

PMC - CSE ANNUAL NEWS LETTER

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HOD

Prof.D.Thivyaprasad, M.Tech.,

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PMC TECH-AN OVERVIEW

PMC TECH group of Institutions consisting of Engineering College Polytechnic and ITI were established in the year 1996 by Er.Perumal B.E, M.I.E, FIV, Our founder and Chairman and sponsored by **Er.Perumal Manimekalai Telugu Minority Educational and Charitable Trust**. It is situated closer to the Industrial Hub, Hosur, Tamilnadu.

Er.Perumal Manimekalai College of Engineering, established in the academic year 2002-2003 is Approved by All India Council for Technical Education (AICTE) and affiliated to Anna University. PMC TECH creates unique opportunities, provides individualized educational challenges, promotes high order thinking skills and maintains a strong tradition of academic excellence for students. The college is equipped with world class infrastructure and highly qualified, experienced faculty members. An active Placement Training and Welfare Cell is functioning with full enthusiasm with the aim of placing the students in top-notch companies. PMC TECH, a premier institution for higher education seeks to impart value added technical education and always aiming at excellence along with inculcation of ethical, moral, & professional values, with national welfare in heart.

ABOUT THE DEPARTMENT

The Department was incepted in the year 2013. The Department offers a 4-Year full time B.E. program in Mechatronics Engineering; and it has a team of well-qualified faculty members with rich industrial and academic experience. NPTEL teaching Methodology is also used in the department to overcome the regular chalk and talk lectures.

The Department gives a broad multi-disciplinary education enabling the students to succeed in wide variety of careers including the design, manufacture, maintenance and management of Robotics, CNC Machines.

VISION

- To produce the most competent Scientists, Engineers, Entrepreneurs, Managers and Researchers through Quality Education in the field of Mechatronics engineering.

MISSION

To offer quality education that gives them knowledge for professional practice and a career of life long learning, prepare the students for their role as engineers in society with an awareness of environmental and ethical values.

From the Chairman's Desk



“Make of us the hero warriors we inspire to become. May we fight successfully the great battle of the future that has to be won against the past that seeks to endure, so that the new things may manifest and we are ready to receive them”

Welcome to PMC TECH, where academics and activities never end and the students are molded as future technocrats and business leaders. The Institute works on the vision to become one of the leading centers of teaching, research and extensions in the field of Engineering and Technology through total commitment towards quality education and training. We instill our students with the strength of character, self-confidence technical competence and leadership in management.

We propagate knowledge to the students with the help of dedicated faculty, state-of-the-art library and well-equipped labs along with audio-visual theatre. The institute has an enviable track record of academic excellence, which is coupled with hands-on industrial training, and innumerable industry-institute interaction, which makes each PMC TECH student ready to be absorbed in the company.

Er. P. Perumal,

Chairman.

PMC TECH - Group of Institutions

From the Secretary's Desk



“The Institute not only extends good campus and state of the art computing facilities to the Students but also aims at giving those competencies that will make them leaders and trendsetters in their respective field, in this age of competition”

PMC TECH is committed to develop young minds for creative leadership in business and a proactive and useful role in social transformation. Today the need for being proactive and constructive is more acute than ever before due to the sweeping change influencing every aspect of our life. Therefore, there is need for action based on holistic training of youth to take on varied challenges of life.

An opportunity to study at PMC TECH empowers a student to acquire knowledge and develop skills that will enable him to lead a highly productive, rewarding and holistic life. As a part of PMC TECH's commitment towards quality technical education and excellence, we embarked on promoting Faculty Development Program, Seminars, Workshops and Conferences, which will keep the faculty and students abreast of their field.

Shri. P. Kumar,

Secretary & Correspondent,

PMC TECH - Group of Institutions

From the Trustee's Desk



“The goal of education is the advancement of knowledge and the dissemination of truth”

The rapid rate of technological advancement and the information revolution have opened new series of challenges as well as opportunities. We aim to prepare the students to be successful in their workplace. It aims to prepare the students with technical knowledge and capabilities, flexibility and an understanding of the societal context of corporate world.

