



Editorial Board

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Samhati - Parent-Teachers' Meeting

02 September 2025

The department of Electrical and Electronics Engineering (EEE) organized a Parent-Teachers' Meeting for the third and seventh semesters on 23-24 August , 2025 at LC01, CV Raman Block. Mr. Ravikiran Rao, Assistant Professor, EEE welcomed all the attendees and emphasized the significance of conducting regular Parent-Teachers' Meetings. He outlined the evolution of these gatherings since 2019 and provided a brief overview of departmental initiatives aimed at supporting academic excellence.

Dr. Suryanarayana K, Professor and Head, EEE, outlined the agenda of the meeting, which included:

- Purpose of the Meeting
- Measures taken to enhance academic performance
- Collection of parental feedback
- One-on-one interactions between parents and faculty members

Key discussion points:

- Importance of identifying each student's passion and interests, encouraging them to excel in their chosen field of interest while ensuring timely completion of the degree. The college and the department aspire for every student to become a responsible citizen.
- Allocation of every Saturday in the curriculum for conducting activities and the significance of such initiatives.
- Possible career pathways available for engineering graduates after completion of their degree.
- The necessity of pursuing higher studies, attempting GATE and the benefits associated with it.
- Importance of undertaking projects during engineering and how such experience benefits students during campus interviews.
- The crucial role of parents in supporting their children until they secure a job, especially in maintaining high morale.
- Steps taken by the department to assist students in securing employment opportunities.

- Clarification that salary should not be a primary concern for parents or candidates, as higher salaries often come with higher risks.
- Availability of open laboratories beyond regular hours for the benefit of students.

Mr. Ravikiran Rao elaborated on the Department's Vision, Mission, Program Educational Objectives (PEOs), Program Outcomes (POs), and Program Specific Outcomes (PSOs). He also shared placement statistics since 2019, including the notable achievement of 22 students being placed in various companies in Japan. The meeting was concluded with an open forum where parents engaged in discussions, clarified doubts and provided constructive feedback aimed at further improving academic standards.



Swachh Abhiyan - 2025

07 September 2025

The Department of Electrical and Electronics Engineering organized a Swachh Abhiyan – “One Step Towards Cleanliness” on 04 September 2025, in association with NSS, from 3:00 PM to 4:00 PM. Students from first year to final year actively participated in cleaning 18 venues of the department, including classrooms and laboratories. The objective of the event was to create awareness among students about the importance of maintaining cleanliness in their learning environment, while instilling a sense of responsibility and belongingness towards their department. More than 400 students enthusiastically took part in this initiative, demonstrating team spirit and dedication. The faculty members of the department coordinated the activities at their respective venues, ensuring smooth and effective execution. The event concluded with a valedictory session graced by the Vice Principal and Nitte (Deemed to be University) officials, who appreciated the collective efforts of students and faculty members. Dr. Suryanarayana K, Professor and Head, Department of Electrical and Electronics Engineering applauded the students for the successful conduction of the Abhiyan and encouraged them to continue carrying forward this spirit of cleanliness and responsibility in their future endeavours.



Industry Visit and the Alumni Interaction Report

26 September 2025

The Department of Electrical and Electronics Engineering (EEE), NMAMIT, Nitte, conducted a series of industry and alumni interaction visits at Bangalore between September 16-18, 2025. The objective was to strengthen the industry–academia collaboration, explore opportunities for the student internships and placements, and identify potential areas for joint projects and research. Also, to invite them for Elixir project exhibition event that is scheduled for November 10, 2025. Dr. Suryanarayana K, Professor and Head, Department of EEE lead the team consisting of Dr. Dinesh Shetty, Assistant Professor III and Mr. Ravikiran Rao M, Assistant Professor II.

1. Onsemi, Bangalore (16 September 2025)

Discussions were held with Mr. Milind Digraskar, Senior Director - Applications and our Alumni Mr. Vishwas Kedilaya. OnSemi expressed strong interest in collaborating on projects related to power electronic drives for electric vehicles, focusing on controller design and firmware development for three-level multilevel inverters. A proposal for setting up D&V/AVL motor emulator facilities was also discussed. The Non-Disclosure Agreement (NDA) will be signed as per the institutional norms. Dr. Suryanarayana K, proposed the formation of a Technical Advisory Committee to strengthen the academic industry relationship and Team Onsemi agreed to be part of this initiative.

2. Atria Power, Bangalore (16 September 2025)

The team interacted with Ms. Latha (HR Consultant) and Mr. Ranjeeth. The company shared its growth trajectory and recruitment practices, and assured participation in the future placement drives. The HoD highlighted the department's placement statistics and efforts to promote student interest in core companies.

3. Guri Advanced Systems, RT Nagar, Bangalore (16 September 2025)

Mr. Yogesh Bhat, founder, introduced his start up on EV-based towing machines in airports. Preliminary customer requirements were discussed, with scope for technical collaboration after detailed feasibility studies.

4. TD Power Systems (TDPS), Bangalore (17 September 2025)

Mr. Vinay Hegde (Global Head, TDPS and 1994 alumnus) hosted the team. The faculty members explored design, manufacturing and testing facilities of large AC generators and motors (up to 200 MW). Insights on cooling systems (CACW), auxiliary generators, and permanent magnet excitation systems were shared. Mr. Hegde agreed to be associated with the Department of EEE and extended his continued support. Later, he connected the department with Mr. Ravindra Putturaya, an entrepreneur in switchgear and protection.

