Bhuvaneshwari, AP, ECE, Mr.A.Saravanan, AP, ECE, Mrs.N.Gangarani AP, ECE, Coordinators of Faculty development programme, staff members of our institution and participants from different Institutions across India attended the inaugural session.

The Speaker of the Day 1 - Dr. K M Palanisamy, Professor/ECE, Dr.T.Thimmaiah Institute of Technology, KGF, Karnataka, presented the topic on “Challenges, Developments, Recent Advancements in Smart Materials”. He explained that the advances in smart materials are employed in all fields. He insisted all the faculty to motivate their students to do real time projects by using smart materials. He cited lot of examples and applications based on smart materials. The session ended with queries from the participants.

On Day 2, Resource Speaker Dr.S.Jayanthi. Asstant.Professor, Department of Physics, Sona College of Arts and Science, Salem, TamilNadu, handled her session on “Adaptive Structures for Intelligent Systems using Smart Materials”. She explained about Shape memory materials, Chromoactive materials, Shrink, XPL and Characteristics of adaptive structures. She also gave the difference between structural adaptations and adaptive structures. She also delivered the applications of smart materials in aerospace technology. The session ended with a discussion about different types of smart material by the participants.

On Day 3, Mr.Sekaran C, Technical Consultant and Trainer, HMT (Rtd AGM), Bangaluru, handled the session on “Smart Materials as Sensors and Actuators”. He explained the evolution of Industry from ‘Industry1.0 to Industry4.0’. He explained about industry related manipulations such as Smart Design, Smart monitoring, Smart machining, Smart control and Smart scheduling etc. He also elucidated about the working model of actuators in industry. He elaborated about actuators used in CNC machines.

On Day 4, Dr. A.Karthikeyan, Asso.Professor/ECE, SNS College of technology, Coimbatore discussed about “Sensor Fabrication and characterization techniques”. He explained the various Sensor Fabrication steps using MEMS Technology, Sensor Working Model, Wireless Passive Pressure Sensor and others . He also explained about application of sensors in automation system. He conducted an online puzzle and the session ended with a discussion on sensor characteristics.

On Day 5, Dr.T.Meeradevi, Professor/ECE, Kongu Engineering College, Erode, TamilNadu presented on “Sensor Based Electronic Systems and Circuits”. She explained about Life without Sensors and Life with Sensors. She gave an overview of various sensors and explained about Sensor Networks in Medical Care. In addition she added about sensor network in Telemedicine, Remote sensing, wireless body area network, wearable system etc.

On Day 6, Guest speaker Mr.Boopathi Sakthivel, Founder and CEO of Prashan Medical Technologies, Coimbatore presented the topic on “Simulation, Optimization and Characterization of Various Sensors”. He explained the errors in sensor, Optimization and Simulation of Sensors in industries. He elaborated about the factors, challenges and limitations of sensor optimization. He also showed the simulation of various sensor characteristics with graphical representation.

The participants shared their feedback for all the sessions. Finally, Mrs.C.VANAJA Associate Professor delivered the Vote of thanks along with Dr.M.Sudha, Prfoessor and HoD, ECE department

The objective of the FDP was achieved. The overall session discussion benefitted the faculty members. This FDP would help the participants to get more knowledge about the advancements smart materials and sensor technology and also it would help them to get direction in their research area.

PAAVAI ENGINEERING COLLEGE, NAMAKKAL
(AUTONOMOUS)
Department of Electronics and Communication Engineering
Academic year 2023-2024

Topic Handled:Recent advances in Smart Materials and sensor Technology

Date:12.02.2024 to 17.02.2024

S.NO	NAME OF THE FACULTY	12.02.2024	13.02.2024	14.02.2024	15.02.2024	16.02.2024	17.02.2024
1	NARAYANI D	P	P	P	P	P	P
2	R.BHUVANESHWARI	P	P	P	P	P	P
3	D.SATHEESHKUMAR DURAISAMY	P	P	P	P	P	P
4	A.GANDHIMATHINATHAN	P	P	P	P	P	P
5	S.BOOPATHI	P	P	P	P	P	P
6	UMA JAISHANKAR	P	P	P	P	P	P
7	M.AMUDHA	P	P	P	P	P	P
8	DR.A.UDHAYAKUMAR	P	P	P	P	P	P
9	B HEMALATHA	P	P	P	P	P	P
10	G.NIRMALA	P	P	P	P	P	P
11	I.AJITHA	P	P	P	P	P	P
12	DR.M.JENATH	P	P	P	P	P	P
13	THIRANDASU BHAVANI	P	P	P	P	P	P
14	S.AMSAVENI	P	P	P	P	P	P
15	DR BHARATH SINGH J	P	P	P	P	P	P
16	J K JEEVITHA	P	P	P	P	P	P
17	S.GNANA SOUNDARI	P	P	P	P	P	P
18	N.ABIRAMI	P	P	P	P	P	P
19	K.BALAKRISHNAN	P	P	P	P	P	P
20	LALITA GOSWAMI	P	P	P	P	P	P
21	DR.P.GOPINATH	P	P	P	P	P	P
22	V.SUMITRA	P	P	P	P	P	P
23	E.ELAKKIYA	P	P	P	P	P	P
24	VETRICHELVI GANAPATHY	P	P	P	P	P	P
25	RAMESH SHANMUGAM	P	P	P	P	P	P
26	U.HARI	P	P	P	P	P	P

27	B.SAKTHIVEL	P	P	P	P	P	P
28	DR. T KAVITHA	P	P	P	P	P	P
29	M JESTIN JOSEPH	P	P	P	P	P	P
30	SHEETAL	P	P	P	P	P	P
31	J.SAMPATHKUMAR	P	P	P	P	P	P
32	DR.S.SUNITHAMANI	P	P	P	P	P	P
33	P PERIYATHAMBI	P	P	P	P	P	P
34	ANGELINE JENNIFER	P	P	P	P	P	P
35	J CATHERINA MARY	P	P	P	P	P	P
36	VALARMATHI	P	P	P	P	P	P
37	ANKITA PUROHIT	P	P	P	P	P	P
38	J.ABANAH SHIRLEY	P	P	P	P	P	P
39	VENKATA RAMANA TENEPALLI	P	P	P	P	P	P
40	L.PAVITHRA	P	P	P	P	P	P
41	S.SARAVANA KUMAR	P	P	P	P	P	P
42	S.SILAMBARASAN	P	P	P	P	P	P
43	DR ANGEL	P	P	P	P	P	P
44	T.RAJKUMAR	P	P	P	P	P	P
45	DR.S.RAJAMANICKAM	P	P	P	P	P	P
46	A.SARAVANAN	P	P	P	P	P	P
47	C.KUMAR	P	P	P	P	P	P
48	R.KARTHIKEYAN	P	P	P	P	P	P
49	K.BALAKRISHNAN	P	P	P	P	P	P
50	A.N.SIVADHARSHANI	P	P	P	P	P	P
51	VIMALA RANI	P	P	P	P	P	P
52	R.PAVITHRA	P	P	P	P	P	P
53	T.R.MUTHU	P	P	P	P	P	P
54	K.SARAVANAKUMAR	P	P	P	P	P	P
55	T.RAJKUMAR	P	P	P	P	P	P
56	S.MANIKANDAN	P	P	P	P	P	P
57	C RAMESH KUMAR	P	P	P	P	P	P
58	BHARGAVI	P	P	P	P	P	P
59	SIVANANTHAM NATARAJAN	P	P	P	P	P	P

60	SEEMA	P	P	P	P	P	P
61	S.R.RAMYA	P	P	P	P	P	P
62	DR. N JEYASHANTHI	P	P	P	P	P	P
63	DR. G.PRAKASH	P	P	P	P	P	P
64	SAIVIJAYALAKSHMI	P	P	P	P	P	P
65	JAYANTHI K	P	P	P	P	P	P
66	KOWSALYA R	P	P	P	P	P	P
67	LAKSHMI R	P	P	P	P	P	P
68	M.SAVITHA	P	P	P	P	P	P
69	B.KARTHIK	P	P	P	P	P	P
70	R. ROSHIKAA	P	P	P	P	P	P
71	D.GOWTHAMI	P	P	P	P	P	P
72	P.LAKSHMI PRIYA	P	P	P	P	P	P
73	Y RAJU	P	P	P	P	P	P
74	DEEPIKA	P	P	P	P	P	P
75	DR. REJO ROY	P	P	P	P	P	P
76	B.BUVANESWARI	P	P	P	P	P	P
77	DR.K.JEYAKANTH	P	P	P	P	P	P
78	KONGARI SRIKANTH	P	P	P	P	P	P
79	DR.V.VASANTHI	P	P	P	P	P	P
80	DR. ALBERT JOHN VARGHESE	P	P	P	P	P	P
81	P NANDHINI	P	P	P	P	P	P
82	DR.VIJAY M	P	P	P	P	P	P
83	DINESH	P	P	P	P	P	P
84	A VINITHA	P	P	P	P	P	P
85	BALAKRISHNAN K	P	P	P	P	P	P
86	DR. REJO ROY	P	P	P	P	P	P
87	NAVEEDA	P	P	P	P	P	P
88	S.VIGNESHWARAN	P	P	P	P	P	P
89	S. ANNALAKSHMI	P	P	P	P	P	P
90	M.JAYADEVAN N	P	P	P	P	P	P
91	ANKITA PUROHIT	P	P	P	P	P	P
92	KALAIVANI	P	P	P	P	P	P

93	R.M.SENTHILKUMAR	P	P	P	P	P	P
94	MANORANJAN SAHOO	P	P	P	P	P	P
95	M JESTIN JOSEPH	P	P	P	P	P	P
96	P. VANITHAMANI	P	P	P	P	P	P
97	L.THIRUMAL	P	P	P	P	P	P
98	DR.R.SUJATHA	P	P	P	P	P	P
99	S.MANIKANDAN	P	P	P	P	P	P
100	S.DEEPANKUMAR	P	P	P	P	P	P
101	M.GAYATHIRI	P	P	P	P	P	P
102	A HEMA MALINI	P	P	P	P	P	P
103	RAMYA VEERABAGHU	P	P	P	P	P	P

u.d
HoD/ECE

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

[Signature]
PRINCIPAL

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL Dis.

PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH – 44, Pachal, Namakkal -637018.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
in association with

The Institution of Electronics and Telecommunication Engineers,

Erode Centre - (IETE)

&

ENTHU TECHNOLOGY, Coimbatore

INVITATION

The Management, Director Administration, Director Admissions,
Principal, Deans, CoE, HoDs, Faculty members and Students

CORDIALLY INVITE YOU FOR THE

Faculty Development Programme - FDP

on

**“AI & Deep Learning Approach for Image Processing and its
Applications”**

Date : 19.06.2023 to 24.06.2023

Time : 11.00a.m -1.00p.m.

Platform : Microsoft Teams

ALL ARE WELCOME

ABOUT THE INSTITUTION

PAAVAI ENGINEERING COLLEGE was started in the year 2001 and promoted by PAVAI VARAM EDUCATIONAL TRUST with the basic principle of providing purposeful, goal-oriented technical education and establishing a center of excellence in Engineering & Technology. The college is approved by AICTE, accredited NAAC with 'A' Grade & affiliated to Anna University, Chennai. The College has 20 UG programs and 7 PG programs. It also has the vision to strive to be a globally model institution all set for taking 'lead-role' in grooming the younger generation socially responsible and professionally competent to face the challenges ahead. It has obtained research grants from Indo-UK Projects, MSME, AICTE, CSIR, DRDO, TNSCST and other funding agencies. The college attracts outstanding students by virtue of its discipline, modern infrastructure, library and faculty.

ABOUT THE DEPARTMENT

The department of Electronics and Communication Engineering is offering B.E(ECE) and M.E (Communication Systems). The department is thrice accredited by NBA, New Delhi and permanently affiliated to Anna university, Chennai. The department promotes R & D activities in related areas in collaboration with industries. The department is enriched with state-of-the-art lab equipments in Circuits lab, R&D lab, VLSI lab, Communication systems lab, Embedded & IoT lab, Networks lab, Virtual & Augmented Reality lab etc. The faculty members are well-experienced and dedicated towards the upliftment of the student community. The students are exposed to the practical and industrial aspects of the subjects through laboratory works, Industrial visits, Internship trainings regularly. Competent faculty, good academic results, University ranks, consistent placement records are the highlights of the department.

ADDRESS FOR COMMUNICATION

The Convener,
Department of ECE,
Paavai Engineering College (Autonomous)
NH-44, Pachal, Namakkal- 637 018.
Mobile : +91 9965543188
E-Mail : pececehod@paavai.edu.in

ORGANIZING COMMITTEE

CHIEF PATRONS

Shri. CA. N.V. NATARAJAN,
Chairman, Paavai Institutions,
Namakkal.

Smt. MANGAI NATARAJAN,
Correspondent, Paavai Institutions,
Namakkal.

PATRONS

Dr. K.K. Ramasamy,
Director - Admin, Paavai Institutions,
Namakkal.

Dr. M. Premkumar,
Principal,
Paavai Engineering College, Namakkal.

Dr.T.Meeradevi,
Chairman, IETE, Erode Centre.

Dr.C.N Marimuthu,
Honorary Secretary, IETE, Erode Centre.

CONVENER

Dr. M.Sudha, M.E., MBA., Ph.D.,
Professor & Head, ECE,
Paavai Engineering College, Namakkal.

Coordinators

Dr.S.Vijayakumar, Professor, ECE (9894445344)

Dr.R.Mohana Priya, ASP, ECE

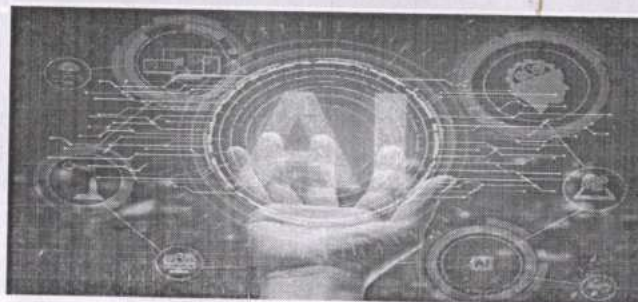
Mrs.C.Vanaja, ASP, ECE

Mr.S.Loganathan, AP, ECE

Mr.S.Satheesh Kumar, AP, ECE

Mr.S.Sathish, AP, ECE

Paavai Engineering College, Namakkal.



IETE - Sponsored Six Days Online Faculty Development Programme

On

AI & Deep Learning Approach for Image Processing and its Applications

19th - 24th June 2023

Organized by

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

in association with

The Institution of Electronics and
Telecommunication Engineers,
Erode Centre.



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on

AI & Deep Learning Approach for Image Processing and its Applications

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Registration Form

Name :
Date of birth & Age :
Qualification :
Experience if any :
Designation & Dept. :
Organization :
Address for communication :

Mobile No :
Email Id :
Amount in Rs :

Signature of the Participant

Place :

Date :

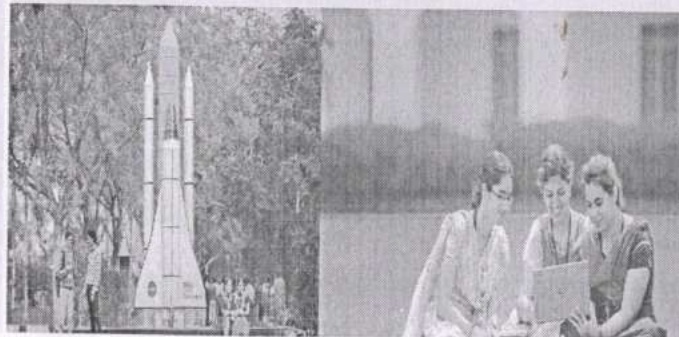
SCOPE & OBJECTIVE OF THE FDP

The six days FDP on AI & Deep Learning Approach for Image Processing and its Application highlights the need for technology upgradation that are necessary in the present scenario. The FDP focuses on enhancing functional area expertise and improving one's delivery both as a teacher and trainer for conducting meaningful research. The scope and future of AI is promising, with continuous advancements in machine learning, natural language processing, and computer vision. AI will augment various industries and transform the way we live and work.

COURSE CONTENTS

- Fundamentals of AI & Deep Learning.
- Deep learning for image processing - MATLAB & Simulink.
- Impacts of Artificial Intelligence & Deep learning technique on Image processing.
- Image recognition with deep neural networks.
- Applications of AI & Deep Learning approach.
- Artificial Intelligence based object detection and tracking.
- Machine learning approaches to empower research.

Sessions will be handled by Academicians and Industrial experts.



EXPECTED OUTCOMES

The participants will be able to

- use the different approaches for image processing in AI & Deep Learning.
- work for different project applications using AI & Deep Learning.

IMPORTANT DATES TO REMEMBER

Last Date for Registration : 16.06.2023
Intimation of confirmation (by E-mail) : 17.06.2023
FDP Dates : 19.06.2023 to 24.06.2023

ELIGIBILITY AND SELECTION

Faculty from AICTE approved institutions and research scholars are eligible to participate in the FDP.

The selection will be based on **first come first serve**.

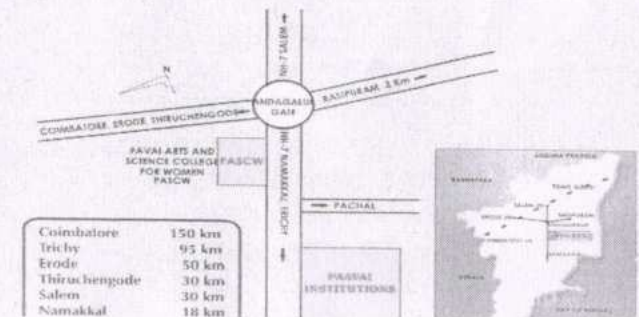
REGISTRATION FEE DETAILS

IETE Members : No fee
Non IETE Members : Rs.100/- per head
Gpay Number : 8778517744

The participants are requested to duly fill in the registration form and send it to the Convener through mail.

Registration Link:

<https://forms.gle/xpL4DPNPcm7hAT6g7>



PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

in association with

**Institution of Electronics and Telecommunication Engineers (IETE), Erode Centre &
Enthu Technologies, Coimbatore.**

IETE Sponsored

REPORT OF FACULTY DEVELOPMENT PROGRAMME

ON

“AI & DEEP LEARNING APPROACH FOR IMAGE PROCESSING AND ITS APPLICATIONS”

A Six-day online Faculty Development Programme on “AI & Deep Learning Approach for Image Processing and its Applications” was organised by the Department of Electronics and Communication Engineering, Paavai Engineering College (Autonomous), Namakkal from 19th June to 24th June 2023, in association with IETE, Erode Centre and Enthu Technologies, Coimbatore.

In the presidential address, Dr. M. Premkumar, Principal, Paavai Engineering College addressed that Artificial intelligence is the need of the hour. He also appreciated the efforts taken by the department in organising such Faculty Development programme. The inauguration was followed with a welcome address and introduction of resource speaker by Dr.R.Mohana Priya, Associate Professor, ECE. Dean Academics, Professors, Dr.M.Sudha, Head of the Department, ECE, Dr.S.Vijayakumar Professor, ECE, Dr.R.Mohanapriya ASP, ECE, Mrs.C.Vanaja ASP, ECE, Mr.S.Loganathan, AP, ECE, Mr.S.Satheesh Kumar AP,ECE, Mr.S.Sathish, AP, ECE, Coordinators of Faculty development programme also attended the inaugural session.

The Speaker of **Day 1 - Dr.G.Kalaiyarasi**, Associate Professor, Department of ECE, VSB Engineering College, Karur presented the topic on Hiper spectral Image Processing and its applications. She explained about key aspects of image processing in all fields. She insisted all the faculty enable their students to develop their skills in Image Processing. She cited a lot of examples and showed videos related to the Hiper spectral Image Processing. The session ended with queries from the participants.

On Day 2, Resource Speaker **Dr.Anju Asokan**, Assistant Professor, Department of CCE, Sri Eswar College of Engineering, Coimbatore. She handled her session on Optimization Techniques for Image Processing Application. She explained about need for optimization technique in image processing and its applications. The session ended with a discussion by the participants.

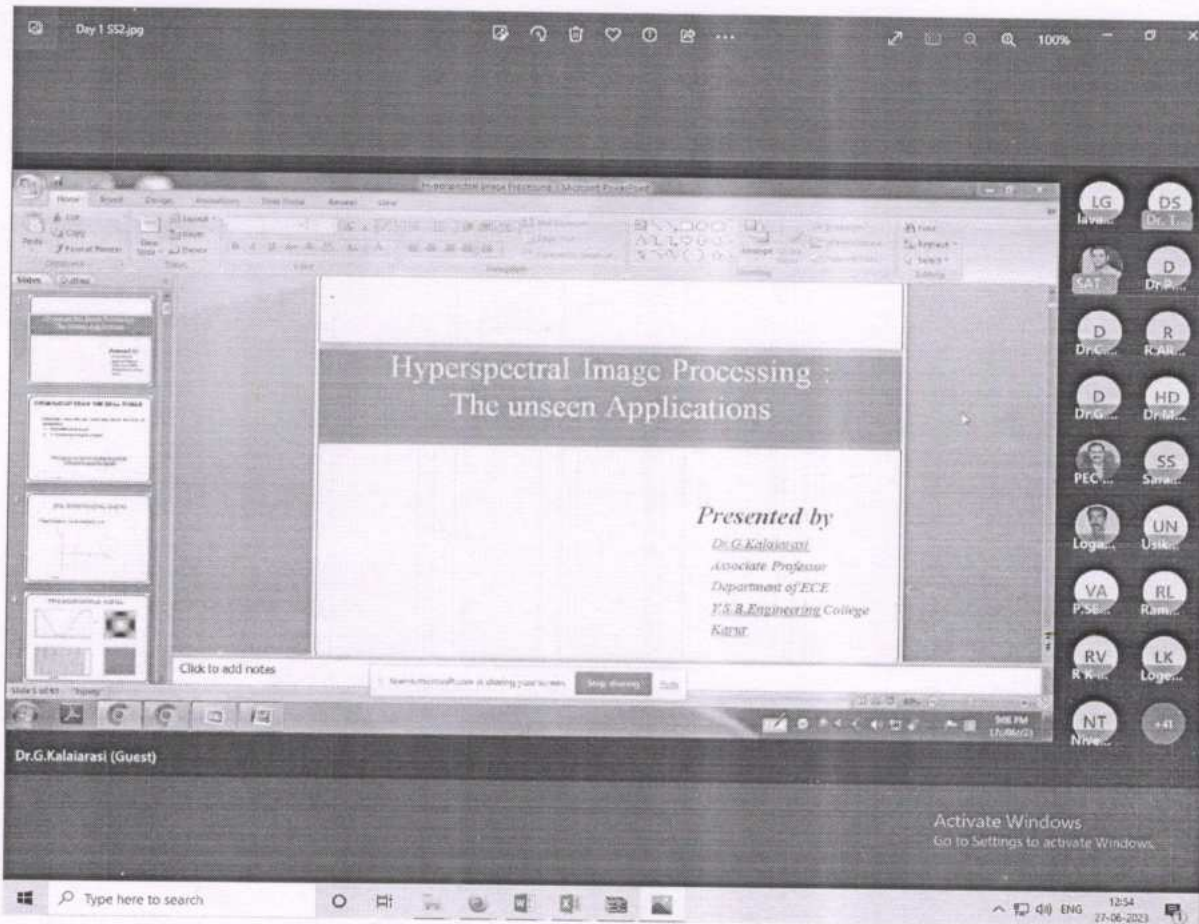
On Day 3, **Dr.D.Rukmani Devi**, Professor, Department of ECE, RMD Engineering College, Chennai. She handled the session on “GAN Deep Learning approaches in image processing applications”. She explained image to image translation, Taxonomy of machine learning. The session ended with a discussion by the participants.

On Day 4, **Dr.S.Sridevi** Associate Professor, School of Computer Science and Engineering, VIT, Chennai discussed about “Hybrid AI technique that leverages merits of deep learning and machine learning”. She explained the advantages of deep learning and machine learning. She also discussed the comparison between human intelligence with AI. The session ended with a discussion by the participants.

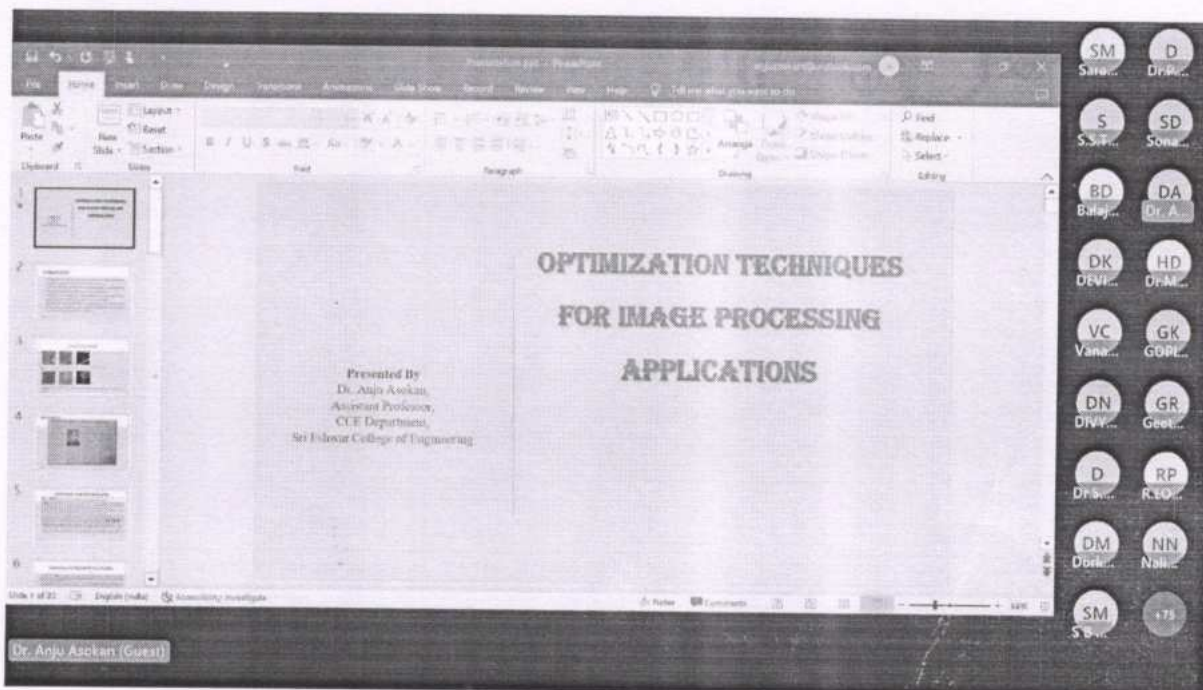
On Day 5, **Dr.S.Kanagamalliga** Associate Professor, ECE, Saveetha Engineering College, Chennai discussed about Artificial Intelligence based object detection and tracking. She elucidated about the AI techniques in object detection. The session ended with a discussion by the participants.

