

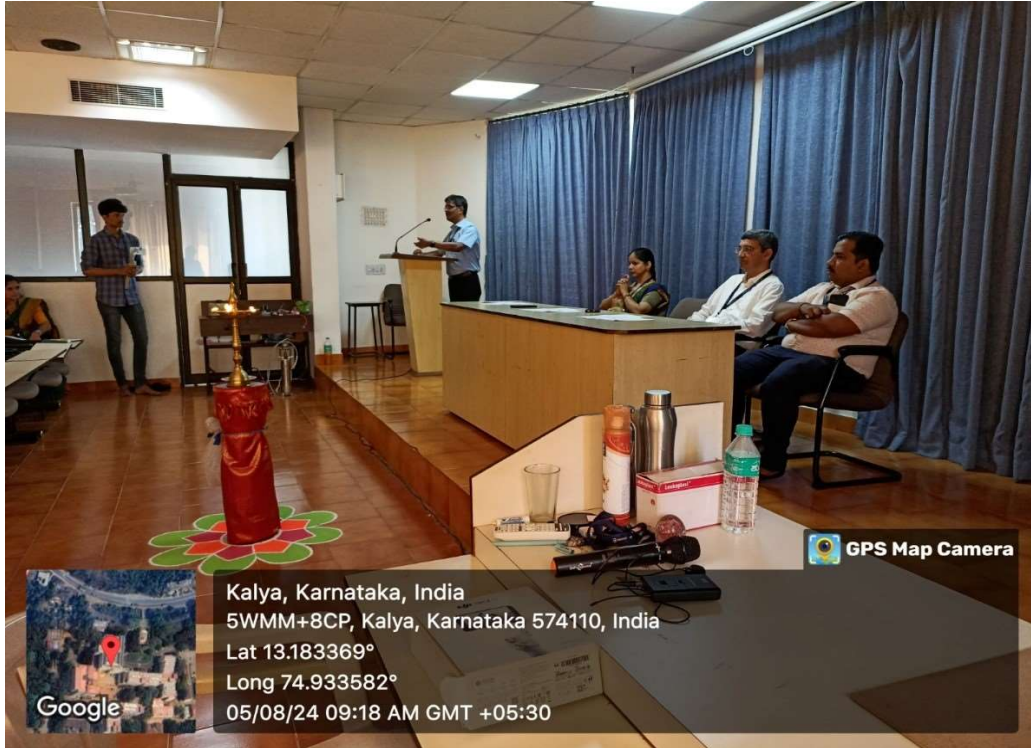
Induction Programme

29 August 2024

The Department of Electrical and Electronics Engineering (EEE) organised an Induction Programme for the first year batch of B. Tech (Electrical and Electronics Engineering) students on 1 and 2 August 2024. Dr Suryanarayana. K, Professor and Head, Department of EEE welcomed all the students of the first year. He gave an insight into the strength of the department and the facilities available to the students in the department that can be utilized to become good engineers. He also briefly explained the overview of the department, its vision, mission and the upcoming events.

On the first day, Dr. Rajalakshmi Samaga B L, Professor, Department of EEE delivered a motivational talk on 'Fruitful Life of an Engineering Student' followed by another speech by Mr. Naveen J, Assistant Professor, Department of EEE on the 'Importance of Electrical Engineering in Our Daily Life'. Post-lunch session, the students got actively involved in various technical activities organized by the department.

On the second day, Dr. Dinesh Shetty, Assistant Professor, and the faculty coordinator of the association of Electrical and Electronics Engineering , 'Elites', presented an overview of the various activities and events conducted by the students of the association. He also explained the process that students should follow to become an office bearers of Elites. Dr. Girisha Joshi, Associate Professor, delivered a motivational speech on 'Growth Mindset', followed by another speech by Mr Dhananjay, Assistant Professor, on 'Time Management in B.Tech. and Career Opportunities after B.Tech.'. Mr. Ravikiran Rao M, Assistant Professor, ignited the minds of the students to take up the projects on their own and explained how it would help them in their career hunt. He invited the students to take part in exhibiting at least one project during the mega event of the department 'ELIXIR'. Post-lunch, the HoD advised students to form a group of maximum of three members and informed them to identify the projects after discussing with the faculty members and senior students. The HoD thanked all the student volunteers and faculty members involved in organizing the event.

