



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



website: www.pmctechpoly.org

DEPARTMENT NEWS LETTER OCTOBER 2022-APRIL 2023- (2022-23)

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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.

Guest Lecturer Programme:

We have conducted the guest lecturer program for second and third year students on 16.09.2023

Resource Person:

Mr V. Sekar

General Manager

Guindy Machine Tools Ltd, Hosur



Industrial Visit:

We have organised the following company industrial visit for second and third year students

S.No	Name of the Company	Year	No of students	Date of Visit
1	Raghul Industries , Kothakondapalli, Hosur	II & III	30+28	14.10.2022
2	Surface Treatment Systems, Sipcot-II, Hosur	II & III	30+28	13.10.2022

Raghul Industries, Hosur



Surface Treatment System, Hosur:



Symposium:

We have conducted national level technical symposium on 10.02.2023

Chief Guest:

Inaugural:

Dr P.S. Shenbagaraja
Principal
Government Polytechnic College, Palacode

Valedictory:

Mr C. Ravi kumar
Associate Vice President, Mylan Laboratories Ltd, Hosur



Our Department Toppers- October 2022 Board Exam, Students has received award from Symposium Program



Other College Participant List:

We have Conducted national level technical symposium on 10.02.2023 has been participate in Various Colleges Totally 10 colleges and 37 Students participate from various region

S.NO	BATCH	NAME OF THE STUDENTS	DEPT	COLLEGE NAME
1	1	KAMALESH B	MECH	MUTHAYAMMAL POLYTECHNIC INSTITUTION-RASIPURAM
2		NAVEEN K		
3	2	KISHORKUMAR K N	DEPT OF AI & ML	THIAGARAJAR POLYTECHNIC COLLEGE -SALEM
4		DRAVID S		
5	3	SANTHOSH KUMAR B	MECH	BHARATH NIKETAN POLYTECHNIC COLLEGE -THENI
6		SIVABALA M		
7	4	PREM L	MECH	PARAMVEER POLYTECHNIC COLLEGE -PAPPARAPATTI
8	5	HARIHARAN K	TOOL & DIE	NTTF-BANGALOURE
9		LOGANATHAN S		
10		KISHORE ANTO P		
11		LENIN A		
12	6	GNANAPRAKASH A	MECH	BHARATH NIKETAN POLYTECHNIC COLLEGE -THENI
13		NAGARAJ K		
14	7	KARUPPUSAMY N	MECH	BHARATH NIKETAN POLYTECHNIC COLLEGE -THENI
15	8	GOKUL C	MECH	GOVERNMENT POLYTECHNIC COLLEGE - KELAMANGALAM
16		TEJUSH C		
17	9	MANIKANDAN R	MECH	GOVERNMENT POLYTECHNIC COLLEGE - UTHANGARAI
18		SIVA KUMAR K		
19	10	KARTHICK A P	MECH	KET POLYTECHNIC -KRISHNAGIRI
20		ELUMALAI T		
21	11	ANAS N	MECH	GOVERNMENT POLYTECHNIC COLLEGE - KELAMANGALAM
22		PRASANTH S		
23		NAVEEN KUMAR S		
24	12	RAKESH D R	TOOL & DIE	NTTF-BANGALOURE
25		SYEDLI S D		
26		PAVITHIRANE R		
27		SRUJAN K		
28	13	NAVEEN RAJ M	TOOL & DIE	NTTF-BANGALOURE
29		UJJUAL RAJEEV		
30		ABDUL RAJA S		
31		DINAKAR K		
32	14	SUYRA M R	MECH	SAKTHI POLYTECHNIC COLLEGE- ERODE
33		YAZAR ARAFATH R		
34	15	VINOTH KUMAR K	MECH	KET POLYTECHNIC -KRISHNAGIRI
35		THIRUMALAI S K		
36	16	SATHIYADEVAN R	MECH	KONGUNADU POLYTECHNIC COLLEGE- THICHY
37		BHARKAVI T		

Other College Symposium Event:

Our Department students participate in National Level Technical Symposium at various colleges

S.No	Name of the Colleges	Achievement
1	Excel Polytechnic College, Namakkal	Second Prize
2	Kongu Polytechnic College, Erode	Third Prize
3	Government Polytechnic College, Dharmapuri	First Prize
4	Government Polytechnic College, Kelamangalam	Second Prize



Students Seminar :

Internal seminar has been conducted as per DOTE Guide lines students should present individual topic for final year students and group seminar presentation for second year students

The following topic Present:

