

Electrical and Electronics Engineering

DEPARTMENT OF

NEWSLETTER

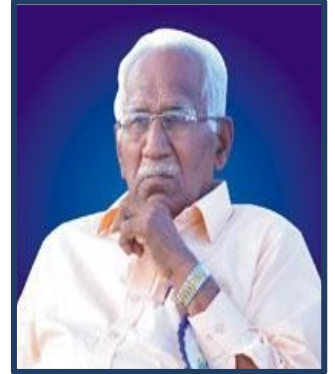
December 2025 Issue



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Er. P. Perumal.,
Founder, PMCTECH - Group of Institutions



MESSAGE

This narrative encapsulates the guiding philosophy of Er. P. Perumal, a visionary educationist who established the Er. Perumal Manimekalai Group of Institutions widely known as the PMC Tech Group of Institutions comprising an Engineering College, Polytechnic, ITI Industrial School, and Matriculation School in the industrial hub of Hosur, Tamil Nadu. Born into a modest middle-class family in Thanjavur, Tamil Nadu, his life stands as a testament to perseverance, dedication, and the transformative power of education. Through unwavering determination, he rose to become one of the most respected figures in the field of education, turning his aspirations into enduring institutions that continue to shape young minds.

Er. P. Perumal firmly believed that education, hard work, and commitment to the nation are the true pathways to employability and social upliftment. A true patriot at heart, he consistently encouraged the youth to serve the country with integrity and purpose. His life reflected the values of humility, compassion, and respect—towards teachers, family, friends, and society at large. The greatest tribute to this remarkable architect of educational excellence lies in upholding his ideals and striving to fulfill his vision: “To make every man a success and no man a failure.” May this enduring philosophy continue to inspire future generations to walk the path he so nobly charted.

Er. P. KUMAR.,
Chairman, PMCTECH - Group of Institutions



MESSAGE

The institute not only provides a vibrant campus environment and state-of-the-art computing facilities but also strives to equip students with the competencies required to emerge as leaders and trendsetters in their respective fields in this highly competitive era. PMC Tech is dedicated to shaping young minds for creative leadership in professional domains while fostering a proactive and socially responsible outlook toward nation building and community development.

In today's rapidly changing world, the need for constructive and forward-thinking individuals has become more critical than ever. Recognizing this, PMC Tech emphasizes holistic training that prepares students to face diverse challenges with confidence and resilience. An opportunity to study at PMC Tech enables learners to acquire sound knowledge and practical skills essential for leading productive, fulfilling, and balanced lives. As part of its continued commitment to quality technical education and academic excellence, the institution actively promotes Faculty Development Programs, seminars, workshops, and conferences, ensuring that both faculty members and students remain updated with the latest advancements in their respective fields.

Smt.P.MALLAR,
Secretary, PMCTECH - Group of Institutions



MESSAGE

“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. Sasirekha

Trustee, PMCTECH - Group of Institutions



MESSAGE

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

PMC Tech is committed to fostering an environment that nurtures innovation, creativity, and excellence among students. The institution strives to prepare future engineers and managers to face the challenges of an increasingly competitive world by delivering high-quality technical and managerial education, supported by comprehensive training and exposure to state-of-the-art practices.

The educational programmes place strong emphasis on holistic personality development, along with the inculcation of human values and professional ethics, enabling students to grow as responsible and socially conscious individuals.

This newsletter serves as an effective platform to highlight the academic and co-curricular activities of both the department and the institution, strengthening communication among students and faculty members. It is expected to enhance academic culture, promote collaborative engagement, and motivate the academic community to participate actively in future initiatives.



Dr. A. Senthil Kumar

B.E., M.E., MBA., Ph.D. (IITR)., PDF (TUT, SA)., Senior PDF (VSB-TUO, EUROPE)., PGP AI & ML (University of Texas, Austin)

Principal, Er. Perumal Manimekalai College of Engineering



MESSAGE

“TRUE EDUCATION AIMS TO CULTIVATE BOTH INTELLECT AND INTEGRITY”

In today's rapidly evolving world, the cultivation of strong moral values and intellectual excellence remains fundamental to student success. PMC Tech is committed to delivering high-quality, disciplined education that nurtures individual potential and equips learners to adapt to the dynamic demands of modern society. With a strong legacy of academic excellence, the institution upholds the principles of accessibility, affordability, and equality, ensuring that every student is empowered to achieve academic distinction and professional growth in an inclusive and supportive learning environment.

Education at PMC Tech extends beyond the classroom through a strong emphasis on holistic development. Students are encouraged to engage actively in extracurricular, cultural, and sports activities, fostering well-rounded personal and professional growth. State-of-the-art infrastructure, advanced laboratories, and technology centres further enhance both academic and co-curricular experiences. Through comprehensive financial assistance schemes and scholarships, PMC Tech continues to make quality education accessible, enabling students to build confident, successful, and meaningful futures.

Dr.C.R.BALAMURUGAN, M.E, Ph.D.,
Professor & Head /EEE & Organizing Chairperson “EVION 2K25” ,
Er.Perumal Manimekalai College of Engineering



MESSAGE

Electrical and Electronics Engineering is a dynamic discipline that focuses on the design, analysis, and testing of circuits and systems based on the electromagnetic principles of electrical components such as resistors, capacitors, inductors, and transistors. The department emphasizes a balanced integration of strong theoretical foundations with extensive practical exposure, enabling students to gain in-depth understanding of signal transmission, system behaviour, and modern engineering applications.

The primary objective of the department is to nurture young technocrats with the competence to address design-oriented challenges in electronic circuits, power systems, and communication technologies. Through outcome-based education, industry-aligned training, and project-oriented learning, students are prepared to meet the evolving demands of the engineering profession.

Graduates of the Electrical and Electronics Engineering program have diverse career opportunities in power generation, core industries, automation, and the IT sector, contributing effectively to technological advancement and societal development.

CHIEF PATRONS

Shri.P.Kumar, Chairman, PMC TECH - Group of Institutions

Smt.P.Mallar, Secretary, PMC TECH – Group of Institutions

Smt.P.Sasirekha, Trustee, PMC TECH–Group of Institutions

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Dr.A.Senthil Kumar, Principal, PMCTECH–Engineering College

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Mr.N.Sivaraj, Assistant Professor/ Department of EEE

Editorial Board Members (Students)

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S. Manohar, Final year EEE

Raveen R Moorthy, Final year EEE

R. Bharath Kumar, Third year EEE

M.S.Indhuja, Third year EEE

M. Sanjai, Second year EEE

T. Bharat , Second year EEE

V.Amasaveni , Second year EEE

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CO-CURRICULAR ACTIVITIES

S.no	Date of Event	Year / Sem	Name of the event	No. of participants
1.	27.09.2025, 11.10.2025, and 01.11.2025,	III/V	Industrial Lecture - I	67
2.	8.9.2025	III/V, IV/VII	Club Activity	135
3.	29.09.2025	II /III, III/V, IV/VII	Career guidance program	197
4.	27.10.2025	II /III, III/V, IV/VII	Technical Symposium- EVION 2k25	197
5.	15.10.2025	II /III	Guest lecture on “Electric Vehicle and beyond innovation in eMobility”	197
6.	1.11.2025	III/V	Guest lecture “Current Trends in EV, battery and Energy Storage system”	65

1. Industrial Lecture – I (27.09.2025, 11.10.2025, and 01.11.2025)

The Department of Electrical and Electronics Engineering organized an industrial guest lecture series to provide students with practical exposure to current industrial practices and emerging technologies. The sessions emphasized the application of theoretical concepts in real-world engineering environments through industry-oriented discussions and live case studies. The programme contributed significantly to enhancing students' technical knowledge, professional awareness, and understanding of industry expectations.

