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KPR Institute of Engineering and Technology
Learn Beyond
(Autonomous, NAAC "A")

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ElectroBlitz

Quarterly newsletter of the department



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Highlights of the Quarter

STATE-LEVEL FIRST PRIZE IN ENTREPRENEURSHIP & INNOVATION

S. Rithesh and C. S. Vishnu of II Year EEE secured the State-Level First Prize with a ₹1,00,000 cash award in the Entrepreneurship & Innovation Programme.

KONE ELEVATORS HACKATHON – WINNING ACHIEVEMENT

Vertical Vision – Kavinila M (24EE035, III-EEE) and Pradeep VC (24EE045, III-EEE) achieved recognition in the KONE Elevators Hackathon for their project, “AI-Powered Multistage Waveform Analysis and Predictive Fault Detection for VFDs.” The project focuses on analysing electrical waveforms, identifying abnormalities, and predicting potential faults to enable early fault detection and preventive maintenance..

II YEAR INDUSTRIAL / EDUCATIONAL TOUR

II Year Tour to Vagamon and Varkala : The second-year EEE students undertook tour to Vagamon and Varkala on September 10 & 11, 2026.

III YEAR INDUSTRIAL / EDUCATIONAL TOUR

III Year Tour to Coorg and Chikkamagaluru: The third-year EEE students undertook tour to tour to Coorg and Chikkamagaluru on September 26 & 27, 2026.

RESEARCH GRANT ACHIEVEMENT

Dr. B. Lalitha, AP/EEE (PI), and Mr. P. Leninpugalanthi, AP/EEE (Co-PI), have received a seed grant of ₹1,33,000 under KPR SPARK 2026 for their research project, “Vision Grid: AI-Based Sectorized Classroom Energy Management System,” promoting intelligent energy management and sustainable campus operations.

RESEARCH GRANT ACHIEVEMENT

Dr. V. S. Chandrika, Professor/EEE (PI), has received a seed grant of ₹1,92,000 under KPR SPARK 2026 for the research project, “Predictive Edge AI Automation with Industrial-Grade Safety Architecture for Campus Infrastructure,” promoting intelligent automation, enhanced safety, and smart campus infrastructure management.

FACULTY ACHIEVEMENT

Ms. P. Maheswari, AP/EEE, received the Best Women Engineer Award – 2026, instituted by the Institution of Engineers (India), Salem Local Centre, during the 59th Engineers’ Day Celebrations and Awards Ceremony held on 23 September 2026 in Salem.

Events Organised

STRIDE PRESENTATION

Date: 09-07-2026 | 01:45 PM to 02:30 PM **Venue:** II EEE Classroom/On Campus

Attendance: 72 participants

Resource person: Dr.K.Vishnukumar,Professor,KPRIET.

The Department of Electrical and Electronics Engineering conducted a Stride awareness programme on 9 July 2026 for second-year students at the II EEE Classroom. The session highlighted the importance of active participation in co-curricular activities, including technical events, workshops, seminars, hackathons, paper presentations, and competitions. The resource person, Dr. K. Vishnukumar, Professor, KPRIET, Head-Skilling and Development emphasized the role of such activities in enhancing technical knowledge, communication, leadership, teamwork, and problem-solving abilities. Students were motivated to explore their interests, engage in institutional opportunities, and develop essential professional competencies. The programme encouraged students to complement their academic learning with practical experiences, thereby supporting their holistic development and future career prospects.