1. Advanced Manufacturing Technology
2. Injection Moulding Process
3. Heat Treatment process and Modern welding Technology
4. Press Working Operation
5. Measuring instruments
6. Forgable Materials
7. Injection Mould Maintenance and Repair systems
8. Compression and Transfer Moulding Process
9. Blanking tool design return through type
10. Selection of material from jigs and fixtures
11. Industry 4.0
12. IOT Process for Manufacturing Industries
13. Tool Maintenance Process
14. Alternation of injection mould



Project:

Mechanical engineering (Tool&Die) Final Year Students Present Project in Academic Year 2022-2023
Our students have done in following project that project benefit to the industry

SL No	Register No.	Student Name	Batch No	TITLE
1	21221191	CHENNEVEERAIYA R	I	Fabrication of Mechanical Hand Press
2	21221195	JAIPAL N		
3	21221200	NITHISH A		
4	21221206	SURESH S		
5	21298433	MOHAN C		
6	21298437	VASANTHA KUMAR S		
7	21221190	CHANDRU P	II	Design and Fabrication of Forming Tool Flower Design
8	21221192	DHILIP M		
9	21221199	MUNIRAJ K		
10	21221207	SURYA G		
11	21298435	SIVA KUMAR M		
12	21298436	SUNDER V	III	Design and Fabrication of Plastic Mould for Chess Coining Die
13	21221193	GANESAN C		
14	21221198	MOHAMMED SALEEM B		
15	21221202	PRAVEENKUMAR G		
16	21221209	VENUGOPAL P		
17	21221210	VITHIYATHARAN S		
18	21298432	HARI PRASANTH N	IV	Design and Fabrication of Plastic Mould for Making Key chain
19	19241770	MOHAN RAJ S		
20	21221189	BALAJI S		
21	21221197	MANIKANDAN M		
22	21221201	PAVAN KUMAR V		
23	21221203	SAKTHI P		
24	21221204	SAKTHISURESH A	V	Fabrication of Universal Drilling Machine
25	20296418	HARISH M		
26	21221208	SWAMINATHAN P		
27	21298434	PALLAVAN G		
28	21298439	VIMAL KUMAR V		

Project Review



Best Faculty Award :

Our Department Mr R.Ramachandran HOD(Admin)Received Best faculty Award for Institution of Engineers, Hosur Chapter, Academic Year - 2022-2023,



Best Student Award :

Our Third year students Selvan S.Vithyatharan Received Best Student Award for Institution of Engineers, Hosur Chapter, Academic Year - 2022-2023, (IEI) is the largest multi-disciplinary professional body of engineers,



Value Added Course:

We have conduct value added course for Mechanical Engineering (Tool&Die) final year students in the academic year 2022-2023. Date: (13.02.2023 TO 18.02.2023)

Year / Sem	Name of the Course	No of Students	Batch	No of Hours	Resource Person
III / VI	Press Tools & Mould Design by using Creo 2.0	28	I	24	Mr P.Rajasekar Lecturer / Mech TD CNC Lab In Charge



Best Out going Students Award :

Our Third year students Selvan S.Vithyatharan Received Best Outgoing students award , Academic Year (2022-2023) given from our Honourable Chairman Sir and Secretary Madam



Naan Muthalvan Award :

Naan Mudhalvan – Anna University Fusion 360 Mega design challenge competition held at MIT Campus Chennai on 24.03.2023 & 25.03.2023 Our Final Year students Participated in this mega event

1. Selvan S. Vithyatharan
2. Selvan S.Vasanthakumar
3. Selvan B.Mohammed Saleem



Sports Day 2023

In the sports competition held in the year 2023, the students of our department participated in various competitions and won the Over all championship



Blood Camp:

Er Perumal Manimekalai Polytechnic College (Youth Red Cross) and Government Medical College Hospital Blood Bank to Conduct Mega Blood Donation Camp on 01.10.2023 our department students also participated and donated blood



Yoga Program:

Our students Participate in Jeeva Yoga Program 02.01.2023 to 05.01.2023 it helps Yoga is a practice that connects the body, breath, and mind. It uses physical postures, breathing exercises, and meditation to improve overall health.



