



Er.PERUMAL MANIMEKALAI POLYTECHNIC COLLEGE
AN ISO 9001:2015 CERTIFIED INSTITUTION

HOSUR

website: www.pmctechpoly.org



DEPARTMENT OF MECHANICAL ENGINEERING (TOOL&DIE)

DEPARTMENT NEWS LETTER

JUNE 2024-DECEMBER 2024(2024-2025)

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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

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

VISION OF THE DEPARTMENT

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

PROGRAMME SPECIFIC OUTCOMES(PSOS)

- PSO1: Prepare Tool drawing and make Die Mould part by operating Conventional and Non conventional machines.
- PSO2: Design and fabricate jigs, fixtures, prestools and plasticmoulds for customerneeds.
- PSO3: Apply knowledge and skills with design and development of a projectwork in the field of Tool and Die making

PROGRAMME OUTCOMES(POS)

- PO1: Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
- PO2: Problem analysis: Identify and analyse well-defined engineering problems using codified standard methods.
- PO3: Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.
- PO4: Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
- PO5: Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.
- PO6: Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well- defined engineering activities.
- PO7: Life-long learning: Ability to analyse individual needs and engage in updating in the context of technological changes.

VALUE-ADDED COURSES ARE ESSENTIAL IN TODAY'S COMPETITIVE JOB MARKET

- Topic : Plastic Mould design by using Creo software
- Date : 16.12.2024 to 20.12.2024
- Resource Person : SVAIC Team
- Our third year students has participated in value added course for Plastic mould design by using creo software They learned how to design a mould using this software and how to manufacture a product from the designed mould.



INDUSTRIAL VISIT

Company : ALF Engineering Pvt Ltd, Hosur

Date : 01.08.2024 Year / Sem : II& III / III & V

Company Profile:

- Alf Engineering Pvt Ltd is a leading OE manufacturer of automotive Chassis, and

currently manufactures over 1400 frames/day from its plants across India.

- Alf Engineering Pvt Ltd is also the largest manufacturer engaged in the indigenous design and development of hydroformed components for the automotive industry, A Hydroforming facility is operational at Nasik, with a design centre to support customers in design & development.
- ALF also manufactures and supplies assemblies and parts for suspensions - both front and Rear. They include cradles, control arms & links.
- Growing recognition...In the recent years more companies have come to accept the competence and commitment of ALF to develop critical Hydroformed components /assemblies for chassis & suspension..



INTERNSHIP

**COMPANY : ASHOK LEYLAND DATE :
23.12.2024 TO 27.12.2024**

- Our students has go to implantraining for leadingindustries its help to In-
plantraining is a type of training where students or trainees are placed in a
real-world industrial setting to gain practical experience and skills. This type
of training is essential for students, especially those pursuing technical
courses.

Company Profile:

- Ashok Leyland is an Indian multinational automotive manufacturer, It is
owned by the Hinduja Group. It was founded in 1948 as Ashok Motors
which becameAshok Leyland in the year 1955 after collaboration with
British Leyland.Ashok Leyland is the secondlargest manufacturer of
commercial vehicles in India the third largest manufacturer of buses in the
world,and the tenth largest manufacturer of trucks.



Our department NSS, NCC & YRC
participated in a Drug awareness
Program

The International Day Against Drug Abuse and Illicit Trafficking is a significant day that aims to raise awareness about the dangers of drug abuse and illicit trafficking. It promotes action and cooperation among governments, civil society, and individuals to prevent drug abuse and combat illicit trafficking.

**INTERNATIONAL DAY DRUG AGAINST PROGRAM
DATE : 01.07.2024**

MOTIVATIONAL PROGRAM

Resource Person: Mr Raghunath

Relax Training, Chennai

Year : II

Date : 09.07.2024

The Second year students of our department participated in the training program and learned about the morals to follow in the life and the necessary ways to progress in life



Gramiya Kalai Nigalchi is a concept that aims to promote awareness and appreciation of rural arts and culture. It involves recognizing the value of traditional rural art forms, such as music, dance, theater, crafts, and promoting them as an integral part of our cultural heritage.

**GRAMIYA
KALAINIGALCHI
DATE : 23.07.2024**

TRAINING PROGRAM FOR ASHOK LEYLAND EMPLOYEES

DATE : 31.07.2024

- Our department faculty's provided training to new employees at Ashok Leyland Ltd Hosur
- Trained with how to measure linear and angular measurements and equipment handling



INDEPENDENCE DAY CELEBRATION

The Students of our department participated in the 78th independence day function held in our college and conduct mime show on 15.08.2024



FACULTY DEVELOPMENT PROGRAM

ATAL Faculty development program has conducted at

Er Perumal Manimekalai Polytechnic College, on 17.08.2024 to 22.08.2024 our department faculty

Mr P.Rajasekar is participate in this FDP program

Topic : Robotics and Process Automation



POCSO AWARENESS PROGRAM



- To create awareness among students about the POCSO Act and its provisions.
- To educate students about the importance of consent, safe touch, and unsafe touch.

TO EMPOWER STUDENTS WITH THE KNOWLEDGE AND SKILLS NECESSARY TO PROTECT THEMSELVES FROM CHILD SEXUAL ABUSE



AGAPORI

The Second and Third year students from our department participated in the Agapori program on 12.09.2024



YOGA PROGRAM

Year : I & II (Lateral Entry)

Date : 03.09.2024 to 10.09.2023

Yoga is a practice that connects the body, breath, and mind. It uses physical postures, breathing exercises, and meditation to improve overall health. Yoga was developed as a spiritual practice thousands of years ago

Our First Year and Second Year(Lateral Entry) students from our department participated in the yoga program and received yoga training

CYBER CRIME AWARENESS PROGRAM

The objective of this program is to educate and raise awareness among women and girls about cybercrimes and crimes against women, and to empower them with the knowledge and skills necessary to protect themselves online and offline. on 29.11.2024

RESULT-TOPPERS 2024-2025-ODD SEM

		
Selvan S. LEEADHARAN First Rank 654/700	Selvan K. KISHORE Second Rank 654/700	Selvan R. DILIP Third Rank 644/700

SECOND YEAR

		
Selvan S. ATUL First Rank	Selvan N. YESHWANTH First Rank	Selvan T. KATHIRVEL First Rank

FIRST YEAR

		
Selvan V. JAGADESH First Rank	Selvan P. RANJITH KUMAR Second Rank	Selvan A. GOWTHAM Third Rank

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Mr., N. Nithishkumar /Mech(TD) III year Student