The lectures were delivered by Mr. Murugan S., Scientist-D, ACTS & BD, C-DAC, Bangalore, on the topic "Embedded System Using IoT." The sessions were conducted on 27.09.2025, 11.10.2025, and 01.11.2025, from 10.00 AM to 4.00 PM. The initiative served as an effective platform for strengthening industry-academia interaction and enriching students' learning experience.



2. Technical Symposium – EVION 2k25 (27.10.2025)

The National Level Technical Symposium **EVION 2K25** was organized by the Department of Electrical and Electronics Engineering with the objective of enhancing technical knowledge, research orientation, and innovative thinking among engineering students.

The programme provided a common academic platform for students from various institutions to present research papers and project-based innovations in emerging engineering domains. The event emphasized interdisciplinary learning, industry relevance, and practical exposure.

The symposium was further enriched through industry interaction and expert guidance, strengthening the linkage between academic learning and real-time industrial practices.

Mr. Vijay Selvam, Industry Expert from Luminous Power Technologies Pvt. Ltd., Shoolagiri, Krishnagiri, graced the occasion of EVION 2K25 as the Chief Guest. His presence added significant value to the symposium by providing industry-oriented insights in the areas of power electronics, energy storage systems, and modern electrical technologies. The interaction motivated students to align academic learning with real-time industrial practices and emerging career opportunities.

Events conducted

Technical Events	Non-Technical Events
1. Paper Presentation, 2. Project Presentation	1. Technical Quiz 2. Electro Hunt 3. Treasure Hunt 4. Funny Riddles 5. Mono Acting

PROGRAMME HIGHLIGHTS

- Participation from multiple engineering institutions
- Technical paper and project presentation sessions
- Industry-oriented knowledge sharing
- Student-industry interaction
- Faculty evaluation and expert feedback
- Active student coordination and team involvement