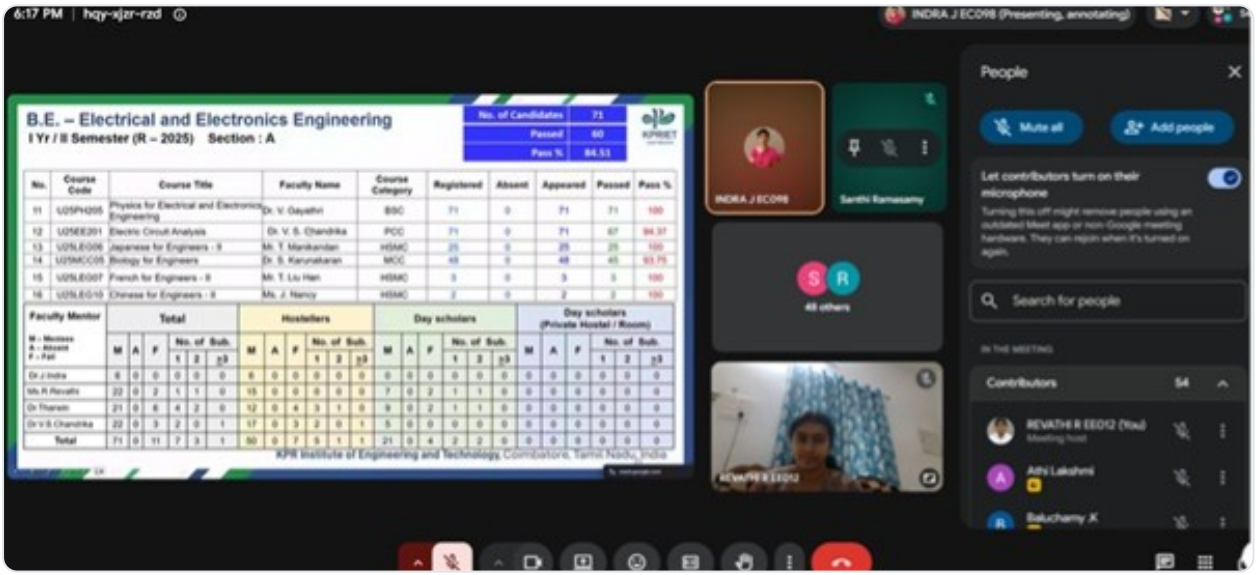
SDG 4 · Quality Education

II YEAR PARENTS MEETING 2026-2027(ODD)

Date: 17-07-2026 | 06:00 PM to 07:00 PM **Venue:** Online **Attendance:** 61 participants

Resource person: Dr.J.Indra,Professor and Head,KPRIET.

The Department of Electrical and Electronics Engineering organized an online Parents–Teachers Meeting on 17 July 2026 for second-year students. The meeting focused on reviewing students' academic performance, attendance, and overall progress. Faculty members discussed strategies to improve academic outcomes, address arrears, and overcome attendance shortages. Parents were encouraged to monitor their wards' study habits, maintain regular communication with mentors, and ensure timely submission of assignments. Action plans were formulated for students requiring additional academic support, and a follow-up review was planned to assess their progress. The meeting strengthened the partnership between parents and faculty members, reaffirming their shared commitment to students' academic development, discipline, and success in accordance with SDG 4: Quality Education.

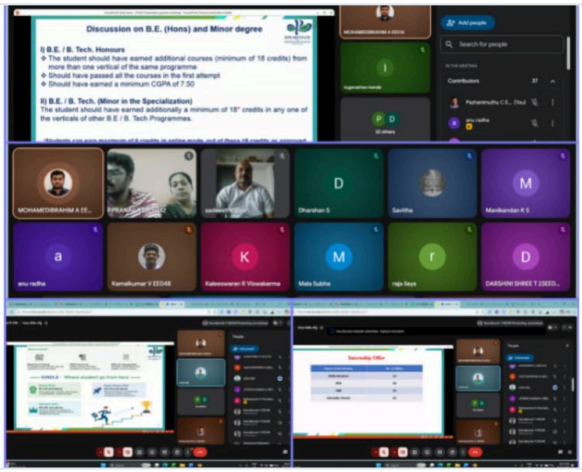


SDG 4 · Quality Education

IV YEAR PARENTS MEETING 2026-2027 (ODD)