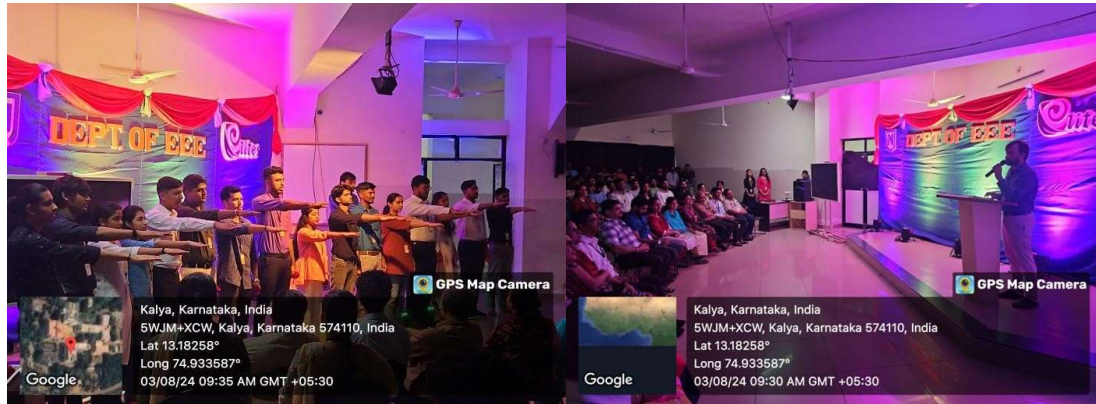




Swearing In Ceremony of Elites Office Bearers

28 August 2024

The Department of Electrical and Electronics Engineering (EEE) organised the ‘Oath Taking Ceremony’ of the newly elected office bearers of the Department of Electrical and Electronics Engineering student association ‘Elites’ for the year 2024-2025 on August 03, 2024. The event began with a welcome speech by the Elites Faculty Coordinator Dr. Dinesh Shetty. Dr. Suryanarayana, K, Professor and Head, Department of EEE felicitated the office bearers. Dr. Dinesh Shetty administered the oath to the elected office-bearers. The elected office-bearers expressed their opinions on the strategies for the development of the department and outlined their vision for the upcoming year. A presentation detailing the history of the Elites was shared with the audience. It would help the students to understand the organization’s background and achievements. The HoD gave a clarion call to the students to participate in the outreach programmes aimed at high school students. He requested the digital media team to elevate the social media presence to enhance visibility and engagement. He announced that the Elites will offer mathematics classes for the first-year students to help them strengthen their basics and boost their confidence in the subject. The appreciation letters were handed over by the HoD to all the volunteers who actively participated during the recently concluded first-year student admission process in recognition of their hard work and dedication. The event ended with the rendition of the national anthem.



Kaushalya-07

11 August 2024

The Department of Electrical and Electronics Engineering, NMAMIT, Nitte organised a student development program (SDP) 'Kaushalya-07, Right tool - Accurate measurement - Better information' for the fifth semester students on 5 and 6 August 2024 and third semester students on 7 and 8 August 2024 at Shambavi Seminar Hall. The aim of the SDP was to combine theoretical knowledge with practical exercises and equip students with essential skills for achieving precise measurements and interpreting data effectively, which are crucial for their future engineering projects and studies. The SDP focused on mastering key concepts in power electronics, VLSI, MATLAB, IoT, Switchgear and Protection, Python Programming, Electrical Machines, Microcontrollers, Network Analysis and Analog Signal Processing.

The following sessions were handled for the benefit of fifth-semester students on 7 and 8 August 2024:

Day 1: Session 1: Mr. Naveen J and Mrs. Raksha Adappa, Asst. Professors gave a brief introduction to power electronics and its applications in the day-to-day life of Electrical engineers.

Day 1: Session 2: Dr. Rajalakshmi Samaga B L, Professor, presented insights into the fabrication technologies. She also emphasized on the different ways to represent a circuit.

Day 1: Session 3: Dr. Girisha Joshi, Associate Professor, handled a session on Modern Software tool for Electrical Engineers. He briefed on the various software products that are used by Electrical engineers in their day-to-day life.