We give the students support and encouragement they need to reach their full potential. We strive to give professional education a new perspective and achieve perfection in all spheres. We provide a pleasant & intellectually stimulating environment. The main reason for our tremendous performance is the faculty, which makes PMC TECH stand out from the rest of engineering colleges and Institutes. I wish to assure all concerned that no efforts will be spared to bring PMC TECH as one of the top Technical education Institutions.

Smt. P. Mallar,

Trustee

PMC TECH - Group of Institutions

From the Trustee's Desk



“Education is the ability to listen to almost anything without losing your temper or self-confidence”

PMC TECH is committed to creating an ambience for nurturing innovation, creativity and excellence in our students. We aim to prepare the young engineers and managers to confidently and competently face the challenges of intensifying competition by imparting high quality technical and managerial education coupled with appropriate training and wide exposure to the state-of-art practices. Our educational programmes lay emphasis on all round personality development and also in inculcating human values and professional ethics which help our students become more humane and socially alive to lead a meaningful life.

This newsletter will help the students and faculty members to make them aware of different activities of their department as well as the other departments and will develop a better culture and academic environment. Further this will boost the morale of students and faculty to participate in future activities.

Smt. S. Sasirekha,

Trustee

PMC TECH - Group of Institutions

From the Principal's Desk



“I believe that education is not just about teaching curriculum, it is also about the development of human intellect, capability to think independently and speak articulately. Through numerous student activities the college imparts all these life skills in students. Education in PMC TECH also emphasizes on development of personality, interpersonal skills and instilling the right values”

With a devoted and highly qualified set of faculty members, well provided infrastructure and efficient administrative staff, we always impart best education by giving in depth knowledge in the subject. We know that mere education does not make you a complete man / woman. With our rich library, we want you to develop reading habits. We always endeavor that when student go out. They should be recognized as highly knowledgeable, amiable, active and greatly trust worthy individual.

Thanks to the educationally committed management, we have the reputation that we provide all the facilities and amenities. May be because of all these, I am thankful to all my colleagues who are striving hard to establish PMC TECH as one of the leading Engineering Institutions.

Dr. S. Chitra,
Principal

From the HOD's Desk



“ Our nuclear scientists and engineers have done a splendid job, and naturally, the entire nation has risen to salute their professional excellence, discipline, and patriotism. They have had the benefit of having been led in the past by great men like Homi Bhabha and Vikram Sarabhai”

I feel ecstatic to introduce you to Department of Mechatronics Engineering, which is the foundation of engineers and Department of Mechatronics Engineering combines Mechanical Engineering and Electronics Engineering and strives for increasing the knowledge, enhancing the critical thinking, ability to change information into knowledge and power of analyzing the things technically of each and every individual of ever changing society through students.

We always intend to impart knowledge through a closed knit family of highly competent faculty. Our Laboratories have been very well established not only to cover complete syllabus but to motivate students to learn beyond the syllabus which definitely develops complete knowledge of the subject (both the practical and theoretical depth of knowledge) and develop skill sets of students to become promising engineers in future.

I would like to conclude with the words of Thomas Friedman who has rightly opined “World is flat opportunities are immense. Its just a question of identifying opportunities and making the best of them”. I wish a very best of luck to the students.

Mr. D. Thivya Prasad,
HOD / MCO

TECH EXPO 2018



- Tech Expo was conducted in our college on 22 & 23rd February 2018
- Nearly 6000 school Students visited our student projects.



INSAMAZE-2K17



- One Day National Level technical symposium conducted on 7th Sep'2017 with our Second, Third & Final year students .
- Our department Second year, Third Year, Final Year students of MCO department organized the symposium in a grand manner .
- Mr. Senthil Subramaniam, Sr.Engineer, Robert Bosch, Bangalore was a Chief Guest for the symposium .
- 30 participants from various colleges attended this symposium & prizes distributed to the student.