Date: 18-07-2026 | 06:00 PM to 07:00 PM **Venue:** Online **Attendance:** 65 Participants

The Department of Electrical and Electronics Engineering (EEE) conducted an online Parents–Teachers Meeting on 18 July 2026 for final-year students. The meeting was attended by the Chief Mentor, Class Mentors, and parents. The Head of the Department presented the academic plan and student development initiatives for the academic year 2026–2027. Discussions focused on Core and IT training programmes, placement achievements, Semester VI academic performance, and the mandatory 75% attendance requirement for eligibility to appear for Continuous Internal Assessment Tests (CIAT). Parents were encouraged to monitor their wards' academic progress, attendance, and participation in training activities. The meeting facilitated constructive interaction between parents and faculty members, strengthening collaborative efforts towards students' academic excellence and career readiness.



SDG 4 · Quality Education

IEEE PELS DAY

Date: 22-07-2026 | 09:00 AM to 04:00 PM

Venue: Anan International School, Kalapatti/Off Campus3 **Attendance:** 43 Participants

Resource person: Dr.B.Lalitha,Assistant Professor,KPR Institute of Engineering and Technology.

The IEEE Power Electronics Society (PELS), in association with the Department of Electrical and Electronics Engineering, KPR Institute of Engineering and Technology, organized IEEE PELS Day under the theme “Bridge and Boost” on 22 July 2026 at Anan International School, Kalapatti. The programme engaged 43 external participants from Class X in hands-on training focused on Internet of Things (IoT) projects. The session aimed to introduce school students to emerging technologies through practical learning and interactive activities. By bridging theoretical concepts with real-world applications, the programme fostered technological awareness, creativity, and innovation among young learners. The initiative also promoted quality education and technological advancement, aligning with SDG 4: Quality Education and SDG 9: Industry, Innovation and Infrastructure.



SDG 4 · Quality Education

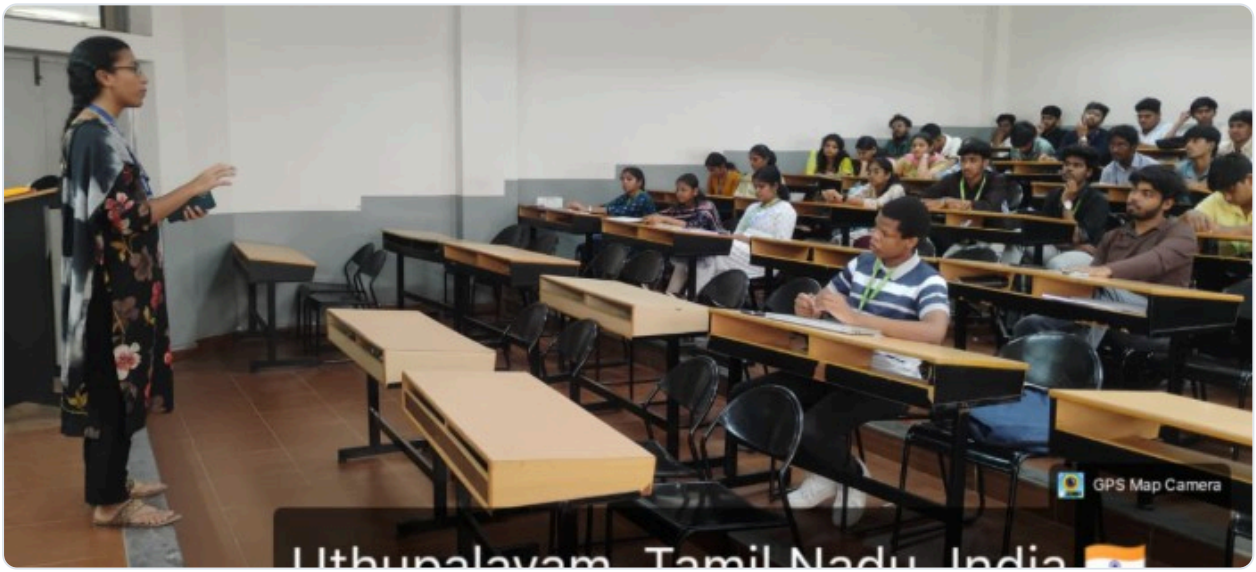
THE GATEWAY TO SUCCESS: A SENIOR'S PERSPECTIVE