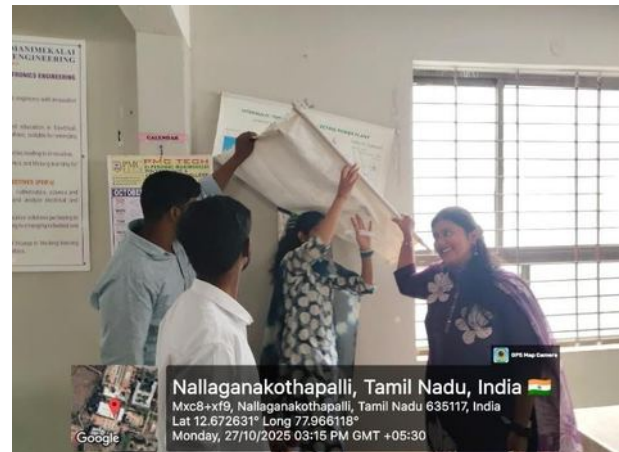
Symposium dice



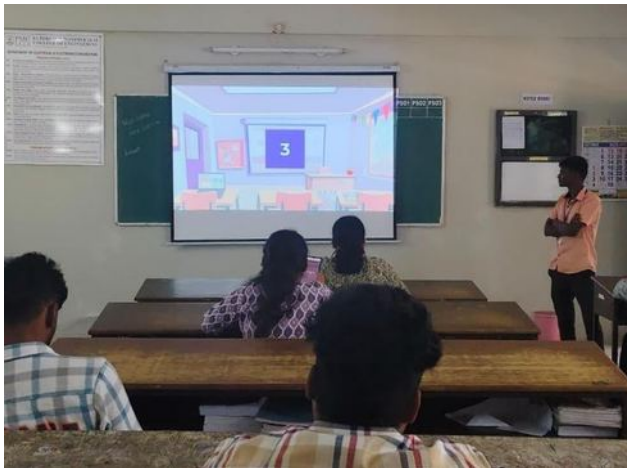
Photos with staffs and students



Prize Distribution

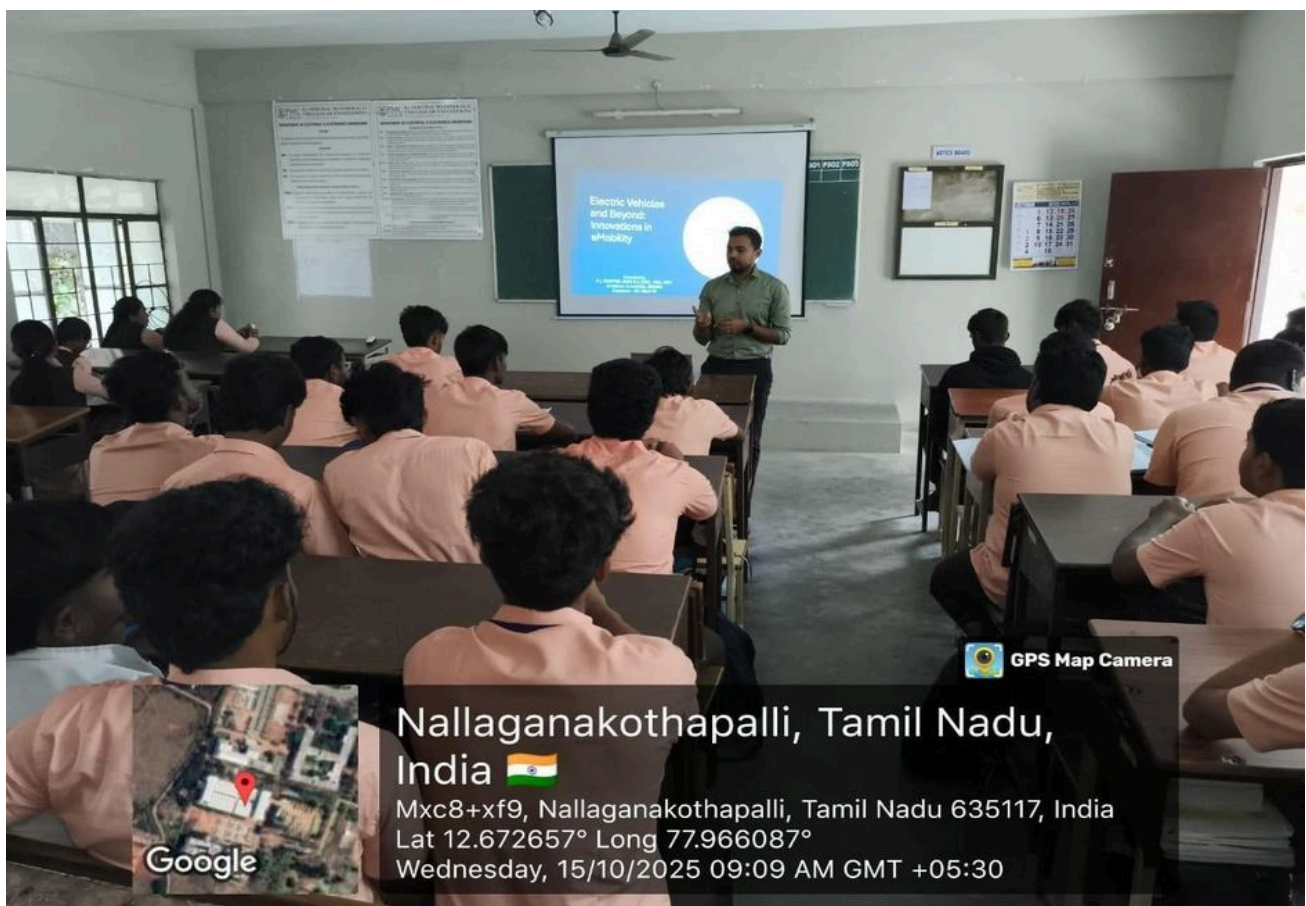


Treasure hunt

**Technical Quiz****Funny Riddles**

3. Guest Lecture – “Electric Vehicle and Beyond: Innovation in eMobility” (15.10.2025)

The lecture highlighted recent advancements in electric vehicle technologies and sustainable mobility solutions. Industry perspectives on future trends, policy frameworks, and innovation challenges were discussed. The session enhanced awareness of evolving opportunities in eMobility. Chief guest by Geoffer jaish , Senior Engineer ,Department of eMobility, Siemens Banaglore.



Google

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India 

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4. Guest Lecture – “Current Trends in EV, Battery and Energy Storage Systems” (01.11.2025)

The session focused on modern developments in battery technologies and energy storage solutions. Experts explained system integration challenges and future research directions. The lecture supported students in understanding the technological roadmap of the EV ecosystem.

PMC TECH Er. PERUMAL MANIMEKALAI COLLEGE OF ENGINEERING
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Department of
 Electrical and Electronics Engineering

**GUEST LECTURE
 BY INDUSTRIAL EXPERT**

**“Current trends in EV, Battery and Energy
 Storage Technologies”**

JEYKISHAN KUMAR K
 Engineering Officer Grade 2
 Energy Efficiency and Renewable
 Energy Division
 CPRI Bangaluru

PRINCIPAL
Dr. A. SENTHIL KUMAR
 B.E., M.E., M.B.A., PGDVS, DISM, Ph.D., (ITR),
 PDF (TUT, SA), Senior PDF (VSB-TUO, EUROPE), PGP AI&ML
 (University of Texas, Austin)

01/11/2025

EEE Seminar hall

CONVENOR
Dr CR BALAMURUGAN
 HOD/EEE

CO-ORDINATOR
Mr T. SENTHIL KUMAR
 AP/EEE

INDUSTRIAL VISIT

S.no	Date of Event	Year / Sem	Name of the event	No. of participants
1.	26.08.2025	III/V	Industrial visit – “Hydro power station, Sathanur dam”	67
2.	26.09.2025 and 27.09.2025	II /III	Industrial visit - “L & T switchgear, ooty”.	52
3.	19.09.2025	IV/VII	Industrial Visit - “ Electronics India : Productronica – Laser world photonics India 2025”, Bangalore	65

1. Industrial Visit – Hydro Power Station, Sathanur Dam (26.08.2025)

The visit provided third-year students with direct exposure to hydroelectric power generation and plant operations. Key aspects such as turbine functioning, control systems, and power transmission were demonstrated on site. The experience significantly strengthened conceptual understanding through real-time industrial observation and practical learning.

**2. Industrial Visit- L&T Switchgear, Ooty (26.09.2025 & 27.09.2025)**

This visit enabled students to gain practical insights into switchgear manufacturing, testing, and quality assurance processes. Interaction with industry professionals enhanced understanding of industrial standards and safety practices. The MOU renewal further reinforced long-term academic-industry collaboration for second year students.



3. Industrial Visit – Electronica India: Productronica & Laser World of Photonics India 2025, Bengaluru (19.09.2025)

The visit exposed students to the latest innovations in electronics manufacturing, automation, and photonics technologies. Live demonstrations and technical exhibits highlighted emerging trends in industrial electronics and laser applications. The event broadened students' perspectives on global technological advancements and industry practices.



FACULTY INDUSTRIAL VISIT

S.no	Date of Event	Name of the event	No. of participants
1.	10.07.2025	Luminous Power Technologies Pvt. Ltd. Shoolagiri	5
2.	16.07.2025	TVS SLF	2
3.	16.07.2025	JLK Automation	1

1. Faculty Industrial Visit Report – Luminous Power Technologies Pvt. Ltd., Shoolagiri

Date: 10.07.2025

Participants: 5 Faculty Members

The faculty industrial visit to Luminous Power Technologies Pvt. Ltd., Shoolagiri, was organized to enhance industry exposure and strengthen practical orientation in teaching and research. The visit provided detailed insights into battery manufacturing processes, quality control systems, and industrial safety standards followed in large-scale power solution industries.



2. Faculty Industrial Interaction Report – TVS SFL

Dates: 16.07.2025

Participants: 1 Faculty Member

The industrial interaction at TVS SFL offered faculty members an opportunity to gain exposure to advanced manufacturing systems, automation practices, and modern supply chain operations. The sessions highlighted best practices in production planning, quality management systems, and lean manufacturing techniques adopted in large industrial environments.



This interaction strengthened faculty understanding of current industrial requirements and technological trends, enabling better integration of real-time case studies and industry practices into classroom teaching and student mentoring.

3. Faculty Industrial Exposure Report – JLK Automation

Participants: 1 Faculty Member

The industrial exposure programme at JLK Automation focused on emerging trends in industrial automation and smart manufacturing. The session provided hands-on insights into PLC-based control systems, sensor integration, and automation solutions applied in modern industries.

The technical discussions facilitated knowledge enhancement in the areas of control engineering, embedded systems, and Industry 4.0 practices. This exposure is expected to contribute significantly to faculty development, research orientation, and the design of industry-aligned student projects and laboratory experiments.