Day 2: Session 1: Mr. Anup Shetty, Asst. Professor, conducted a session on Internet of Things (IoT) which offered a comprehensive overview of this transformative technology, covering its fundamental concepts and practical applications.

Day 2: Session 2: Dr. Krishna Rao handled a session on modern switchgear and protection. The various techniques and protective devices used at domestic and industry levels were introduced to the students.

Day 2: Session 3: Mr. Mahabaleshwara Sharma K, Asst. Professor, conducted a session which gave an insight into Python Programming for Electrical Engineers.

Day 2: Session 4: Mr. Pradeep Kumar and Dr. Pramod Bhat Nempu, Asst. Professors, jointly conducted a session on Electrical Machines- II. Theory on various experiments to test machines at institute and industry levels were introduced.

The valedictory programme of Kaushalya for fifth semester was conducted on 6 August 2024. The summary of the two days SDP was presented by Mr. Ravikiran Rao M. The student participants provided constructive feedback about the event. The resource persons shared their experience. Dr. Suryanarayana K delivered the concluding remarks. Mr. Ravikiran Rao M rendered the vote of thanks.

The following sessions were handled for the benefit of third semester students on 7 and 8 August 2024:

Day 1: Session 1: The session commenced with an insightful session led by the Head of Department (HOD), who shared valuable perspectives on the qualities and attitudes that students should cultivate to excel in their academic and professional pursuits. This session set the tone for a series of engaging and informative presentations.

Day 1: Session 2: Following this, Mrs. Nutana and Mrs. Swathi Hatwar, Asst. Professors, conducted a comprehensive session on microcontrollers. They provided an overview of the

microcontrollers, elucidated the differences between standard C and Embedded C programming, and explored the practical applications of microcontrollers in everyday life. They also introduced the Micro_LABlet kit and guided participants on its usage in a systematic manner. Two case studies were demonstrated to the students.

Day 1: Session 3: The next segment featured a session on Digital Storage Oscilloscopes (DSO), presented by Dr. Suryanarayana K. This session included a practical demonstration highlighting the critical aspects of choosing a DSO based on specific requirements. Key topics covered included the impact of probe placement on measurements, waveform analysis and the selection of appropriate DSO settings.

Day 1: Session 4: In the afternoon, students engaged in a hands-on DSO workshop. They were divided into smaller groups and were guided to practice, including setting the reference levels, adjusting voltage and time knobs and utilizing the signal generator. This practical experience aimed at reinforcing the concepts discussed earlier and enhancing the students' proficiency with DSOs.

Day 2: Session 1: The day began with a session on Analog Signal Processing (ASP) by Mr. Ravikiran Rao M, Asst. Professor. He provided an in-depth demonstration of the operation of MOSFETs, discussed the challenges associated with driving the MOSFETs and highlighted the importance of the body diode in these components through practical demonstrations.

Day 2: Session 2: This was followed by a session on network analysis conducted by Dr. Anitha Marina Colaco and Dr. Latha Shenoy, Associate Professors. They covered experimental procedures in the lab, emphasized the importance of preparedness and discussed the tools used in network analysis. They also provided insights into the functioning of RLC circuits. The session was concluded with a quiz wherein students interacted enthusiastically.

Day 2: Session 3: The last session was on Outcome-Based Education (OBE) by Dr. Girisha Joshi, Associate Professor. He explained the OBE framework, its significance in educational settings and how it can be applied to enhance learning outcomes.

The valedictory program was conducted on 8 August 2024. The summary of the two days of SDP was presented by Mrs. Swathi Hatwar H. Both the students and the resource persons shared their views on this SDP. Dr. Suryanarayana K delivered the concluding remarks.

Volume 04

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August 2024

News Letter



Freshers' Day

28 August 2024

The Department of Electrical and Electronics Engineering organized 'Freshers' Day' to officially welcome and induct the second-year students into the fold of the department on 10 August 2024 with the theme "decade party".

The event began with a traditional prayer, followed by the welcome address by the president of "the Association of Electrical and Electronics Engineering Students, NMAM Institute of Technology, Nitte", aptly abbreviated 'Elites' in the presence of Dr. Niranjan N Chiplunkar, Principal, Dr. Suryanarayana K, Professor and Head, Department of EEE and Dr. Dinesh Shetty, Asst. Professor and Faculty Coordinator - Elites. Post that, the HoD presented an overview of the department, its vision, mission and the upcoming events. The principal delivered a motivational speech. The formal event concluded with the rendition of vote of thanks by the Vice president - Elites.

