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## ER.PERUMAL MANIMEKALAI COLLEGE OF ENGINEERING

ACCREDITED BY NAAC WITH 'A' GRADE & NBA(B.E.CSE | ECE | EEE | MECH&B.TECH-IT)

APPROVED BY AICTE, NEW DELHI | AFFILIATED TO ANNA UNIVERSITY, CHENNAI | ISO 9001:2015 CERTIFIED

(AN AUTONOMOUS INSTITUTION)

HOSUR TO KRISHNAGIRI HIGHWAYS, NEAR KONERIPALLI (PO), HOSUR, NALLAGANAKOTHAPALLI, TAMIL NADU 635117

[e.Mail:pmctech.engineering@gmail.com](mailto:e.Mail:pmctech.engineering@gmail.com)

Phone:043441 - 257226, 257242



# NEWS LETTER

**2025-2026**

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

HOSUR TO KRISHNAGIRI HIGHWAYS, NEAR  
KONERIPALLI (PO), HOSUR,  
NALLAGANAKOTHAPALLI, TAMIL NADU 635117

[www.pmctech.org](http://www.pmctech.org)  
[e.Mail:pmctech.engineering@gmail.com](mailto:e.Mail:pmctech.engineering@gmail.com)

**PMC -TECH -ECE**  
**ANNUAL NEWS LETTER**

**2025-26**

**Chief Patron:**

**Shri. P. Kumar -Chairman**

**Patrons:**

**Smt. P. Mallar- Secretary**

**Smt. S. Sasirekha- Trustee**

**Co-Patron**

**Dr.A.Senthil kumar-Principal**

**HOD**

**Dr.Elavarasi, M.E.,Ph.D**

**HOD/Department of ECE**

**Editorial Board:**

***Faculty:***

**Mrs.A.Winni De Leo, M.E.,(Ph.D)**

**AP/ Department of ECE**

**Student Members:**

**1.Mr.V.Jayasurya, III-ECE**

**2.Mr.T.Lokesh Kumar, III -ECE**

**3.Mr.S.Loganathan, III-ECE**

**4.Mr.P.Nithin kumar, III-ECE**

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## From the Founder'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”*

*Er. P. Perumal,  
PMC*

*TECH - Group of Institutions*



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.

## From the Chairman'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 competition”*

*Shri. P. Kumar, Chairman*



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 a 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.

## **From the Trustee's Desk**

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



***Smt. P. Mallar,  
Trustee***

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 the 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.

## **From the Trustee's Desk**



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

***Smt. S. Sasirekha,  
Trustee***

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.

## 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, inter-personal skills and instilling the right values”*

***Dr.A.Senthil Kumar***

***Principal***

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.

## From the HOD's Desk

*“Education is the most powerful weapon you can use to change the world”*



***Dr.R.Elavarasi***  
***HoD/ECE***

Electronics and Communication Engineering is the branch that deals with designing and testing circuits which use the electromagnetic property of electronics components such as resistors, capacitors, inductors and transistors to achieve a particular functionality. The theoretical, together with the practical content of the course provides a thorough knowledge of the core concepts relating to transmission of signals along the globe. Our aim is to develop young technocrats, ability to solve design-oriented problems in electronic circuits, communication systems and signal processing. Electronics and Communication engineers have good employment opportunity in Smart Phones, Microwave, Satellite communication, Telecommunication, Embedded systems, VLSI Design and IT domain.

## **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, Tamil Nadu. 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. PMCTECH, 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.

## **VISION AND MISSION OF THE DEPARTMENT**

### **VISION**

To provide excellence technical knowledge, skills and attitudes for graduates in Electronics and Communication Engineering with interdisciplinary and innovative approach to address global and industrial needs.

### **MISSION**

M1: To provide quality infrastructure, resources and education in Electronics and Communication Engineering with innovative methods of teaching and learning with a practical orientation for a successful career.

M2: To prepare Electronics and Communication Engineering graduates to meet the global challenges by implementing an emerging ethical principle and pursuing modern technologies.

M3: To inculcate leadership qualities, skills and lifelong learning among students to solve societal and industrial needs.

## LABORATORY FACILITIES

To meet the curriculum requirements, the following laboratory facilities are available in the department. In addition to the above mentioned laboratory facilities, additional research labs were also made part of the department facilities to initiate research interest in students.