Date: 22-07-2026 | 01:45 PM to 02:45 PM **Venue:** II EEE Lecture Hall/On Campus

Attendance: 76 Participants

Resource person: Thanika K K,Student,KPRIET.

The GATEway to Success: A Senior's Perspective was conducted on 22 July 2026 from 1:45 p.m. to 2:45 p.m. at the II EEE Lecture Hall as an orientation programme for II-year EEE students. The session was delivered by Thanika K K, a senior student of KPRIET, who shared her firsthand experience of the GATE examination, including preparation strategies, challenges, and success insights. The session provided students with practical guidance on planning their GATE preparation and understanding the career and higher-education opportunities available through the examination. 73 students participated in the programme. The session motivated students to pursue systematic preparation and explore competitive career and higher-education opportunities.



SDG 4 · Quality Education

VAC ON PCB DESIGNS AND DEVELOPMENT

Date: 27-07-2026 | 04:30 PM to 06:30 PM **Venue:** Centre for PCB Design/On Campus

Attendance: 30 Participants

A Value Added Course (VAC) on PCB Design and Development was conducted on 27 July 2026 from 4:30 p.m. to 6:30 p.m. at the Centre for PCB Design, with the participation of 30 students. The programme provided practical knowledge and hands-on experience in printed circuit board design, bridging the gap between theoretical concepts and industrial practices. Students learned about component selection, schematic capture, PCB layout, footprint creation, routing, Design Rule Checking (DRC), and Gerber file generation. Hands-on sessions enabled students to design single-layer and double-layer PCBs while applying proper placement, grounding, signal integrity, and power-routing techniques. The programme enhanced students' practical skills and confidence in PCB design and electronics product development.



SDG 4 · Quality Education

SHAPING YOUR FUTURE: PROJECT SELECTION FOR CAREER EXCELLENCE

Date: 28-07-2026 | 03:30 PM to 04:30 PM **Venue:** EEE Lecture Hall/On Campus

Attendance: 78 Participants

Resource person: Prof. Dr. Saad Mekhilef,Distinguished Professor,Swinburne University, Australia.

A student orientation on “Shaping Your Future: Project Selection for Career Excellence” was conducted on 28 July 2026 at the EEE Lecture Hall in association with the KPR International Centre (KIC). The session was delivered by Prof. Dr. Saad Mekhilef, Distinguished Professor, Swinburne University, Australia. The programme guided second-year students in selecting meaningful projects aligned with emerging technologies, industry requirements, and research trends. Students gained insights into areas such as renewable energy, electric vehicles, smart grids, AI in power systems, and sustainable energy technologies. The session also highlighted research, internships, technical competitions, and higher-study opportunities. The interactive session motivated students to develop impactful projects and strengthen their profiles for placements, internships, research, and higher education