On Day 6, **Dr.K.Subramanian** Technical Lead, Enthi Technologies Pvt., Ltd., discussed Industrial applications of AI. He gave many applications by using artificial Intelligence in industry. He explained AI controlled Home Automation, Google Assistant. The session ended by showing simulation of AI techniques. The six day FDP was ended with a Vote of thanks by Mrs. C.Vanaja, ASP, ECE. The FDP have brought increased self-efficiency and teaching competency among those who were trained. The FDP programme was attended around 200 participants from different Institutions across India.

DAY 1: INAUGURAL & HIPER SPECTRAL IMAGE PROCESSING AND ITS APPLICATIONS



DAY 2:



DAY 3

GAN Deep Learning Approaches to Image Processing Applications

Dr.D.RUKMANI DEVI
 Professor, Department of ECE,
 R.M.D. Engineering College

DAY 4:

Microsoft Teams

58:21

Recording has started. Started by SATHISH.S. By attending this meeting, you consent to being recorded. Privacy policy

Participants

Type a name

Presenters (2)

- Loganathan Srinivasan (Organizer)
- Satheesh Sankaran (Organizer)
- SATHISH.S (Organizer)
- SS Sridevi S (Guest) (Meeting guest)
- Vijayakumar Sundararaja (Organizer)

Attendees (12/1)

- A ANBU RANI (Guest) (Meeting guest)
- Abirami Tamilara... (Guest) (Meeting guest)
- ANDREW PRESH... (External) (External)
- b1 MI FDP USER215 (External) (External)
- BALAMANI T (Guest) (Meeting guest)
- Bharani Nayagi S (Guest) (Meeting guest)
- C Saranya (Guest) (Meeting guest)
- C.SARASWATHY (External) (External)

Slide Content:

IETE Sponsored
 Faculty Development Program on
 "AI & Deep Learning Approach for
 Image Processing and its
 Applications"
 Paavai Engineering College

Hybrid AI technique that leverages merits of deep learning and machine learning

PRESENTED BY

Dr. S. Sridevi
 Associate Professor,
 School of Computer Science and Engineering,
 Vellore Institute of Technology, Chennai

DAY 5:

ARTIFICIAL INTELLIGENCE BASED OBJECT DETECTION AND TRACKING

Presentation
 Dr. S. Kanagamalliga
 Associate Professor/ ECE,
 Saveetha Engineering College,
 Chennai – 602 105.

Apr 23, 2021

Dr Kanagamalliga 5

Zoom Meeting Participants: D, DM, DS, AT, JM, KM, SF, AP, MP, D, SK, D, MA, +71

DAY 6:

Enthu Academic Solutions
 (Academic Division of Enthu Technology Solutions India Pvt Ltd)
 PMP Layout, 5th Street, Deepa Mill Road, Gokulnagar,
 Civil Aerodrome Post, Coimbatore - 643 014,
 east@enthutech.in, www.enthutech.in

INDUSTRIAL APPLICATIONS USING ARTIFICIAL INTELLIGENCE

Organized by
 Department of ECE,
 Paavai Engineering College.

Resource Person
 Dr. Subramanian Kalamuthu,
 Technical Lead
 Enthu Technology Solutions India Pvt Ltd,
 Coimbatore-04.

#enthutech

Dr.K.Subramanian (Guest)

Zoom Meeting Participants: D, PV, SM, R, DM, MT, JL, JK, Vijay..., BS, SD, G, GV, BT, S, S.S.T., L, +41

PAAVAI ENGINEERING COLLEGE, NAMAKKAL
(AUTONOMOUS)
Department of Electronics and Communication Engineering
Academic year 2023-2024

Topic Handled: AI & Deep Learning Approach for Image Processing and its Applications

Date: 19.06.2023 to 24.06.2023

S.NO	NAME OF THE FACULTY	19.06.2023	20.06.2023	21.06.2023	22.06.2023	23.06.2023	24.06.2023
1	G.SURESH	P	P	P	P	P	P
2	R K KAPILA VANI	P	P	P	P	P	P
3	M.SOWMIYA	P	P	P	P	P	P
4	S.PRADEEP	P	P	P	P	P	P
5	L.SHENBAGADEVI	P	P	P	P	P	P
6	R.PRAVEEN KUMAR	P	P	P	P	P	P
7	S.PALANIVEL RAJAN	P	P	P	P	P	P
8	L.JIMSON	P	P	P	P	P	P
9	V.SINDHUJA	P	P	P	P	P	P
10	C.SANTHINI	P	P	P	P	P	P
11	R.ANAND	P	P	P	P	P	P
12	L.RAMESH	P	P	P	P	P	P
13	P.GEETHA	P	P	P	P	P	P
14	G.GOMATHI	P	P	P	P	P	P
15	DR.P.BABU	P	P	P	P	P	P
16	DR.S.SARUMATHI	P	P	P	P	P	P
17	B.LATHA	P	P	P	P	P	P
18	V.SUMATHY	P	P	P	P	P	P
19	DR.G.KAVITHAA	P	P	P	P	P	P
20	T.BALAMANI	P	P	P	P	P	P
21	DR S B MOHAN	P	P	P	P	P	P
22	DR C.THIRUMARAI SELVI	P	P	P	P	P	P
23	G. DAYALIN LEENA	P	P	P	P	P	P
24	DR.N.V.S.SREE RATHNA LAKSHMI	P	P	P	P	P	P

25	D.KIRUTHIKA	P	P	P	P	P	P
26	V.VISHNU PRIYA	P	P	P	P	P	P
27	G.TONY SANTHOSH	P	P	P	P	P	P
28	A.DIVYA	P	P	P	P	P	P
29	P.TSIVAGURUNATHAN	P	P	P	P	P	P
30	G JULIN LEEYA	P	P	P	P	P	P
31	SONALI JAIDEEP DHAMELE	P	P	P	P	P	P
32	J.PRATHIBANANDHI	P	P	P	P	P	P
33	DR.E.DINESH	P	P	P	P	P	P
34	DR.J.JOSELIN JEYA SHEELA	P	P	P	P	P	P
35	G. LAVANYA	P	P	P	P	P	P
36	K.BALA MAHESWARI	P	P	P	P	P	P
37	MS S THANGAMANI	P	P	P	P	P	P
38	DR.M.PARIMALA DEVI	P	P	P	P	P	P
39	M.SOUNDARYA	P	P	P	P	P	P
40	DR.M.RADHIKA	P	P	P	P	P	P
41	P.SOWMIYA	P	P	P	P	P	P
42	ANNA ANBUMOZHI	P	P	P	P	P	P
43	USIKELA NARESH	P	P	P	P	P	P
44	S.RAJA	P	P	P	P	P	P
45	S.KARTHIK	P	P	P	P	P	P
46	M MAHESWARI	P	P	P	P	P	P
47	K.S.MURUGESAN	P	P	P	P	P	P
48	M.JAGANATH	P	P	P	P	P	P
49	S.BHARANI NAYAGI	P	P	P	P	P	P
50	MRS.S S.THAMILSELVI	P	P	P	P	P	P
51	K.DEVIBALAN	P	P	P	P	P	P
52	T.ABIRAMI	P	P	P	P	P	P
53	DR.B.SATHYASRI	P	P	P	P	P	P
54	G.GOMATHI	P	P	P	P	P	P
55	K.SHARMELA	P	P	P	P	P	P

56	N.DIVYAA	P	P	P	P	P	P
57	DR.B.MAHALAKSHMI	P	P	P	P	P	P
58	M.NISHA	P	P	P	P	P	P
59	T.DIVYA	P	P	P	P	P	P
60	R.M.SENTHILKUMAR	P	P	P	P	P	P
61	G.SASIKALA	P	P	P	P	P	P
62	DR.P.MADHUBALA	P	P	P	P	P	P
63	DR.K.AANANDHA SARAVANAN	P	P	P	P	P	P
64	S.JANANI	P	P	P	P	P	P
65	M.N.KAVITHA	P	P	P	P	P	P
66	DR.C.RAJASEKARAN	P	P	P	P	P	P
67	P.NANDHINI	P	P	P	P	P	P
68	R.LAKSHMI	P	P	P	P	P	P
69	N.MAHENDRAN	P	P	P	P	P	P
70	DR A.SRIDEVI	P	P	P	P	P	P
71	S.DURAI ARUMUGAM	P	P	P	P	P	P
72	DR.J.SAMPATHKUMAR	P	P	P	P	P	P
73	S.SUBASELVI	P	P	P	P	P	P
74	T.MEKALA	P	P	P	P	P	P
75	T.SIVALINGAM	P	P	P	P	P	P
76	DR. K. KARTHIKEYAN	P	P	P	P	P	P
77	S.SARANYA	P	P	P	P	P	P
78	S.VIJAYASHAARATHI	P	P	P	P	P	P
79	K. GOPI	P	P	P	P	P	P
80	E.PRAGATHEESWARI	P	P	P	P	P	P
81	M.FLORA MARY	P	P	P	P	P	P
82	C.VANAJA	P	P	P	P	P	P
83	DR.S.VIMALNATH	P	P	P	P	P	P
84	M.MAHARAJA	P	P	P	P	P	P
85	DR.SURAYA MUBEEN	P	P	P	P	P	P
86	A.P.SWARNALATHA	P	P	P	P	P	P

87	DR. B. GOMATHEESHWARI	P	P	P	P	P	P
88	D.RAJESH KUMAR	P	P	P	P	P	P
89	DR.P.GOPINATH	P	P	P	P	P	P
90	DR.G.ALOY ANUJA MARY	P	P	P	P	P	P
91	V.DINESH	P	P	P	P	P	P
92	K.SARANYA	P	P	P	P	P	P
93	B.SARITHA	P	P	P	P	P	P
94	T.NIVETHITHA	P	P	P	P	P	P
95	M.G.RAJENDRAKUMAR	P	P	P	P	P	P
96	K.PRIYADEVI	P	P	P	P	P	P
97	DR A KAVITHA	P	P	P	P	P	P
98	A.ANANDKUMAR	P	P	P	P	P	P
99	DR.A.UDHAYAKUMAR	P	P	P	P	P	P
100	M.KARTHIKEYAN	P	P	P	P	P	P
101	A.MAHESHWARI	P	P	P	P	P	P
102	R.LOGA PRIYA	P	P	P	P	P	P
103	MRS.R.KAVITHA	P	P	P	P	P	P
104	M.AMUTHA	P	P	P	P	P	P
105	R.ARUNKUMAR	P	P	P	P	P	P
106	S. KEERTHANA	P	P	P	P	P	P
107	N.DIVYAA	P	P	P	P	P	P
108	D.BALAJI	P	P	P	P	P	P
109	C.AMBĪKA BHUVANESWARI	P	P	P	P	P	P
110	M.RUBA	P	P	P	P	P	P
111	P PERIYATHAMBI	P	P	P	P	P	P
112	M.DURKADEVI	P	P	P	P	P	P
113	P.SENTHILKUMAR	P	P	P	P	P	P
114	C.SANTHINI	P	P	P	P	P	P
115	V.VANATHE	P	P	P	P	P	P
116	M.MARTINA JOSE MARY	P	P	P	P	P	P
117	S.THEIVANAYAKI	P	P	P	P	P	P

118	M.SWATHI	P	P	P	P	P	P
119	N.KANIMOZHI	P	P	P	P	P	P
120	P.RAMAKRISHNAN	P	P	P	P	P	P
121	N.KAVITHA	P	P	P	P	P	P
122	P.T.SIVAGURUNATHAN	P	P	P	P	P	P
123	A.DIVYA	P	P	P	P	P	P
124	R.LAVANYA	P	P	P	P	P	P
125	D.GOWTHAMI	P	P	P	P	P	P
126	A.ANBU RANI	P	P	P	P	P	P
127	P.THILAGAVATHI	P	P	P	P	P	P
128	V.LAVANYA	P	P	P	P	P	P
129	DR. M. MANIKANDAN	P	P	P	P	P	P
130	DR. P. VEERAMANIKANDAN	P	P	P	P	P	P
131	L.SRINIVASAN	P	P	P	P	P	P
132	DR.C.MARIYAL	P	P	P	P	P	P
133	DR.P.MADHUBALA	P	P	P	P	P	P
134	P.SELVAM	P	P	P	P	P	P
135	M.KUMAR	P	P	P	P	P	P
136	S.GAYATHRI	P	P	P	P	P	P
137	DR. T. RAJESH	P	P	P	P	P	P
138	C.GANESH	P	P	P	P	P	P
139	K.JOTHIMANI	P	P	P	P	P	P
140	S.BOOPATHY	P	P	P	P	P	P
141	K.MOHAMED ISMAIL	P	P	P	P	P	P
142	C.SUPRAJA	P	P	P	P	P	P
143	DR R.POORNACHANDRAN	P	P	P	P	P	P
144	DR.S.SARUMATHI	P	P	P	P	P	P
145	KASULA RAGHU	P	P	P	P	P	P
146	DR. T. MANJULA	P	P	P	P	P	P
147	MR S.OHMSHANKAR	P	P	P	P	P	P
148	S.HEMALATHA	P	P	P	P	P	P

149	DR.A.UDHAYAKUMAR	P	P	P	P	P	P
150	M.NISHA	P	P	P	P	P	P
151	GOKULAVANID	P	P	P	P	P	P
152	V.PREM SANGEETH	P	P	P	P	P	P
153	G.BOOPATHI RAJA	P	P	P	P	P	P
154	PRASAD ATHUKURI	P	P	P	P	P	P
155	EPISTLE	P	P	P	P	P	P
156	DR.S.VENKATESH BABU	P	P	P	P	P	P
157	MAHALAKSHMI V	P	P	P	P	P	P


HOD/ECE

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


PRINCIPAL

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL Dist

PAAVAI ENGINEERING COLLEGE



(AUTONOMOUS)

Pachal, Namakkal-637018



Department of Mechanical Engineering

In association with Resource club

**Cordially Invite you all for the
Faculty Development Programme**

on

Overview on Value Stream Mapping & Lean Manufacturing Tools and Techniques



Resource speaker:

Dr.G.SUNDARAMALI

ASP/Mechanical

**Department of Manufacturing Technology,
School of Mechanical Engineering,**

VELLORE INSTITUTE OF TECHNOLOGY, Vellore.

Dates: 22.01.2024 to 27.01.2024

PLATFORM : MICROSOFT TEAMS

Link: <https://tinyurl.com/4atzs7y>

COORDINATORS:

**Dr.C.Suresh
ASP/Mechanical
Mr.J.Sujithkumar
AP/Mechanical**

CONVENOR:

**Dr.A.P.Sivasubramaniam
HOD/Mechanical**

PATRON:

**Dr.M.Premkumar
Principal**

**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

DEPARTMENT OF MECHANICAL ENGINEERING

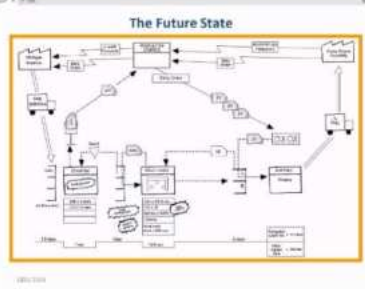
A Faculty development Programme on '**Overview on Value Stream Mapping and Lean Manufacturing Tools and Techniques**' was organized by the Department of Mechanical Engineering and Resource club on 22.01.2024 to 27.01.2024. This programme imparts basic knowledge on manufacturing techniques. The resource person was **Dr.G.Sundarmali** ASP/MECH, VIT, and VELLORE. He is a renowned academician who is working on industrial problems.

The HoD, in his presidential address urged the participants to utilize the opportunity to update their knowledge in the domain of Manufacturing, and the techniques followed in production unit to improve its efficiency.

The guest speaker **Dr.G.Sundarmali** ASP/MECH began his lecture by giving a brief about manufacturing techniques involved and the tools that are implemented to improvise the same. He also shared the principles of value stream mapping and other lean tools that are used to increase the overall efficiency of the production firm. He also gave tips to undergo projects in connection with lean manufacturing for the students. The programme was interesting, informative and interactive. The session was beneficial to the participants which was clear from the enthusiasm they expressed during interactions.

12:59

VoLTE 55% 38



Sathees Thangavelu

+32



Dr. G Sund...

Leo Sonu




PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
Faculty Development Programme

on
Overview on Value Stream Mapping and Lean Manufacturing Tools and Techniques

Attendance Report

S.No	Name of the Faculty	Designation	22.01.24	23.01.24	24.01.24	25.01.24	27.01.24
1.	Dr.A.P.Sivasubramaniam	Prof/Mech	Present	Present	Present	Present	Present
2.	Dr.K.Sundara Murthy	Prof/Mech	Present	Present	Present	Present	Present
3.	Dr.M.Makesth	Prof/Mech	Present	Present	Present	Present	Present
4.	Dr.V.Subburam	Prof/Mech	Present	Present	Present	Present	Present
5.	Dr.M.S.Vijayanand	ASP/Mech	Present	Present	Present	Present	Present
6.	Dr.P.Pugalenthi	ASP/Mech	Present	Present	Present	Present	Present
7.	Dr.S.Maniraj	AP/Mech	Present	Present	Present	Present	Present
8.	Dr.S.T.Kumaravel	ASP/Mech	Present	Present	Present	Present	Present
9.	S.Prabhakaran	ASP/Mech	Present	Present	Present	Present	Present
10.	S.Karthikeyan	ASP/Mech	Present	Present	Present	Present	Present
11.	M.Vinothkumar	ASP/Mech	Present	Absent	Present	Present	Present
12.	K.Anand	ASP/Mech	Present	Present	Present	Present	Present
13.	S.A.Venkatesh	ASP/Mech	Present	Present	Present	Present	Present
14.	T.Thangavel	ASP/Mech	Present	Present	Present	Present	Present
15.	R.Mohanraj	ASP/Mech	Present	Present	Present	Present	Present
16.	Dr.V.Senthilkannan	ASP/Mech	Present	Present	Present	Present	Present
17.	P.Selvakumar	ASP/Mech	Present	Present	Present	Present	Present
18.	Dr.M.Selvaraj	AP/Mech	Present	Present	Present	Present	Present
19.	N.Lokeshwaran	AP/Mech	Present	Present	Present	Present	Present
20.	J.Sujith Kumar	AP/Mech	Present	Present	Present	Present	Present
21.	N.Manigandan	AP/Mech	Present	Present	Present	Present	Present
22.	D.Anandan	AP/Mech	Present	Present	Present	Present	Present
23.	R.Karthick	AP/Mech	Present	Present	Present	Present	Present
24.	S.Gopalakrishnan	AP/Mech	Present	Present	Present	Present	Present
25.	G.Sureshkumar	AP/Mech	Present	Present	Present	Present	Present
26.	T.Sathees	AP/Mech	Present	Present	Present	Present	Present
27.	K.Loganathan	AP/Mech	Present	Present	Present	Present	Present
28.	M.Soundararajan	AP/Mech	Present	Present	Present	Present	Present
29.	R.Meiyazhagan	AP/Mech	Present	Present	Present	Present	Present
30.	M.Matheswaran	ASP/R&A	Present	Present	Present	Present	Present
31.	R.Duraimurugan	ASP/R&A	Present	Present	Present	Present	Present
32.	S.Surya Kumar	ASP/R&A	Present	Present	Present	Present	Present
33.	P.Raja	ASP/R&A	Present	Present	Present	Present	Present
34.	T.Aravind	ASP/R&A	Present	Present	Present	Present	Present
35.	P.Elanchezhian	AP/R&A	Present	Present	Present	Present	Present
36.	R.Bharath	ASP/R&A	Present	Present	Present	Present	Present
37.	P.Devarajan	ASP/SFE	Present	Present	Present	Present	Present
38.	A.Rajasekar	AP/SFE	Present	Present	Present	Present	Present
39.	K.Mohanraj	AP/SFE	Present	Present	Present	Present	Present


PAAVAI ENGINEERING COLLEGE
24-7 PACHAL Post, NAMAKKAL Dis.


HOD

OBJECTIVE

Enhance industrial process efficiency, reliability, and safety through SCADA systems while optimizing power plant operations for sustainable energy generation.

COURSE CONTENTS

- ✓ SCADA and Overview of communication protocol.
- ✓ SCADA systems in Electrical Distribution Network
- ✓ Advance SCADA for smart grid and electrical distribution systems
- ✓ Cyber security in SCADA for Electrical distribution systems
- ✓ Data Analysis and SCADA for predictive Maintenance in distribution systems.

ELIGIBILITY

- ✓ Engineering colleges/ Polytechnic Teachers working in various disciplines.
- ✓ Practicing engineers from industries.
- ✓ Engineers /Scientists from R&D Organizations.
- ✓ PG Students.

REGISTRATION DETAILS

Registration for Faculty Development Program can be made by Registration. Total number of participants is limited to 100 members. Confirmation of participation is to be made after the selection intimation from the organizers. Selection is done on first come first serve basis

Registration link:

<http://tinyurl.com/Reg22224>

DATES TO REMEMBER

Last date for Registration : 12-12-2023
Intimation to Participants : 14-12-2023
Confirmation by Participants : 16-12-2023

ORGANIZING COMMITTEE

PATRONS

Dr. M.PREMKUMAR, M.E., Ph.D.,
Principal, Paavai Engineering College.

Prof. B.MURALI BABU,
Professor and CoE /EEE,

CONVENER

Dr. G.Bakaji, M.E., Ph.D,
Head of the Department /EEE,

COORDINATORS

Dr. A.Rathinam, M.E., Ph.D,
Professor /EEE,

Dr.C.Arulkumar Associate
Professor / EEE

ADDRESS FOR COMMUNICATION

Dr. G.Balaji, M.E., Ph.D,
Head of the Department /EEE,
Paavai Engineering College,
NH-7, Pachal, Namakkal-637 018.

Mobile : 98428 81388

E-Mail: peceeehod@paavai.edu.in



PAAVAI ENGINEERING COLLEGE
(Autonomous)

NH-44, Namakkal, Tamilnadu, India

Department of Electrical & Electronics Engineering

Organises

Five-Day online
Faculty Development Program
On

**SCADA Systems for
Electrical Distribution**

Date | 18.12.2023 to 22.12.2023

Time | 6.00pm to 7.00pm





PAAVAI ENGINEERING COLLEGE

(Autonomous)

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

INVITATION

The Management, Director Administration, Principal, Deans,
CoE, HoDs, Staff members and Students

CORDIALLY INVITES YOU FOR THE

*A Five Day Online Faculty Program in the
Department of EEE has conducted an*

“SCADA Systems for Electrical Distribution”

Resource Person

Mr.D.Anbarasu, Dr. M. Ramkumar, Dr. E. Sanjeevikumar, Dr.

Arulkumar and Dr.Syed Mohamed

Department of EEE.

Paavai Engineering College ,

Namakkal.

Date : 18th to 22nd December 2023

Time : 6 pm to 7.00 PM

Venue : Online Microsoft Teams

ALL ARE WELCOME

PAAVAI ENGINEERING COLLEGE

(Autonomous)

The department of EEE has conducted a Fivedays Faculty Development Program on "SCADA Systems for Electrical Distribution"

AGENDA

Date: 18.12.2023 (Monday)

Time: 6 pm to 6.15 pm.

◆ **Prayer**

Selvi.M.Sabitha

Selvi.M.Iniya,

IV Year EEE

◆ **Welcome Address**

Selvi. S.Sharmila,

IVI Year EEE

◆ **Principals Address**

Dr.M.Premkumar,

Principal,

Paavai Engineering College

◆ **Presidential Address**

Dr.K.K.Ramasamy,

Director Administration,

Paavai Educational Institutions

◆ **Chief Guest Introduction**

Selvan.P.VishwaBharath .

IV Year EEE

◆ **Chief Guest Address:**

Dr.M. Syed Mohamed

Department of CSE.

Crecent Engineering College, Chennai.

◆ **Vote of Thanks:**

Selvan. Komaraprasad,

IV Year EEE



PAAVAI ENGINEERING COLLEGE
(Autonomous)

NH-44, Namakkal, Tamilnadu, India

Department of
Electrical & Electronics Engineering

Five-Day online FDP on
SCADA Systems for Electrical Distribution

- : **Resource Persons** : -

Mr.Ramkumar.M

Electromagnetic design,
India application Engineer
Bangaluru, Karnataka,

Mr.Anbarasu.D.

National power training institute
NPTI Power system training institute
Bangaluru.

Dr. Sanjeevikumar

Amrita University,
Chennai

Dr.C.ArulKumar

Electrical and Electronic Engineering
Paavai Engineering College,
Namakkal

Dr. E.Syed Mohamed

Professor and head/CSE,
Crescent Institute of science and technology,
Chennai

THE DEPARTMENT OF EEE ORGANIZED AN ONLINE FDP ON 18.12.2023
18th to 22nd Dec, 2023

The Department of Electrical and Electronics Engineering of Paavai Engineering College organized an Five days Online Faculty Development Program on " SCADA Systems for Electrical Distribution Systems" on 18 December, 2023 at online mode.