INDUSTRIAL ,TECHNICAL AND SOFT SKILLS TRAINING

S.no	Date of Event	Year / Sem	Name of the event	No. of participants
1.	2.8.2025 to 14.08.2025	III/V	Bytes - “C programming Training”	65
2.	23.09.2025 to 25.09.2025	II /III	Online mode industrial training – “L & T switchgear, ooty”	65
3.	16.9.2025 to 23.09.2025 and 30.09.2025 to 8.10.2025	II /III	IEP training – PCB design and fabrication	65
4.	11.12.25 & 12.12.25	IV/VII	Technical and Soft Skills Development	64
5.	06.10.2025 to 07.11.2025	IV/VII	EV Training and Soft Skills Development by GTT foundation	64

1. Bytes – “C Programming Training” (02.08.2025 to 14.08.2025)

The training program strengthened third-year students' foundational knowledge of C programming through structured hands-on sessions and systematic problem-solving activities. Emphasis was placed on developing logical reasoning skills, effective algorithm design, and adherence to coding best practices. The initiative significantly enhanced students' preparedness for advanced programming tasks and future project-based learning. Training given by bytes company.



2. Online mode industrial training – “L & T switchgear, ooty” (23.09.2025 to 25.09.2025)

The Department of Electrical and Electronics Engineering organized an **online mode industrial training programme** for **II year students** in association with **L&T Switchgear, Ooty**. The training aimed to provide industry-oriented knowledge on modern electrical switchgear systems and practical industrial applications.

The programme offered insights into operational principles, protection mechanisms, safety standards, and real-time industrial practices followed in power distribution systems. The training contributed to strengthening students' understanding of industrial environments and enhanced their awareness of professional competencies required in the electrical engineering sector.

3. IEP Training – PCB Design and Fabrication (16.09.2025 to 23.09.2025 & 30.09.2025 to 08.10.2025)

The Department of Electrical and Electronics Engineering conducted an IEP Training programme on **PCB Design and Fabrication** to strengthen students' practical competencies in electronics system development. The training focused on schematic capture, PCB layout design, component

placement, routing strategies, and basic fabrication techniques. Participants gained exposure to industry-relevant design tools and standard manufacturing practices.

The programme emphasized hands-on learning through real-time design exercises, enabling students to understand the complete PCB development cycle from concept to fabrication. The training significantly improved technical proficiency and practical readiness in electronics product design and implementation.



4. Technical and Soft Skills Development (11.12.25 & 12.12.25)

The Department of Electrical and Electronics Engineering organized a **Technical and Soft Skills Development Programme** to enhance students' professional competence and employability. The programme focused on strengthening technical fundamentals alongside essential soft skills such as communication, teamwork, problem-solving, and professional ethics.

The sessions were designed to prepare students for industry expectations by improving confidence, interpersonal abilities, and practical readiness for workplace environments. The initiative contributed to the holistic development of students by integrating technical knowledge with personality and career-oriented skills. Program conducted by awake



5. EV Training and Soft Skills Development by GTT foundation (06.10.2025 to 07.11.2025)

The Department of Electrical and Electronics Engineering organized an **EV Training and Soft Skills Development Programme** for **IV and VII semester students** in collaboration with the **GTT Foundation**. The programme was conducted to provide structured exposure to emerging electric vehicle technologies and to strengthen essential professional skills required in the modern engineering sector.

The training covered fundamental concepts of electric vehicle systems, including EV architecture, battery management systems, charging technologies, and safety standards. In parallel, soft skills sessions emphasized communication skills, teamwork, professional ethics, and workplace readiness. The programme significantly enhanced students' technical understanding and overall employability.

ALUMNI INTERACTION

S.no	Date of Event	Year / Sem	Name of the event	No. of participants
1.	8.8.2025	III/V	Alumni Interaction	67
2.	9.10.2025	IV/VII	Alumni Webinar-2	65

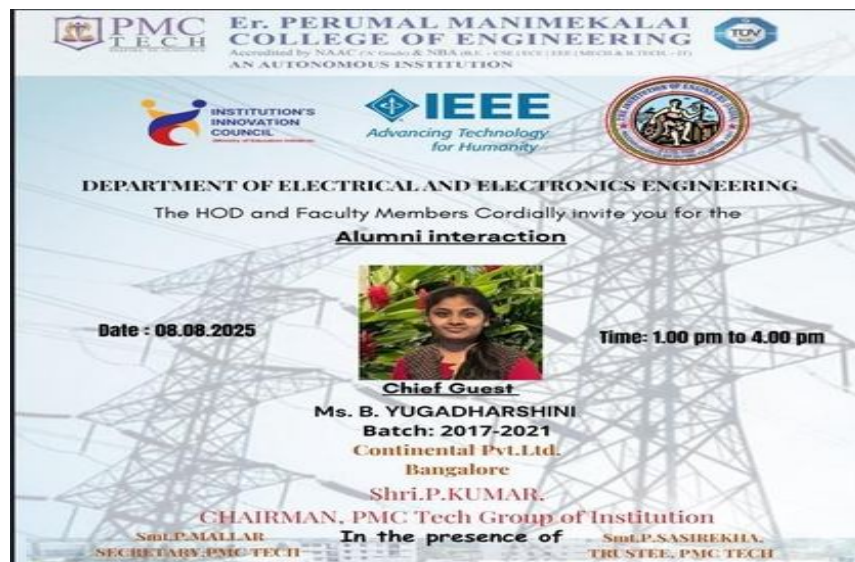
1. Alumni Interaction -1 (08.08.2025)

The alumni webinar provided valuable guidance on career planning and professional development for final-year students. The speaker shared practical insights on higher education pathways, industry transitions, and strategic skill enhancement. The interactive session motivated students to align academic preparation with long-term career objectives. The program was delivered by S. Rajesh, Security Defense Analyst, Accenture, Bengaluru.



2. Alumni Webinar-2 (09.10.2025)

The webinar emphasized industry readiness and emerging opportunities across contemporary engineering domains for third-year students. Alumni speakers underscored the critical role of adaptability, lifelong learning, and strategic professional networking in sustaining career growth. The session further reinforced alumni-student engagement and contributed to strengthening the institution's mentoring culture. The program was delivered by B. Yuga Dharshini, Continental Pvt. Ltd., Bengaluru.



EXTRA - CURRICULAR ACTIVITIES

S.no	Date of Event	Year / Sem	Name of the event	No. of participants
1.	08.09.2025	III/V & IV/VII	Club Activity	67
2.	5.6.2025 to 6.8.2025	II /III	Extension activity	65

1. Club Activity (08.09.2025)

The club activity promoted collaborative learning and peer interaction among students from all three academic years. Participants actively engaged in technical discussions, mini-project development, and structured knowledge-sharing sessions. The initiative effectively fostered leadership qualities, teamwork, and a strong sense of academic community among the students.