<b>S.No.</b>	<b>NAME OF THE LABORATORY</b>
1.	Electronics and Circuit Devices laboratory
2.	Digital System Design Laboratory
3.	Communication systems Laboratory
4.	Network Security Laboratory
5.	Digital Signal Processing Laboratory
6.	VLSI Laboratory
7.	Linear Integrated Circuits Laboratory
8.	Microprocessor & Microcontroller Laboratory
9.	Optical & Microwave Engineering Laboratory
10.	AICTE- IDEA Laboratory

**INITIATIVES RELATED TO INDUSTRY INTERACTION**

S.No	PROGRAMME TOPIC	RESOURCE PERSON	PARTICIPANTS	DATE
1	Guest Lecture on “Working and Application of CAN Protocol”	<b>Dr. Sandeep Kumar K,</b> Education specialist (Embedded System domain), Tata Technologies Pvt Ltd, Bangalore.	126 students from II year ECE	25.10.2025
2	Guest Lecture on “ASIC and FPGA Design”	<b>Dr. S.L, Gangadharaiah,</b> Principal Scientist, Angstromers Engineers India Pvt Ltd, Bangalore.	126 students from II year ECE	22.10.2025

**GUEST LECTURE/ SEMINAR**

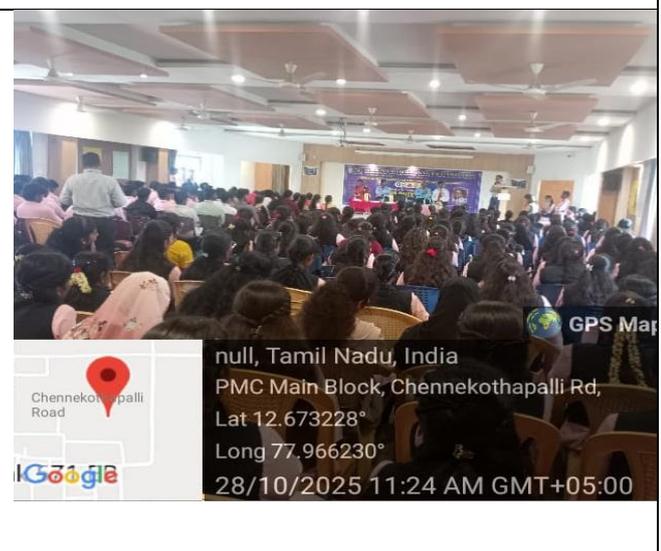
S.No	EVENT TITLE	RESOURCE PERSON	DATE	NO.OF PARTICIPANTS
1	Alumni Seminar on Latest Trends in AI Technology	Mr. Dinesh Kumar, Senior Associate Engineer, Genpact, Bangalore	01/11/2025	55 students from III year ECE
2	Alumni Seminar on “Placement Preparation”	Ms. Sangeetha, Operations Executive, Flipkart, Bangalore.	8/8/2025	120 students from III year ECE
3	Technical Seminar on “Industrial Applications of Control Systems”	Dr.Dilip, B.E, M.E, Ph.D, Post-Doc (Malaysia), Design Engineer, ISTE Local Chapter, Bangalore.	06/10/2025	138 from IV year ECE

# CO-CURRICULAR PHOTOS:



## Technical Symposium:

Technical Symposium brings forth technical creativity and provides a common platform for the exchange of technical expertise to share and disseminate innovative and pioneering views about emerging trends and developments. The National Level Technical Symposium “VELONIX 2K25”, organized by the Department of Electronics & Communication Engineering in association with IETE, ISTE, IEEE, and NBA, serves as a platform where many research and technical papers are presented. VELONIX 2K25” was organised on 28/10/2025, which served as an excellent discussion forum for many young, technical and innovative minds. Many students from various engineering colleges in Tamil Nadu and Karnataka participated in the conference and presented their ideas.



## INDUSTRIAL VISITS

Company Visited	Date	Students	No.of Participants
CENTRE OF EXCELLENCE at URRAOSATELLITECENTRE, Bengaluru.	10.10.2025	II ECE	120
Bangalore International Exhibition Centre (BIEC), Bengaluru		IV ECE	120



**STUDENTS PARTICIPATION IN CO-CURRICULAR EVENTS:**

<b>S.NO</b>	<b>Student Name</b>	<b>Year</b>	<b>Topic</b>	<b>Organized by</b>	<b>Date</b>
1	Vignesh	IV	Paper presentation	PSV COLLEGE	30/10/2025
2	TharaniTharan.R	IV	Paper presentation	Jayalakshmi Institute of Technology	
3	Praveen.R	IV	Paper presentation	PSV COLLEGE	30/10/2025
4	Praveen.R	IV	Paper presentation	Jayalakshmi Institute of Technology	
5	Saravana Kumar.I	IV	Paper presentation	PSV COLLEGE	30/10/2025
6	Saravana Kumar.I	IV	Paper presentation	Jayalakshmi Institute of Technology	
7	Vinisha.V	IV	Paper presentation	PSV COLLEGE	30/10/2025
8	Monisha R	IV	Paper presentation	PSV COLLEGE	30/10/2025
9	Manju.R	IV	Paper presentation	PSV COLLEGE	30/10/2025
10	Jansi.V	IV	Paper presentation	PSV COLLEGE	30/10/2025
11	Sudharsan.S	II	Circuit Debugging	Sri sairam college of engineering	