Dr. E.Syed Mohamed, Professor and head, CSE, Crecent Institute of science and technology, Chennai. were the resource person. The welcome address was given by M.Sabitha and R.Elakya, EEE and Chief Guest introduction given by P.VishwaBharath. The resource persons explained about the significance of Introduction to SCADA Systems in Electrical Distribution Networks

Resource Persons taken the topics

1. **Dr. E.Syed Mohamed, Professor and head, CSE, Crecent Institute of science and technology, Chennai.**

"Cybersecurity in SCADA for Electrical Distribution Systems"

Electrical distribution networks depend on SCADA systems to function, however because of their growing interconnectedness and dependence on digital infrastructure, these systems are susceptible to cyberattacks. Maintaining grid resilience, safety, and dependability requires strong cybersecurity for SCADA systems. The significance of cybersecurity in SCADA power distribution systems. Because SCADA systems oversee electrical distribution networks' real-time operations, they are a prime target for hackers. The following factors make cybersecurity important: Security of the Nation: Critical infrastructure includes electrical grids, and attacks on SCADA systems have the potential to compromise public safety and interrupt vital services. Operational Reliability: Decreased grid performance, equipment damage, and outages can result from compromised SCADA systems. Economic Impact: Customers and utilities may suffer large financial losses as a result of outages or damage brought on by cyber attacks. Data Integrity: In order to make decisions, SCADA systems depend on timely and accurate data; altering this data may result in improper operational reactions. Changing Threat Environment: Cybersecurity has become a major concern due to the increase in ransomware and advanced persistent threats (APTs) that target industrial control systems. Risks: Legacy Systems: A large number of SCADA systems still rely on antiquated hardware and software that lacks contemporary security features. Insecure Communication Protocols: Modbus and DNP3 are two examples of protocols that frequently lack encryption, leaving them open to manipulation and interception. Inadequate Access Control: Unauthorised access to vital systems may be made possible by inadequate authentication procedures. Risks of Remote Access: As remote monitoring becomes more common, it creates new avenues for potential attackers to enter. 1. Network Segmentation: Keep public and business networks apart from SCADA networks. Advanced Persistent Threats (APTs): Highly sophisticated, long-term attacks targeting critical infrastructure. To manage traffic between segments, use firewalls and demilitarised zones (DMZs). 2. Secure Communication Protocols: To safeguard data while it's in transit, use encryption (such as TLS). Modern, secure protocols can be used to replace or improve outdated, insecure ones. 3. Robust Authentication and Access Control: Make sure all users have multi-factor authentication (MFA). To limit access according to work duties, use role-based access control, or RBAC. 4. Frequent Software Updates and Patching: To guard against known vulnerabilities, keep SCADA firmware and software updated. Create a patch management procedure to ensure updates are made on time. 5. Intrusion Detection and Real-Time Monitoring: To detect and stop harmful activities, use intrusion detection and prevention systems (IDPS). For centralised monitoring, make use of Security Information and Event Management (SIEM) solutions. 6. Incident Response Planning: To guarantee a speedy and efficient recovery from cyber incidents, create and test an incident response plan on a regular basis. 7. Employee Awareness and Training: Educate employees on cybersecurity best practices

and how to spot attempts at social engineering and phishing. 8. Backup and Recovery: Ensure safe storage and keep frequent backups of important data. To reduce downtime in the case of an attack, test restoration protocols. 9. Adherence to Cybersecurity Standards: Follow guidelines such as IEC 62443 for the security of industrial control systems and NERC-CIP (North American Electric Reliability Corporation Critical Infrastructure Protection).

2. **Mr. M.Ramkumar Electro magnetic design, India application Engineer, Banglore, Karnataka**

“Advanced SCADA for Smart Grid and Electrical Distribution Automation”

As electrical grids transition into smarter, more efficient systems, SCADA plays a pivotal role in enabling automation, real-time monitoring, and predictive capabilities. Advanced SCADA systems integrate seamlessly with smart grid technologies, enhancing the reliability, efficiency, and sustainability of electrical distribution networks. SCADA and smart grid technology integration. An intelligent and dynamic electrical distribution network is made possible by the combination of SCADA and smart grid technologies. Important elements consist of: Two-Way Communication: SCADA systems make it possible for the grid and customers to communicate in both directions, which is essential for smart grid operations. Integration with IoT Devices: For improved grid visibility and control, SCADA integrates data from IoT-enabled devices such as smart meters, sensors, and automated switches. Distributed Energy Resources (DERs): To ensure that DERs—like solar panels, wind turbines, and battery storage—integrate into the grid efficiently, SCADA controls and optimises them. Interoperability Standards: To guarantee interoperability with various smart grid components, standardised communication protocols (such as IEC 61850 and DNP3) are used. sophisticated functions include predictive maintenance, real-time monitoring, and demand response. Demand Response: By keeping an eye on grid conditions and modifying power consumption patterns during periods of peak load, SCADA enables demand response systems. lessens network stress by enabling dynamic pricing and real-time load control. Real-time monitoring: ongoing observation of system health, power quality, and voltage levels. ensures prompt reactions to possible problems by providing immediate alerts for irregularities. Predictive maintenance plans maintenance by forecasting equipment breakdowns using both historical and current data. prolongs the life of vital infrastructure and decreases downtime. Optimising energy storage and distribution involves controlling the flow of stored energy during peak and off-peak hours and managing energy storage systems (ESS). ensures load balancing and optimal distribution. • SCADA's function in enhancing fault detection and automation in electrical distribution. Distribution Automation: By managing and keeping an eye on feeders, transformers, and switchgear, SCADA makes it possible to automate distribution networks. employs self-healing techniques, in which the system isolates errors on its own and brings service back to parts that are not impacted. Fault Detection and Isolation: Using sensors and sophisticated analytics, faults can be found in real time. reduces the time needed for diagnosis and repair by pinpointing the precise location of defects. Network topology is automatically changed to redirect electricity and reduce service outages. Load balancing: Ensures effective use of network capacity by dynamically modifying power flow to avoid overloads. Improved Grid Reliability: By giving operators useful information and instruments for making decisions in an emergency, sophisticated SCADA systems increase grid resilience. .

3. **Mr.D.Anbarasu, National Power Training Institute, NPTI power system training insitute Bangaluru**

“Data Analytics and SCADA for Predictive Maintenance in Electrical Distribution SCADA-based Energy”

Electrical distribution network maintenance procedures are changing as a result of the integration of SCADA and data analytics. Predictive maintenance improves dependability and lowers costs by anticipating equipment breakdowns and optimising maintenance schedules using real-time data and sophisticated analytics. • Predictive maintenance and condition monitoring using SCADA data. SCADA Data for Condition Monitoring: SCADA systems offer real-time information on vital electrical

equipment parameters, including: Current, Voltage, and Strength Flow: Keeps an eye on power quality and load circumstances. Temperature: Monitors the electrical health of wires and transformers. Frequency and Harmonics: Evaluates the system's health and stability. Switching Events: Keeps track of switchgear and circuit breaker activities to spot wear trends. Predictive maintenance application: Real-time notifications when parameters depart from typical operating ranges are known as anomaly detection. Data analytics and machine learning methods for issue finding and system health tracking. Data preprocessing: SCADA data is frequently unreliable and noisy. To guarantee accurate analysis, preprocessing entails cleaning, normalising, and filling in missing data. Methods of Machine Learning: Supervised Learning Models of Classification: Determine the different kinds of faults using labelled data from the past (e.g., Support Vector Machines, Random Forests). Regression models, such as Linear Regression and Gradient Boosting, are used to forecast the equipment's remaining usable life (RUL). Unmonitored Education: To find anomalies, clustering groups similar operational states together (e.g., K-Means, DBSCAN). Dimensionality Reduction: Maintains important patterns (e.g., Principal Component Analysis, t-SNE) while simplifying high-dimensional SCADA data. Analysis of Time-Series: Examine trends and seasonal patterns in equipment performance using ARIMA models. Recurrent Neural Networks (RNNs): Predict faults by capturing temporal dependencies in SCADA data. Convolutional Neural Networks (CNNs) in Deep Learning: Examine SCADA data shown as heatmaps or graphs for sophisticated defect identification. Autoencoders: Recognise small irregularities by identifying deviations and reproducing typical operational patterns. Analytics for System Health Monitoring and Fault Detection: In order to comprehend prior performance, descriptive analytics summarises historical data. Predictive analytics uses trends and anomalies to forecast when equipment will break in the future. Prescriptive analytics: Suggests the best maintenance practices to prevent issues. SCADA integration: Dashboards: Analytics data are visualised in real time for operators. Alerts and Suggestions: Automatic creation of maintenance plans and useful information. Cloud Integration: For scalability and enhanced analytics, SCADA data is processed and stored in cloud environments. dvantages of Integrating SCADA-Improved Equipment with Data Analytics Lifespan: Catastrophic failures are avoided by detecting wear and tear early on. Cost savings: prolongs the life of assets and cuts down on needless maintenance. Improved Reliability: Reduces outages and guarantees uninterrupted power supply. Effective Resource Allocation: Concentrates maintenance activities on equipment that poses a high risk. Because SCADA systems allow for real-time power distribution network monitoring, control, and optimisation, they are essential to contemporary energy management. This results in increased effectiveness, financial savings, and flexibility to meet changing energy needs.

4. **Dr. Sanjeevikumar, Amrita University, Chennai.**

“SCADA Systems in Electrical Distribution Networks”

Electrical distribution network monitoring and control depend heavily on Supervisory Control and Data Acquisition (SCADA) systems. They make it possible for power distribution to be managed effectively, dependably, and automatically, guaranteeing that supply keeps up with demand with little downtime and improved operational safety. An overview of the architecture and components of SCADA. Master Terminal Unit (MTU): A centralised system that gathers information from field devices and transmits control directives, situated at the control centre. Remote Terminal Unit (RTU): Field devices that communicate with devices such as transformers and circuit breakers in order to gather information and provide control signals. PLCs, or programmable logic controllers, are more adaptable and able to manage complicated tasks than RTUs. Human-Machine Interface (HMI): A graphical user interface that enables operators to give commands and keep an eye on system status. Communication Network: Uses protocols like Modbus, DNP3, or IEC 60870-5-104 to connect the MTU, RTUs, and PLCs. Actuators and sensors: Measure system variables like temperature, voltage, and current and carry out operations like opening and closing breakers. Architecture: Centralised Architecture: Every control action and piece of data is handled centrally. Distributed Architecture: This approach offers greater scalability and dependability by distributing control among several systems. Redundant Systems: Reliability and fault tolerance are guaranteed by backup parts and communication channels.

5. **Dr. C. Arulkumar, PEC, Namakkal**

“Management and Optimization in Electrical Distribution”

Methods for SCADA-based real-time energy management.

1. Real-Time Monitoring and Control: Constant monitoring of power flow, energy consumption, and system parameters like frequency, voltage, and current. Circuit breakers, switches, and transformers can be operated remotely to react quickly to shifting load conditions.
2. Demand Response and Load Forecasting: This technique makes use of both historical and current data to forecast trends in energy usage. putting demand response plans into action to dynamically balance supply and demand.
3. Integration of Renewable Energy: Controlling distributed energy resources (DERs), such as wind turbines and solar panels. optimising the production and storage of renewable energy in real time to maintain grid stability.
4. Load balancing and peak shaving: dynamic power flow modification to prevent feeder and transformer overload. lowering peak demand by using energy storage devices effectively and implementing controlled load shedding.
5. Power Quality Management: To preserve power quality, keep an eye out for and deal with problems including voltage sags, swells, and harmonic distortions. Power distribution is optimised for energy efficiency and cost reduction.

1. Loss Reduction: Identifying energy losses in the distribution network in real time. power flow optimisation to reduce technical losses in cables and transformers.
2. Energy Efficiency Measures: Optimising load profiles and identifying trends of wasteful energy use.
3. Economic Dispatch: Algorithms are used to identify the most economical mix of electricity sources to satisfy demand. using renewable energy sources to cut expenses and lessen reliance on fossil fuels.
4. Optimal Asset Utilisation: maximising the usage of current infrastructure and avoiding equipment overload. extending the life of switchgear, transformers, and other important equipment.
5. Advanced Analytics for Optimisation: Predictive analytics and optimisation through the use of AI and machine learning approaches. scenario analysis to evaluate how various operational approaches affect efficiency and cost.

Case Study 1: Urban Grids' Peak Load Management Context: During peak hours, a city's distribution system experienced frequent overloads. Solution: SCADA technologies were put in place to automate load shedding and monitor real-time load data. Result: Improved grid reliability, reduced energy expenditures, and a 20% reduction in peak demand.

Case Study 2: Smart Grid Integration of Renewable Energy Background: A utility wanted to incorporate 40% renewable energy into its system of distribution. Solution: SCADA systems dynamically balanced generation and demand by optimising the energy flow from wind turbines and solar farms. Result: Enhanced use of renewable energy, decreased dependency on fossil fuels, and maintained grid stability.

Case Study 3: Reducing Losses in an Urban Distribution System Context: A rural distribution network was found to have high technical losses. Solution: To cut down on power losses, SCADA systems redesigned the network topology and located loss-prone regions. Results: Improved service dependability and a 15% decrease in technical losses were attained

The Head of Department, Senior faculty members and Students have participated in the session and benefitted. The Vote of thanks was delivered by Komaraprasad in the end. Dr.G.Balaji, Prof and Head/EEE, Dr.A.Rathinam, Prof/EEE and A.Arulkumar Associate Professor/EEE took care of the arrangements required to organize the program.



Meeting Summary						
Total Number of Participants	96					
Total Number of Unidentified	0					
Meeting Title	General		General		General	
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Meeting End Time	12/18/2023, 7:10:26 PM		12/19/2023, 7:05:06 PM		12/20/2023, 7:04:46 PM	
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 Professor & HOD
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 Paavai Engineering College
 Namakkal - 637 013.

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govindharaj	12/21/2023, 6:09:54 PM	12/21/2023, 6:56:27 PM	12/22/2023, 6:09:54 PM	12/22/2023, 6:56:27 PM
loganathan	12/21/2023, 6:06:09 PM	12/21/2023, 6:57:36 PM	12/22/2023, 6:06:09 PM	12/22/2023, 6:57:36 PM
yuvashree S	12/21/2023, 6:6:09 PM	12/21/2023, 6:54:44 PM	12/22/2023, 6:6:09 PM	12/22/2023, 6:54:44 PM
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MohanaPriya Ramalinga	12/21/2023, 6:07:54 PM	12/21/2023, 6:53:34 PM	12/22/2023, 6:08:29 PM	12/22/2023, 6:53:34 PM
MARIYAPPAN.S SELV	12/21/2023, 6:08:44 PM	12/21/2023, 7:01:48 PM	12/22/2023, 6:08:46 PM	12/22/2023, 7:01:48 PM
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Ponnusamy R	A	A	12/22/2023, 6:08:16 PM	12/22/2023, 6:57:36 PM
kalai r	12/21/2023, 6:21:32 PM	12/21/2023, 6:57:55 PM	12/22/2023, 6:08:29 PM	12/22/2023, 6:54:44 PM
guest	12/21/2023, 6:02:6 PM	12/21/2023, 6:53:41 PM	12/22/2023, 6:08:46 PM	A
Nisanth	12/21/2023, 6:03:28 PM	12/21/2023, 6:56:53 PM	12/22/2023, 6:09:13 PM	12/22/2023, 6:57:36 PM


Dr. G. BALAJI, M.E., Ph.D.,
 Professor & HOD
 Department of Electrical and Electronics Engineering
 Paavai Engineering College
 Namakkal - 637 013.


 PAAVAI ENGINEERING COLLEGE
 M.T. PACHAL PONDY, NAMAKKAL DISTRICT

PAAVAI ENGINEERING COLLEGE
(Autonomous)
NH-44, Pachal, Namakkal - 637018.

DEPARTMENT OF BIOMEDICAL ENGINEERING
AND
MEDICAL ELECTRONICS
INVITATION

**The Management, Director Administration, Director Admission, Principal,
Deans, COEs, Head of the Departments, Faculty Members and Students.**

CORDIALLY INVITE YOU FOR FIVE DAYS
“FDP ON MEDICAL EQUIPMENT TRAINING”

CHIEF GUEST

Dr. S. ATHEENA MILAGI PANDIAN
CEO, ATHEENAPANDIAN PRIVATE LIMITED
Courtallam, Chennai & Coimbatore

Date: 05.09.2023-09.09.2023

Time: 10.00-11.00AM

Venue: Kalam's Chamber

WELCOME ALL!!

Paavai Engineering College (Autonomous)

Pachal, Namakkal

Department of Biomedical engineering and Medical Electronics

Academic year 2023 – 2024

Five days FDP on Medical Equipment Training

On behalf of Paavai engineering college and the department of Biomedical and Medical electronics has conducted 5 days FDP on Medical Equipment training in association with Atheenapandian Private Limited from 5th September 2023 to 9th September 2023. The inaugural session was held on 5th morning in Kalam's chamber and the training was proceeded in Biomedical instrumentation lab in additional block. The basic session was conducted through online via G-meet on 2nd September.



DAY 1 & DAY 2


We were introduced to Clinical Equipment with and without bell Stethoscope and Sphygmomanometer (Mercury, Aneroid, Digital) - Pulse-oximeter and basics of ECG block diagram and circuits, Fetal doppler machine.

DAY 3 & DAY 4

The day started with basic of Respiratory – the study of lung volume and capacities, Respirometer, Basic respiratory illness and recovery measures, General principles of C-PAP Machine, Nebulizer – Mesh, Jet, Ultrasonic – O2 concentrator.

DAY 5

We were directed directly to the laboratory and were lectured about Demonstration and Circuit explanation of Infusion Pump - Syringe Pump - Suction pump – Circuit Explanation of Patient Monitoring System -Explanation and demonstration of Virtual reality.


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PAAVAI ENGINEERING COLLEGE

(Autonomous)


Department of Biomedical Engineering and Medical Electronics

**FACULTY DEVELOPMENT PROGRAMME ON BIOMEDICAL EQUIPMENTS ON
BIOMEDICAL ENGINEERING**

Attendance Sheet

S.No	Name of the Faculty	05.09.2023	06.09.2023	07.09.2023	08.09.2023	09.09.2023
1	Dr.T.Arunkumar	P	P	P	P	P
2	D.Murugesan	P	P	P	P	P
3	Dr.S.Rajasekaran	P	P	P	P	P
4	Dr. N.Jayanthi	P	P	P	P	P
5	S.Jotheeshwaran	P	P	P	P	P
6	S.Praveena	P	P	P	P	P
7	B. Niranjana Devi	P	P	P	P	P
8	M.Abinaya	P	P	P	P	P
9	V. Ramya	P	P	P	P	P
10	Lekshmi V Nair	P	P	P	P	P

*P - Present


HoD


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PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
Pachal, Namakkal- 637 018

INVITATION

DEPARTMENT OF FOODTECHNOLOGY

The Management, Director Admin, Principal, HOD

And Staff Members cordially invite you for the

Faculty Development Programme on

FOODBASED BIOPOLYMERS IN DRUG DELIVERY APPLICATIONS

By

Dr.P. Jayaraman,

Associate Professor,

Department of Chemistry, SIMAT

Date:28.08.2023 to 01.09.2024

Time: 10AM to 1.00PM

Venue: Online

ALL ARE WELCOME



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NH-44 Paavai Nagar, Pachal
Namakkal 637018



28th August 2023

Faculty Development Programme Department of Food Technology

CHIEF GUEST

Dr.P Jayaraman, AP(SG), Department of Chemistry, SIMAT



Head of the department
DR.S.KAILASH

Faculty coordinator
M.D.S.RAJARUBAN

PAAVAI ENGINEERING COLLEGE

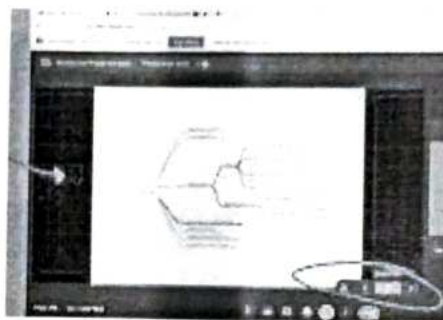
(AUTONOMOUS)

Pachal, Namakkal- 637 018

DEPARTMENT OF FOODTECHNOLOGY

Faculty Development Programme on

FOODBASED BIOPOLYMERS IN DRUG DELIVERY APPLICATIONS



A five days faculty development programme Food based biopolymers in drug delivery was held at Paavai engineering college, online mode on 28.08.2023 to 01.09.2024. The FDP aimed at providing opportunities to the faculty members to enrich their teaching skills. applications on Food-based biopolymers are naturally occurring, biodegradable, and biocompatible materials derived from food sources such as starches, proteins, lipids, and polysaccharides. These biopolymers are increasingly being explored for their potential in drug delivery systems due to their safety, cost-effectiveness, and ability to be modified for specific therapeutic purposes. The FDP was attended by 11 participants All the members involved delighted with this learning initiative and value- addition experience and learned how to develop a new drug delivery products using food-based biopolymers. Process optimization: Optimization of existing processes for the production of food-based biopolymers for drug delivery applications. Transfer of technology and knowledge to industries involved in drug delivery and biopolymer production. On the whole, the programme accomplished its set objectives. Finally, M.D.S. Rajaruban, Assistant professor proposed the vote of thanks

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

FIVE DAYS FACULTY DEVELOPMENT PROGRAMME ON
FOODBASED BIOPOLYMERS IN DRUG DELIVERY APPLICATIONS

Date: 28/08/2023 to 01/09/2023

Venue: Online Mode

Sl. NO	Name of the Faculty	Department	28.08.2023	29.08.2023	30.08.2023	31.08.2023	01.09.2023
1.	DR.S. KAILASH	FOODTECH	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
2.	DR.J. SENTHIL	FOODTECH	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
3.	G. THAMARAI SELVA	FOODTECH	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
4.	S. KESAVAN	FOODTECH	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
5.	V. SIVASANKARI	FOODTECH	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
6.	M.D.S. RAJARUBAN	FOODTECH	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
7.	S. GOWTHAM KUMAR	FOODTECH	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
8.	V. THABITHA ZELIN RACHEL	FOODTECH	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
9.	S. ANITA	FOODTECH	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
10.	P. HINDRAJITH	FOODTECH	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
11.	P. SANGEETHA	FOODTECH	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT



Dr. S. Kailash, Professor & Head
Department of Food Technology
Paavai Engineering College.
NH-7 Pachal Post, Namakkal-637018



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Pachal, Namakkal - 637 018.



INVITATION

DEPARTMENT OF AGRICULTURE ENGINEERING

The Management, Director Administration, Principal, Dean-Academics,
Director P&T, HoDs, Staff Members and Students cordially invite you for the

Guest Lecture

On

**“ADVANCED FOOD PROCESSING TECHNOLOGIES IN
AGRICULTURE”**

Guest Speaker

Dr. P. THANGAVEL

Assistant Professor,

Department of Environmental Science,

Periyar University.

Date : 16.10.2023 to 20.10.2023

Time : 10:00 A.M

Venue : Kalam Chamber

ALL ARE WELCOME



**PAAVAI ENGINEERING COLLEGE, NAMAKKAL
(AUTONOMOUS)
DEPARTMENT OF AGRICULTURE ENGINEERING**



FDP on “Advanced Food Processing Technologies in Agriculture”

The Department of Agriculture Engineering organized a Guest Lecture on “Advanced Food Processing Technologies in Agriculture” on 16.10.2023 at a cute hall. The welcome address was given by Mr.A.Vivekanandhini H.O.D, Agriculture. The Principal, Paavai Engineering College, Presided over the function. In his presidential address, he emphasized the importance of this session and made the student enthusiastic to learn from the guest speaker. The chief guest started his session by saying about the Recently, many new food processing technologies have appeared, such as high-pressure processing, ultrasound, pulsed electric fields, cold plasma, sous vide, and microwave heating. Among the new, unconventional food preservation technologies, the non-thermal high-pressure method seems to be promising. The use of high-pressure processing (HPP) allows us to inactivate pathogenic micro-organisms, such as *Salmonella* and *E. coli*, particularly in the meat industry, to ensure safety and minimize adverse sensory changes such as loss of taste, color, texture of meat products. The use of cold plasma in food production allows us to extend the shelf life of food products and improve their quality and safety. It can be used, for example, to fix a variety of food products, such as fresh

fruit and vegetables, without increasing their temperature or causing adverse temperature changes. One of the innovative and developing technological solutions in recent years is the application of ultrasound in food processing. The use of ultrasound can lead to a shortening of the drying time and temperature, thereby improving product quality while preserving health-promoting compounds.