Entrepreneurship Program:

Department of Mechanical Engineering (Tool&Die) Students Participate One day Entrepreneurship Development program on 16.02.2023



First Aided Program :

YRC conduct First Aid Program for one week Our department YRC students Participate in this program



Road Safety Program

YRC conduct Road Safety Program on 18.02.2023 Our department YRC students Participate in this program



Placement 2022-2023

The following students from our department have been selected for employment in various industries
Totally 26 out of 30 Students Selected

S.No	Name of the Company	
1		Essae gears Pvt Ltd, Hosur
2		Sundaram Clayton Pvt Ltd, Hosur
3		Hyundai Motors Ltd, Chennai
4		Mastercraft Pvt Ltd, Bangalore
5		Rajsriya Automotive Inds Pvt Ltd, hosur
6		MSK Venturi Tools, Hosur
7		JBM Neel Metal Pvt Ltd, Hosur

S.No	Name of the Students	Dept.	Name of the Company	Salary /Month
1	BALAJI S	Mech (T&D)	ESSAE GEARS & TRANS	16,000
2	MOHAMMED SALEEM B	Mech (T&D)	ESSAE GEARS & TRANS	
3	PAVAN KUMAR V	Mech (T&D)	ESSAE GEARS & TRANS	
4	SURESH S	Mech (T&D)	ESSAE GEARS & TRANS	
5	VITHIYATHARAN S	Mech (T&D)	ESSAE GEARS & TRANS	
6	MOHAN C	Mech (T&D)	ESSAE GEARS & TRANS	
7	PALLAVAN G	Mech (T&D)	ESSAE GEARS & TRANS	
8	SUNDER V	Mech (T&D)	ESSAE GEARS & TRANS	
9	VASANTHA KUMAR S	Mech (T&D)	ESSAE GEARS & TRANS	
10	NITHISH A	Mech (T&D)	ESSAE GEARS & TRANS	
11	SAKTHI SURESH A	MECH(T&D)	SUNDARAM CLAYTON	16,000
12	MANIKANDAN M	MECH(T&D)	SUNDARAM CLAYTON	

13	VELPANDI V	MECH(T&D)	SUNDARAM CLAYTON	
14	HARISH M	MECH(T&D)	SUNDARAM CLAYTON	
15	MUNIRAJ K	MECH(T&D)	SUNDARAM CLAYTON	
16	VIMALKUMAR V	MECH(T&D)	SUNDARAM CLAYTON	
17	SWAMINATHAN P	MECH(T&D)	SUNDARAM CLAYTON	
18	HARISH M	MECH(T&D)	Hyundai Motors	17,500
19	MOHAMMED SALEEM B	MECH(T&D)	Hyundai Motors	
20	SWAMINATHAN P	MECH(T&D)	Hyundai Motors	
21	MOHAN C	MECH(T&D)	Hyundai Motors	
22	PALLAVAN G	MECH(T&D)	Hyundai Motors	
23	VASANTHA KUMAR S	MECH(T&D)	Hyundai Motors	
24	VELPANDI V	MECH(T&D)	Hyundai Motors	
25	MANIKANDAN M	MECH(T&D)	Hyundai Motors	
26	BALAJI S	MECH(T&D)	Mastercraft	19,000
27	PAVANKUMAR V	MECH(T&D)	Mastercraft	
28	SAKTHI P	MECH(T&D)	Mastercraft	
29	SAKTHI SURESH A	MECH(T&D)	Mastercraft	
30	VITHIYATHARAN S	MECH(T&D)	Mastercraft	
31	MOHAN C	MECH(T&D)	Mastercraft	
32	CHENNEVEERAIYA R	MECH(T&D)	Mastercraft	
33	DHILIP M	MECH(T&D)	Rajsriya Automotive Inds Pvt Ltd	13,500
34	HARIPRASANTH N	MECH(T&D)	Rajsriya Automotive Inds Pvt Ltd	
35	PRAVEEN KUMAR G	MECH(T&D)	Rajsriya Automotive Inds Pvt Ltd	
36	CHANDRU P	MECH(T&D)	Rajsriya Automotive Inds Pvt Ltd	
37	JAIPAL N	MECH(T&D)	Rajsriya Automotive Inds Pvt Ltd	
38	GANESAN C	MECH(T&D)	Rajsriya Automotive Inds Pvt Ltd	
39	VENUGOPAL P	MECH(T&D)	Rajsriya Automotive Inds Pvt Ltd	20,000
40	HARISH M	MECH(T&D)	MSK Venturi Tools	
41	VASANTHAKUMAR S	MECH(T&D)	MSK Venturi Tools	
42	GANESAN C	MECH(T&D)	JBM Neel metal,Hosur	13,500
43	PRAVEEN KUMAR G	MECH(T&D)	JBM Neel metal,Hosur	
44	CHANDRU P	MECH(T&D)	JBM Neel metal,Hosur	
45	HARI PRASANTH N	MECH(T&D)	JBM Neel metal,Hosur	
46	VENUGOPAL P	MECH(T&D)	JBM Neel metal,Hosur	

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