12	Sachin	II	Circuit Debugging	Sri sairam college of engineering	
13	Priyadharshini. S	II	Circuit Debugging	Sri sairam college of engineering	
14	Suvanesh Kumar	II	Circuit Debugging	Sri sairam college of engineering	
15	Thirumalesh	II	Circuit Debugging	Sri sairam college of engineering	
16	Pushpadevi	III	Paper presentation	Government college of engineering	30.10.25
17	Nithish Kumar A.T	IV	Project Expo	RP Sarathy Institute of Technology	31.10.25
18	Nithish Kumar A.T	IV	Paper presentation	RP Sarathy Institute of Technology	31.10.25
19	Sanjai R	IV	Gen sight	Govt. college of engineering	30/10/25

#### STUDENT EXTRA-CURRICULAR ACTIVITIES:

S.No	Student Name	Year	Event Name	Place	Date
1	Nandha kumar .P	IV	Swimming (Butterfly Stroke)	PMC TECH	28/8/25
2	Nandha kumar .P	IV	Swimming (Free Style)	PMC TECH	28/8/25
3	Nithish Kumar A.T	IV	Basket ball	PMC TECH	28/8/25
4	Akash.R	IV	Basket ball	PMC TECH	28/8/25
5	Cheran.N	IV	Table tennis	PMC TECH	28/8/25
6	Rajeshwari	III	Ballbadminton	PMC TECH	28/8/25
7					

**FACULTY DEVELOPMENT PROGRAM**

<b>S. No.</b>	<b>Name of the Faculty</b>	<b>Title of the Event</b>	<b>Organization</b>	<b>Duration</b>
1	Dr.R.Elavarasi	Outcome based Education	NITTR	5 days
2	Dr.R.Elavarasi	Next Gen AI powered Edge Computing Arcitectures for Embedded IoT	RP Sarathy Institute of technology	5 days
3	Mrs.K.Harini	Next Gen AI powered Edge Computing Arcitectures for Embedded IoT	RP Sarathy Institute of technology	5 days
4	Mrs.S.Vaidehi	AI& ML based Reconfigurable design for next generation wireless communication	ATAL	6 SDays
5	Mrs.S.Vaidehi	Outcome based Education	NITTR	5 days
6	Mrs.Srividhya	Outcome based Education	NITTR	5 days
7	Mrs.Srividhya	Next Gen AI powered Edge Computing Arcitectures for Embedded IoT	RP Sarathy Institute of technology	5 days
8	Mrs.Srividhya	AI&ML	Varuvan Vadivelan Institute of technology	1 day
9	Mrs.Juliet Mercy	Outcome based Education	NITTR	5 days
10	Mrs.Juliet Mercy	Digital circuits	NPTEL	4 weeks
11	Mrs.A. Winni De Leo	Outcome based Education	NITTR	5 days
12	Mrs.A. Winni De Leo	AI& ML based Reconfigurable design for next generation wireless communication	ATAL	6 SDays
13	Mrs.A. Winni De Leo	Next-Generation Healthcare: Integrating IoT and	ATAL	6 SDays

		AI for Predictive Diagnostics and Monitoring		
14	Mr.Kumaran	Outcome based Education	NITTR	5 days
15	Mr.Kumaran	Wireless and Cellular communication	NPTEL	4 Weeks
16	Mrs.R.Swathy	Outcome based Education	NITTR	5 days
17	Mrs.R.Swathy	AI&ML	Varuvan Vadivelan Institute of technology	1 day
18	Mr.Thanigachalam	AI&ML	Varuvan Vadivelan Institute of technology	1 day
19	Mr.Thanigachalam	Outcome based Education	NITTR	5 days
20	Mrs.JB.Yuvadharshini	Outcome based Education	NITTR	5 days
21	Mrs.JB.Yuvadharshini	Next Gen AI powered Edge Computing Arcitectures for Embedded IoT	RP Sarathy Institute of technology	5 days
22	Mrs.JB.Yuvadharshini	AI&ML	Varuvan Vadivelan Institute of technology	1 day
23	Mrs.J.Roshini	Outcome based Education	NITTR	5 days
24	Mr.G.Umamaheshwaran	Next Gen AI powered Edge Computing Arcitectures for Embedded IoT	RP Sarathy Institute of technology	5 days

**PROFESSIONAL BODIES:**



IETE stands for the Institution of Electronics and Telecommunication Engineers. It is a professional society in India that focuses on the field of electronics and telecommunications engineering.

### INDUSTRY LECTURE

S.No	PROGRAMME TOPIC	RESOURCE PERSON	PARTICIPANTS	DATE
1	Industry Lecture on "Generative AI"	Mr.B.D.Tanush, Technical Head, Spherenex, Bangalore.	III year ECE (33)	23-10-2025,25-10-2025&27-10-2025