Recent studies show a continuous improvement of ultrasonic techniques, which effectively increases the drying time of food products, e.g., fruits, whose contribution is particularly important in our diet. Another modern non-thermal method of food processing used in the food industry is the pulse electric field (PEF). The pulsed electric field has been used, among others, in the production of juice, milk, eggs, and vegetables. This process has many advantages, such as retaining more nutrients compared to traditional pasteurization methods, increasing the shelf life, and improving the texture of the products. However, there are also many challenges associated with the application of PEFs, such as the need to determine the optimal process parameters for each type of food. These methods not only make it possible to obtain food with a long shelf life, safe for health and without added preservatives, but are also more environmentally friendly than conventional methods. An in-depth analysis of the current knowledge of advanced food processing technologies seems crucial, given the intensive development of new technological solutions in this industry. The dynamic growth of the use of new techniques in food technology can be seen from the number of publications typing the term "new techniques in food technology" into the Pubmed search engine, which indicates the growing interest of scientists and the food industry on this topic and the possibility of introducing innovative solutions in food production and processing. A significant intensification of research in this field can be observed in recent years. Innovative techniques used in food technology can improve food quality and production efficiency, but they must meet the appropriate standards for their industrial application. The aim of this review was to analyze the available information on the benefits and potential risks of using innovative techniques in the field of food technology. The session ended up with doubts and questions by our students and the guest solved their doubts. Mrs.A.Subashini Faculty of Agriculture proposed the vote of thanks.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

PACHAL, NAMAKKAL

FACULTY DEVELOPMENT PROGRAMME ON

"ADVANCED FOOD PROCESSING TECHNOLOGIES IN AGRICULTURE"

ATTENDANCE DETAILS

S.NO	NAME OF THE PARTICIPANT	16.10.2023	17.10.2023	18.10.2023	19.10.2023	20.10.2023
1	Dr. P.TAMILCHELVAN	<i>P.Tamilchelvan</i>	<i>P.Tamilchelvan</i>	<i>P.Tamilchelvan</i>	<i>P.Tamilchelvan</i>	<i>P.Tamilchelvan</i>
2	Dr. A.VIVEKANANDHINI	<i>A.V-d</i>	<i>A.V-d</i>	<i>A.V-d</i>	<i>A.V-d</i>	<i>A.V-d</i>
3	K.S.SUBHA	<i>K.S.Subha</i>	<i>K.S.Subha</i>	<i>K.S.Subha</i>	<i>K.S.Subha</i>	<i>K.S.Subha</i>
4	S.MANOJKUMAR	<i>S.Manojkumar</i>	<i>S.Manojkumar</i>	<i>S.Manojkumar</i>	<i>S.Manojkumar</i>	<i>S.Manojkumar</i>
5	Dr. R.AJAYKUMAR	<i>R.Ajaykumar</i>	<i>R.Ajaykumar</i>	<i>R.Ajaykumar</i>	<i>R.Ajaykumar</i>	<i>R.Ajaykumar</i>
6	M.BHUVANESWARI	<i>M.Bhuvaneshwari</i>	<i>M.Bhuvaneshwari</i>	<i>M.Bhuvaneshwari</i>	<i>M.Bhuvaneshwari</i>	<i>M.Bhuvaneshwari</i>
7	N.SATHESWARAN	<i>N.Satheswaran</i>	<i>N.Satheswaran</i>	<i>N.Satheswaran</i>	<i>N.Satheswaran</i>	<i>N.Satheswaran</i>
8	A.SUBASHINI	<i>A.Subashini</i>	<i>A.Subashini</i>	<i>A.Subashini</i>	<i>A.Subashini</i>	<i>A.Subashini</i>
9	A.MEIGNANAMOORTHY	<i>A.Meignanamoorthy</i>	<i>A.Meignanamoorthy</i>	<i>A.Meignanamoorthy</i>	<i>A.Meignanamoorthy</i>	<i>A.Meignanamoorthy</i>
10	K.VISHNUBHARATH	<i>K.Vishnubharath</i>	<i>K.Vishnubharath</i>	<i>K.Vishnubharath</i>	<i>K.Vishnubharath</i>	<i>K.Vishnubharath</i>
11	P. SURESHKUMAR	<i>P.Sureshkumar</i>	<i>P.Sureshkumar</i>	<i>P.Sureshkumar</i>	<i>P.Sureshkumar</i>	<i>P.Sureshkumar</i>
12	B. MANO	<i>B.Manu</i>	<i>B.Manu</i>	<i>B.Manu</i>	<i>B.Manu</i>	<i>B.Manu</i>
13	Dr. S.VANITHA	<i>S.Vanitha</i>	<i>S.Vanitha</i>	<i>S.Vanitha</i>	<i>S.Vanitha</i>	<i>S.Vanitha</i>
14	V.K PAVITHRA	<i>V.K.Pavithra</i>	<i>V.K.Pavithra</i>	<i>V.K.Pavithra</i>	<i>V.K.Pavithra</i>	<i>V.K.Pavithra</i>
15	S.VISHNUPRABU	<i>S.Vishnuprabu</i>	<i>S.Vishnuprabu</i>	<i>S.Vishnuprabu</i>	<i>S.Vishnuprabu</i>	<i>S.Vishnuprabu</i>
16	R.DURAIMURUGAN	<i>R.Duraimurugan</i>	<i>R.Duraimurugan</i>	<i>R.Duraimurugan</i>	<i>R.Duraimurugan</i>	<i>R.Duraimurugan</i>
17	K.PREETHI	<i>K.Preethi</i>	<i>K.Preethi</i>	<i>K.Preethi</i>	<i>K.Preethi</i>	<i>K.Preethi</i>

A.V-d

HEAD OF THE DEPARTMENT

[Signature]

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**PAAVAI ENGINEERING COLLEGE
NAMAKKAL (AUTONOMOUS)**

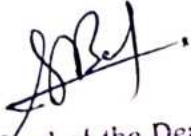
Department
of
CHEMICAL ENGINEERING

organizing online Five Days faculty
development Programme

Opportunities for Chemical Engineers in
Various Sectors

Date: 12- 02-24 to 16- 02- 24

Made with PosterMyWall.com


Head of the Department
Department of Chemical Engineering,
Paavai Engineering College,
NH-7, Pachal Post, Namakkal-637 018.


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PAAVAI ENGINEERING COLLEGE (Autonomous)
DEPARTMENT OF CHEMICAL ENGINEERING
ACADEMIC YEAR 2023-24

**A report of five-day faculty development programme on
"Opportunities for chemical engineers in various sectors"**

Day 1: 12.02.2024

G.Nagul Dev., ASP, Department Of Chemical Engineering, Hindustan College of engineering & technology , Coimbatore was the resource speaker. Ms.P.Indhumathi; AP/Chemical PEC, introduced the chief guest. In his lecture he explained about the opportunities in cement industries.

Day 2: 13.02.2024

Dr.Murugan. Head, Department Of Chemical Engineering, Agni College of engineering, Chennai was the resource speaker. Ms.P.Indhumathi; AP/Chemical PEC, introduced the chief guest. In his lecture he explained about the opportunities in pulp and paper industries.

Day 3: 14.02.2024

Dr.C.Gomadurai, Associate professor, Department of Chemical Engineering, Kongu Engineering College and Technology, Erode was the resource speaker. Ms.G.Swathi AP/Chemical PEC introduced the chief guest.. In his lecture he elaborated in detailed about the opportunities in pharmaceutical industries

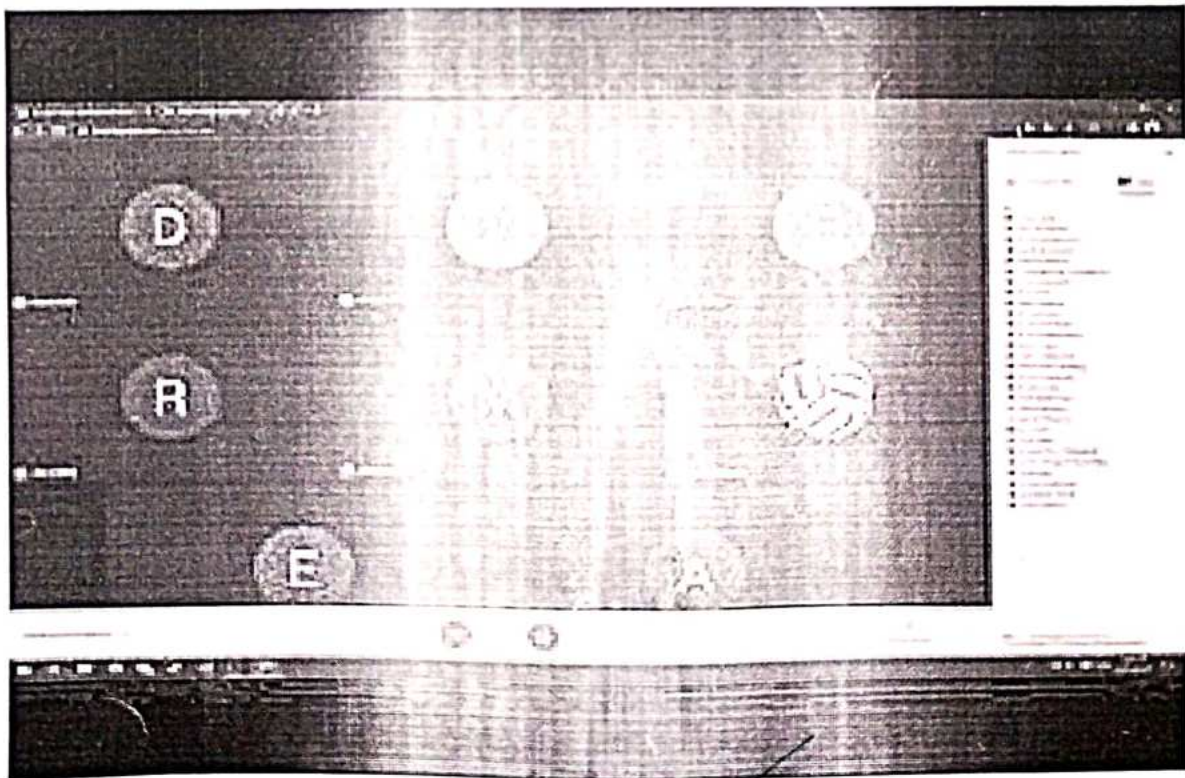
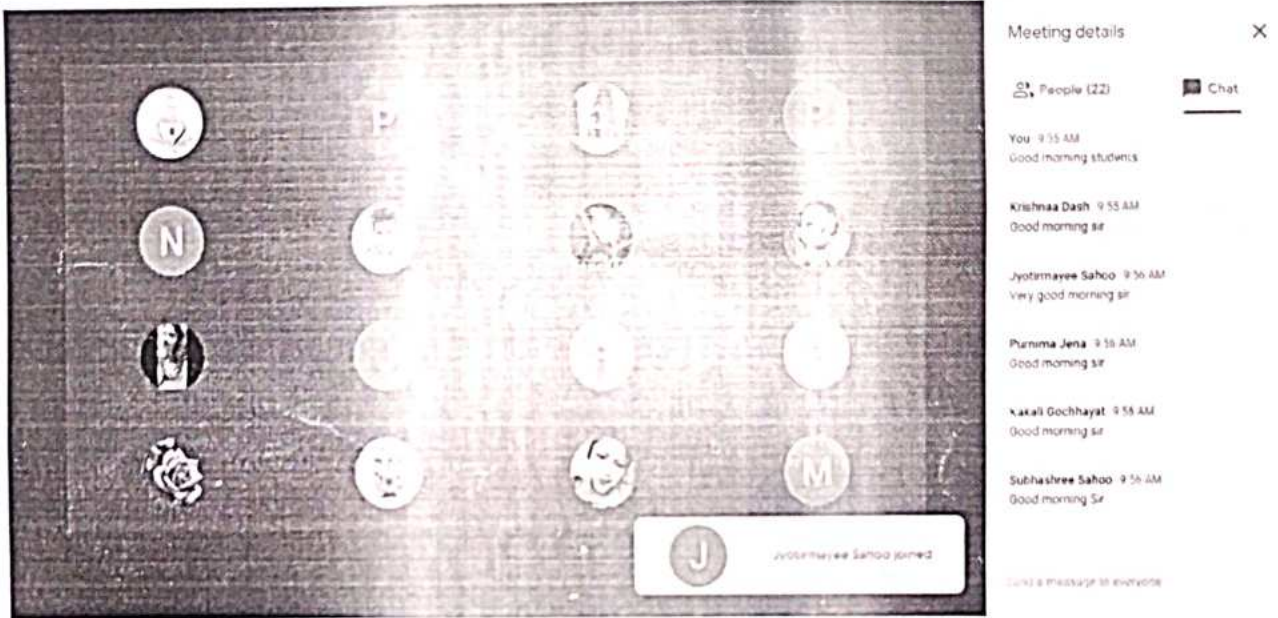
Day 4: 15.02.2024

Dr.M.Arivazhagan , Professor, Department of chemical engineering , NIT Trichy was the resource speaker. Ms. G.Swathi AP/Chemical PEC, introduced the chief guest. In his lecture he elaborated the opportunities in Polymers and Rubber Technology

Day 5: 16.02.2024

Dr.P.Shanmugam, Associate professor, Food technology, KSRCT trichengode, was the resource speaker.,Ms.P.Nikila , introduced the chief guest. In his lecture he elaborated the opportunities in food technology.

Finally, the vote of thanks was delivered by Ms.M. Hemavathi of chemical dept. Mr. N.Gokul chemical dept., of MBA, Ms Ms.P.Indhumathi; AP/Chemical PEC., . Ms. G.Swathi AP/Chemical PEC, Dr.G.Ellamparuthy AP/ Chemical PEC were the coordinators. Faculty members from various institutions were attended the FDP and the sessions were very insightful and informative for all.



[Handwritten Signature]
 Head of the Department
 Department of Chemical Engineering,
 Paavai Engineering College,
 H-7, Pachal Post, Namakkal Dist.

[Handwritten Signature]
 PRINCIPAL
 PAAVAI ENGINEERING COLLEGE
 H-7, PACHAL Post, NAMAKKAL Dis

PAAVAI ENGINEERING COLLEGE (Autonomous)

DEPARTMENT OF CHEMICAL ENGINEERING

ACADEMIC YEAR 2023-24

A Report of five days faculty development programme on
"Opportunities for chemical engineers in various sectors"

Attendance Sheet

S.N	Name of the faculty	12.02.2024	13.02.2024	14.02.2024	15.05.2024	16.05.2024
0						
1	R. BALASUBRAMANI	P	P	P	P	P
2	D.SREENIVASAN	P	P	P	P	P
3	M.MOHAN KUPPUSAMY	P	P	P	P	P
4	S. SARAVANAN	P	P	P	P	P
5	P. SELVABHARATHI	P	P	P	P	P
6	T. UDHAAYATHERAN	P	P	P	P	P
7	Dr.K.MARUTHATHURAI	P	P	P	P	P
8	Dr.G.ELLAMPARUTHY	P	P	P	P	P
9	G. SWATHI	P	P	P	P	P
10	P. INDHUMATHI	P	P	P	P	P
11	Dr.P. BALAGANESH	P	P	P	P	P


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PAAVAI ENGINEERING COLLEGE

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Pachal, Namakkal-637 018.

INVITATION

DEPARTMENT OF PHYSICS

The Management, Director Admin, Principal, Deans, CoE, HODs

Staff Members and Students cordially invite you for the

Online Faculty Development Programme

on

“Current Trends In Nanomaterials and its Applications”

By

Mrs.s.kavitha

HoD/Physics

Paavai Engineering College, Namakkal

Date: 14.08.2023 to 18.08.2023

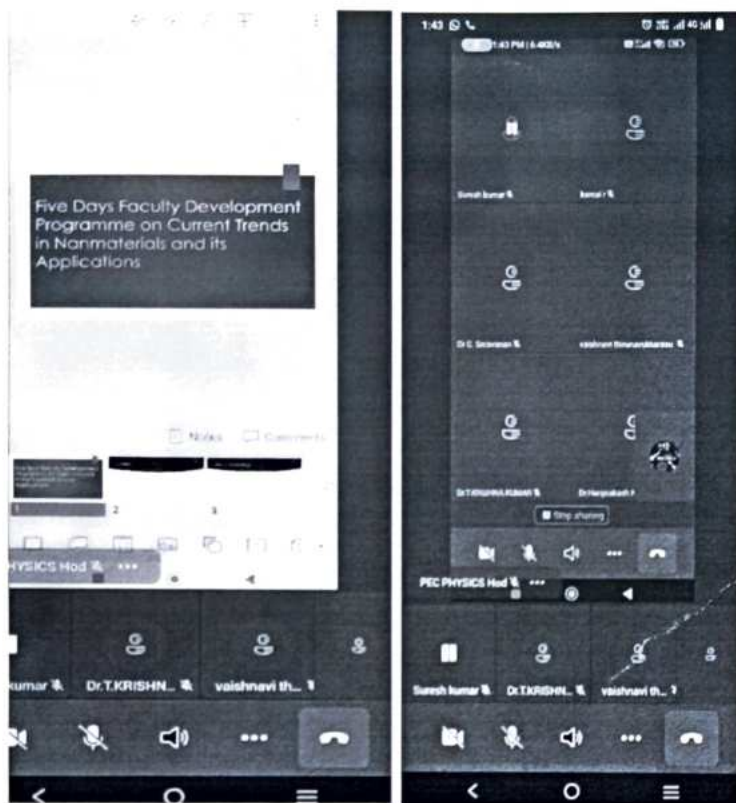
Time: 12.00AM to 2.00AM

ALL ARE WELCOME

**PAAVAI ENGINEERING COLLEGE
(Autonomous)
DEPARTMENT OF PHYSICS**

Faculty Development Programme on

“CURRENT TRENDS IN NANOMATERIALS AND ITS APPLICATIONS”



A three days online Faculty Development Programme (FDP) on **“CURRENT TRENDS IN NANOMATERIALS AND ITS APPLICATIONS”** was conducted by department of Physics, Paavai Engineering College on 14.08.2023 to 18.08.2023. Mrs.S.Kavitha, Head of the Department of Physics, Paavai Engineering College was the resource person. On the whole, this FDP programme was beneficial to all the faculty members of Physics belong to Paavai Institutions. Dr.K.Selvi, Dean Academics, welcomes the gathering and suggested the faculty members to make use of the opportunity to develop their knowledge in new topics.

From this programme, the faculty members gained knowledge on nanomaterials and its applications in the various field. Functional materials made up of particles with at least one dimension less than 100 nanometers (nm). Small particles that range from 1 to 100 nm in size. They are too small to be seen by the human eye. The session ended up with doubts and questions by our staffs their doubts. Dr.N.Hariprakash,AP/Physics proposed the vote of thanks.

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF PHYSICS

ONLINE FDP ON

CURRENT TRENDS IN NANOMATERIALS AND ITS APPLICATIONS

Attendance Sheet

S. NO	NAME OF THE FACULTY	14.08.23	15.08.23	16.08.23	17.08.23	18.08.23
1	Mrs.S.Kavitha	P	P	P	P	P
2	Dr.T.Krishnakumar	P	P	P	P	P
3	Dr.P.Rosaiah	P	P	P	P	P
4	Dr.T.Prakash	P	P	P	P	P
5	Dr.N.Hariprakash	P	P	P	P	P
6	Dr.R.Kamalakannan	P	P	P	P	P
7	Mrs.C.Barathi	P	P	P	P	P
8	Dr.S.Thangavel	P	P	P	P	P
9	Mrs.T.Vysnavi	P	P	P	P	P
10	Dr.C.Saravanan	P	P	P	P	P
11	Mrs.P.Divya	P	P	P	P	P
12	Mr. R. Dhananchezian	P	P	P	P	P
13	Mrs.S.Kavitha	P	P	P	P	P
14	Dr.K.Mehala	P	P	P	P	P
15	Dr.R.Poonguzhali	P	P	P	P	P


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
14.7 PACHAL Post. NAMAKKAL, TN



PAAVAI ENGINEERING COLLEGE
Autonomous
Pachal, Namakkal-637 018.

INVITATION

DEPARTMENT OF CIVIL ENGINEERING

The Management, Director Admin, Principal, HOD
and Staff Members cordially invite you for the

A Five Day Faculty Development Programme on
“BUILDING INFORMATION MODELING IN CIVIL ENGINEERING”

By

Dr.R.Prasanna Venkatesan
Associate Professor,
Department of Civil Engineering,
VIT, Vellore.

Dr.K.Nirmal Kumar
Professor,
Department of Civil Engineering,
Kongu Engineering College, Perunduri.

Dr.M.Soundaraajan
Associate Professor,
Department of Civil Engineering,
Sona College of Technology.

Prof . K.Sharmiladevi,
Head/ Associate Professor,
Department of Civil Engineering,
Paavai Engineering College.

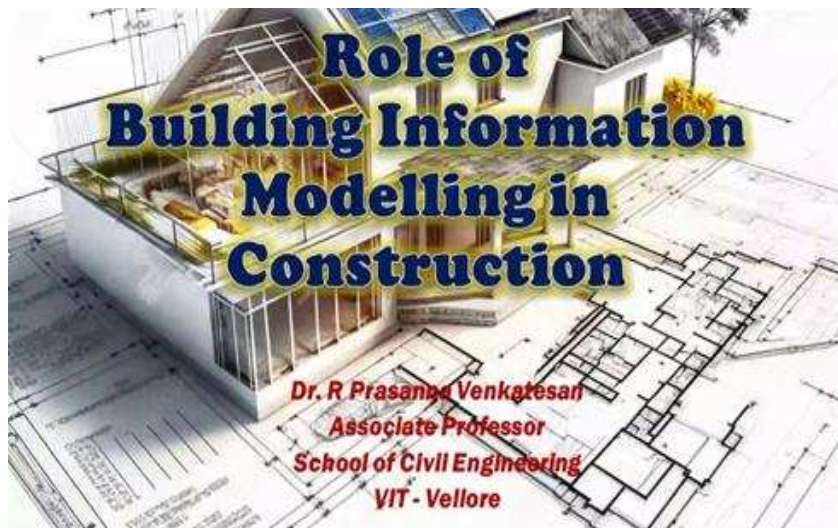
Date : **06.05.2023 – 10.05.2024**

Time : **02 P.M to 04.00 P.M**

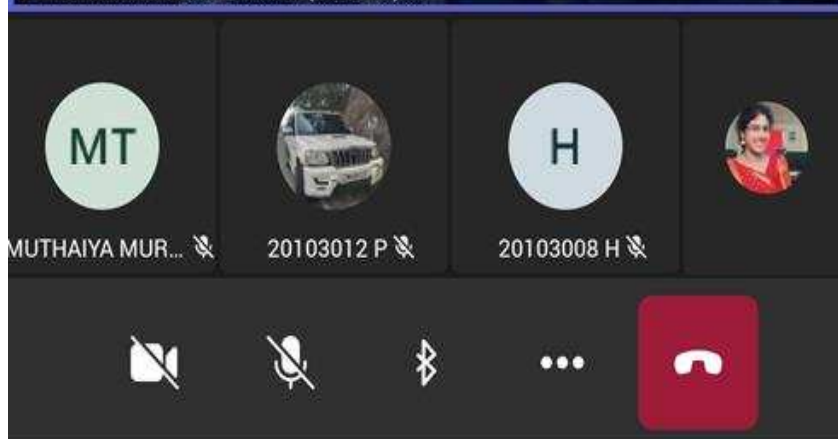
Venue : **Online Mode**

ALL ARE WELCOME

PAAVAI ENGINEERING COLLEGE
AUTONOMOUS
DEPARTMENT OF CIVIL ENGINEERING
FACULTY DEVELOPMENT PROGRAMME
BUILDING INFORMATION MODELING IN CIVIL ENGINEERING



PRASANNA VENKATESAN R (External) ...



A Five days faculty development programme on “**BUILDING INFORMATION MODELING IN CIVIL ENGINEERING**” was held at Paavai Engineering College, from 06.05.2024 to 10.05.2024. This FDP will enhance better teaching ability with respect to content Building Information Modeling (BIM) transcends traditional 2D drawings, offering a sophisticated 3D model infused with rich data. This digital twin encapsulates every aspect of a structure, from architectural details to material specifications and cost estimations. It fosters seamless collaboration between architects, engineers, and contractors, enabling them to identify clashes, optimize designs, and make informed decisions in a virtual space. BIM is not simply a technological advancement; it’s a paradigm shift within the construction industry. By empowering collaboration and data-driven decision-making, BIM is shaping the future of built environments, ensuring greater efficiency, sustainability, and quality.

Day 1 Introduction Building Information Modelling, Revit Projects: Project Templates, Revit File Types Working with Revit Elements and Families Exploring the User Interface Starting a Project. Setting Up Levels and Grids (Datum Planes) Setting up Levels & Modifying Creating Grids

Day 2 Modelling Walls Creating Walls Modify wall types. Working with Doors and Windows Loading Door and Window Types from the Library Creating Additional Door and Window Sizes.

Day 3 Using Editing Tools & Working with Views: Using Editing Commands Setting the view display Visibility Graphics, Duplicate Views Elevations & Sections, Adding Callout Views Creating and Modifying 3D Views.

Day 4 Modelling Floors Creating and Modifying Floors, Modelling Roofs Creating Roofs by Footprint Using Join & unjoin roof.

Day 5 Modelling Stairs, Railings, and Ramps Creating & Modifying Stairs Working with Railings Sketching Custom Stairs Creating Ramps.

**FIVE DAYS FACULTY DEVELOPMENT PROGRAMME
ON
“BUILDING INFORMATION MODELING IN CIVIL ENGINEERING”
ORGANISED BY DEPARTMENT OF CIVIL ENGINEERING**

Date: 06.05.2024 to 10.05.2024

Venue: Online Mode

S.No	Name of the Faculty	06.05.2024	07.05.2024	08.05.2024	09.05.2024	10.05.2024
1.	K.Sharmiladevi	Present	Present	Present	Present	Present
2.	A.Jayapal	Present	Present	Present	Present	Present
3.	P.Vignesh	Present	Present	Present	Present	Present
4.	S.Gayathri	Present	Present	Present	Present	Present
5.	N.Moorthi	Present	Present	Present	Present	Present
6.	M.Rajkannan	Present	Present	Present	Present	Present
7.	S.Rajeswari	Present	Present	Present	Present	Present
8.	B.Kiruthika	Present	Present	Present	Present	Present
9.	B.Karthiga	Present	Present	Present	Present	Present
10.	M.Sreejantha	Present	Present	Present	Present	Present
11.	A.Dharani	Present	Present	Present	Present	Present
12.	S.Suryaprakash	Present	Present	Present	Present	Present
13.	K.R.Prabhakaran	Present	Present	Present	Present	Present
14.	K.Saranya	Present	Present	Present	Present	Present
15.	P.Srinithi	Present	Present	Present	Present	Present
16.	R.Murali	Present	Present	Present	Present	Present
17.	D.Logeshwari	Present	Present	Present	Present	Present
18.	S.Sowdeshwari	Present	Present	Present	Present	Present
19.	Tiriveedhi Sai Krishna	Present	Present	Present	Present	Present
20.	Veerabhadreshwar Patil	Present	Present	Present	Present	Present
21.	Prof. Sachchidanand Bhagat	Present	Present	Present	Present	Present
22.	Suthari Bramarambika	Present	Present	Present	Present	Present
23.	Amrutha M	Present	Present	Present	Present	Present
24.	P.Manikandan	Present	Present	Present	Present	Present

25.	Kavitha Karthikeyan	Present	Present	Present	Present	Present
26.	Komanduri Sreevalli	Present	Present	Present	Present	Present
27.	Seyamala S	Present	Present	Present	Present	Present
28.	Dr P Brightson	Present	Present	Present	Present	Present
29.	Subhadip Sarkar	Present	Present	Present	Present	Present
30.	Tiriveedhi Sai Krishna	Present	Present	Present	Present	Present
31.	Veerabhadreshwar Patil	Present	Present	Present	Present	Present
32.	Prof. Sachchidanand Bhagat	Present	Present	Present	Present	Present
33.	Kameshwar Singh Nim	Present	Present	Present	Present	Present
34.	G.Vimal Arokiaraj	Present	Present	Present	Present	Present
35.	Abinaya M	Present	Present	Present	Present	Present
36.	Uma Maguesvari M	Present	Present	Present	Present	Present
37.	Komanduri Sreevalli	Present	Present	Present	Present	Present
38.	Dr Sakthivel R	Present	Present	Present	Present	Present
39.	S.Satheesh Kumar	Present	Present	Present	Present	Present
40.	N. Rishinath	Present	Present	Present	Present	Present
41.	Naga Seshu Babu Tummala	Present	Present	Present	Present	Present
42.	S.Gokulakannan	Present	Present	Present	Present	Present
43.	C.Minikala	Present	Present	Present	Present	Present
44.	Jegan M	Present	Present	Present	Present	Present
45.	Mahesha Nanjegowda	Present	Present	Present	Present	Present
46.	Mr R Parthasaarathi	Present	Present	Present	Present	Present
47.	Ashokkumar K	Present	Present	Present	Present	Present
48.	Gaddam Kavya	Present	Present	Present	Present	Present
49.	Dr Sakthivel R	Present	Present	Present	Present	Present
50.	Anusuri Uma Maheswari	Present	Present	Present	Present	Present

FIVE DAYS FACULTY DEVELOPMENT PROGRAMME
ON
“BUILDING INFORMATION MODELING IN CIVIL ENGINEERING”
ORGANISED BY DEPARTMENT OF CIVIL ENGINEERING

Date: 06.05.2024 to 10.05.2024

Venue: Online Mode

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3.	P.Vignesh	Present	Present	Present	Present	Present
4.	S.Gayathri	Present	Present	Present	Present	Present
5.	N.Moorthi	Present	Present	Present	Present	Present
6.	M.Rajkannan	Present	Present	Present	Present	Present
7.	S.Rajeswari	Present	Present	Present	Present	Present
8.	B.Kiruthika	Present	Present	Present	Present	Present
9.	B.Karthiga	Present	Present	Present	Present	Present
10.	M.Sreerajanth	Present	Present	Present	Present	Present
11.	A.Dharani	Present	Present	Present	Present	Present
12.	S.Suryaprakash	Present	Present	Present	Present	Present
13.	K.R.Prabhakaran	Present	Present	Present	Present	Present
14.	K.Saranya	Present	Present	Present	Present	Present
15.	P.Srinithi	Present	Present	Present	Present	Present
16.	R.Murali	Present	Present	Present	Present	Present
17.	D.Logeshwari	Present	Present	Present	Present	Present
18.	S.Sowdeshwari	Present	Present	Present	Present	Present
19.	Tiriveedhi Sai Krishna	Present	Present	Present	Present	Present
20.	Veerabhadreshwar Patil	Present	Present	Present	Present	Present
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22.	Suthari Bramarambika	Present	Present	Present	Present	Present
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24.	P.Manikandan	Present	Present	Present	Present	Present

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47.	Ashokkumar K	Present	Present	Present	Present	Present
48.	Gaddam Kavya	Present	Present	Present	Present	Present
49.	Dr Sakthivel R	Present	Present	Present	Present	Present
50.	Anusuri Uma Maheswari	Present	Present	Present	Present	Present


Principal

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

INVITATION

The Management, Director Administration, Principal,
Deans, COE, HOD's, & Staff members
Cordially invite you for the inauguration of
FDP
On

"Knowledge Sharing Forum (AI USING ML & big data and Hadoop)"

11-09-23 to 15-09-2023

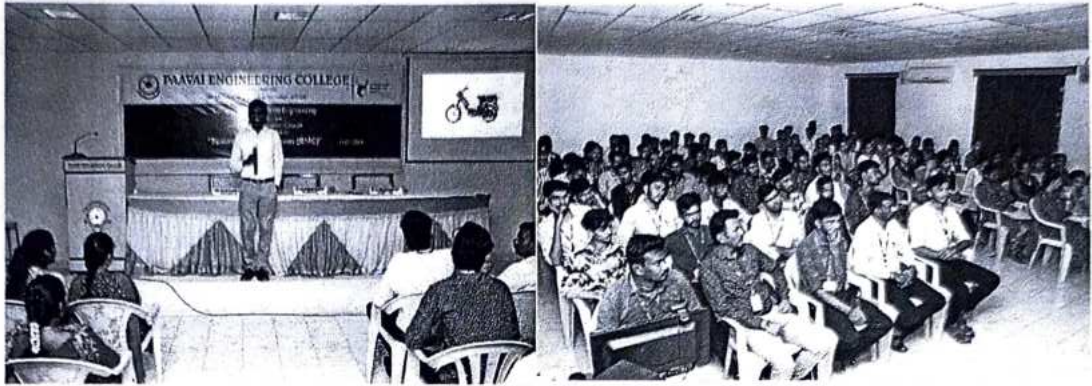
By

Mr.R.Kathirvel Murugan ,
AI Consultant & Senior Innovation Manager, Salem CCTV Dot com

Date : 11th SEP 2023

Time: 10.00 am.