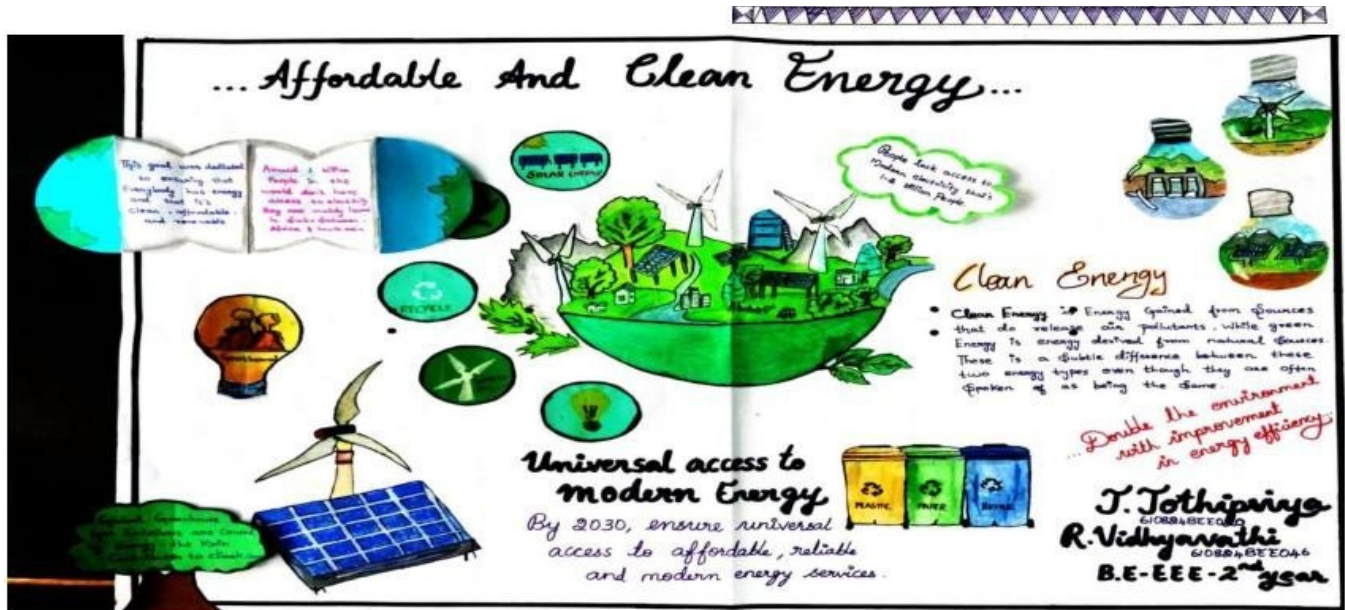




2. Extension activity (5.6.2025 to 6.8.2025)

The Department of Electrical and Electronics Engineering carried out an **Extension Activity** to promote social responsibility, community engagement, and practical awareness beyond the classroom environment. The programme aimed to encourage students to apply engineering knowledge for societal benefit while developing teamwork, leadership, and civic responsibility.

The activity provided opportunities for students to actively participate in community-oriented initiatives, thereby strengthening their sense of social commitment and ethical values. The programme contributed to holistic student development through experiential learning and community interaction.



STUDENT ACHIEVEMENTS
ODD SEMESTER (2025-26) CONSOLIDATED LIST

S.NO	NAME OF THE EVENT	STUDENTS STRENGTH
1	AI IMPACT ON POWER ELECTRONICS CONTROLLERS INCORPORATED EVS AND RENEWABLE ENERGY SYSTEM	11
2	NPTEL (12 WEEKS)	08
3	SYMPOSIUM-PROJECT EXPO	03
4	SYMPOSIUM PAPER PRESENTATION	08
5	AWARNESS PROGRAM-DRAWING COMPETITION	05
6	SPORTS	04

List of Student Achievements in the Academic Year 2025-26 Odd Semester

STUDENT ACHIEVEMENTS

S.No	Register No	Name of the Student	Class	Date of the Event	Name of the Event	Event Category	Achievement Details
1	610822105305	JAIKUMAR T	IV/EEE	24.09.25 &25.09.25	AI IMPACT ON POWER ELECTRONICS CONTROLLERS INCOPRATED EVS AND RENEWABLE ENERGY SYSTEM	STTP	Participation
2	610822105054	VEERARAGHAVAN S					
3	610822105020	GURUPRASANTH.G.M					
4	610822105022	HARISH G					
5	610822105031	MAHENDRAVARMAN R					
6	610822105307	MYTHILI J S					
7	610822105002	ABINAYA S					
8	610822105028	KARTHIK R					
9	610822105021	HARIPRIYA T					
10	610822105030	MAHALAKSHMI C					
11	610822105016	GOKUL L					
12	610822105054	VEERARAGHAVAN S	IV/EEE	Jul-Oct (12 Week)	NTPEL	Programming in Java	Gold
13	610822105030	MAHALAKSHMI C	IV/EEE	Jul-Oct (12 Week)	NTPEL	Artificial Intelligence Concepts and	Elite

						Techniques	
14	610822105055	VENKATESAN R	IV/EEE	Jul-Oct (12 Week)	NTPEL	Programming in Java	Silver
15	610822105002	ABINAYA S	IV/EEE	Jul-Oct (12 Week)	NTPEL	Artificial Intelligence Concepts and Techniques	
16	610822105024	HEMA M	IV/EEE	Jul-Oct (12 Week)	NTPEL	Artificial Intelligence Concepts and Techniques	
17	610822105056	VINOTHINI S	IV/EEE	Jul-Oct (12 Week)	NTPEL	Artificial Intelligence Concepts and Techniques	Elite
18	610822105012	DHANALAKSHMI R	IV/EEE	Jul-Oct (12 Week)	NTPEL	Artificial Intelligence Concepts and Techniques	
19	23U105044	RANJITH M	III EEE	Jul-Oct (12 Week)	NPTEL	Introduction to Internet of Things	Attended
20	23U105008	DHANUSH C	III EEE	25.10.2025	Symposium	Project Expo	Second Place
21	23U105031	MUNIRAJ S	III EEE	25.10.2025	Symposium	Project Expo	Second Place
22	610824BEE306	KAPIL MARAN S	II EEE	31.10.25	Symposium	Project Expo	--
23	23U105031	MUNIRAJ S	III EEE	25.10.2025	Symposium	Paper Presentation	participated
24	610824BEE033	R.RAKSHANA	II EEE	25.10.2025	Symposium	Paper Presentation	Second
25	610824BEE006	S.ATHIYA THABASUM	II EEE	25.10.2025	Symposium	Paper Presentation	Second
26	610824BEE046	R.VIDHYAVATHI	II EEE	25.10.2025	Symposium	Paper Presentation	Second
27	610824BEE020	J.JOTHIPRIYA	II EEE	25.10.2025	Symposium	Paper Presentation	Second

28	610824BEE020	J.JOTHIPRIYA	II EEE	31.10.25	Symposium	Paper Presentation	Third
29	610824BEE306	KAPIL MARAN S	II EEE	31.10.25	Symposium	Paper Presentation	--
30	610824BEE306	KAPIL MARAN S	II EEE	31.10.25	Symposium	Circuit debugging	Second
31	610822105028	KARTHIK R	IV EEE	20.08.2025	Election Awareness Programs	Drawing competition	participated
32	610824BEE031	PAVITHRA T	II EEE	20.08.2025	Election Awareness Programs	Drawing competition	participated
33	610824BEE009	BHARAT T	II EEE	20.08.2025	Election Awareness Programs	Drawing competition	participated
34	610824BEE035	SANJAY M	II EEE	20.08.2025	Election Awareness Programs	Drawing competition	participated
35	610824BEE024	KEERTHANA D	II EEE	20.08.2025	Election Awareness Programs	Drawing competition	participated
36	23U105304	MANO S	III EEE	16.09.25& 17.09.2025	Football	SPORTS	Participated
37	23U105304	MANO S	III EEE	30.8.2025 & 31.8.2025	Football	SPORTS	Participated
38	610822105023	HARSHITHA.M	IV EEE	29.10.2025	Volley Ball	SPORTS	Winner
39	23U105025	KUMUTHA S	III EEE	29.10.2025	Volley Ball	SPORTS	Winner