The event featured some fun activities and interactive games to make the freshers feel at home and mingle with the senior students. The cultural performances by the second, third and final year students were a hit. The faculty coordinator delighted the audience by singing a melodious song. The air was filled with joy, energy and enthusiasm, creating a welcoming atmosphere for everyone. The event ended with the rendition of the national anthem. Overall, the Freshers' Day was a great success.





Hostel Visit by the HoD

30 August 2024

Dr. Suryanarayana, K, Professor and Head, Department of Electrical and Electronics Engineering paid a surprise visit to the gents' hostel and addressed the hostel inmates of respective Department on 13 August 2024. He asked the students about their daily schedule in the hostel. He insisted them to make use of the facilities available at the hostel effectively and efficiently. He emphasized on the advantages of being a resident of the hostel. He asked the students about their job expectations and their preparation to achieve them. He advised them to work on their projects after college hours instead of wasting their time in the hostel. He enquired with the students about their problems they faced in the hostel and advised them to report the issues if any, to the chief warden immediately. He advised the students to maintain cleanliness in their rooms.



Peer Mentoring Session

29 August 2024

The Department of Electrical and Electronics Engineering, NMAM Institute of Technology, Nitte organized peer mentoring sessions for the third semester lateral entry students. Mr. Joyon D’Mello, Miss. Pooja, Miss. Nishmitha and Miss. Rakshitha of seventh semester EEE engaged the sessions on Mathematics. They discussed the basics of Differential Calculus and its applications in the domain of Electrical and Electronics Engineering. Forty lateral entry students got benefitted from the sessions held between 13 to 25 August 2024.



Swachh Abhiyan

29 August 2024

Elites, the students Association of the Department of Electrical and Electronics Engineering (EEE), NMAM Institute of Technology, Nitte, organized a Swachh Abhiyan event on 14 August 2024. The event was inaugurated by Dr. Suryanarayana K, Professor and Head, Department of EEE in the Ramanujan Block. During the event, Elites Faculty Coordinator Dr. Dinesh Shetty addressed the students emphasizing the vision of the Swachh Bharat Abhiyan initiated by the Government of India. He highlighted that as responsible citizens, we have the power to bring about change and contribute to making our country cleaner, healthier and more prosperous. After the speeches, the students actively participated in a cleanliness drive, focusing on tidying up classrooms and laboratories. Dr. Suryanarayana K praised the students' enthusiastic participation and encouraged them to continue working together to make a significant impact. The faculty members of department of EEE witnessed the event. The event was concluded at 4:30 PM with the rendition of the national anthem, fostering a sense of unity and patriotism.



Indian Navy – The First and Best Choice

30th August 2024

The Department of Electrical and Electronics Engineering (EEE), NMAM Institute of Technology, Nitte organized a talk on the Indian Navy by Commander Ashwin M Rao on the topic “Indian Navy – The First and Best Choice” for the final year students on August 20th, 2024. The event began with a traditional prayer by Miss. Pruthvi, Fifth Semester Student. Dr. Suryanarayana. K, Professor and Head, Department of EEE extended a cordial welcome to Commander Ashwin M Rao and all the attendees. He outlined the significance of the Indian Navy and provided a brief overview of its role and importance. The Commander began the session with a presentation, offering an insightful overview of the Indian Navy’s operations and achievements. Commander elaborated on the various roles of the Navy, shared incidents from his journey and provided an in-depth explanation of life in the Navy. The audience had the opportunity to engage with the Commander through a question-and-answer session. Dr Rajalakshmi Samaga BL, Professor presented a token of appreciation to the Commander. The HoD concluded the event with a vote of thanks, expressing gratitude to the Commander for his time and insightful speech. Overall, the event was a great success, providing attendees with a comprehensive understanding of the Indian Navy.



Details of the Workshop / STTP/ Faculty Development Program attended by the faculty of E&E Engg in the month of August 2024

Sl. No.	Name	Dept	Title of the Programme	Place	Date
1.	Dhananjaya B	E&E	Personal Finance Management	Staff Development Centre, Nitte (DU)	22 August 2024