Venue: Kalam Chamber



The Department of Computer Science and Engineering in association with Institution Innovation Council (IIC) organized a workshop on Business Model Canvas (BMC) on 14.05.2024. The objective of this Session was to equip students with a thorough understanding of the BMC framework and its practical application in developing and analyzing business models. The welcome address was given by R.Gobinisha, II Year/CSE. The presidential address was given by Dr.M.Premkumar, Principal, Paavai Engineering College. He insisted the significance of business models for engineers, highlighting their role in augmenting technical proficiency and enhancing employability in a rapidly evolving technological landscape.

Mr.R.Kathirvel Murugan , AI Consultant & Senior Innovation Manager, Salem CCTV Dot com, commenced the session with an in-depth understanding of the BMC framework and its practical applications. He began the workshop with an overview of the BMC, highlighting its significance as a strategic management tool for developing and visualizing business models. The purpose of using BMC to streamline and clarify complex business concepts was emphasized. Real-world examples and case studies were presented to illustrate how various companies use the BMC to structure their business models. Participants were encouraged to analyze these examples to understand how successful businesses integrate the nine components of the BMC.

The workshop encouraged strategic thinking by challenging participants to identify unique value propositions and effective strategies for their business models. Participants were provided with BMC templates, worksheets, and additional reading materials to support their ongoing use of the framework. The workshop concluded with a Q&A session, where participants asked questions about specific components of the BMC and their applications. The Speaker provided detailed answers, enhancing the understanding of the framework.

As a conclusion, the workshop on the Business Model Canvas was highly successful and well-received. Participants left with a thorough understanding of the BMC framework and its practical applications. The vote of thanks was delivered by R.Swetha, II Year/CSE. A total number of 104 students and the faculty members attended this workshop.

**PAAVAI ENGINEERING COLLEGE
NAMAKKAL
(Autonomous)**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Knowledge Sharing Forum (AI USING ML & big data and Hadoop)
Attendance Details**

S.NO	NAME OF THE PARTICIPANT	DESIGNATION	DAY1:15/11/2021	DAY2:16/11/2021	DAY3:17/11/2021	DAY4:18/11/2021	DAY5:19/11/2021
1	SATYA MOHAN CHOWDARY G	ASSISTANT PROFESSOR	P	P	P	P	P
2	MFARITHA BEGUM	ASSISTANT PROFESSOR	P	P	P	P	P
3	DVNagaRaju	PROFESSOR	P	P	P	P	P
4	Dr Kiran Sree Pokkuluri	PROFESSOR	P	P	P	P	P
5	Senthil Kumar J	ASSISTANT PROFESSOR	P	P	P	P	P
6	RADHIKA D	ASSISTANT PROFESSOR	P	P	P	P	P
7	SHANTHI S	ASSISTANT PROFESSOR	P	P	P	P	P
8	Dr.M.Narendar	PROFESSOR	P	P	P	P	P
9	P V Naresh	ASSISTANT PROFESSOR	P	P	P	P	P
10	U RAKESH	ASSISTANT PROFESSOR	P	P	P	P	P
11	SHANKAR G	ASSISTANT PROFESSOR	P	P	P	P	P
12	P SELVAMANI	ASSISTANT PROFESSOR	P	P	P	P	P
13	Sureshkumar C	ASSISTANT PROFESSOR	P	P	P	P	P
14	Dr.C.Sharmuganathan	ASSOCIATE PROFESSOR	P	P	P	P	P
15	MOHAN D	ASSISTANT PROFESSOR	P	P	P	P	P
16	Ashiq Irphan K	ASSISTANT PROFESSOR	P	P	P	P	P
17	Dr.S.V. koglevani	ASSOCIATE PROFESSOR	P	P	P	P	P
18	Ms.R.Sathya	ASSISTANT PROFESSOR	P	P	A	P	P
19	ANISH. T. P	ASSISTANT PROFESSOR	P	P	P	P	P
20	MANDU KUMAR D P	ASSISTANT PROFESSOR	P	P	P	P	P
21	Muthuraja M	ASSISTANT PROFESSOR	P	P	P	P	P
22	P. Venkata Rama Raju	PROFESSOR	P	P	P	P	P
23	KONDA HARI KRISHNA	ASSISTANT PROFESSOR	P	P	P	P	P
24	Vijayalakshmi S A	ASSISTANT PROFESSOR	P	P	P	P	P
25	Vinukumar P.	ASSISTANT PROFESSOR	P	A	P	P	NP

[Signature]
HoD

[Signature]
Principal

PAAVAI ENGINEERING COLLEGE
IN-7 PACHAL Post, NAMAKKAL Dt.

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

INVITATION

The Management, Director Administration, Principal,
Deans, COE, HOD's, & Staff members
Cordially invite you for the inauguration of
FDP
On

"UI Path Robotic Process Automation"

30-10-23 to 04-11-23

By

Mr.K.R.Srikanth Doss

Senior Applied Scientist, Seattle, Washington, USA

Date : 30th OCT 2023

Time: 10.00 am.

Venue: Cute Hall



The Department of Computer Science and Engineering in association with Computer Society of India and Software Development & Information Management club organized a Guest Lecture on Technology That Powers CHATGPT (Introduction to LLMs) on 13.05.2024. The objective of this Session was to provide students with a comprehensive understanding of the underlying principles, architecture, and functionalities of large language models (LLMs) such as ChatGPT.

The welcome address was given by S.Divyasri, III Year/CSE. The presidential address was given by Dr.M.Premkumar, Principal, Paavai Engineering College. He emphasized the importance of ChatGPT as a virtual companion ever prepared to participate in meaningful discussions, offer valuable insights, or simply provide friendly conversation, all while enhancing employability in a swiftly changing technological environment.

Mr.K.R.Srikanth Doss, Senior Applied Scientist, Seattle, Washington, USA, commenced the session with a historical perspective on language models, tracing their evolution from simple statistical models to complex neural networks. He explained the basics of language models, focusing on their ability to predict and generate human-like text. He demonstrated how these components work together to enable LLMs to understand and generate coherent text.

The process of training LLMs involves using vast datasets to teach the model to recognize patterns in language. Different training techniques, including supervised learning, unsupervised learning, and fine-tuning, were detailed. Real-world examples were provided to illustrate the versatility and practical uses of LLMs across different industries. The lecture concluded with an interactive Q&A session, where attendees asked questions about various aspects of LLMs. The speaker provided detailed answers, offering deeper insights into the topics discussed. Key points of interest included the limitations of current LLMs, potential improvements, and interdisciplinary applications of AI research.

As a conclusion, the guest lecture was highly informative and well-received, offering a comprehensive understanding of the technology that powers ChatGPT and other LLMs.

The vote of thanks was delivered by J.Bharathkrishnan, III Year/CSE. A total number of 462 students and the faculty members attended this Briefing Session.

**PAAVAI ENGINEERING COLLEGE
NAMAKKAL
(Autonomous)**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
"UI Path Robotic Process Automation"**

Attendance Details

S.NO	NAME OF THE PARTICIPANT	DESIGNATION	DAY1:15/11/2021	DAY2:16/11/2021	DAY3:17/11/2021	DAY4:18/11/2021	DAY5:19/11/2021
1	SATYA MOHAN CHOWDARY G	ASSISTANT PROFESSOR	P	P	P	P	P
2	M.FARITHA BEGUM	ASSISTANT PROFESSOR	P	P	P	P	P
3	DVNagaRaju	PROFESSOR	P	P	P	P	P
4	Dr Kiran Sree Pokkukuri	PROFESSOR	P	P	P	P	P
5	Sentil Kumar J	ASSISTANT PROFESSOR	P	P	P	P	P
6	RADHIKA D	ASSISTANT PROFESSOR	P	P	P	P	P
7	SHANTHI S	ASSISTANT PROFESSOR	P	P	P	P	P
8	Dr.M.Narendar	PROFESSOR	P	P	P	P	P
9	P V Naresh	ASSISTANT PROFESSOR	P	P	P	P	P
10	U RAKESH	ASSISTANT PROFESSOR	P	P	P	P	P
11	SHANKAR G	ASSISTANT PROFESSOR	P	P	P	P	P
12	P SELVAMANI	ASSISTANT PROFESSOR	P	P	P	P	P
13	Sureshkumar C	ASSISTANT PROFESSOR	P	P	P	P	P
14	Dr. C.Shanmuganathan	ASSOCIATE PROFESSOR	P	P	P	P	P
15	MOHAN D	ASSISTANT PROFESSOR	P	P	P	P	P
16	Ashiq Irphan K	ASSISTANT PROFESSOR	P	P	P	P	P
17	Dr.S.V. Kogilavani	ASSOCIATE PROFESSOR	P	P	P	P	P
18	Ms.R.Sathya	ASSISTANT PROFESSOR	P	P	A	P	P
19	ANISH, T, P	ASSISTANT PROFESSOR	P	P	P	P	P
20	MANOJ KUMAR D P	ASSISTANT PROFESSOR	P	P	P	P	P
21	Muthuraja M	ASSISTANT PROFESSOR	P	P	P	P	P
22	P. Venkata Rama Raju	PROFESSOR	P	P	P	P	P
23	KONDA HARI KRISHNA	ASSISTANT PROFESSOR	P	P	P	P	P
24	Vjyalekshmi S A	ASSISTANT PROFESSOR	P	P	P	P	P
25	Vimalakumar P.	ASSISTANT PROFESSOR	P	A	P	P	P
26	PRAKASH K	ASSISTANT PROFESSOR	P	P	P	P	P
27	SRINJ DHARAVATH	ASSOCIATE PROFESSOR	P	P	P	P	P
28	Puhazheli S	ASSISTANT PROFESSOR	P	P	P	P	P
29	Ms.Farheen Sultana	ASSISTANT PROFESSOR	P	P	P	P	P
30	somasekar	PROFESSOR	P	P	P	P	P

31	Supriya N	ASSISTANT PROFESSOR	P	P	P	P	P
32	P.Ranganath	ASSISTANT PROFESSOR	P	P	P	P	P
33	PRABHUJOT KAUR	ASSISTANT PROFESSOR	P	P	P	P	P
34	DR. AMIT AWASTHI	ASSISTANT PROFESSOR	P	P	P	P	P
35	U. M. PRAKASH	ASSISTANT PROFESSOR	P	P	P	P	P
36	Abhishek kumar Pathak	ASSISTANT PROFESSOR	P	P	P	P	P
37	Prityanka M R	ASSISTANT PROFESSOR	P	P	P	P	P
38	Repucl PITCHIAH	ASSOCIATE PROFESSOR	P	A	P	P	P
39	P Balaji	ASSISTANT PROFESSOR	P	P	P	P	P
40	Madanachitran R	ASSISTANT PROFESSOR	P	P	P	P	P
41	PEETALA BHASKAR RAO	ASSISTANT PROFESSOR	P	P	P	P	P
42	NAVEENKUMAR R	ASSISTANT PROFESSOR	P	P	P	P	P
43	Kavlyaraj R	ASSISTANT PROFESSOR	P	P	P	P	P
44	KUMARESAN K	ASSISTANT PROFESSOR	P	P	P	P	P
45	Ms. Syeda Farhath Begum	ASSOCIATE PROFESSOR	P	P	P	P	P


HOD


Principal

PAAVAI ENGINEERING COLLEGE
H-7, PACHAL Post, NAMAKKAL Dis

PAAVAI EDUCATIONAL INSTITUTIONS
PACHAL, NAMAKKAL

FACULTY DEVELOPMENT DEPARTMENT
ORIENTATION PROGRAMME FOR RECENTLY RECRUITED FACULTY MEMBERS
(2023 - 2024)

Venue: Smart Hall

Date: 01.04.2024

Time: 10.00 a.m.

AGENDA FOR INAUGURAL FUNCTION

- ✦ Prayer
- ✦ Lighting of Kuthuvilakku : Smt. MANGAI NATARAJAN
Correspondent, Paavai Institutions.
- ✦ Welcome Address : Dr.K.SELVI
Dean - Academics,
Paavai Engineering College.
- ✦ Inaugural Address : Shri. CA. N.V. NATARAJAN
Chairman, Paavai Institutions.
- ✦ Felicitation : Smt. MANGAI NATARAJAN
Correspondent, Paavai Institutions.
- ✦ Objectives of the Programme : Dr. J. MURSHITHA BANU,
Head - FDD
Paavai Engineering College.
- ✦ Commencement of Formal Session

**A REPORT ON THE SIX DAY INDUCTION PROGRAMME FOR THE RECENTLY
INDUCTED MEMBERS OF PAAVAI FAMILY**

2023-24

'Training Transforms! Training Empowers!'

The Faculty Development Department organized a six -day Induction Programme for the recently recruited faculty members to make them familiar with the institutional practices and the instructional strategies of teaching and learning, because teachers are considered to be the pillars of Paavai. The inaugural ceremony was held at Smart hall on 01.04.2024. The programme started invoking God's blessings with the prayer song, followed by lighting of the kuthuvilakku. Shri.CA.N.V.Natarajan Chairman, Paavai Educational Institutions delivered the Inaugural Address. Sir highlighted that teachers should be exemplary role models who should create an active learning environment in the classrooms. He also stressed on the important role of the faculty members to equip their students with the required skill sets, which will enable students to thrive in the real world. The relevance of all topics by eminent resources persons were listed out. Dr.K.Selvi Dean Academics, PEC welcomed the gathering. The objectives and methodology of the orientation programme were read out by Dr.J.Murshitha Banu Head, FDD. 29 faculty members from Paavai Educational Institutions attended the Orientation Programme.

After the inauguration, the formal sessions commenced. Shri.CA.N.V.Natarajan Chairman, Paavai Educational Institutions, Dr.K.K.Ramasamy, Director Administration, Paavai Educational Institutions, Mrs.C.Jayalakshmi, Dean Counseling, Dr.M.PremKumar, Principal, PEC, Dr.B.Murali Babu, CoE, PEC, Dr.K.Selvi, Dean Academics, PEC Dr.I.Rajendran , Dean Research and Innovation, PEC, Dr.T.Kalaiselvi, Director, MBA/PEC, Dr.J.Murshitha Banu Professor and Head, FDD, Dr.K.Sundaramurthy, Head, IQAC/PEC, Dr.D.Bhanumanthy, HoD/CSE, Dr.Mohanapriya, ASP/ECE, Mrs. R. Bharathi, AP/Biological Science, Paavai College of Education were the resource persons for the programme who shed light on pertinent topics such as, 'Paavai on the Path of Progress', 'Be Ethical', 'Teachers are the Real Parents', 'Attitude, Skill and Knowledge', 'Triple S relationship', 'Paavai Culture', , 'Inclination towards Research', 'Embracing Continuous learning for Success', , 'Be Fluent', 'Navigating Outcome based Education – A Roadmap for Excellence', 'Be Liberated, Be Happy', 'Smart Teaching' and 'Pedagogy For Professional Enrichment'.

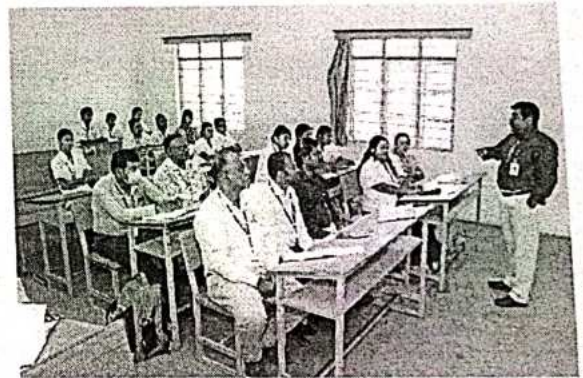
Shri.CA.N.V.Natarajan, Chairman of Paavai Educational Institutions conducted the session on the topic entitled "Paavai on the Path of Progress". Sir started with the history of Paavai Educational Institutions and showed the upward trajectory of Paavai. The progress of Paavai was the result of hard work and consistent efforts of the stakeholders of Paavai. Sir added that Paavai faculty members should be the epitome of qualities such as commitment, empathy, knowledge, care etc. Students should be harnessed to transform into icons of modern India with traditional roots. Students should have clear goals and ambitions and should work towards becoming innovators and trendsetters.

Mrs.Jayalakshmi, Dean, Counseling, illustrated that "Teachers are Real Parents" by citing various lifetime incidents. She shared her experiences to deal with the slow learners in the classroom. Dr.K.K.Ramasamy, Director Administration, expounded on the different roles and responsibilities of the teachers. He advocated the practical methods of teaching to reach out to the students of all categories. He also stressed the importance of observation skill which should be developed by the teachers. He highlighted that knowledge of the fundamentals, good communication skills, keen observation and a pleasant attitude should be practiced by the teachers to improve their teaching skills. Various examples related to different branches of study and environments were explained. Dr.K.Selvi, Dean, Academics, PEC explained the significance of Paavai Culture, Paavai Mantra and Paavai beliefs. Dr.M.PremKumar, Principal, PEC, emphasized the importance of developing a right attitude to serve as worthy members of Paavai. He explained that. 'One's attitude determines one's Altitude'. Dr.B.Murali Babu, CoE elaborated on the significance of 'Triple S relationship'. He stated that the relationship of faculty members with the students, other staff members, and superiors should have the line of boundary to maintain a healthy relationship. Dr.J.Murshitha Banu Professor and Head, FDD elaborated on the importance of English language and communication skills for students in the job market. Throughout the session, the members were facilitated to hone their LSRW skills.

Dr.I.Rajendran, Dean Research and Innovation,PEC through his topic 'Inclination towards Research' stressed on the importance of research, which will elevate the status of Paavai Institutions in the field of research and innovative. Dr.D.Bhanumathy, HoD, CSE explained the Be Liberated, Be Happy with various activities. Dr.Mohanapriya, ASP, ECE explained the importance of Smart Teaching. She directed the faculty members to make use of online teaching resources. She engaged the participants using online tools to make learning effective. Dr.T.Kalaiselvi, Director, MBA/PEC through her topic 'Embracing Continuous learning for Success' elucidated that the process of teaching involves continuous learning and every teacher should keep himself updated and transfer the knowledge effectively to their students. Dr.K.Sundaramurthy, Head, IQAC/PEC through his topic 'Navigating Outcome based Education – A Roadmap for Excellence' addressed the dynamic requirements of the modern era where the emphasis is on holistic learning, digital literacy and skill development. This is in alignment with the New Educational Policy which signifies a transformative step in the field of education. Mrs.R.Bharathi AP/PCEd emphasized the quintessential need for pedagogical practices to make learning engaging and interesting for students. She further highlighted the different strategies and techniques of teaching and learning to make the classroom interactive and interesting.

Each resource person explained, elaborated and had an interactive session with the faculty members. Around thirteen topics were handled during the sessions. Every faculty member gave a model presentation of their teaching units and feedback was given to enhance their teaching skills. Different kinds of activities such as ice breaker, debate, group activities were also conducted to motivate the teachers. The programme thus catered to the needs of the inductees and the Faculty Development Department expressed its willingness to hand hold them till they acclimatize to Paavai lifes.

The Valedictory function was held on 06.05.2024 at Smart Hall at 02.00 pm. All the faculty members recorded their feedback. Shri.CA.N.V.Natarajan, Chairman highlighted the roles and responsibilities of the teachers. Sir instilled indelible noble values in the minds of teachers and stressed on the importance of incorporating effective and innovative teaching strategies to bring about a phenomenal change in classrooms. Ms. S.Elakkiya AP/English, PEC proposed the vote of thanks.



PAAVAI ENGINEERING COLLEGE
 (Autonomous)
 Pachal, Namakkal
Orientation Program for the newly joined faculty member
Faculty Development Department
 Academic year - 2023-2024

Attendance sheet

S.No	Name of the faculty	Department	01.04.2024	02.04.2024	03.04.2024	04.04.2024	05.04.2024
1.	R.Gunasekaran	AIML	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2.	S.Vangili	AIML	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3.	Dr.V.S.Ramakrishna Ganduri	Bio-Tech	<i>[Signature]</i> 1/4/24	<i>[Signature]</i> 2/4/24	<i>[Signature]</i> 3/4/24	<i>[Signature]</i> 4/4/24	<i>[Signature]</i> 5/4/24
4.	D.Sasikala	CSE	<i>[Signature]</i> 1/4/24	<i>[Signature]</i> 2/4/24	<i>[Signature]</i> 3/4/24	<i>[Signature]</i> 4/4/24	<i>[Signature]</i> 5/4/24
5.	M.Abishek	Pharma	<i>[Signature]</i> 1/4/24	<i>[Signature]</i> 2/4/24	<i>[Signature]</i> 3/4/24	<i>[Signature]</i> 4/4/24	<i>[Signature]</i> 5/4/24
6.	D.Tamilselvi	English	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7.	S.Elakkiya	English	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8.	Dr.S.Ramkumar	Maths	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9.	R.Vimala	Maths	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10.	A.Velsamy	MBA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11.	S.Megalatha	MBA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i> 3/4/24	<i>[Signature]</i> 4.24	<i>[Signature]</i> 5/4/24
12.	Dr.M.Raja	Head-Global studies	<i>[Signature]</i> 1/4/24	<i>[Signature]</i> 2/4/2024	<i>[Signature]</i> 3/4/2024	<i>[Signature]</i> 4/4/2024	<i>[Signature]</i> 5/4/2024
13.	M.Parthasarathy	Placement	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

PAAVAI EDUCATIONAL INSTITUTIONS
Pachal, Namakkal.
Faculty Development Department
Orientation Programme for Newly Recruited Faculty Members
(2023 - 2024)

Venue: Smart Hall

Date: 29.11.2023

Time: 10.30 a.m.

AGENDA FOR INAUGURAL FUNCTION

- Prayer
- Lighting the Kuthuvilakku : Smt.Mangai Natarajan
Correspondent, Paavai Educational Institutions
- Welcome Address : Dr.K.Selvi
Dean Academics, PEC
- Inaugural Address : Shri.CA.N.V.Natarajan
Chairman, Paavai Educational Institutions
- Felicitation : Smt.Mangai Natarajan
Correspondent, Paavai Educational Institutions
- Objectives of the Programme : Dr.J.Murshitha Banu
Head, FDD
- Commencement of Formal Sessions



**A REPORT ON THE FOUR DAY ORIENTATION PROGRAMME FOR THE
RECENTLY INDUCTED MEMBERS OF PAAVAI FAMILY**

2023-24

'Training Transforms! Training Empowers!'

The Faculty Development Department organized a four-day Orientation Programme for the recently recruited faculty members to make them familiar with the institutional practices and the instructional strategies of teaching and learning, because teachers are considered to be the pillars of Paavai. The Orientation Programme was held from 29.11.2023 to 02.12.2023 at Smart Hall. 31 faculty members from Paavai Educational Institutions attended the Orientation Programme.