SDG 4 · Quality Education

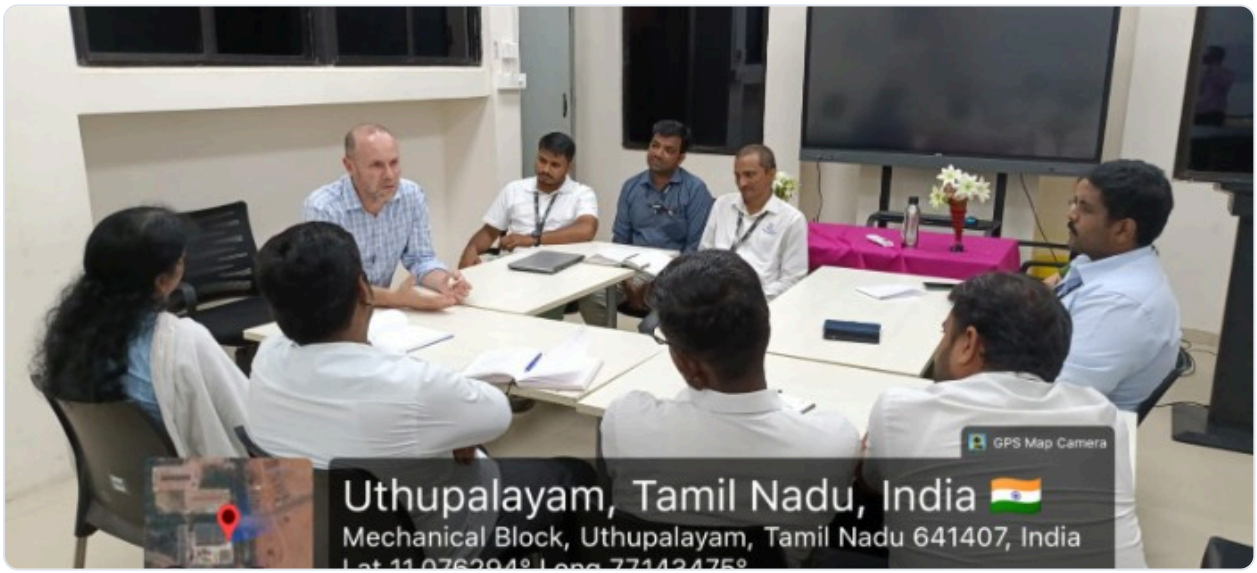
SCHOLARLY WRITING FOR HIGH-IMPACT PUBLICATIONS

Date: 30-07-2026 | 04:30 PM to 05:30 PM **Venue:** EEE Board Room/On Campus

Attendance: 10

Resource person: Prof. Dr. Saad Mekhilef,Distinguished Professor,Swinburne University, Australia.

A Faculty Orientation on “Scholarly Writing for High-Impact Publications” was conducted on 30 July 2026 at the EEE Board Room in association with the KPR International Centre (KIC). The session was delivered by Prof. Dr. Saad Mekhilef, Distinguished Professor, Swinburne University, Australia. The programme focused on developing high-quality research manuscripts for publication in reputed international journals. Faculty members gained insights into research paper structure, effective presentation of findings, impactful abstracts, journal selection, publication ethics, and responding to reviewers. The session also highlighted ways to improve research visibility, citation impact, and international collaboration. The interactive programme motivated faculty members to strengthen their scholarly writing, enhance research productivity, and contribute to the institution’s research excellence



SDG 4 · Quality Education

DRAFTING WINNING RESEARCH PROPOSALS

Date: 31-07-2026 | 04:30 PM to 05:30 PM **Venue:** EEE Board Room/On Campus

Attendance: 10 Participants

Resource person: Prof. Dr. Saad Mekhilef,Distinguished Professor,Swinburne University, Australia.

A Faculty Orientation on “Drafting Winning Research Proposals” was conducted on 31 July 2026 at the EEE Board Room in association with the KPR International Centre (KIC). The session was delivered by Prof. Dr. Saad Mekhilef, Distinguished Professor, Swinburne University, Australia. The programme focused on developing competitive research proposals for national and international funding agencies. Faculty members gained insights into identifying research gaps, formulating impactful objectives, developing innovative methodologies, preparing realistic budgets and timelines, and addressing funding evaluation criteria. The session also highlighted proposal alignment with funding priorities, multidisciplinary collaboration, common reasons for rejection, and strategies to improve funding success. The programme motivated faculty members to pursue external funding and impactful research projects.



