



509, Er.PERUMAL MANIMEKALAI POLYTECHNIC COLLEGE  
NBA Accredited : Chemical | CSE | ECE | EEE | Mech | T&D | E(Robotics) | ISO 9001 : 2015 Certified  
(Approved by AICTE, New Delhi and Government of Tamil Nadu)  
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## DEPARTMENT NEWS LETTER JANUARY 2025-MAY 2025(2024-2025)

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### DEPARTMENT OF MECHANICAL TOOL&DIE ENGINEERING

#### Vision of the Institution

PMC Tech –Polytechnic College shall emerge as a premier Institute for valued added technical Education coupled with Innovation, Incubation, Ethics and Professional values.

#### Mission of the Institution

- To foster the professional competence through excellence in teaching and learning.
- To nurture overall development of students by providing Quality Education & Training.
- To provide innovative environment to learn, innovate and create new ideas for the betterment of oneself and society

#### Vision of the Department

To develop eminent, innovative and professional Tool and Die Diploma holders by imparting value added education embedded with employable skills.

#### Mission of the Department

- To provide competency based quality Tool and Die Engineers by strong theoretical and Practical training.
- To provide breeding ground for innovation and leadership through skill development in Tool Design.
- To enhance continual career development and improve employability skills

#### Program Educational Objectives (PEOs)

- Have a successful career in the field of the Tool and Die Engineering Design, Manufacturing Maintenance and inspection
- Become a skilled technician in handling various conventional and Non conventional Machines by Adopting new technologies.

- Fulfill the demands of industries with good communication, positive attitude and team spirit

### National Level Technical Symposium :

**Date : 04.02.2025**

#### Topic :

- Rapid injection Moulding process
- Additive manufacturing
- Material Science and nanotechnology
- Lean Manufacturing Principles in Tool & Die Making

National-level technical symposiums are events where students from various colleges and universities come together to showcase their technical skills and knowledge

#### Highlights:

1. Technical Exposure: Students gained exposure to the latest technologies and trends in their field.
2. Networking Opportunities: Students interacted with peers and experts from other colleges, fostering networking opportunities.
3. Skill Development: Students developed their technical, communication, and teamwork skills.



## Value Added Course :

**Title : 3D Printing**

**Year / Sem : II / VI**

**Date : 23.02.2025 to 26.02.2025**

### Course Objectives:

1. Introduce 3D Printing Technology: Familiarize students with 3D printing basics, types, and applications.
2. Design for 3D Printing: Teach students to design models for 3D printing using software tools.
3. Hands-on Experience: Provide hands-on experience with 3D printing technology.
4. Project-Based Learning: Encourage students to work on projects that integrate 3D printing with their field of study.



## Institution of Engineers (IEI)

Our department IE(I) nmembership students participate in national conference for Smart Material in AI at Er Perumal Manimekalai College of Engineering

Smart materials are materials that can sense and respond to their environment in a predictable and controlled manner. When combined with Artificial Intelligence (AI), smart materials can enable the development of innovative applications and systems

The combination of smart materials and AI has the potential to enable the development of innovative applications and systems that can improve performance, safety, and user experience. However, there are also challenges that need to be addressed to fully realize the potential of smart materials in AI.



## Faculty Development Program :

Association With :ICT Academy

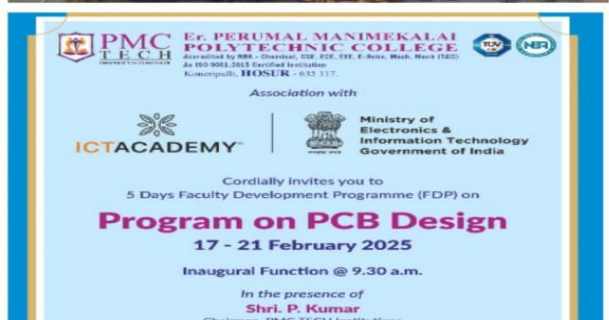
Title : Program on PCB Design

Date : 17.02.2025 to 21.02.2025

A Faculty Development Program (FDP) on PCB (Printed Circuit Board) Design would aim to enhance the skills and knowledge of faculty members in teaching and research related to PCB design. Here's an outline for such a program:

### Program Objectives:

1. PCB Design Fundamentals: Understand the basics of PCB design, including design rules, component placement, and routing.
2. Design Tools: Familiarize participants with popular PCB design software tools, such as Altium, Eagle, or KiCad.
3. Design for Manufacturability: Teach participants to design PCBs for manufacturability, including considerations for assembly, testing, and reliability.
4. Advanced Topics: Cover advanced topics, such as high-speed design, signal integrity, and.