The inaugural ceremony was held at Smart hall on 29.11.2023, Shri.CA.N.V.Natarajan Chairman, Paavai Educational Institutions delivered the Presidential Address. Sir highlighted that teachers should be exemplary role models who should create an active learning environment in the classrooms. He also stressed on the cardinal role of the faculty members to equip their students with the required skill sets, which will enable students to thrive in the real world. Smt. Mangai Natarajan, Correspondent Madam felicitated the gathering. Madam reiterated the fact that faculty members should update their knowledge and keep abreast of the latest happenings in their area of specialization. They should kindle in students the thirst to become life-long learners. She added that Teachers and Students should be partners in the classrooms. Dr.K.Selvi Dean Academics, PEC welcomed the gathering.

The objectives and methodology of the orientation programme were read out by Dr.J.Murshitha Banu Head, FDD. After the inauguration, the technical sessions commenced. Shri.CA.N.V.Natarajan Chairman, Paavai Educational Institutions, Dr.K.K.Ramasamy, Director Administration, Paavai Educational Institutions, Mrs.C.Jayalakshmi, Dean Counseling, Dr.M.PremKumar, Principal, PEC, Dr.B.Murali Babu, CoE, Dr.K.Selvi, Dean Academics, PEC, Dr.I.Rajendran, Dean Research and Innovation, PEC, Dr.J.Murshitha Banu Professor and Head, FDD, Mrs.M.Malathy, AP, FDD, Dr.D.Bhanumanthy, HoD/CSE, Dr.Mohanapriya, ASP/ECE were the resource persons for the programme who shed light on pertinent topics such as, 'Paavai on the Path of Progress', 'Be Ethical', 'Teachers are the Real Parents', 'Attitude, Skill and Knowledge', 'Paavai Culture', 'Inclination towards Research', 'Triple S relationship', 'Pedagogy of Teaching and Learning', 'Be Fluent', 'Be Liberated, Be Happy' and 'Smart Teaching'.

Shri.CA.N.V.Natarajan, Chairman of Paavai Educational Institutions conducted the session on the topic entitled "Paavai on the Path of Progress". Sir started with the history of Paavai Educational Institutions and showed the upward trajectory of Paavai. The progress of Paavai was the result of hard work and consistent effort of the stakeholders of Paavai. Paavai faculty members should be an embodiment of qualities such as commitment, empathy, knowledge, caring etc.

Students should be harnessed to transform into icons of Modern India with traditional roots. All the students should set their eyes on the peak with clear goals to emerge victorious.

Mrs. Jayalakshmi, Dean, Counseling, illustrated that "Teachers are Real Parents" by citing various lifetime incidents. She shared her experiences to deal with the slow learners in the classroom. Dr. K. K. Ramasamy, Director Administration, expounded on the different roles and responsibilities of the teachers. He advocated the practical methods of teaching to reach out to the students of all categories. He also stressed the importance of observation skill which should be developed by the teachers. He highlighted that knowledge of the fundamentals, good communication skills, keen observation and a pleasant attitude should be practiced by the teachers to improve their teaching skills. Various examples related to different branches of study and environments were explained. Dr. K. Selvi, Dean, Academics, PEC explained the significance of Paavai Culture, Paavai Mantra and Paavai beliefs. Dr. M. Prem Kumar, Principal, PEC, emphasized the importance of developing a right attitude to serve as worthy members of Paavai. He explained that, 'One's attitude determines one's Altitude'. Dr. B. Murali Babu, CoE elaborated on the significance of 'Triple S relationship'. He stated that the relationship of a faculty member with the students, other staff members, and superiors should have the line of boundary to maintain a healthy relationship. Dr. J. Murshitha Banu Professor and Head, FDD elaborated on the importance of English language and communication skills. She further highlighted the various skills for developing English language.

Dr. I. Rajendran, Dean Research and Innovation, PEC through his topic 'Inclination towards Research' stressed on the importance of research, which will elevate the status of Paavai Institutions in the field of research and innovative. Dr. D. Bhanumathy, HoD, CSE explained the Be Liberated, Be Happy with various activities. Mrs. M. Malathy AP, FDD emphasized the pedagogy of teaching and learning. She further highlighted the different strategies and techniques of teaching and learning to make the classroom interactive and interesting. Dr. Mohanapriya, ASP, ECE explained the importance of Smart Teaching. She directed the faculty members to make use of online teaching resources. She engaged the participants using online tools to make learning effective.

Each resource person explained, elaborated and had an interactive session with the faculty members. Around twelve topics were handled during the sessions. Throughout the orientation, the members were facilitated to hone their LSRW skills. Every faculty member gave a model presentation of their teaching units and feedback was given to enhance their teaching skills. Different kinds of activities such as ice breaker, debate, group activities were also conducted to motivate the teachers. The programme thus catered to the needs of the inductees and the Faculty Development Department expressed its willingness to be with them as and when required.

The Valedictory function was held on 02.12.2023 at Smart Hall at 02.00 pm. All the faculty members recorded their feedback. Shri. CA. N. V. Natarajan, Chairman highlighted the roles and

responsibilities of the teachers. Sir instilled indelible noble values in the minds of teachers and stressed on the importance of incorporating effective and innovative teaching strategies to bring about a phenomenal change in classrooms. Ms. Ilakya, AP, Pharmaceutical department proposed the vote of thanks.



PAAVAI ENGINEERING COLLEGE
(Autonomous)
Pachal, Namakkal.

Faculty Development Department
Orientation Programme for Newly Recruited Faculty

(2023 - 2024)

Attendance Sheet (FN)

Date: 12.06.2023 to 16.06.2023

S.No	Name of the faculty	Department	12.06.2023	13.06.2023	14.06.2023	15.06.2023	16.06.2023
1.	Dr.M.Udhyavani	BME	M.O	M.O	M.O	M.O	M.O
2.	Dr. M. Arivukarasi	CSE	M.A	M.A	M.A	M.A	M.A
3.	Dr.A.Jeyamurugan	CSE	A.J	A.J	A.J	A.J	A.J
4.	Ms.S.Umamaheswari	CSE	S.U	S.U	S.U	S.U	S.U
5.	S.Suganya	Cyber	S.S	S.S	S.S	S.S	S.S
6.	Mr.J.G.Elavarasan	Chemical	J.G	J.G	J.G	J.G	J.G
7.	Mr.A.Saravanan	ECE	A.S	A.S	A.S	A.S	A.S
8.	Dr.B.Dhevahi	Food					
9.	Mrs.R.Sangeetha	IT	R.S	R.S	R.S	R.S	R.S
10.	Mrs.S.Sharmila	English	S.Sh	S.Sh	S.Sh	S.Sh	S.Sh
11.	Mrs.Divyabharathi	English	S.DH	S.DH	S.DH	S.DH	S.DH
12.	Mr.R.Radhakrishnan	English	R.R	R.R	R.R	R.R	R.R
13.	Ms.P.Suganya	Chemistry	P.S	P.S	P.S	P.S	P.S
14.	Dr.Kamalakaran	Physics	K.K	K.K	K.K	K.K	K.K
15.	Dr.C.Saravanan	Physics	C.S	C.S	C.S	C.S	C.S
16.	Mr.Thangavelu	Physics	T.Th	T.Th	T.Th	T.Th	T.Th

17. Mrs R. S. Suvetha. FDD P.S.dh.

18. Dr. P. Srinivasan AEML P. hinc p.hinc p.hinc p.hinc p.hinc

19. C. Vignesh Agri C.vignesh

PAAVAI EDUCATIONAL INSTITUTIONS
Pachal, Namakkal.
Faculty Development Department
Orientation Programme for Newly Recruited Faculty Members
(2023 - 2024)

Venue: Smart Hall

Date: 12.06.2023

Time: 10.30 a.m.

INAUGURAL AGENDA

- ❖ Prayer

- ❖ Lighting the kuthuvilakku : Smt.Mangai Natarajan
Correspondent, Paavai Institutions

- ❖ Welcome Address : Dr.K.Selvi
Dean Academics, Paavai Institutions

- ❖ Inaugural Address : Shri.CA.N.V.Natarajan
Chairman, Paavai Institutions

- ❖ Felicitation Address : Smt.Mangai Natarajan
Correspondent, Paavai Institutions

- ❖ Objectives of the Programme : Dr.J.Murshitha Banu
FDD, PEC

- ❖ Over to the Session.....

**A REPORT ON THE SIX DAY ORIENTATION PROGRAMME FOR THE RECENTLY
INDUCTED MEMBERS OF PAAVAI FAMILY**

2023-24

'Training Transforms! Training Empowers!'

The Faculty Development Department organized a six-day orientation programme for the recently recruited faculty members to make them familiar with the institutional practices and the instructional strategies of teaching and learning, because teachers are considered to be the pillars of Paavai. The orientation programme was held from 12.06.2023 to 19.06.2023 at Smart Hall. 40 faculty members from Paavai institutions attended the orientation programme.

The inauguration was held at Smart hall on 12.06.2023, Dr.K.Selvi, Dean Academics welcomed the gathering. Smt. Mangai Natarajan, Correspondent explained that teaching and learning should go hand in hand in classrooms. Madam reiterated that the teaching is a vocation which will enable every teacher to carve an identity. Self-Introduction was given by the faculty members. She stressed on in-depth teaching which will ignite our students to transform into independent creative thinkers.

The objectives and methodology of the orientation programme were read out by Dr.J.Murshitha Banu Professor, FDD. After the inauguration, the technical sessions commenced. Shri.CA.N.V.Natarajan Chairman, Paavai Educational Institutions, Dr.K.K.Ramasamy, Director Administration, Paavai Educational Institutions, Mrs.C.Jayalakshmi, Dean Counseling, Dr.M.PremKumar, Principal, PEC, Dr.B.Murali Babu, CoE, Dr.K.Selvi, Dean Academics, PEC Dr.J.Murshitha Banu Professor, FDD, Dr.D.Bhanumanthy, HoD/CSE, Dr.Mohanapriya, ASP/ECE, and Mr.Elavarasan, Yoga Trainer were the resource persons for the programme who shed light on areas such as, 'Paavai on the Path of Progress' 'Teachers are the Real Parents', 'Be Ethical', 'Paavai Culture', 'Attitude, Skill and Knowledge', 'Triple S relationship', 'Pedagogy of Teaching and Learning', 'Be liberated, Be Happy', 'Be Fluent', 'Smart Teaching' and 'Yoga'.

Shri.CA.N.V.Natarajan Chairman conducted the session on the topic entitled "Paavai on the Path of Progress". Sir started with the history of all Paavai Educational Institutions and showed the upward trajectory of Paavai. The growth of Paavai was the result of contributions from all the stakeholders. Paavai faculty members should be an embodiment of qualities such as commitment, empathy, knowledgeable, caring etc. Students should be harnessed to become icons of Modern India with traditional roots. All the students should set their eyes on the peak with clear goals to become winners all the way.

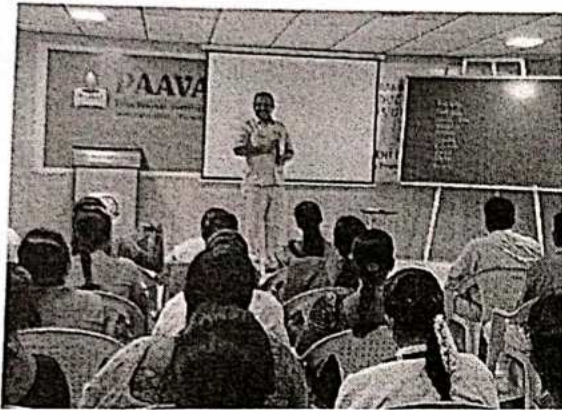
Mrs.Jayalakshmi, Dean, Counseling, illustrated that "Teachers are Real Parents" by demonstrating various lifetime incidents. She shared her experiences to deal with the slow learners in the classroom. Dr.K.K.Ramasamy, Director Administration, expounded on the different roles and responsibilities of the teachers. He advocated the practical methods of

teaching to reach out to the students of all categories. He also stressed the importance of observation skill and it should be developed by the teacher. He highlighted that knowledge of the fundamentals, good communication skills, guiding force/motivator, observation, pleasant attitude should be practiced by the teachers to improve their teaching skills. Various examples related to different branches of study and environments were explained. Dr.K.Selvi, Dean, Academics, PEC explained the significance of Paavai Culture, Paavai Mantra and Paavai belief. Dr.M.PremKumar, Principal, PEC, emphasized the importance of developing a right attitude to serve as worthy members of Paavai. He explained that. 'One's attitude determines one's Altitude'. Dr.B.Murali Babu, CoE elaborated on the significance of 'Triple S relationship'. He stated that the relationship of a faculty member with the students, other staff members, and superior should have the line of boundary for maintain healthy relationship. Dr.J.Murshitha Banu Professor, FDD emphasized the pedagogy of teaching and learning. She further highlighted the different strategies and techniques of teaching and learning to make the classroom interactive and interesting.

Dr.D.Bhanumathy, HoD, CSE explained the Be Liberated, Be Happy with various activities. Dr.J.Murshitha Banu Professor, FDD elaborated on the importance of English language and communication skills. She further highlighted the various skills for developing English language. Dr.Mohanapriya, ASP, ECE explained the importance of Smart Teaching. She demonstrated the various app for teaching online and she engaged the participants in online tools and their optimum utilization for making learning effective. Mr.Elavarasan, Yoga Trainer demonstrated the various asanas and yoga exercise.

Each resource person explained, elaborated and had an interactive session with the faculty members. Around eleven topics had been handled in these six days. Throughout the orientation, the members were assisted to hone their LSRW skills. Every faculty gave a model presentation of their teaching units and feedback was given then to enhance their teaching skills. Different kinds of activities such as ice breaker, role play, group activities were also conducted to motivate the teachers. The programme thus catered to the needs of the inductees and the Faculty Development Department expressed its willingness to be with them as and when required.

The Valedictory function was held on 19.06.2023 at Smart Hall at 02.00 pm. All the faculty members recorded their feedback. Shri.CA.N.V.Natarajan, Chairman highlighted the roles and responsibilities of the teachers. Sir instilled noble values in the minds of teachers and stressed on the importance of incorporating effective and innovative teaching strategies to bring about a phenomenal change in classrooms. Smt. Mangai Natarajan, Correspondent said that teachers should always strive to inculcate confidence among students. She said that the teachers should practice loud reading. She highlighted that all the Paavai family members should be socially responsible, legally bound, economically stable and ethical sound. Ms.R.Petricia, Assistant Professor, Bio-Tech, PCT proposed the vote of thanks.



PAAVAI ENGINEERING COLLEGE
(Autonomous)
Pachal, Namakkal.

Faculty Development Department
Orientation Programme for Newly Recruited Faculty

(2023 - 2024)

Attendance Sheet (FN)

Date: 12.06.2023 to 16.06.2023

S.No	Name of the faculty	Department	12.06.2023	13.06.2023	14.06.2023	15.06.2023	16.06.2023
1.	Dr.M.Udhyavani	BME	M.O.	M.O.	M.O.	M.O.	M.O.
2.	Dr. M. Arivukarasi	CSE	M.A.	M.A.	M.A.	M.A.	M.A.
3.	Dr.A.Jeyamurugan	CSE	A.J.	A.J.	A.J.	A.J.	A.J.
4.	Ms.S.Umamaheswari	CSE	S.U.	S.U.	S.U.	S.U.	S.U.
5.	S.Suganya	Cyber	S.S.	S.S.	S.S.	S.S.	S.S.
6.	Mr.J.G.Elavarasan	Chemical	J.G.	J.G.	J.G.	J.G.	J.G.
7.	Mr.A.Saravanan	ECE	A.S.	A.S.	A.S.	A.S.	A.S.
8.	Dr.B.Dhevahi	Food					
9.	Mrs.R.Sangeetha	IT	R.S.	R.S.	R.S.	R.S.	R.S.
10.	Mrs.S.Sharmila	English	S.S.	S.S.	S.S.	S.S.	S.S.
11.	Mrs.Divyabharathi	English	D.V.	D.V.	D.V.	D.V.	D.V.
12.	Mr.R.Radhakrishnan	English	R.R.	R.R.	R.R.	R.R.	R.R.
13.	Ms.P.Suganya	Chemistry	P.S.	P.S.	P.S.	P.S.	P.S.
14.	Dr.Kamalakaran	Physics	K.K.	K.K.	K.K.	K.K.	K.K.
15.	Dr.C.Saravanan	Physics	C.S.	C.S.	C.S.	C.S.	C.S.
16.	Mr.Thangavelu	Physics	T.V.	T.V.	T.V.	T.V.	T.V.

17. Mrs R.S. Sueltha. FDD P.S.S.

18. Dr. P. Srinivasan H&ML P. Srinivasan P. Srinivasan P. Srinivasan P. Srinivasan P. Srinivasan

19. C. Vignesh Agri C. Vignesh

PAAVAI ENGINEERING COLLEGE
(Autonomous)
Pachal, Namakkal.

Faculty Development Department
Orientation Programme for Newly Recruited Faculty

(2023 - 2024)

Attendance Sheet (AN)

Date: 12.06.2023 to 16.06.2023

S.No	Name of the faculty	Department	12.06.2023	13.06.2023	14.06.2023	15.06.2023	16.06.2023
1.	Dr.M.Udhyavani	BME	M.O.	M.O.	M.O.	M.O.	M.O.
2.	Dr. M. Arivukarasi	CSE	Ariv	Ariv	Ariv	Ariv	Ariv
3.	Dr.A.Jeyamurugan	CSE	AJ	AJ	AJ	AJ	AJ
4.	Ms.S.Umamaheswari	CSE	S.Umamaheswari	S.Umamaheswari	S.Umamaheswari	S.Umamaheswari	S.Umamaheswari
5.	S.Suganya	Cyber	Suganya	Suganya	Suganya	Suganya	Suganya
6.	Mr.J.G.Elavarasan	Chemical	J.G.	J.G.	J.G.	J.G.	J.G.
7.	Mr.A.Saravanan	ECE	A.Saravanan	A.Saravanan	A.Saravanan	A.Saravanan	A.Saravanan
8.	Dr.B.Dhevahi	Food					
9.	Mrs.R.Sangeetha	IT	R.Sangeetha	R.Sangeetha	R.Sangeetha	R.Sangeetha	
10.	Mrs.S.Sharmila	English	S.Sharmila	S.Sharmila	S.Sharmila		
11.	Mrs.Divyabharathi	English	Divyabharathi	Divyabharathi	Divyabharathi	Divyabharathi	
12.	Mr.R.Radhakrishnan	English	R.Radhakrishnan	R.Radhakrishnan	R.Radhakrishnan	R.Radhakrishnan	
13.	Ms.P.Suganya	Chemistry	P.Suganya	P.Suganya	P.Suganya		
14.	Dr.Kamalakaran	Physics	K.Kamalakaran	K.Kamalakaran	K.Kamalakaran		
15.	Dr.C.Saravanan	Physics	C.Saravanan	C.Saravanan	C.Saravanan	C.Saravanan	
16.	Mr.Thangavelu	Physics	Thangavelu	Thangavelu	Thangavelu	Thangavelu	

17. Ms. R. S. Swetha - FDD R.S.Swetha
 18. Dr. P. Sathirubalan M & ML P. Sathirubalan
 P. C. Vignesh Agri C. Vignesh

PAAVAI EDUCATIONAL INSTITUTIONS
Pachal, Namakkal.
Faculty Development Department
Orientation Programme for Newly Recruited Faculty Members
(2023 - 2024)

Venue: Smart Hall

Date: 11.09.2023

Time: 10.30 a.m.

AGENDA FOR INAUGURAL FUNCTION

- Prayer
- Lighting the Kuthuvilakku : Smt.Mangai Natarajan
Correspondent, Paavai Educational Institutions
- Welcome Address : Dr.J.Murshitha Banu
FDD, PEC
- Inaugural Address : Shri.CA.N.V.Natarajan
Chairman, Paavai Educational Institutions
- Felicitation : Smt.Mangai Natarajan
Correspondent, Paavai Educational Institutions
- Objectives of the Programme : Mrs.Malathy , Assistant Professor, FDD
- Commencement of Formal Sessions

**A REPORT ON THE SIX DAY ORIENTATION PROGRAMME FOR THE
RECENTLY INDUCTED MEMBERS OF PAAVAI FAMILY
2023-24**

'Training Transforms! Training Empowers!'

The Faculty Development Department organized a six-day Orientation Programme for the recently recruited faculty members to make them familiar with the institutional practices and the instructional strategies of teaching and learning, because teachers are considered to be the pillars of Paavai. The Orientation Programme was held from 11.09.2023 to 16.09.2023 at Smart Hall. 50 faculty members from Paavai Educational Institutions attended the Orientation Programme.

The inaugural ceremony was held at Smart hall on 11.09.2023, Shri.CA.N.V.Natarajan Chairman, Paavai Educational Institutions delivered the Presidential Address. Sir highlighted that teachers should be exemplary role models who should create an active learning environment in the classrooms. He also stressed on the cardinal role of the faculty members to equip their students with the required skill sets, which will enable students to thrive in the real world. Smt. Mangai Natarajan, Correspondent Madam felicitated the gathering. Madam reiterated the fact that faculty members should update their knowledge and keep abreast of the latest happenings in their area of specialization. They should kindle in students the thirst to become life-long learners. She added that Teachers and Students should be collaborators in the classrooms. Dr.J.Murshitha Banu Professor, FDD welcomed the gathering.

The objectives and methodology of the orientation programme were read out by Mrs.M.Malathy AP, FDD. After the inauguration, the technical sessions commenced. Shri.CA.N.V.Natarajan Chairman, Paavai Educational Institutions, Dr.K.K.Ramasamy, Director Administration, Paavai Educational Institutions, Mrs.C.Jayalakshmi, Dean Counseling, Dr.M.PremKumar, Principal, PEC, Dr.B.Murali Babu, CoE, Dr.K.Selvi, Dean Academics, PEC Dr.I.Rajendran, Dean Research and Innovation, PEC, Dr.J.Murshitha Banu Professor, FDD, Mrs.M.Malathy, AP, FDD, Dr.D.Bhanumanthy, HoD/CSE, Dr.Mohanapriya, ASP/ECE, and Mr.Elavarasan, Yoga Trainer were the resource persons for the programme who shed light on pertinent topics such as, 'Paavai on the Path of Progress', 'Be Ethical', 'Teachers are the Real Parents', 'Attitude, Skill and Knowledge', 'Paavai Culture', 'Inclination towards Research', 'Triple S relationship', 'Pedagogy of Teaching and Learning', 'Be Fluent', 'Be Liberated, Be Happy', 'Smart Teaching' and 'Yoga and Meditation'.

Shri.CA.N.V.Natarajan Chairman conducted the session on the topic entitled "Paavai on the Path of Progress". Sir started with the history of all Paavai Educational Institutions and showed the upward trajectory of Paavai. The growth of Paavai was the result of contributions from all the stakeholders. Paavai faculty members should be an embodiment of qualities such as commitment, empathy, knowledge, caring etc. Students should be harnessed to become icons of Modern India with traditional roots. All the students should set their eyes on the peak with clear goals to become winners all the way.

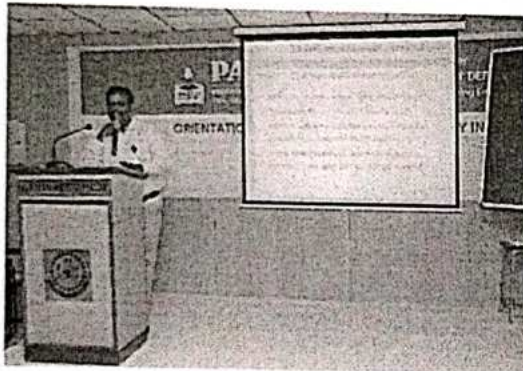


Mrs. Jayalakshmi, Dean, Counseling, illustrated that "Teachers are Real Parents" by citing various lifetime incidents. She shared her experiences to deal with the slow learners in the classroom. Dr. K. K. Ramasamy, Director Administration, expounded on the different roles and responsibilities of the teachers. He advocated the practical methods of teaching to reach out to the students of all categories. He also stressed the importance of observation skill which should be developed by the teachers. He highlighted that knowledge of the fundamentals, good communication skills, keen observation and a pleasant attitude should be practiced by the teachers to improve their teaching skills. Various examples related to different branches of study and environments were explained. Dr. K. Selvi, Dean, Academics, PEC explained the significance of Paavai Culture, Paavai Mantra and Paavai beliefs. Dr. M. PremKumar, Principal, PEC, emphasized the importance of developing a right attitude to serve as worthy members of Paavai. He explained that. 'One's attitude determines one's Altitude'. Dr. B. Murali Babu, CoE elaborated on the significance of 'Triple S relationship'. He stated that the relationship of a faculty member with the students, other staff members, and superiors should have the line of boundary to maintain a healthy relationship. Dr. J. Murshitha Banu Professor, FDD emphasized the pedagogy of teaching and learning. She further highlighted the different strategies and techniques of teaching and learning to make the classroom interactive and interesting.

Dr. I. Rajendran, Dean Research and Innovation, PEC through his topic 'Inclination towards Research' stressed on the importance of research, which will elevate the status of Paavai Institutions in the field of academia. Dr. D. Bhanumathy, HoD, CSE explained the Be Liberated, Be Happy with various activities. Mrs. M. Malathy AP, FDD elaborated on the importance of English language and communication skills. She further highlighted the various skills for developing English language. Dr. Mohanapriya, ASP, ECE explained the importance of Smart Teaching. She directed the faculty members to make use of online teaching resources. She engaged the participants using online tools to make learning effective. Mr. Elavarasan, Yoga Trainer demonstrated the various asanas and yoga exercises.

Each resource person explained, elaborated and had an interactive session with the faculty members. Around twelve topics were handled during the sessions. Throughout the orientation, the members were facilitated to hone their LSRW skills. Every faculty member gave a model presentation of their teaching units and feedback was given to enhance their teaching skills. Different kinds of activities such as ice breaker, debate, group activities were also conducted to motivate the teachers. The programme thus catered to the needs of the inductees and the Faculty Development Department expressed its willingness to be with them as and when required.

The Valedictory function was held on 16.09.2023 at Smart Hall at 02.00 pm. All the faculty members recorded their feedback. Shri. CA. N. V. Natarajan, Chairman highlighted the roles and responsibilities of the teachers. Sir instilled indelible noble values in the minds of teachers and stressed on the importance of incorporating effective and innovative teaching strategies to bring about a phenomenal change in classrooms. Ms. Lakshmi Pavithra, Tutor, PIAHS proposed the vote of thanks.