**LIST OF FACULTY ACHIEVEMENTS
IN THE ACADEMIC YEAR 2025-26 ODD SEMESTER
CONSOLITATED LIST**

S. No	Name of the Faculty	Designation	Category of the Achievement (FDP/NPTEL/Publication/Patent/ Funded Project / Consultancy /Industry Interaction/Outside world Interaction/Internship)	Name / Details of Achievement
1	Dr.C.R.BALAMURUGAN	PROFESSOR & HEAD	1. BEEE – R 2025 2. FEEE – R 2025 3. Urban Agriculture 4. BEEE – R 2205 - 4 Book Publication 5. STTP Program at Crescent University 6. Patent Publication 7. Best Researcher award	1. Basic Electronics and Electrical Engineering - Magnus Publication: 978-81-991101-2-0 2. Basic Electronics and Electrical Engineering - Magnus Publication: 978-81-9900778-1-2 3. Fundamental of Electrical and Electronics Engineering - Magnus Publication, ISBN: 978-81-991101-3-7 4. Urban Agriculture- Shruti Publication- ISBN: 978-81-986056-6-5 5. AI Impact on Power Electronic Controllers Incorporated EVs and Renewable Energy Systems at Crescent University, Chennai-24/9/2025 & 25/9/2025 6. Patent Published 7. Best Researcher award by IEI

				Hosur Division.
2	Dr. A. GNANA SARAVANAN	PROFESSOR	1. Journal Publication 2. 2 Candidates PhD Viva Completed 3. 1 Full time Scholar Admitted	1. Published a paper in the Indian Journal of Science & Technology, Titled Maximizing Electric Vehicle Efficiency Through Integration of PV Grid – Tied Systems and PMBLDC Motors. 2. Candidates Mr. Reegan Completed Viva Completed on 03.06.2025. 3. Candidate Mr. Frnandus Viva Completed on 07.07.2025. 4. One Full time Scholar Mrs. C. Sindhuja Admitted in the year 2026 - 2026
3	Dr.V.VIJAYAL	ASSISTANT PROFESSOR	1. Journal Publication 2. Book Publication 3.FDP-NITTTR 4.FDP- ATAL	1. IJIRSET-Volume 14, Issue 6, June 2025 2. Fundamental of Electrical and Electronics Engineering - Magnus Publication, ISBN: 978-81-991101-3-7 3. Outcome - Based Education from 4/8/2025 to 8/8/2025 4. Greener, Smarter, Faster: the role of organic semiconductor in EV- from 13/10/2025 to 18/10/2025
4	Mrs. G. SHASIKALA	ASSISTANT PROFESSOR	Attended two ATAL FDP	1. Attended ATAL FDP on Semiconductor for Smart Systems: Applications in IoT, AI, and Next-Gen Devices at Shree Sathyam College of Engineering &

				Technology from 06.10.2025 to 11.10.2025 2. Attended ATAL FDP on Advanced Manufacturing for Industry 4.0: Integrating Additive Technologies and Sustainable Practices from 15.11.2025 to 22.11.2025.
5	Mrs. S. MEENAKUMARI	ASSISTANT PROFESSOR	1. NPTEL Proctored Online Exam 2. NITTR FDP 3. NPTEL FDP Industry Training at LK Switchgear Training Centre Ooty	1. NPTEL Course on Cloud Computing. 2. NITTTR FDP Outcome - Based Education from 08/09/2025 to 12/09/2025 3. FDP on Cloud Computing by NPTEL. 4. Attended Industry Training at LK Switchgear Training Centre Ooty from 24.09.2025 to 26.09.2025 Attended ATAL FDP on Advanced Manufacturing for Industry 4.0: Integrating Additive Technologies and Sustainable Practices from 15.11.2025 to 22.11.2025.
6	Mr. T. SENTHILKUMAR	ASSISTANT PROFESSOR	1. Book Publication 2. NITTTR FDP 3. Online FDP One week Online FDP	1. Fundamental of Electrical and Electronics Engineering - Magnus Publication, ISBN: 978-81-991101-3-7 2. NITTTR FDP on Outcome - Based Education from 08/09/2025 to 12/09/2025

				3. Attended FDP on AI in Research Methodology at Jai Shriram Engineering College, Tirupur from 16.06.2025 to 20.06.2025 Attended FDP on Recent Advancement in AIML at St. Joseph's College of Engineering, Chennai from 30.06.2025 to 04.07.2025.
7	Mr.K.M.DHARMARAJAN	ASSISTANT PROFESSOR	1. NITTR FDP	FDP on Outcome - Based Education from 4/8/2025 to 8/8/2025.
8	Mr.K.GOBI	ASSISTANT PROFESSOR	1. NPTEL Proctored Online Exam 2. NITTR FDP 3. Industry Training at LK Switchgear Training Centre Ooty Paper Presentation	1. NPTEL Course on 2. NITTR – FDP on Outcome - Based Education from 4/8/2025 to 8/8/2025. 3. Attended Industry Training at LK Switchgear Training Centre Ooty from 24.09.2025 to 26.09.2025 Presented Paper at 6th International Conference on Recent Trends in Engineering & Technology at Mount Zion College, Pudukottai
9	Mr. N.SIVARAJ	ASSISTANT PROFESSOR	1. Book Publication 2. NITTR FDP 3. NPTEL Online Exam NPTEL FDP	1. Fundamental of Electrical and Electronics Engineering - Magnus Publication, ISBN: 978-81-991101-3-7 2. FDP on Outcome - Based Education from 4/8/2025 to 8/8/2025 3. NPTEL Exam - Fundamentals of Artificial Intelligence NPTEL FDP - Fundamentals of Artificial Intelligence



The Institution of Engineers (India)

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HOSUR LOCAL CENTRE

Best Researcher Award

to



Dr. C.R. BALAMURUGAN

M.E. Ph.D. M.I.E.