## ISHRAE Inauguration :

ISHRAE stands for Indian Society of Heating, Refrigerating and Air Conditioning Engineers. It's a professional organization that aims to promote the science and technology of heating, ventilation, air conditioning, and refrigeration (HVAC&R) in India.

### Objectives:

1. Promote HVAC&R Industry: Advance the science and technology of HVAC&R in India.
2. Knowledge Sharing: Facilitate knowledge sharing among professionals, researchers, and students.
3. Professional Development: Provide opportunities for professional development and networking



**Placement :****Er Perumal Manimekalai Polytechnic College, Hosur  
Department of Mechanical Engineering (Tool & Die)  
Placement Details (2024-2025)**

SL.NO	REG.NO	NAME OF THE STUDENT	Sundaram auto Components Ltd	Manjusree techpack Pvt Ltd	Essae Gears Pvt Ltd	Fine autocomponents Pvt Ltd	Maiva Pharma Pvt Ltd	Genau Extrusion Pvt Ltd	Schefeller India Ltd	Hyundai Pvt Ltd	Renault Nissan Pvt Ltd	SEP India Pvt Ltd
1	23223051	ARUN KUMAR R			Y	Y					Y	
2	23223054	DILIP R	Y			Y						
3	23223055	DINESH G										Y
4	23223056	GANESH KUMAR S	Y			Y						
5	23223057	GNANAPRAKASH G			Y	Y				Y		
6	23223058	HEMA KUMAR V	Y			Y	Y					
7	23223060	KIRAN KUMAR V							Y			
8	23223061	KISHORE K	Y			Y					Y	
9	23223062	KISHORE R				Y	Y					
10	23223063	LEELADHARAN S	Y			Y						
11	23223064	MAHADEVAN S						Y				
12	23223065	MANIGANDAN R			Y	Y	Y					
13	23223066	MANOJKUMAR B			Y				Y			
14	23223067	MOHAN K	Y			Y	Y					
15	23223069	NARESH M									Y	
16	23223070	NAVEEN KUMAR M	Y			Y	Y					
17	23223072	NIRANJAN M	Y			Y	Y				Y	
18	23223073	NIRMAL KUMAR V			Y		Y			Y		
19	23223074	NITHISHKUMAR N		Y								
20	23223076	PRAKASH G	Y									
21	23223077	PRAVEEN KUMAR M	Y				Y					
22	23223079	PUGAZENTHI P	Y			Y						
23	23223081	RAJAMANICKAM R							Y			
24	23223082	SANJAY Y				Y				Y		
25	23223083	SHRAVAN S	Y			Y						
26	23223084	SIVARAJKUMAR K										Y
27	23223085	SRIDHAR A			Y							
28	23223086	SRIKANTH C				Y			Y			

29	23223087	SUJITH N	Y						Y			
30	23223089	SUWIN SALAMAN RAJU S	Higher Studies									
31	23223091	THILAK KUMAR B	Y			Y						
32	23223092	THULASINATHAN S	Higher Studies									
33	23296826	NARAYANAN V	Y			Y				Y		
34	23296827	RAGAVENDIRAN V						Y		Y		

S.No	Name of the Industry	No of Students Selected	CTC
1	Sundaram auto Components Ltd	15	2.10
2	Manjusree techpack Pvt Ltd	1	2.82
3	Essae Gears Pvt Ltd	7	2.19
4	Fine autocomponents Pvt Ltd	17	3.19
5	Maiva Pharma Pvt Ltd	8	2.40
6	Genau Extrusion Pvt Ltd	2	2.10
7	Schefeller India Ltd	5	1.92
8	Hyundai Pvt Ltd	5	2.70
9	Renault Nissan Pvt Ltd	4	2.40
10	SEP India Pvt Ltd	2	2.25

No of Placement Order	No of Students
Single Order	9
Two Order	13
Three order	9
Four Order	1

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Mr., R.Yeswanth/Mech(TD) II year Student,  
Mr., T.Yuvaraj /Mech(TD) II year Student,  
Mr., N.Nithishkumar /Mech(TD) III year Student

**THANK YOU**