PAAVAI ENGINEERING COLLEGE
(Autonomous)
Pachal, Namakkal.
Faculty Development Department
Orientation Programme for Newly Recruited Faculty (2023 - 2024)
Attendance Sheet (FN)

S.No	Name of the faculty	Department	11.09.2023	12.09.2023	13.09.2023	14.09.2023	15.09.2023	16.09.2023
1.	K.Preethi	Agri	<i>K.Preethi</i>	<i>K.Preethi</i>	<i>K.Preethi</i>	<i>K.Preethi</i>	<i>K.Preethi</i>	<i>K.Preethi</i>
2.	Lekshmi V.Nair	BME	<i>L.V.Nair</i>	<i>L.V.Nair</i>	<i>L.V.Nair</i>	<i>L.V.Nair</i>	<i>L.V.Nair</i>	<i>L.V.Nair</i>
3.	G.Adaikalaselvan	BT	<i>G.Adaikal</i>	<i>G.Adaikal</i>	<i>G.Adaikal</i>	<i>G.Adaikal</i>	<i>G.Adaikal</i>	<i>G.Adaikal</i>
4.	S.Ramya	Cyber	<i>S.Ramya</i>	<i>S.Ramya</i>	<i>S.Ramya</i>	<i>S.Ramya</i>	<i>S.Ramya</i>	<i>S.Ramya</i>
5.	Sabari Suganya G	CSE	<i>S.Suganya</i>	<i>S.Suganya</i>	<i>S.Suganya</i>	<i>S.Suganya</i>	<i>S.Suganya</i>	<i>S.Suganya</i>
6.	R.Maniselvi	Tamil	<i>R.Maniselvi</i>	<i>R.Maniselvi</i>	<i>R.Maniselvi</i>	<i>R.Maniselvi</i>	<i>R.Maniselvi</i>	<i>R.Maniselvi</i>
7.	D.Kalaiselvi	Tamil	<i>D.Kalaiselvi</i>	<i>D.Kalaiselvi</i>	<i>D.Kalaiselvi</i>	<i>D.Kalaiselvi</i>	<i>D.Kalaiselvi</i>	<i>D.Kalaiselvi</i>
8.	V.Ramya	ECE	<i>V.Ramya</i>	<i>V.Ramya</i>	<i>V.Ramya</i>	<i>V.Ramya</i>	<i>V.Ramya</i>	<i>V.Ramya</i>
9.	K.Prasanamery	ECE	<i>K.Prasanamery</i>	<i>K.Prasanamery</i>	<i>K.Prasanamery</i>	<i>K.Prasanamery</i>	<i>K.Prasanamery</i>	<i>K.Prasanamery</i>
10.	R.Logarasu	ECE	<i>R.Logarasu</i>	<i>R.Logarasu</i>	<i>R.Logarasu</i>	<i>R.Logarasu</i>	<i>R.Logarasu</i>	<i>R.Logarasu</i>
11.	Dr.M.Shanthakumar	ECE	<i>Dr.M.Shanthakumar</i>	<i>Dr.M.Shanthakumar</i>	<i>Dr.M.Shanthakumar</i>	<i>Dr.M.Shanthakumar</i>	<i>Dr.M.Shanthakumar</i>	<i>Dr.M.Shanthakumar</i>
12.	N.Salma Subetha	MBA	<i>N.Salma Subetha</i>	<i>N.Salma Subetha</i>	<i>N.Salma Subetha</i>	<i>N.Salma Subetha</i>	<i>N.Salma Subetha</i>	<i>N.Salma Subetha</i>
13.	S.Sudharshini	MBA	<i>S.Sudharshini</i>	<i>S.Sudharshini</i>	<i>S.Sudharshini</i>	<i>S.Sudharshini</i>	<i>S.Sudharshini</i>	<i>S.Sudharshini</i>
14.	R.Leelavathi	MBA	<i>R.Leelavathi</i>	<i>R.Leelavathi</i>	<i>R.Leelavathi</i>	<i>R.Leelavathi</i>	<i>R.Leelavathi</i>	<i>R.Leelavathi</i>
15.	Dr.J.Senthil	Food	<i>Dr.J.Senthil</i>	<i>Dr.J.Senthil</i>	<i>Dr.J.Senthil</i>	<i>Dr.J.Senthil</i>	<i>Dr.J.Senthil</i>	<i>Dr.J.Senthil</i>
16.	S.Dhanasekaran	Chemical	<i>S.Dhanasekaran</i>	<i>S.Dhanasekaran</i>	<i>S.Dhanasekaran</i>	<i>S.Dhanasekaran</i>	<i>S.Dhanasekaran</i>	<i>S.Dhanasekaran</i>

17.	Dr.Kulkarni	English	Kulkarni	Kulkarni	Kulkarni	Kulkarni	Kulkarni	Kulkarni
18.	J.Jayamani	English	J.Jayamani	J.Jayamani	J.Jayamani	J.Jayamani	J.Jayamani	J.Jayamani
19.	A.Shanmugham	English	A.Shanmugham	A.Shanmugham	A.Shanmugham	A.Shanmugham	A.Shanmugham	A.Shanmugham
20.	R.S.Singaravel	English	R.S.Singaravel	R.S.Singaravel	R.S.Singaravel	R.S.Singaravel	R.S.Singaravel	R.S.Singaravel
21.	S.Hemalatha	Mathematics	S.Hemalatha	S.Hemalatha	S.Hemalatha	S.Hemalatha	S.Hemalatha	S.Hemalatha
22.	P.Sridhar	Mathematics	P.Sridhar	P.Sridhar	P.Sridhar	P.Sridhar	P.Sridhar	P.Sridhar
23.	S.Prabhuraja	Mathematics	S.Prabhuraja	S.Prabhuraja	S.Prabhuraja	S.Prabhuraja	S.Prabhuraja	S.Prabhuraja
24.	K.M.Prabu	Mathematics	K.M.Prabu	K.M.Prabu	K.M.Prabu	K.M.Prabu	K.M.Prabu	K.M.Prabu
25.	A.Megala	Mathematics	A.Megala	A.Megala	A.Megala	A.Megala	A.Megala	A.Megala
26.	J.Naveen	Chemistry	J.Naveen	J.Naveen	J.Naveen	J.Naveen	J.Naveen	J.Naveen
27.	D.Kanagavalli	P&T	D.Kanagavalli	D.Kanagavalli	D.Kanagavalli	D.Kanagavalli	D.Kanagavalli	

PAAVAI EDUCATIONAL INSTITUTIONS
FACULTY REVALIDATION PROGRAMME
Organized by Faculty Development Department
2023 -24

The inauguration of Faculty Revalidation Programme (FRP) for the academic year 2023-24 for the faculty members of Paavai Engineering College, Paavai College of Engineering, Paavai College of Technology, Paavai Polytechnic College, Paavai Arts and Science college for Women, Paavai college of Nursing and Research, Paavai college of Pharmacy and Research, Paavai Physiotherapy Science College and Paavai Institute of Allied Health Sciences were held in Smart Hall at 02.00 p.m. on 04.12.2023. The programme started with the Prayer Song. Smt.Mangai Natarajan, Correspondent, Paavai Institutions, inaugurated the event by lighting the kuthuvilakku and delivered the felicitation address. The welcome address was given by Dr.J.Murshitha Banu Head, FDD, PEC. The Chairman Shri.CA.N.V.Natarajan, delivered the inaugural address. He insisted that this FRP is a chiseling process and healthy exercise for the faculty members to enrich, develop, and update their professional skills in teaching and learning process. The teachers' role is to impart quality teaching to the students. This forum provides an opportunity for the faculty members to exhibit their contextual knowledge and the teaching skills for the betterment of themselves and to the student community at large. He concluded that the teachers should make use of this platform in a proper sense with right attitude and excel in their life.

Smt.Mangai Natarajan, Correspondent, Paavai Educational Institutions, felicitated the gathering. She explained that the purpose of teaching is to have clarity in thoughts, words and expressions. She also highlighted the role of teacher. She said that the presenters should have the thirst to learn and update their knowledge and skill from the seniors and experts on the panel. She expressed that the technical terms play a vital role in the learning process of the students and she insisted that the teacher should make use of technical terms to make learning experiences meaningful and useful. She concluded that the teaching-learning should take place simultaneously and the teacher should interact with the brains of the young minds and be facilitors channeling students in a right direction.

Next, Prof.A.S.Kandasamy, retired Chief Engineer, TNEB and Prof.Emeritus stated that the knowledge of the fundamentals is very important for every teacher to teach clearly and confidently. He highlighted that mere memorizing of subjects and reproducing in exam may get a degree, but it would not provide employability so, it is very important for every teacher to understand the subject and teach effectively to make students employable. All the Principals of Paavai Institutions graced the occasion. With this the Inauguration came to an end. The Faculty members of Paavai Institutions presented their topics and the expert members of Faculty Revalidation Programme gave their observations, corrections and suggestions to improve their domain knowledge and pedagogical skills. Totally 132 faculty members of Paavai Educational Institutions presented their topics.



AN EXCLUSIVE WORKSHOP WAS ORGANISED ON THE TOPIC "BE AN EMPOWERED TEACHER" FROM 20.06.2024 TO 24.06.2024

An exclusive workshop was organised on the topic entitled “Be an Empowered Teacher” by Shri.CA.N.V.Natarajan, most revered Chairman of Paavai Educational Institutions for all the faculty members of Paavai Educational Institutions from 20.6.2024 to 24.6.2024. A total of 318 faculty members were present for the workshop which was conducted in four batches.

Being an Empowered Teacher:

In the evolving landscape of education, the role of a teacher has transcended beyond mere dissemination of knowledge. Teachers today are seen as mentors, guides, and catalysts for change. During the session pivotal themes such as accountability, responsibility, and the timeless concept of Guru Dharma were highlighted, shedding light on what it means to be an empowered teacher in contemporary times.

Accountability and responsibility form the cornerstone of effective teaching. Chairman Sir emphasized that teachers must not only be accountable for their actions and decisions but also take responsibility for the outcomes of their students. Accountability involves a commitment to uphold high standards of teaching and learning, ensuring that educational objectives are met and students are supported in their academic and personal growth. Responsibility, on the other hand, entails being proactive in addressing the needs of students, adapting teaching methods to diverse learning styles, and continuously improving one’s skills through professional development.

The concept of Guru Dharma, deeply rooted in ancient Indian tradition, encapsulates the ethical and moral duties of a teacher. Chairman Sir eloquently described Guru Dharma as the guiding principle that defines the relationship between a teacher and their students. It emphasizes compassion, patience, and a genuine desire to nurture students’ potential. Under Guru Dharma, a teacher is seen not just as an instructor but as a mentor who shapes the character and values of their students. This holistic approach to teaching fosters an environment where students feel respected, valued, and inspired for instance, in Indian tradition, the Guru was held in the highest regard, often equated with divinity. This historical context underscores the enduring significance of the teaching profession and its impact on societal development.

Chairman Sir also shared contemporary insights on the evolving role of technology in education. He emphasized the importance of integrating digital tools to enhance learning experiences and the need for teachers to be adept at navigating these technologies. However, he cautioned that technology should complement, not replace, the human touch that is crucial in education.

Being an empowered teacher today involves a blend of accountability, responsibility, and adherence to the principles of Guru Dharma. It requires a commitment to personal and professional growth, an understanding of the profound impact teachers have on their students, and a willingness to embrace change while maintaining the core values of the teaching profession. Chairman Sir’s address was a compelling reminder of the noble responsibilities that teachers carry and the profound difference they make in shaping future generations.



REBRANDING THE IDENTITY" A GUEST LECTURE WAS ORGANIZED BY FDD ON 20.11.2023 & 22.11.2023

A Guest Lecture on the topic “Rebranding the Identity” was organized by FDD on 20.11.2023 & 22.11.2023 at Smart Hall. Dr.R.Kasthuribai Retired Professor of English, an iconic speaker and a prolific writer was the Resource Speaker. The programme started invoking God’s blessings with the prayer song. Dr.J.Murshitha Banu, Head, FDD, welcomed the gathering. Shri. CA.N.V.Natarajan, Chairman, Paavai Institutions delivered the Presidential Address. Sir conveyed an important message that faculty members should be open minded for the session and be willing to change themselves according to the present day scenario and carve a special identity in Paavai. Dr.R.Kasthuribai, Retired Professor of English delivered the Inaugural address where she highlighted the fact the faculty members will have to up skill themselves in their area of specialization and ingrained that “The destiny of a nation is shaped in the classrooms”. Mrs.Mangai Natarajan, Correspondent felicitated the gathering. She stressed that teachers and students are equal partners in the classrooms. She added that all should adopt the pace of nature and be like water constantly moving, consistently learning.

The session started with the speaker stating that the teachers have a prime duty to create a dynamic learning environment for the students to become engaged, participative and contributive. The erudite speaker with a verbal thump focused on many thrust areas both for teachers and students, such as collaborative thinking, STEM education, innovation in the engineering field, updating knowledge, active learning, teaching methodologies using ICT Tools, lateral thinking skills, problem solving skills, alignment skills, soft skills etc. She kindled curiosity and creativity and evinced the interest of faculty members through brainstorming, team teaching, demonstration, interesting videos, games, riddles and play with English words. She concluded that change is the only permanent thing in the world and geared the participants to redesign the future of younger generations. Dr.R.Mohanapriya, ASP, Dept of ECE, proposed the Vote of Thanks. Totally 322 faculty members benefitted from the three day guest lecture



PAAVAI INSTITUTIONS

Pachal, Namakkal.



A Faculty Rejuvenation Programme

10.01.24 to 13.01.24, Yercaud.

Day 1 10-01-2024

DAY OF WISHES

01.30 pm	Departure from Paavai
03.00 pm	Arrival at Yercaud
03.15 pm to 04.45 pm	Accommodation
04.45 pm to 05.30 pm	High Tea
05.45 pm to 07.30 pm	Grand Inauguration
07.45 pm to 08.45 pm	Dinner
08.45 pm to 09.00 pm	Ground Rules
09.15 pm	Settle in rooms

Day -2 11-01-2024

DAY OF POSITIVITY

06.00 am – 06.30 am	Zumba Dance
07.45 am – 08.45 am	Breakfast
08.45 am – 09.45 am	Ice Breaker
09.45 am – 11.15 am	Session 1
11.15am – 11.30 pm	Tea Break
11.30 pm – 01.00 pm	Session 2
01.00 pm – 02.00 pm	Lunch
02.00 pm – 02.30 pm	Energizer
02.30 pm – 04.00pm	Session 3
04.00 pm – 04.15 pm	Tea break
04.30 pm – 06.30 pm	Common Session
06.30 pm – 07.45 pm	Glass Walk/ Fire Walk Chair Talk - "Dynamic Interaction"
07.45 pm – 09.15 pm	Dinner
09.15 pm	Onwards Assignments

Trainer	Topic
Dr.Kasthuri	Teacher, the value viewer
Mr.Jayaraman	Teacher a Leader
Mr.Prabhu	Teacher a Friend
Mrs.Sheethal	Mix Match
Mr.Raman	Paavai a place to grow, a place to live
Mr.Suthir	Oneness - OBT

Day 2	Crusader 1	Crusader 2	Crusader 3	Pathfinder 1	Pathfinder 2
9.45 - 11.15a.m.	Dr.Kasthuri	Mrs.Sheethal	Mr.Jayaraman	Mr.Raman	Mr.Prabhu
11.30 - 01.00 p.m.	Mr.Jayaraman	Mr.Raman	Mr.Prabhu	Mr.Suthir	Dr.Kasthuri
02.30 - 04.00 p.m.	Mr.Prabhu	Mr.Suthir	Dr.Kasthuri	Mrs.Sheethal	Mr.Jayaraman

Day -3 12-01-2024

DAY OF GOOD DEEDS

Time	Topic
06.00 am - 08.30 am	Trekking
08.30 am - 09.30 am	Breakfast & Getting ready
09.40 am - 11.15 am	Session 4
11.15 am - 11.30 pm	Tea Break
11.30 pm - 01.00 pm	Session 5
01.00pm - 02.00 pm	Lunch
02.00 pm - 03.30 pm	Session 6
03.30 pm - 03.45 pm	Tea Break
03.45 pm - 05.45 pm	Out Bound Training
05.45pm - 07.15 pm	Preparation for campfire
07.15 pm - 08.15 pm	Dinner
08.15pm - 10.15 pm	Camp Fire

Day 3	Crusader 1	Crusader 2	Crusader 3	Pathfinder 1	Pathfinder 2
09.40 - 11.15a.m.	Mrs.Sheethal	Dr.Kasthuri	Mr.Raman	Mr.Prabhu	Mr.Suthir
11.30 - 01.00 p.m.	Mr.Raman	Mr.Jayaraman	Mr.Suthir	Dr.Kasthuri	Mrs.Sheethal
02.00 - 03.30 p.m.	Mr.Suthir	Mr.Prabhu	Mrs.Sheethal	Mr.Jayaraman	Mr.Raman

Day -4 13-01-2024

DAY OF GRATITUDE

7.45 am - 9.00 am	Breakfast
9.15 am - 11.00 am	Common Session
11.00 am - 11.15 am	Tea Break
11.15 am - 01.00 pm	Common Session
01.00 pm - 02.00 pm	Lunch
2.00 pm - 03.15 pm	valedictory
03.45 pm	Departure form Yercaud

Note: Topics may be changed if the training team finds if anything can be added suitably in pre course evaluation and ongoing assessments.

PAAVAI EDUCATIONAL INSTITUTIONS

Report on Invigorate - 24 Strengthen to Soar

A Faculty Rejuvenation Programme

The Paavai Educational Institutions organized a four day Faculty Rejuvenation Programme, Invigorate-24 in Shevaroyis ,Yercaud from 10.01.2024 to 13.01.2024 which was an exceptionally exhilarating experience for the faculty members to make them familiar with the institutional practices and the instructional strategies of teaching and learning, because teachers are considered to be the pillars of Paavai. All faculty members from Paavai Educational Institutions attended the orientation programme. In the Inauguration, Dr.K.K.Ramasamy, Director Administration, welcomed the gathering. In the presidential address, Shri.CA.N.V.Natarajan, the Chairman ingrained the importance of teaching profession, role of teachers and their commitment towards students. He stressed on the immediate need for teachers to equip themselves with the necessary skills and adapt to the digitized era to emerge as successful teachers. Smt.Mangai Natarajan, the Correspondent, felicitated the gathering, highlighting the pertinent need for developing positive attitude among the teachers who will uphold the strong value based education. Mr.Maran, Treasurer, Murugesan Institute of Technology in his inaugural address highlighted the scope of education with all the faculty members striving towards common goals such as Vision and Mission, Paavai on the path of progress, committed faculty fraternity and engaging students using 4A's - Attitude, Aptitude, Acquisition of skills and Aspiration. The objectives and methodology of the orientation programme were read out by Mrs.Sheetaal Gandhi, Director, Ekaiva. Biz, multidimensional trainer, business coach and career consultant.

The themes for the four days were Day of Wishes, 'Day of Positivity, Day of Good Deeds and Day of Gratitude. The entire teaching fraternity was split up into three teams namely "Trendsetters, Path finders and Crusaders". The dynamic and vibrant resource speakers were Mrs.Sheetaal Gandhi on 'Mix Match' which was filled with activities, energizers and puzzles to be incorporated in real classroom teaching which will keep students energized and active. Mr.Suthir Menon, Motivational Speaker and Soft Skills Trainer in his session 'Team Building' highlighted that an effective team should follow forming, storming, norming and performing which will pave way for the leading teachers to create students with strong leadership traits. Mr.Raman, CEO, Base Institute

of Management, and International JCI Trainer in his session titled 'Paavai a place to grow, a Place to live', took the teachers on a trip down the memory lane of Paavai since its inception and imprinted a sense of deep-rooted belongingness to Paavai in all the faculty members. Dr.K.Kasthuri Bai, Erudite Professor in English spoke on the topic 'Teacher, the Value Viewer'. She reiterated that the development of a nation depends on the strength endured by the youth and teachers have the onus to bring out the immense potential in the students and get them ready to face the real world. Mr.Jayaraman Umashankar, Corporate Trainer and Consultant through his session, 'Teacher is a Leader' insisted that all faculty members should work tirelessly towards becoming effective leaders and life revolves around three factors namely people, process and product where in teachers are unassailable leaders who can influence students through constant motivation and consistent guidance. Mr.RS Prabhu a trainer, speaker and chief instructor on the topic 'Teacher a Friend' elucidated steps to build strong bonds with students through positive and approachable qualities.

On 11.01.2024 Dr. K R Maalathi, Partner & CEO of Auuro Educational Services, the versatile, dynamic, promising entrepreneur and a visionary educationist addressed the gathering on 'Futuristic Scope of Artificial Intelligence'. She cited examples from various topnotch Universities like Purdue and others regarding their transformational academic trajectory using AI. Each resource person explained, elaborated and had an interactive session with the faculty members. A dynamic interaction between the Chairman and the faculty members was also a part of the Rejuvenation programme to strengthen the relationships at Paavai.

Outbound Training Activities usually include a mix of adventure, outdoor and group development exercises and simulations that are designed to challenge the team to plan, strategize and work together and simulate circumstances and behaviors that are found at the workplace. The training provides numerous benefits, including increased confidence, enhanced teamwork and communication skills, improved problem-solving abilities, and a deeper understanding of personal strengths and weaknesses. Different kinds of activities such as Zumba Dance, Ice breaker, Glass Walk, Fire Walk, Trekking expedition, Energizers and Friday Market were conducted to invigorate the teachers and get them geared up to continue their teaching process energetically. On 12.01.2024 night, the much awaited Campfire showcased the multifarious talents of faculty

members and at 12am the campfire wrapped up with a special prayer by the Chairman. It was a meaningful ending for the day with all the teachers forming the human chain.

On 13.01.2024, the session commenced with Mrs. Sheetal Gandhi on the topic 'Success Strategies' started with energizers and pinpointed on the progressive realization of worthy goals to be accomplished by all teachers. The six mantras enumerated by her are 'Do more than you can learn(Update), Do more than you can see(Observe), Do more than you can Teach (Communicate), Do more than you can hear (Listen), Do more than you can think (Create) and Do more than you can feel (Empathize).

Mr. Sivakumar Palaniappan, Founder and Director, Thinkfluence Global, Global Leadership expert emphasized on six qualities for good teachers to become great teachers. A great teacher instills confidence in wards, should be well prepared to the classes, manages classrooms effectively, uses powerful teaching strategies, and sets very high expectations and self-reflection. The valedictory function was held on 13.01.2024 by 02.30 p.m. All the faculty members recorded their feedback and shared their experiences. Smt. Mangai Natarajan, the Correspondent felicitated the gathering by explaining the multiple roles of teachers in adhering to the ethics and the responsibilities of the profession. She highlighted the idea that the teachers should act as a facilitator, guide, controller and counselor to the students in bringing out the best in them and make them realize their potentials to successfully complete their studies. With these four days of power packed training, the orientation programme came to an end.











Paavai Engineering College (Autonomous)



Department of Management Studies
One Week FDP

INNOVATIVE ENTREPRENEURSHIP AND STARTUP ECOSYSTEM



Dr. A G V Narayanan

Director
Jansons School of Business
Coimbatore



Dr. G. Balamurugan

Professor - Management Studies
Anna University, Trichy



Dr. S C Vetrivel

Professor - Management Studies
Kongu Engineering College



Dr. V. Subburam

Prof/Mech-PEC



Dr. R. Mohana Priya

ASP/ECE-PEC

PATRON
Dr. M. Premkumar
Principal, PEC

DIRECTOR
Dr. T. Kalaiselvi
Director/MBA
STAFF COORDINATOR
Mr. R. Bharath

CONVENOR
Dr. K. S. Kavitha
ASP & HoD/MBA

AP/MBA

May 6-10 **2.30Pm** **Online**

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
11H-7, PACHAL Post, NAMAKKAL Dis.

PAAVAI ENGINEERING COLLEGE (Autonomous)

DEPARTMENT OF MANAGEMENT STUDIES

ACADEMIC YEAR 2023-24

**A report of five day faculty development programme on
“INNOVATIVE ENTREPRENEURSHIP AND STARTUP ECOSYSTEM”**

Day 1: 06.05.2024

Dr.V. Subburam, Professor, Department Of Mechanical Engineering, Paavai Engineering College was the resource speaker. Ms. Abirami of MBA, introduced the chief guest. In his lecture he explained about the benefits, importance of Entrepreneurship, necessary of business plan and its components.

Day 2: 07.05.2024

Dr.A.G.V. Narayanan, Director, Janson’s School of Business, Coimbatore was the resource speaker. Ms. Abirami of MBA, introduced the chief guest. In his lecture, he elucidate about the Start-up Ecosystem and Unicorns in India, New age Entrepreneurs and current innovations in business.

Day 3: 08.05.2024

Dr.G.Balamurugan, Professor, Department of Management Studies, Anna University, Trichy was the resource speaker. Ms. Priyadharshini of MBA, introduced the chief guest.. In his lecture he elaborated the various policies and schemes of Central and State Government for the development and welfare of Entrepreneurs.

Day 4: 09.05.2024

Dr.S.C.Vetrivel, Professor, Department of Management Studies, Kongu Engineering College was the resource speaker. Ms. Sadhana of MBA, introduced the chief guest. In his lecture he elaborated the Small Scale Industries, and its evolution, characteristics, various objectives, role in Indian Economy, State-wise ranking with real-time examples.

