

NEWSLETTER OF

## Electronics & Instrumentation Engineering

### Vision of the Institute

The vision of the college is to become a technical university of international standards through continuous improvement.

### Mission of the Institute

Kumaraguru College of Technology [KCT] is committed to providing quality education and training in engineering and technology to prepare the students for life and equipping them to contribute to the technological, economic, and social development of India. The college pursues excellence in providing training to develop a sense of professional responsibility and social and cultural awareness and set students on the path to leadership.

### Vision of the Department

The Department of Electronics And Instrumentation Engineering (E&I) envisions a holistic education that transforms the learners into responsible engineers which shall enable them to identify significant problems both in Industry and Society to arrive at creative and sustainable solution through collaborative team works

### Mission of the Department

The Department of Electronics And Instrumentation Engineering aims to Implement modern andragogical approach in academics, innovative research initiatives and collaborative projects that shall ethically address the societal needs. Develop knowledge and skills required to excel in manufacturing, automation, automation and allied industries on a global platform. Expand the knowledge for higher studies and get inspired for lifelong learning

# HOD's MESSAGE

The Department of Electronics & Instrumentation Engineering, established in 2006, is a specialized branch of Electrical and Electronics Engineering, focusing on the principles and operation of field instruments, SCADA systems, DCS, PLCs, and advanced process control systems. The department boasts state-of-the-art facilities, including the Siemens PLC Automation Laboratory, Advanced Process Control Lab, Computerized Sensors Lab, and the KCT



Embedded Edge AI Laboratory. These labs are pivotal in the design, development, and configuration of automated systems. Our engineers are trained to work in industries with automated processes, such as chemical and manufacturing plants, where they focus on enhancing system productivity, reliability, safety, optimization, and stability. In a short span, we have built a comprehensive infrastructure, aligning with curriculum requirements and offering specialized equipment and software that empower students to undertake real-time projects. Our students have successfully secured placements in leading industries, including Yokogawa, Bosch, Data Patterns, TVS, Tesolve, Saipem, and ECON, among others. Furthermore, many of our alumni have excelled in competitive exams like the CAT and GATE, gaining admission to prestigious higher education institutions. A number of our graduates are currently pursuing advanced studies in renowned universities across the US, UK, Germany, and Australia, further cementing the global reach and academic excellence of the department.

## About the Department

Established in 2006, the Department of Electronics & Instrumentation Engineering offers a comprehensive 4-year undergraduate program with state-of-the-art infrastructure and cutting-edge labs, including the Yokogawa Centre of Excellence, KCT-FLUKE Calibration Centre, Siemens PLC Automation Laboratory, and specialized labs in Advanced Process Control, Computerized Sensors, and Embedded Edge AI. The department boasts a highly qualified faculty with expertise in both industrial and research domains. Strong industry collaborations with automation companies, embedded systems firms, CMTI, and MEMS design organizations ensure that students gain exposure to real-world challenges and the latest technological trends. The department also provides industrial consultancy services in automation solutions and certified calibration, supporting industries in operational efficiency. Additionally, it is involved in government- and industry-funded projects, focusing on practical, innovative solutions. With affiliations to professional bodies like ISA, ISOI, IEEE, ISTE, and IEI, the department continuously enhances its curriculum to align with global standards. These efforts ensure that graduates are well-prepared to lead in the fields of Electronics, Instrumentation, and Automation.

# Department Activities

## Senzorr



The poster for the Senzorr event features a blue and white color scheme with a network of nodes and lines. It includes logos for JSSSRM Institute of Engineering and Technology, Electronics & Instrumentation Engineering Association, and Yugam. The main title 'SENZORR' is in large, bold, blue letters. Below it, the tagline reads 'Explore the realm of sensor' and 'Join us in unraveling the science behind sensing technologies through quiz.' The event details are: VENUE: FORMS, 28 FEB 2024, 04.00 TO 08.00 PM, PRIZE WORTH 500/-. The forms link is <https://forms.office.com/r/JVRhEubHSH>. A QR code is located at the bottom right. The student coordinator is Abinayasawathi.B - 70100 15927.

The EIE Department hosted Senzorr, an engaging online quiz event focused on the basics of sensors and actuators. The event was designed to test participants' understanding of these fundamental components, which play a crucial role in modern engineering systems. Participants had the opportunity to challenge their knowledge on various types of sensors and actuators, their applications, and working principles. The quiz featured a series of thought-provoking questions, offering both a fun and educational experience for all involved. Senzorr was an excellent way to promote learning and awareness about these essential technologies, fostering an interest in their practical applications in industries ranging from automation to robotics. The event successfully blended learning with friendly competition, encouraging students to deepen their knowledge in the exciting world of sensors and actuators.