WORKSHOP

S.NO	TITLE OF THE EVENT	DATE & VENUE	CHIEF GUEST/SPEAKERS	NO. OF PARTICIPANTS
1	PCB DESIGN & FABRICATION	24/07/2017 to 25/07/2017	E.RAJASEKAR Project Manager Rana Power Solutions.	28 Students (II Year)
2	Industrial Automation using PLC-TVS	17/08/2017 to 18/08/2017	Mr. POOVARASAN.C Sr.Technical Lead TVS Training & services	25 Students (VI Year)
3	Basics of PLC & Automation	08/02/2018 to 09/02/2018	Mr. SUBASILA Project engineer ZenMaq automation pvt.ltd	28 Students (II Year)
4	Real World Sensor Interfacing and Signaling System	14/02/2018 to 15/02/2018	Mr. NAVEEN KUMAR Embedded R&D Er Mercury Power System,Selam	36 students (III rd Year)

PCB DESIGN AND FABRICATION



- Two Days workshop on PCB DESIGN & FABRICATION was conducted on 24th & 25th JULY 2017 under IEEE students Chapter for our II year students of MCO department.
- Chief Guest : E.Rajasekar, Project Manager RANA Power solutions, Hosur

INDUSTRIAL AUTOMATION USING PLC



- Two Days workshop on Industrial Automation Using PLC by TVS, Chennai conducted on 17/08/2017 TO 18/08/2017 August 2017 for our VI year students of MCO department.
- Chief Guest : Mr. Poovarasan .C, Technical Lead , TVS Training & Services.

BASICS OF PLC & AUTOMATION



- Two Days workshop on Basics of PLC & Automation conducted on 08/02/2018 to 09/02/2018 February 2018 for our II year MCO students under SAE students chapter .
- Chief Guest : Mr. Subash .A, Project Engineer , ZenMaq Automation Pvt Ltd , Chennai preside over the function .



- Two Day workshop on Real World Sensor Interfacing & Signaling System conducted on 14/02/2018 TO 15/02/2018 February 2018 with III year students of MCO department.
- Chief Guest : Mr. Navin Kumar, B , Embedded R&D Engineer, Mercury Power System, Salem.

INDUSTRIAL VISIT

S.NO	DEPARTMENT & YEAR	ORGANISATION VISITED WITH ADDRESS	DATE	NO.OF STUDENTS
1	MCO –IV Year	IIMT Machine Tools Ltd , Kerala	08.09.17	25
2	MCO-II YEAR	IIMT MACHINE TOOLS LTD	16/8/2017	28
3	MCO-II&III YEAR	SHARDLOW PVT LTD	19/8/2017	61
4	MCO-II&III YEAR	IMTEX-2018	29/01/2018	55

HMT Industrial Tour at Kerala



- Year: Final year VII/sem Batch: 2014-2018 Date: 08/09/2017

SHARDLOW



Year: Second Year III / Sem

Batch: 2016-2020

Date: 19/08/2017

HMT at Bangalore



Year: Second Year III / Sem

Batch: 2016-2020

Date: 16/08/2017

IMTEX 2018



Year: second & third year / IV & VI SEM

Batch: 2016-2020 & 2015-2019

Date: 29/01/2018

GUEST LECTURE

S.No	Title of The Event Along With Sponsoring Authority	Date & Venue	Chief Guest/Speakers	No. of Participants
1	Industrial Drives & Automation	19.08.2017	Mr. C. Poovarasam , Technical Lead TVS & Training Services,	61
2	Solving Mathematics in Vedic Version	01.09.2017	Dr.P.K.Srivastha Professor, R.V.Institute of Management, Bangalore	

INDUSTRIAL DRIVES & AUTOMATION



- Guest Lecturer on Industrial Drives & Automation on 19th -August- 2017 of MCO department 2nd & 3rd year students.
- Chief Guest: Mr. C.Poovarasam, Technical Lead TVS & Service

SOLVING MATHEMATICS IN VEDIC VERSION



- Guest Lecturer on Solving Mathematics in vedic version on 01 -September- 2017 of MCO department 2nd & 3rd year students.
- Chief Guest: Dr. P. K. Vastha, Professor, R.V. Institute of Management, Bangalore

STUDENT PROGRAM

S.No	Title of The Event	Date & Venue	No. of Participants
1	Independence day	15.08.2017	32
2	Sports day	24.01.2018, 25.01.2018	46
3	Student visits TVS Training & Service	05.06.2017	5
4	Employability skills enhancement program organized by Anna University Chennai held at Sri Eshwar College of Engineering	03.01.2018	2

INDEPENDENCE DAY



- Independence day conducted on 15th AUGUST 2017.
- Our Students Participated in many events which was organized by PMC Tech.