5. Trane Technologies, Bangalore (17 September 2025)

The HR Ms. Vineela and the project team lead by Mr. Sanjith Kumar shared information about opportunities in power electronics and allied domains. They assured continued association and expressed interest in offering electives through industry-academia partnership. Also explored involving students in small-scale projects and leveraging Trane's expertise to address global challenges.

6. Sivara Technologies, Bangalore (18 September 2025)

Mr. Ravindra Putturaya (Founder, Sivara Technologies, 1994 alumnus) welcomed the team and shared his professional journey. He stressed the importance of workshops on emerging technologies for the student skill enhancement. He also advised NMAMIT to focus on product development under Athmanirbhar Bharat scheme of the Government of India, offered future guidance and agreed to be part of the Technical Advisory Committee.

Overall Outcomes:

- Invitations were extended to all industry partners and alumni to attend Elixir 2025 (10 November 2025).
- Positive responses were received towards forming a Technical Advisory Committee.

- Potential collaborative projects were identified in electric vehicles, power electronics and product development.
- Companies assured support for placements, internships and industry exposure.
- Alumni expressed willingness to guide and mentor students to make them industry-ready.



Outreach Programme at MITE, Moodbidri

27 September 2025

The Department of Electronics and Communication Engineering, Mangalore Institute of Technology and Engineering (MITE), Moodbidri, Mangalore in association with the IEEE Student Branch and IEEE Microwave Theory and Technology Society (MIT-S) organized a two-day student development programme titled “Sparks and Fields: Hands-on Exploration of Electromagnetics” for the 5th semester ECE students on 22-23 September 2025.

Dr. Suryanarayana K, Professor and Head, Mr. Ravikiran Rao M and Mrs. Swathi Hatwar H, Assistant Professors – Grade – II, Department of Electrical and Electronics Engineering, NMAMIT, Nitte were the resource persons who were assisted by Mr. Shravan Vailaya and Mr. Vinay Mesta, M. Tech students of the same department.

The workshop was aimed at imparting practical visualization of electromagnetic laws and phenomena through working demonstrations and projects to the participants. The core topics included:

- Fundamental Laws of Electromagnetism: Mutual induction, Lorentz force, Biot–Savart’s law, Ampere’s circuital law, force between current carrying conductors
- Basic Electromagnetic Concepts: Working of inductors, breakdown voltage of air, electric potential, dot convention
- Time-Varying Fields & Transmission Lines: Visualization of time-varying magnetic fields, transmission line concepts to understand harmonics
- Electromagnetic Applications & Phenomena: Reluctance torque, Tesla’s Egg of Columbus, magnetic levitation, linear induction motor demonstrations

A total of 18 projects were showcased to students, each designed to connect theory with experiments, thereby deepening the understanding of abstract concepts in electromagnetic fields. The workshop provided an interactive, hands-on learning platform that encouraged curiosity, experimentation and critical thinking. The students not only strengthened their theoretical foundation but also gained an appreciation of how electromagnetic laws govern practical systems and technologies.



Capacity Building Programme

26 September 2025

Dr. Anitha Marina Colaco, Associate Professor, Department of Electrical and Electronics Engineering, NMAMIT, Nitte contributed as a facilitator in the capacity building programme on “Awareness on Mental Health and Prevention of Sexual Harassment at Workplace (POSH)” organized by Justice K S Hegde Charitable Hospital in collaboration with the Staff Development Centre, Nitte (DU) from 04-24 September 2025.

Creating Effective Blended Learning Resources – FDP Resource Person

29 September 2025

The Faculty Development Programme (FDP) on “Creating Effective Blended Learning Resources” was organised by the Staff Development Centre (SDC) of Nitte (Deemed to be University) for the faculty members of various departments of NMAM Institute of Technology, Nitte on 15,16 & 27 September 2025. Eighteen faculty members participated in the FDP in

which Mr. Pradeep Kumar, Assistant Professor – Grade – III worked as one of the resource persons.

Mr. Pradeep Kumar introduced the E-Leaning Module (ELM) prepared by the Nitte (DU) and explained the various components of the same using a sample course plan. He asked the participants to select a course of their choice and build the ELM plan for the same using various teaching leaning tools available. Faculty members prepared the ELM plan for the courses they have chosen. He introduced the NUeLearn platform of Nitte (DU) for the ELM plan. He explained the various tools available in the platform and use them for the effective preparation of the ELM plan. This session was a conducted as a hands-on session where the participants were trained to use the NUeLearn platform and prepare the sample ELM plan. Finally, he reviewed the course plans and provided the constructive feedback to improve them.



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EEE News Letter

Details of the Workshop / STTP/ Faculty Development Program attended by the faculty of E&E Engg in the month of September 2025

Sl. No	Name	Dept	Title of the Programme	Place	Date
1.	Dr. Suryanarayana K	E&E Engg	8-day Face-to-Face UHV-11 FDP by AICTE, New Delhi	Acharya Institute of Technology, Bangalore	June 30 - July 07, 2025
2.	Mrs. Raksha Adappa	E&E Engg	Classroom Management Series: "From Clicks to Insights: Effective Teaching with Technology & AI"	Staff Development Centre, Nitte (DU)	September 13, 2025
3.	Mrs. Swathi Hatwar H	E&E Engg	Classroom Management Series: "From Clicks to Insights: Effective Teaching with Technology & AI"	Staff Development Centre, Nitte (DU)	September 13, 2025
4.	Mr. Mahabaleshwara Sharma K	E&E Engg	Research Methodology	NPTEL	September 2025
5.	Dr. Latha Shenoy K	E&E Engg	Python for Data Science	NPTEL	September 2025