## Women's Day Celebration



The poster for the Women's Day Celebration features a pink and purple color scheme with silhouettes of women's heads. It includes logos for JSSSRM Institute of Engineering and Technology and Electronics & Instrumentation Engineering Association. The main title reads 'HAPPY International WOMEN'S DAY' and '8TH MARCH'. The tagline is 'WOMEN SELDOM SILENT; THEIR BEAUTY FOREVER SPEAKS'. The event details are: JOIN WITH US FOR THE WOMAN'S DAY CELEBRATION, WORKSHOP ON பெண் நலம் காப்பெல், VENUE: EIE SEMINAR HALL, TIME: 2.00PM TO 4.00PM. The resource person is DR V GANDHIMATHI, QUALITY MANAGER, SHIKRA ENGINEERING.



In celebration of International Women's Day, the EIE Department organized an empowering event titled "Pen Nalam Kaapom", exclusively for women. The event aimed to honor and support women's health and well-being, providing a platform for open discussions and awareness about physical and mental health topics that are essential for every woman. Through engaging activities and informative sessions, the event addressed key issues such as self-care, stress management, and overall health, with a focus on nurturing a balanced and healthy lifestyle. It encouraged women to prioritize their well-being, while fostering a sense of community and solidarity. Pen Nalam Kaapom was a successful initiative, highlighting the importance of women's health and celebrating the strength and resilience of women in the department. The event was a fitting tribute to the spirit of International Women's Day, empowering participants to take charge of their health and well-being.



# Department Activities

## Farewell batch 2024

The EIE Department bid a heartfelt farewell to the batch of 2024 students, marking the end of their academic journey and celebrating their achievements. The event was filled with emotions as faculty and peers gathered to honor the graduating students for their hard work, dedication, and contributions to the department. Special awards were presented to recognize the exceptional achievements of two students. Pavin P. S. was honored with the Outstanding Student Award for his exemplary academic performance and consistent dedication throughout his tenure. The Allrounder Award was presented to Sivakeerthana, who demonstrated exceptional talent across various spheres, excelling in both academics and extracurricular activities. The farewell ceremony was a beautiful moment of reflection, appreciation, and celebration, as the department wished the Batch of 2024 success in all their future endeavors. It was a fitting conclusion to their time at the department, with lasting memories and a sense of pride in their accomplishments.

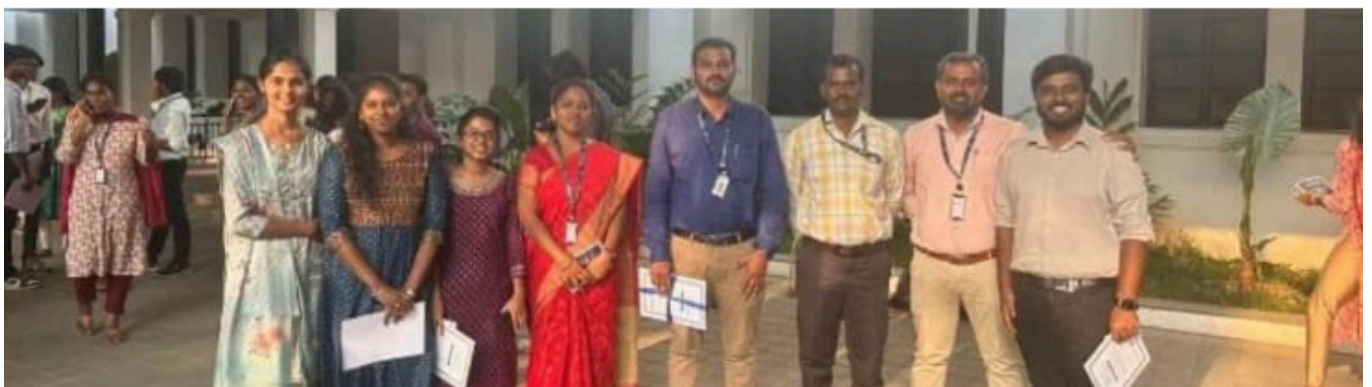




# Mahatma Gandhi Merti Scholarship



The EIE Department extended heartfelt congratulations to the 2nd, 3rd, and Final Year students who had been awarded the prestigious Mahatma Gandhi Merit Scholarship in remembrance of N. Mahalingam. Each recipient received a scholarship of ₹10,000 in recognition of their academic excellence and dedication to their studies. This award served not only as a reward for their hard work but also as an encouragement to continue striving for excellence in their academic journey. It was a proud moment for the department to see its students recognized for their achievements, and we were confident that they would continue to excel and make significant contributions to their respective fields.



**THANK YOU**