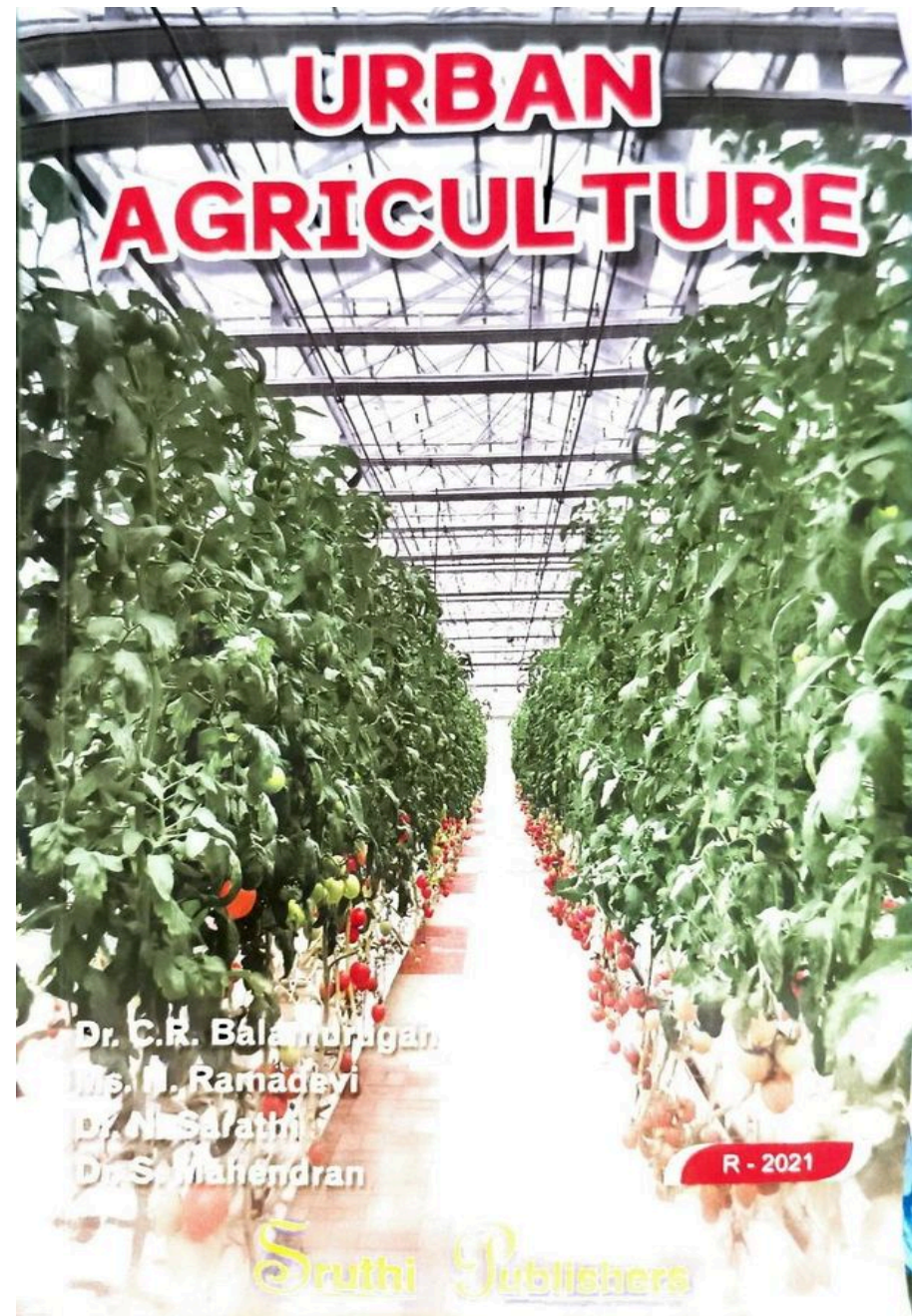
In recognition of your outstanding performance, original thinking, and significant contributions to academic and scientific research. Your achievements inspire other researchers, and advance knowledge within a particular field.

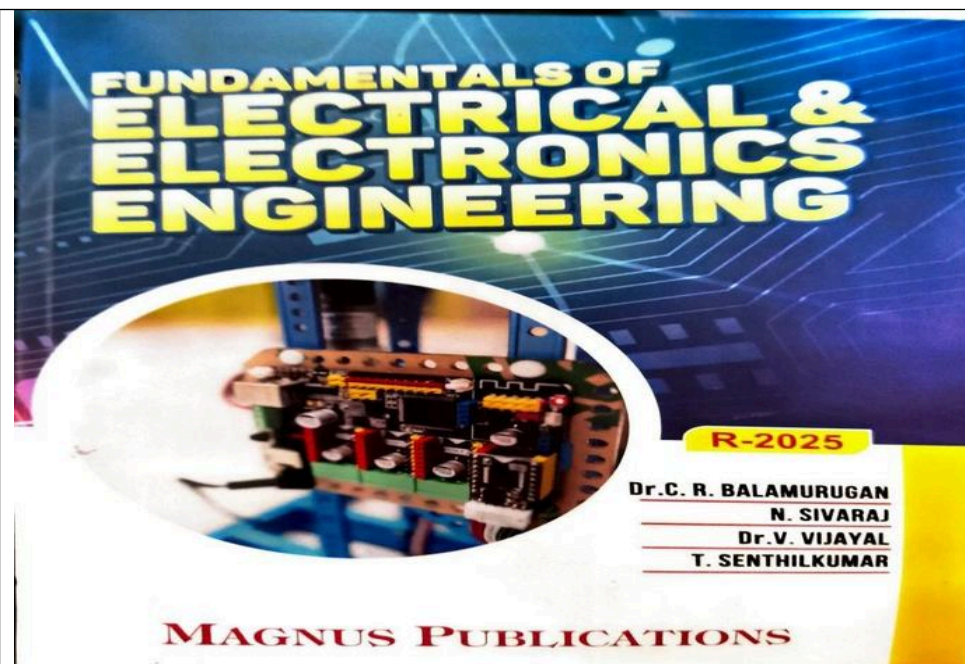
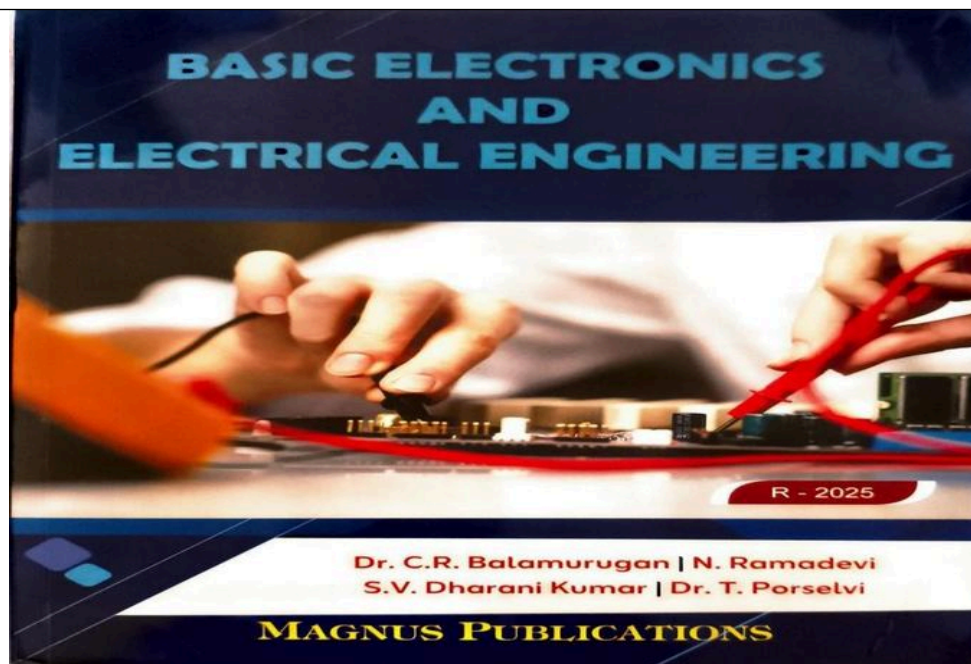
These awards recognize excellence in original research, innovative thinking and the quality and impact of published work.