SPORTS DAY



- Sports day conducted on 24th & 25th JANUARY 2018.
- Our Students Participated in many events which was organized PMC Tech.

STUDENT S TRAINING AT TVS TRAINING & SERVICES- CHENNAI



**PARTICIPATION OF STUDENTS IN CONFERENCE, SYMPOSIUM, TECHNICAL EXHIBITIONS,
SPORTS, OTHER EXTRA CURRICULAR ACTIVITIES -2017-2018**

SYMPOSIUM

S.No	Title of The Event Along With Sponsoring Authority	Date & Venue	Chief Guest/Speakers	No. of Participants
1	SYMPOSIUM-2K18	07/09/2017	Mr.Senthil subramaniam, Senior Technical Manager, Robert Bosh, Banglore.	120 Students

TECH EXPO-2K18

S.No	Title of The Event Along With Sponsoring Authority	Date & Venue	Chief Guest/Speakers	No. of Participants
1	TECH EXPO -2K18	22/02/18 TO 23/02/18	Dr.Venkateshwaria Karodi	12 batches Participants

PARTICIPATION OF STUDENTS IN PROJECT CONTEST

S.No	Name of the Student	Date	Name of the Project	Presentation/ Participation Project Contest	Name of the College/ Organization	Details in Prize/ Presentation/ Participation
1	C.Andrew Jerin Harlon	13.10.17	Motorized Screw Jack	District Level Project Summit 2017	Govt. of Tamilnadu	Third
2	M.Gunasekar	13.10.17	Motorized Screw Jack	District Level Project Summit 2017	Govt. of Tamilnadu	Third
3	k.Srinath	13.10.17	Motorized Screw Jack	District Level Project Summit 2017	Govt. of Tamilnadu	Third
4	I.Mohamed InzamamHaq	13.10.17	Motorized Screw Jack	District Level Project Summit 2017	Govt. of Tamilnadu	Third
5	C.Tamilarasan	13.10.17	Inbuilt Projector in CPU	District Level Project Summit 2017	Govt. of Tamilnadu	Second

6	J.Gokulnath	13.10.17	Inbuilt Projector in CPU	District Level Project Summit 2017	Govt .of Tamilnadu	Second
7	R.Gokulnath	22.02.18	Stair Climbing Robot	TechExpo-2018	PMCTech	First
8	R.JayaPrakash	22.02.18	Stair Climbing Robot	TechExpo-2018	PMCTech	First
9	L.Pradeep	22.02.18	Stair Climbing Robot	TechExpo-2018	PMCTech	First
10	A.R.Samwesley	22.02.18	Stair Climbing Robot	TechExpo-2018	PMCTech	First
11	T.Yalarisri	22.02.18	Stair Climbing Robot	TechExpo-2018	PMCTech	First
12	B.Sameer Aamed	22.02.18	Multipurpose Agriculture Robot	TechExpo-2018	PMCTech	Second
13	N.Kalhiravan	22.02.18	Multipurpose Agriculture Robot	TechExpo-2018	PMCTech	Second
14	S.Kirankumar	22.02.18	Multipurpose Agriculture Robot	TechExpo-2018	PMCTech	Second
15	M.ArjunKumar	22.02.18	Infrared Based Robotic Car	TechExpo-2018	PMCTech	Third
16	A.Baburaj	22.02.18	Infrared Based Robotic Car	TechExpo-2018	PMCTech	Third
17	V.NaveenKumar	22.02.18	Infrared Based Robotic Car	TechExpo-2018	PMCTech	Third
18	R.Mohan	22.02.18	Infrared Based Robotic Car	TechExpo-2018	PMCTech	Third
19	N.Veerahadran	22.02.18	Infrared Based Robotic Car	TechExpo-2018	PMCTech	Third