SDG 4 · Quality Education

ENGINEERING YOUR FUTURE: PROJECTS , SKILLS AND OPPURTUNITIES

Date: 28-07-2026 | 03:30 PM to 04:30 PM **Venue:** III Lecture hall/On Campus

Attendance: 67 Participants

Resource person: Prof. Dr. Saad Mekhilef,Distinguished Professor,Swinburne University, Australia,

A student orientation session on “Engineering Your Future: Projects, Skills and Opportunities” was organized by the KPR International Centre (KIC) in association with the Department of Electrical and Electronics Engineering, KPR Institute of Engineering and Technology. The session was delivered by Prof. Dr. Saad Mekhilef, Distinguished Professor, Swinburne University, Australia. Students gained insights into emerging engineering trends, project-based learning, research, innovation, and essential technical and professional skills. The session also highlighted international higher education, internships, competitions, entrepreneurship, and industry expectations. The interactive programme motivated students to build strong academic and professional portfolios, develop an innovation-driven mindset, and explore global opportunities for higher studies, research, and successful engineering careers.



SDG 4 · Quality Education

HEPATITIS-FREE FUTURE: SCREENING & AWARENESS

Date: 28-07-2026 | 10:00 AM to 04:00 PM **Venue:** KPR Medical Room/Off Campus

Attendance: 250 Participants

Resource person: Dr. M. Ganesan,Gastroenterologist,SG Gastrocare, Coimbatore. and Mr.Sridhar Jayaraman,President,Rotary Club of Coimbatore Midtown.

A health awareness and screening programme titled “Hepatitis-Free Future: Screening & Awareness” was conducted on 28 July 2026 by the Department of Electrical and Electronics Engineering in association with the KPRIET SDG Club, to commemorate World Hepatitis Day. The programme was held at the KPR Medical Centre with support from the Rotary Club of Coimbatore Midtown and Dr. M. Ganesan, Gastroenterologist, SG Gastrocare, Coimbatore. The session created awareness among students and staff about Hepatitis B and C, including prevention, vaccination, safe healthcare practices, and early diagnosis. A free screening camp enabled participants to undergo voluntary health screening and seek medical guidance. The programme promoted preventive healthcare and supported SDG 3 – Good Health and Well-being.



SDG 3 · Good Health and Well-Being

GRID CONNECTED PHOTOVOLTAIC SYSTEMS DESIGN

Date: 27-07-2026 | 10:00 AM to 01:00 PM **Venue:** EEE Board Room/On Campus

Attendance: 47 Participants

Resource person: Prof. Dr. Saad Mekhilef,Distinguished Professor,Swinburne University, Australia.

A One Credit Course on “Grid-Connected Photovoltaic Systems Design” was conducted from 27 to 31 July 2026 at the EEE Lecture Hall, KPRIET, jointly organized by the KPR International Centre (KIC) and the Department of Electrical and Electronics Engineering. The course was delivered by Prof. Dr. Saad Mekhilef, Distinguished Professor, Swinburne University of Technology, Australia. A total of 35 students participated in the five-day programme. The sessions covered PV array modelling, power electronic interfacing, inverter control, grid synchronization, and standards for grid-connected solar installations. Students gained both theoretical and practical insights into PV system design and renewable energy integration. The course enhanced their technical competencies and awareness of global research and career opportunities in renewable energy engineering.



SDG 4 · Quality Education

HIGHER STUDIES IN AUSTRALIA :OPPORTUNITIES AND PATHWAYS

Date: 29-07-2026 | 02:00 PM to 04:00 PM **Venue:** III EEE Lecture hall/On Campus

Attendance: 25

Resource person: Prof. Dr. Saad Mekhilef,Distinguished Professor,Swinburne University of Technology, Australia.