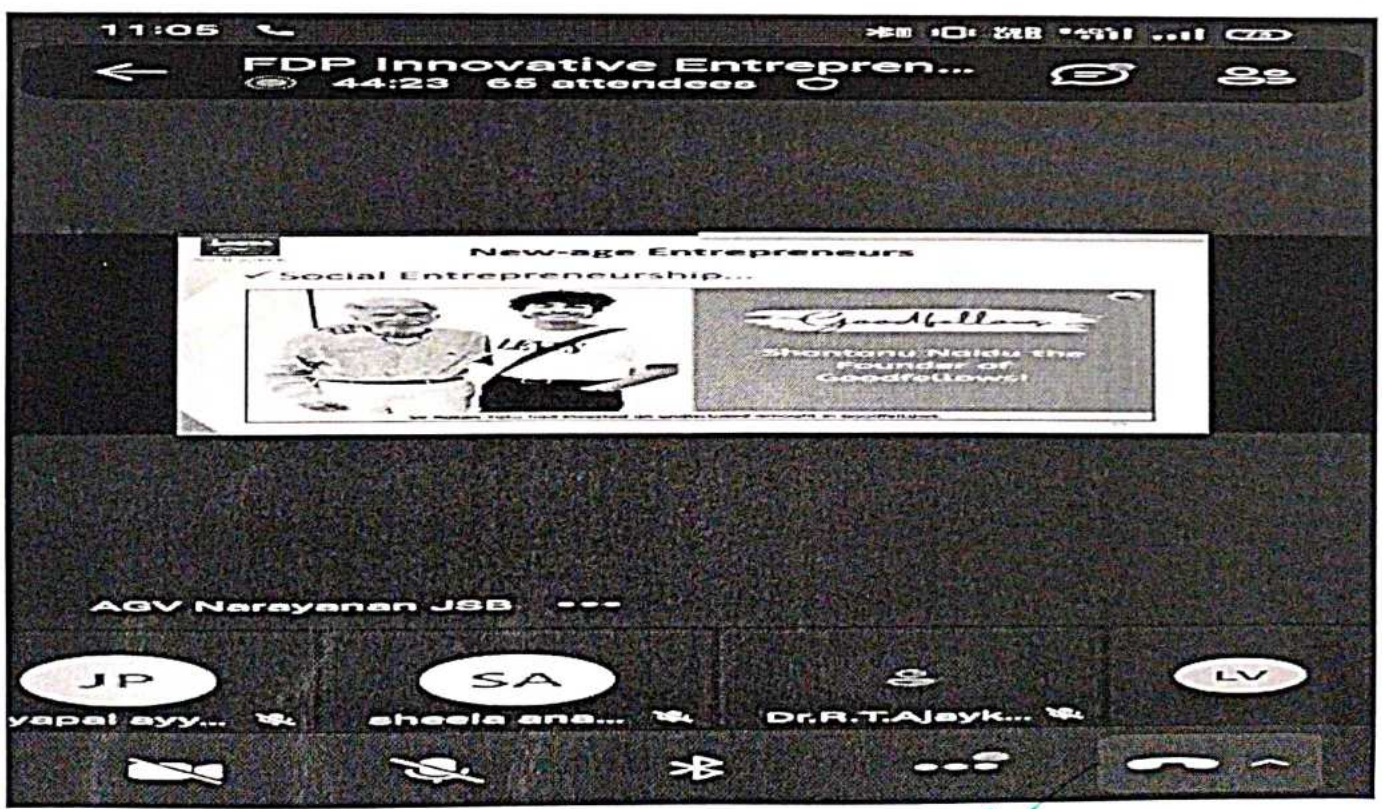
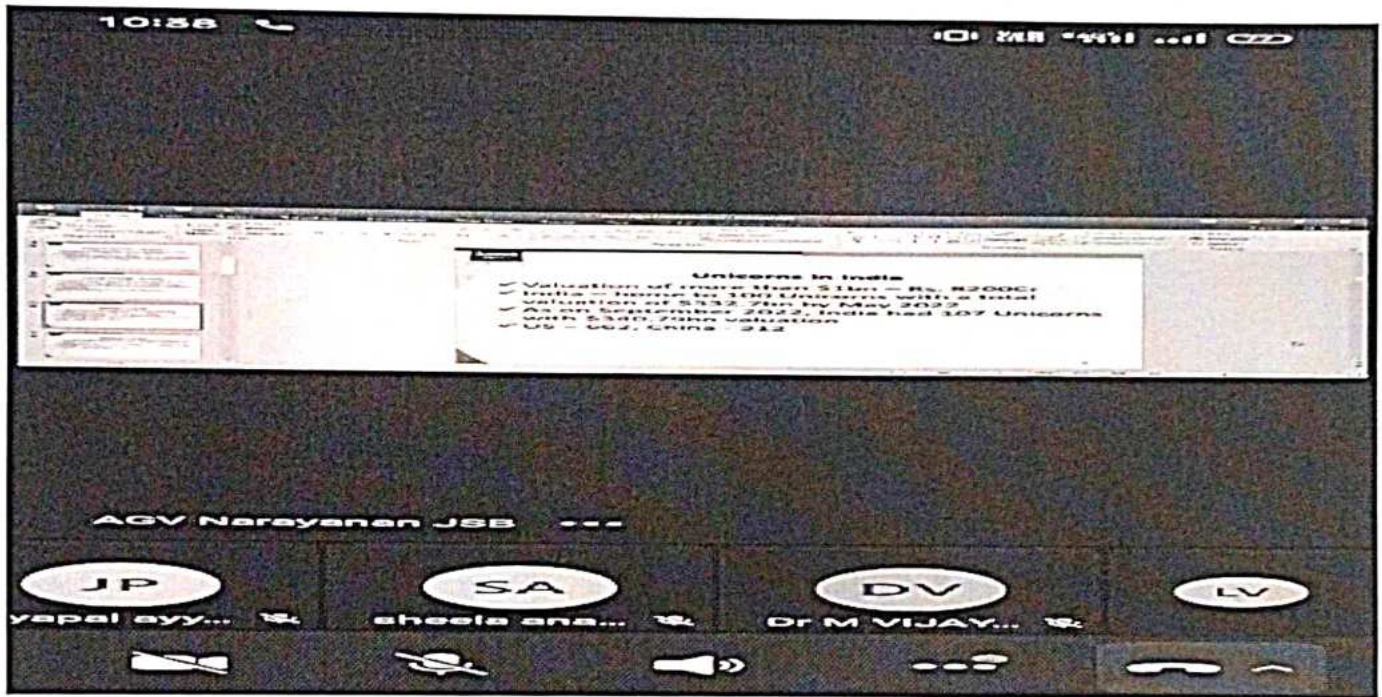
Day 5: 10.05.2024

Dr.R. Mohanapriya, Associate Professor, Department of ECE, Paavai Engineering College was the resource speaker. Ms.Devadharshini of MBA introduced the chief guest. In her

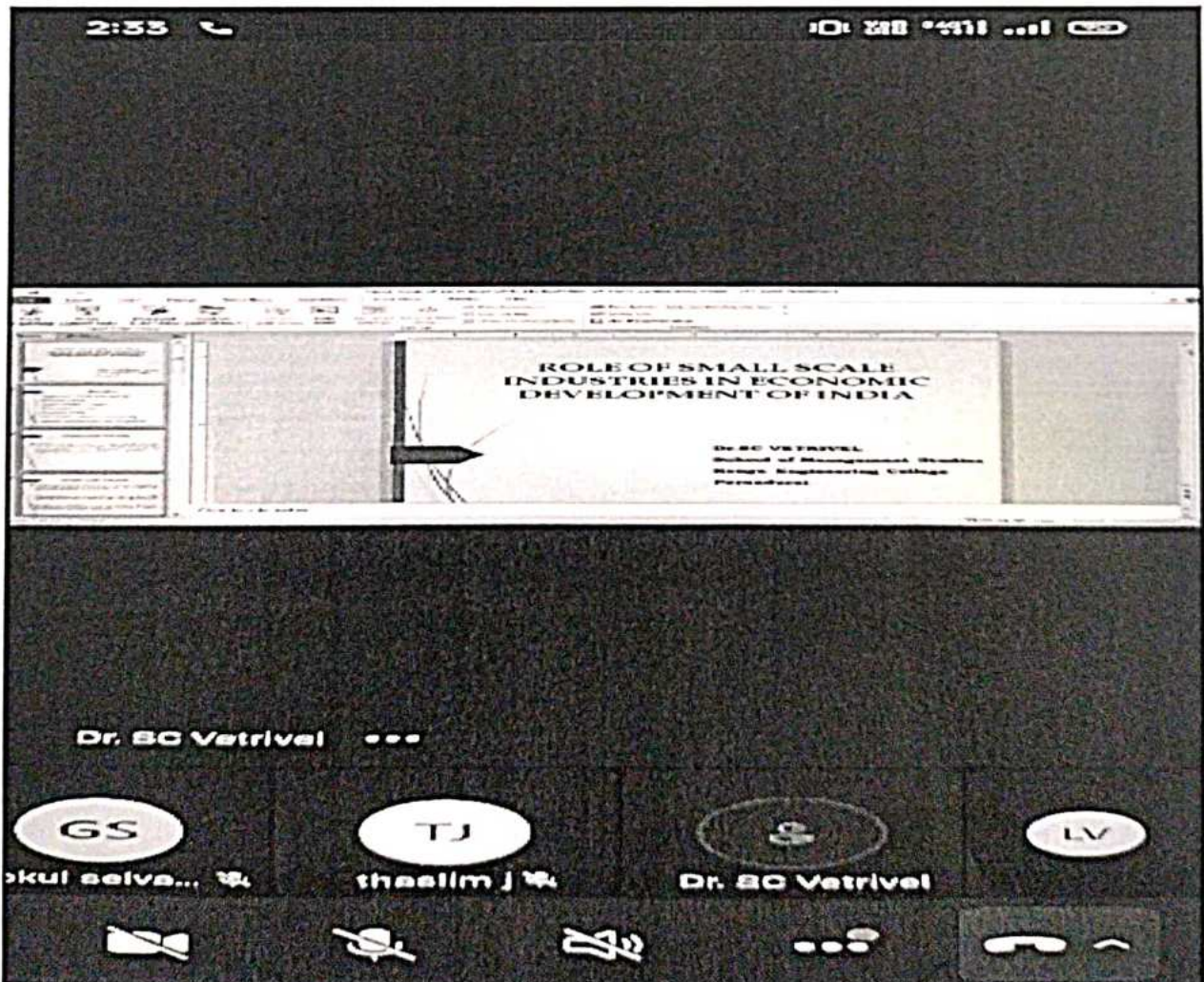
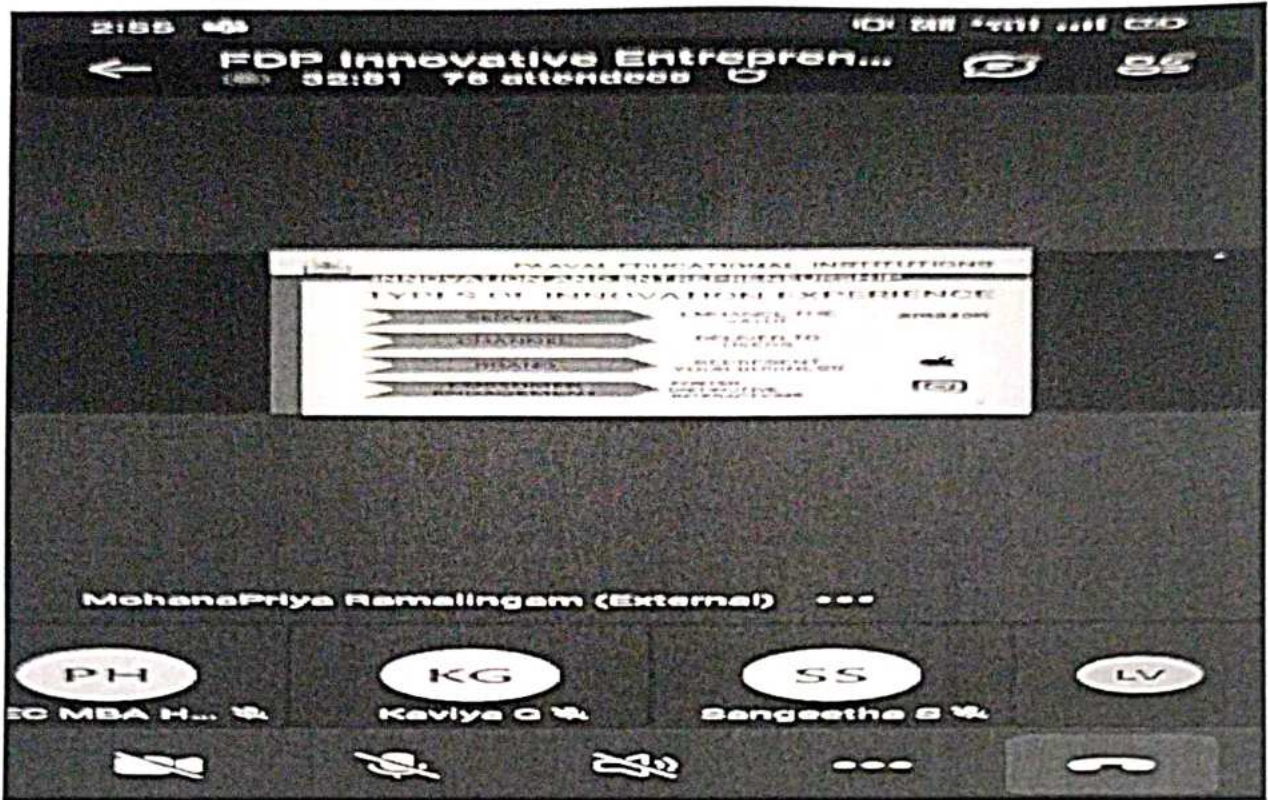
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1147, PACHAL Post, NAMAKKAL Dist.

lecture, she elucidated regarding innovation, various stages of innovation and its types with several real-time examples, components of Entrepreneurial mind-set, ministry of funding and its various schemes for entrepreneurship development followed in Paavai.

Finally, the vote of thanks was delivered by Ms. Jeevitha of MBA. Mr. R. Bharath, AP, MBA, Mr.S.Suryakumar, AP, MBA, Mr.V.M. Lingeswaran of MBA, Ms.V.S. Abirami of MBA, were the coordinators. Faculty members from various institutions were attended the FDP and the sessions were very insightful and informative for all.



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H.7, PACHAL Post, NAMAKKAL Dist.

PAAVAI ENGINEERING COLLEGE (Autonomous)
DEPARTMENT OF MANAGEMENT STUDIES
ACADEMIC YEAR 2023-24

A Report of five day faculty development programme on
“INNOVATIVE ENTREPRENEURSHIP AND STARTUP ECOSYSTEM”

Attendance Sheet

S. No	Name of the faculty	06.05.2024	07.05.2024	08.05.2024	09.05.2024	10.05.2024
1	Dr.T.Kalaiselvi	P	P	P	P	P
2	Dr.K.S.Kavitha	P	P	P	P	P
3	Dr.R.Thamariselvan	P	P	P	P	P
4	A.Sheela	P	P	P	P	P
5	M.Bharani Eswari	P	P	P	P	P
6	G.Aarthana	P	P	P	P	P
7	Dr.R.N.Padma	P	P	P	P	P


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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

Pachal, Namakkal-637 018.

INVITATION

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

Online Faculty Development Programme

on

Research Proposals- Drafting and Application Process

By



Dr.M.NACHIAPPAN

Research Associate

**International Centre for Genetic Engineering and Biotechnology
New Delhi, India**

Date: 11.12.2023 to 16.12.2023

Time: 7 PM to 8 PM

ALL ARE WELCOME

PAAVAI ENGINEERING COLLEGE
(Autonomous)
DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

Faculty Development Programme on
“ Research Proposals- Drafting and Application Process”



A Six days online Faculty Development Programme (FDP) on “Research Proposals- Drafting and Application Process” was conducted on 11.12.2023 to 16.12.2023 by the Department of Pharmaceutical Technology, Paavai Engineering College. The resource person was Dr. M. Nachiappan, Research Associate, International Centre for Genetic Engineering and Biotechnology, New Delhi. The FDP programme was beneficial to all the faculty members in making to draft research proposals in a proper way. The faculty members gained knowledge in various recent trends relevant to our field.

From this programme, the faculties can write more research proposals and submit it to the funding agencies to get more funds. He discussed about the opportunities available in various funding sectors for the faculties and students. This makes every staff member to mould the students to write research proposals. Overall the session was excellent and the faculty gained more knowledge in drafting research proposals.

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

ONLINE FDP

ON

“Research Proposals- Drafting and Application Process”

Attendance Sheet

S.No	NAME OF THE FACULTY	11.12.23	12.12.23	13.12.23	14.12.23	15.12.23	16.12.23
1.	Dr.R.Praveen Cumar	P	P	P	P	P	P
2.	Mr. M.G. Karthih	P	P	P	P	P	P
3.	Ms. S. Pragathi	P	P	P	P	P	P
4.	Dr.G.Raja	P	P	P	P	P	P
	Dr.R.Gayathri	P	P	P	P	P	P
6.	Dr.M.Marimuthu	P	P	P	P	P	P
7.	Dr. S. Kailash	P	P	P	P	P	P
8.	Mr.S. Gowtham Kumar	P	P	P	P	P	P
9.	Mr.M.D.S. Rajaruban	P	P	P	P	P	P
10.	Dr.D.Rajamanickam	P	P	P	P	P	P
11.	Prof.N.Vijayanand	P	P	P	P	P	P

12.	Dr.K.Gopi	P	P	P	P	P	P
13.	Dr.N.Geetha	P	P	P	P	P	P
14.	Mr.R.Balasubramania m	P	P	P	P	P	P
15.	Dr. G. Srinivasan	P	P	P	P	P	P
16.	Ms. S.Priya	P	P	P	P	P	P
17.	Dr. M. Marimuthu	P	P	P	P	P	P
18.	Dr. N. Dhanapal	P	P	P	P	P	P
19.	Ms. A. Maivizhi	P	P	P	P	P	P
20.	Dr.R.Sharmila	P	P	P	P	P	P
21.	Dr.R.Gayathri	P	P	P	P	P	P
22.	S.Sathiyasudha	P	P	P	P	P	P
23.	Dr. B. Kalpana	P	P	P	P	P	P
24.	Mr. A.Jeeva	P	P	P	P	P	P
25.	Mr. R.Thangavel	P	P	P	P	P	P
26.	Dr. Philip Robinson	P	P	P	P	P	P
27.	Ms.S. Krishnaveni	P	P	P	P	P	P
28.	Ms. V. Thabitha Zelin Rachael	P	P	P	P	P	P
29.	Mr. S. Arunagiri	P	P	P	P	P	P
30.	Dr. R. Nirmala	P	P	P	P	P	P


 HoD
Head of the Department
 Department of Pharmaceutical Technology,
Paavai Engineering College,
 NH-7, Pachal Post, Namakkal-637018.


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7:20

VoL 83.53
LTE KB/s 4G 64%



Live chat

Top messages 4.1K



-  nihal jasmi certificate thannillengil kollum 😊
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-  Inn0cent @virat Kohli are am also fro m banglor
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-  Vijay S moye
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INTERNATIONAL LEVEL STUDENT WORKSHOP 2024



Certificate Of Appreciation

Certificate ID: INSW24-BOV-HCA107

This certificate is presented to :

**PAAVAI ENGINEERING COLLEGE,
TAMIL NADU, NAMAKKAL**

In sincere recognition of your invaluable support and encouragement in hosting the **International Student Workshop on Data Science using Python.**

Organized from **Feb 19th to 23rd, 2024.**

In association with **Brainovision Solutions India Pvt. Ltd.**

& All India Council for Technical Education (AICTE).

Your unwavering commitment to promoting educational initiatives and fostering student participation has greatly contributed to the success of this esteemed event. Through your dedication, you have inspired **66,000+ students** to engage in enriching learning experiences and pursue opportunities in the field of data science.





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OUR SERVICES

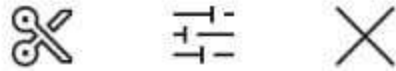
- INTERNSHIPS
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- TECHNOLOGY TRAININGS
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Top messages 4.3K


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- The Vashu Time hi sir i am pradeep in haryana
- Pious Mission - World Fact hii
- EVILSTAR GAMING neyyattinkara poly 🌞🚩
- MR CLIPTO kunu vaaaveeeee
- Sowmiya B B.sowmiya,BTech information technology, Paavai engineering College Namakkal
- Tech Fun & Technology NEERAJ NIPORA
- Sopan Munde hello
- Tejashwini T quiz link

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





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-  luffy roronoa zorroooo
-  Inn0cent @virat Kohli shivani ali k a
-  23CSE134 rohit Hindi me bol
-  Jagadishwar Kuppe anyone from av college
-  Rajan Rathor Echelon Institute of Technology

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Pachal,Namakkal-637018

INTERNATIONAL LEVEL WORKSHOP

On

“DATA SCIENCE USING PYTHON”

AICTE, Brain-O-Vision and the Department of Information Technology, Paavai Engineering College jointly organized One Week International Level Faculty Workshop on “**Data Science using Python**” from **19.02.2024 to 23.02.2024**. **Dr.Buddha Chandrasekhar, Chief Coordinating Officer, AICTE** presided over the function .In his 5days workshop, he stressed the importance of Basics of Python, Data Manipulation and Visualization, Pandas, Machine learning etc.

Faculty members and Students from various departments participated in the workshop and update their ideas about the **Python and Machine Learning**. The main outcome of this program is to empower our nation’s youth with knowledge, skills, and opportunities. By nurturing the next generation of leaders and thinkers, we can drive positive change and innovation in our society.

Faculty members and students actively participated in the program and made it a grand success. Nearly 300 participants attended the session and get the participant certificates.

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Information Technology

Attendance Details of Faculty Members attending online FDP “Data Science using Python” on 19.02.2024 to 23.02.2024			
For under graduate			
S.No	Name of the faculty member	Designation	Attendance
1	Dr.P.MUTHUSAMY	Professor	Present
2	Dr.G.MADASAMYRAJA	Associate Professor	Present
3	Dr.B.VENKATESAN	Associate Professor / Head	Present
4	M.PUSHPALATHA	Associate Professor	Present
5	M.BABYLATHA	Assistant Professor	Present
6	N.HEMALATHA	Assistant Professor	Present
7	S.SARAVANAKUMAR	Assistant Professor	Present
8	R.DEENADHAYALAN	Assistant Professor	Present
9	M.SARANYA	Assistant Professor	Present
10	V.SARAVANABHAVAN	Assistant Professor	Present
11	P.ANITHA	Assistant Professor	Present
12	B.DEEPA	Assistant Professor	Present
13	R. SANGEETHA	Assistant Professor	Present
14	S.SUBASHINI	Assistant Professor	Present
15	NR.VIKRAM	Assistant Professor	Present

16	K.KANIMOZHI	Assistant Professor	Present
17	K.SENTAMILSELVAN	Assistant Professor	Present
18	D SASIKALA	Assistant Professor	Present
19	K.DIVYA	Lab Assistant	Present
20	S. SANTHIYA	Lab Assistant	Present
21	R. KIRUTHIKA	Lab Assistant	Present
22	K.S. CHITRA	Lab Assistant	Present

PAAVA ENGINEERING COLLEGE
(Autonomous)

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

INVITATION

The Management, Director Administration, Principal,
Deans, COE, HOD's, & Staff members
Cordially invite you for the inauguration of

FDP

On

**"COMPUTER VISION AND IMAGE PROCESSING WITH CLOUD
RESOURCES 2024"**
20.05.2024 TO 24.05.2024

Date: 20th May 2024 to 24th May 2024

Time: 10.00 am.

Venue: Cute Hall

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS
FACULTY DEVELOPMENT PROGRAM



The Department of MCA conducted a five days **Faculty Development Program** in **“Computer Vision and Image Processing with Cloud Resources 2024”** at Cute Hall on 20-05-2024 – 24-05-2024 in order to developing the knowledge about the Image Processing. The objective of this Session was to equip staffs and students with a thorough understanding of the Computer Vision and Image Processing with Cloud Resources

The welcome address was given by C.Sneka, II Year MCA The presidential address was given by Dr.M.Premkumar, Principal, Paavai Engineering College. He insisted the significance of Cloud resource models for engineers, highlighting their role in augmenting technical proficiency and enhancing employability in a rapidly evolving technological landscape. The FDP concluded with a Q&A session, where participants asked questions about specific Image processing and Cloud resources.

**PAAVAI ENGINEERING COLLEGE
DEPARTMENT OF MCA**

FACULTY DEVELOPMENT PROGRAM

COMPUTER VISION AND IMAGE PROCESSING WITH CLOUD RESOURCES 2024

Date: 20.5.2024 to 24.5.2024

S.No	Name of the Participant	Dept	College Name	20.05.24	21.05.24	22.05.24	23.05.24	24.05.24
1	M. Maheswari	MCA	PEC	M.M.	M.M.	M.M.	M.M.	M.M.
2	R. Deepika	MCA	PEC	R.D.	R.D.	R.D.	R.D.	R.D.
3	S.SenthilVelan	MCA	PEC	S.S.	S.S.	S.S.	S.S.	S.S.
4	M.Geetha	MCA	PEC	M.G.	M.G.	M.G.	M.G.	M.G.
5	K.Keerthika	MCA	PCE	K.K.	K.K.	K.K.	K.K.	K.K.
6	V.Annapoorani	MCA	PEC	V.A.	V.A.	V.A.	V.A.	V.A.
7	S. Rathnavel	EEE	PEC	S.R.	S.R.	S.R.	S.R.	S.R.
8	R. NandhaKumar	EEE	PEC	R.N.	R.N.	R.N.	R.N.	R.N.
9	D. Kokilarani	MDE	PEC	D.K.	D.K.	D.K.	D.K.	D.K.
10	M. Devi	MDE	PEC	M.D.	M.D.	M.D.	M.D.	M.D.
11	P. Sangeetha	ECE	PEC	P.S.	P.S.	P.S.	P.S.	P.S.
12	S. Karthikeyan	ECE	PEC	S.K.	S.K.	S.K.	S.K.	S.K.
13	G. Dineshkumar	ECE	PEC	G.D.	G.D.	G.D.	G.D.	G.D.
14	V.T.Kiruthika	CSE	PEC	V.T.	V.T.	V.T.	V.T.	V.T.
15	V.Anitha	CSE	PEC	V.A.	V.A.	V.A.	V.A.	V.A.
16	R.Sasikala	CSE	PEC	R.S.	R.S.	R.S.	R.S.	R.S.
17	R.Ramya	CYS	PEC	R.R.	R.R.	R.R.	R.R.	R.R.
18	S.ChandraKala	CYS	PEC	S.C.	S.C.	S.C.	S.C.	S.C.
19	R.K.Poongodi	CYS	PEC	R.P.	R.P.	R.P.	R.P.	R.P.
20	K. Priya	CSE	PEC	K.P.	K.P.	K.P.	K.P.	K.P.
21	B. Priyanga	IT	PCE	B.P.	B.P.	B.P.	B.P.	B.P.
22	P. Sindhamani	IT	PCE	P.S.	P.S.	P.S.	P.S.	P.S.
23	R. DuraiRaj	IT	PCE	R.D.	R.D.	R.D.	R.D.	R.D.
24	S.Saranya	IT	PCE	S.S.	S.S.	S.S.	S.S.	S.S.


HOD/MCA


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