A VIEW OF PROJECT CONTEST

District Level Project Summit 2017



District Level Project Summit 2017-Prize Winners



Tech Expo-2018 Project Contest



Tech Expo-2018 Project Contest



PARTICIPATION OF STUDENTS IN CONFERENCE / WORKSHOP/SYMPOSIUM

S.No	Name of the Student	Date	Presentation/Participation on Title in NC/INC/Symposium/Workshop	Name of the College/Organization	Details in Prize/Presentation/Participation
1	N.Kaviyan (IV Year)	17.03.17	International Conference	Paava: College of Engineering	Participation
2	I.Mohamed InzamanHaq (IV Year)	16.03.17	National Level workshop on Advances in Data Acquisition Systems	Sri RamaKrishna College of Engineering	Participation
3	N.gowtham (IV Year)	16.03.17	National Level workshop on Advances in Data Acquisition Systems	Sri RamaKrishna College of Engineering	Participation
4	R.Jaffer Sherif (IV Year)	16.03.17	National Level workshop on Advances in Data Acquisition Systems	Sri RamaKrishna College of Engineering	Participation
5	C.Lekesh (IV Year)	16.03.17	National Level workshop on Advances in Data Acquisition Systems	Sri RamaKrishna College of Engineering	Participation
6	B.Jameer Hammed (III Year)	16.03.17	National Level workshop on Advances in Data Acquisition Systems	Sri RamaKrishna College of Engineering	Participation
7	A.Ramesh (II year)	25.08.2017	Smart Control Robot .	Sengundhur Engineering College, Erode.	Participation
8	R.Vijay (II year)	25.08.2017	Smart Control Robot .	Sengundhur Engineering College, Erode.	Participation
9	A.Babu raj (II year)	25.08.2017	Smart Control Robot .	Sengundhur Engineering College, Erode.	Participation
10	S.Kiran Kumar (III year)	22.9.2017	Five G	Bannari Amman College of Engineering, Sathiyamangalam	Presentation
11	V.Prem kumar	22.9.2017	Floor Cleaning Robot.	Bannari Amman College of Engineering, Sathiyamangalam	Presentation

FACULTY DEVELOPMENT PROGRAM ATTENDED DETAILS

S.No	Name of the Faculty	Date	Title on FDP	Venue of the program attended
1	Mr.D.Thivya Prasad	10.07.17	Power System Engineering	IIT Karaghpur , PMC Tech
2	Mr.G.Dinesh	20.08.2017	ICTACT Bridge 2K17	Hotel Lemeridian, Bangalore
3	Mr.A.Jagannathan	10.07.17	Power System Engineering	IIT Karaghpur , PMC Tech
4	Mr.H.MaheshpremKumar	10.07.17	Power System Engineering	IIT Karaghpur , PMC Tech

PARTICIPATION OF STAFF IN TECHNICAL EXHIBITIONS

S.NO	NAME OF THE STUDENT	EVENT	COLLEGE IN WHICH PARTICIPATED	DATE
1	Mr.G.Dinesh	IMTEX 2018	Bangalore	29.1.2018
2	Mr.H.Mahesh Prem Kumar	IMTEX 2018	Bangalore	29.1.2018

PLACEMENT PROGRAMME



FINAL YEAR STUDENTS PLACED DETAILS

TECH MAHINDRA



GOWTHAM .N



JAFFAR SHARIFF.R



NARENDRAN.N

SUTHERLAND



JAFFAR SHARIFF.R

VERTEX TECHNOLOGIES



AJITH PANDIT



ANDREW JERIN HARLON.C



GOWTHAM .N



SYED KABEER AHAMED.N



GUNASEKAR.M



KAVIYAN.N



SUBASH RAO.B



MUTHUKUMAR.S

AXIS GLOBAL AUTOMATION



JAFFAR SHARIFF.R



GUNASEKAR.M



ANDREW JERIN HARLON.C



SATHEESH KUMAR.M

SRIMUKHA GROUPS



SATHEESH KUMAR.M



KAVIYAN.N



VENKATESILK



HITHESH.J.M

LAB FACILITIES

- ◆ Electrical Machines and Drives Laboratory
- ◆ Fluid Mechanics and Machinery Laboratory
- ◆ Computer Aided Machine Drawing
- ◆ Manufacturing Laboratory
- ◆ Applied Hydraulics and Pneumatics Laboratory
- ◆ Micro Controller and PLC Laboratory
- ◆ Microprocessor Laboratory



Electrical Machines and Drives Laboratory



Fluid Mechanics and Machinery Laboratory



Computer Aided Machine Drawing



Manufacturing Laboratory



Microprocessor Laboratory



Micro Controller and PLC Laboratory



Applied Hydraulics and Pneumatics Laboratory



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