Dr. K. Ramalingam FIE.
Chairman IEI - HLC Hosur.

Dr. K.N. Sivaraju FIE.
Imm. Hon. Secretary TNSC Chennai.

Dr. V. Selvaraj BE, AMIE.
Hon. Secretary IEI - HLC Hosur.





(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/10/2025

(54) Title of the invention : RAILWAY GATE CONTROL USING GEOPHONE SENSOR AND GREEN ENERGY

(51) International classification

(31) Priority Document No

(32) Priority Date

(33) Name of priority country

(86) International Application No

Filing Date

(87) International Publication No

(61) Patent of Addition to Application Number

Filing Date

(62) Divisional to Application Number

Filing Date

(57) Abstract :

Railway gate control using Geophone sensor and green energy is a project which protects the vehicles that pass through the railway passage by closing the gate before the train comes near the gateway by detecting using the vibrations from the train tracks and real time GPS tracking which is completely solar powered.

No. of Pages : 12 No. of Claims : 3

(21) Application No.202544102992 A

(43) Publication Date : 28/11/2025

(71)Name of Applicant :

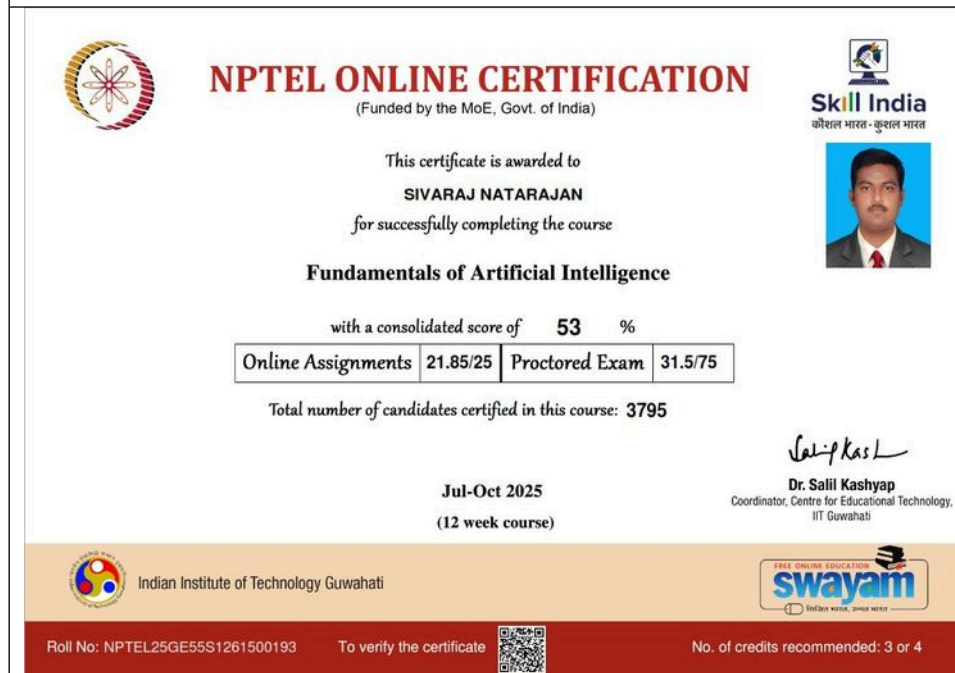
1)Er. **PERUMAL** MANIMEKALAICOLLEGE OF ENGINEERING
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5)KAVYAN
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7)MYTHIL JIS

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:NA
:NA
:NA
:NA







NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SIVARAJ NATARAJAN

for successfully completing the course

Fundamentals of Artificial Intelligence

with a consolidated score of 53 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jul-Oct 2025)

Roll No: NPTEL25GE55S1261500193

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 18th Nov, 2023, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2023



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CERTIFICATE OF PARTICIPATION

This is to certify that

Mr. N. Sivaraj

Assistant Professor/EEE, Er. Perumal Manimekalai College of Engineering, Hosur

has participated in the One Week National Level Faculty Development Program (FDP) on "Artificial Intelligence in Multidisciplinary Research" from 15th December to 21st December, 2025, organized by the Xavier Institute for Research and Development.

Certificate Id: XA023



C. Angel Sarojini

Mrs. C. Angel Sarojini
Academic Director



Home > Iranian Journal of Science and Technology, Transactions of Electrical Engineering > Article

Maximizing Electric Vehicle Efficiency Through Integration of PV Grid-Tied Systems and PMBLDC Motors

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LIST OF ACADEMIC TOPPERS ODD SEM (2025-2026)

Class: IV EEE

Toppers List (First 5 Toppers)			
S.No	Register No	Name of the Student	CGPA
1	610822105030	MAHALAKSHMI C	8.97
2	610822105033	MANOHAR S	8.21
3	610822105053	VARSHINI G	8.11
4	610822105309	RAVEENA R MOORTHY	8.09
5	610822105002	ABINAYA S	8.08

Class: III EEE

Toppers List (First 5 Toppers)			
S.No	Register No	Name of the Student	CGPA
1	23U105043	RAMYA M	9.28
2	23U105006	DEVADHARSHINI L	8.93
3	23U105305	MONISHA B	8.88
4	23U105017	HARSHITHA M	8.74
5	23U105029	MOHAN RAJ G S	8.7

Class: II EEE

Toppers List (First 5 Toppers)			
S.No	Register No	Name of the Student	CGPA
1	610824BEE046	VIDHYAVATHI R	9.76
2	610824BEE033	RAKSHANA R	9.64
3	610824BEE020	JOTHIPRIYA J	9.2
4	610824BEE003	ANBARASU M	8.68
5	610824BEE006	ATHIYA THABASUM S	8.64

Audha Pooja Celebration in Department

The Department organized the Audha Pooja celebration with traditional devotion and active participation from faculty members, staff, and students. The ceremony was conducted to seek divine blessings for the effective functioning of academic activities, laboratories, and technical facilities.

The event highlighted the importance of respecting tools, instruments, and knowledge that support teaching and learning processes. The celebration fostered unity, cultural awareness, and a positive academic atmosphere within the department.

The programme concluded with the distribution of prasadam, marking the occasion as a meaningful blend of tradition and institutional harmony.