An awareness session on “Higher Studies in Australia: Opportunities and Pathways” was organized by the KPR International Centre (KIC) in association with the Department of Electrical and Electronics Engineering, KPRIET. The session was delivered by Prof. Dr. Saad Mekhilef, Distinguished Professor, Swinburne University of Technology, Australia. The programme provided students and faculty members with valuable insights into higher education and research opportunities in Australia. Participants gained an understanding of admission procedures, scholarships, visa processes, academic programmes, research opportunities, and career prospects. The session also highlighted the importance of international collaboration and global research trends. The interactive programme motivated participants to explore international education, research opportunities, and global learning experiences while strengthening academic networking between KPRIET and Swinburne University.



SDG 4 · Quality Education

CELEBRATING DIVERSITY : A CULTURAL EXCHANGE FORUM

Date: 31-07-2026 | 02:30 PM to 03:30 PM **Venue:** EEE Board Room/On Campus

Attendance: 20 Participants

Resource person: Dr. Saad Mekhilef,Distinguished Professor,Swinburne University Australia.

“Celebrating Diversity: A Cultural Exchange Forum” was organized as an interactive platform bringing together students and faculty members from diverse cultural, linguistic, and social backgrounds. The forum featured cultural presentations, traditional performances, interactive discussions, and knowledge sharing, enabling participants to explore different traditions, languages, values, and perspectives. The event encouraged mutual understanding, respect, inclusivity, and cross-cultural learning among the academic community. Participants gained greater awareness of cultural diversity and developed intercultural communication and collaboration skills. The programme also provided opportunities for networking and sharing experiences, fostering a broader global perspective. The event successfully reinforced the values of unity, cultural sensitivity, inclusivity, and global citizenship among students and faculty members.



SDG 4 · Quality Education

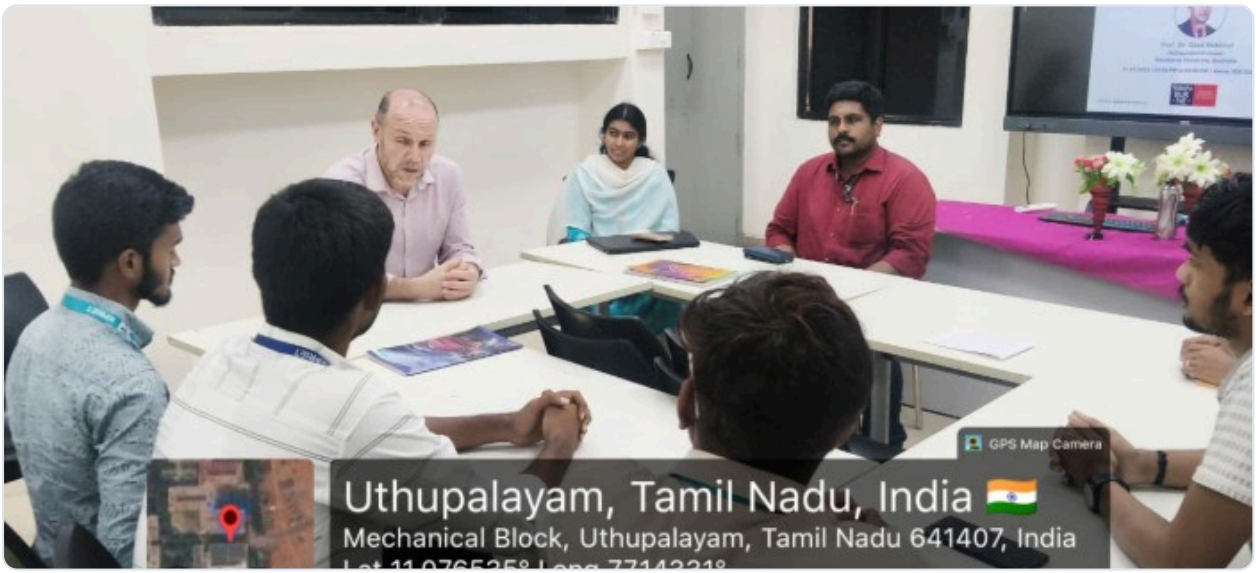
SOLAR PV - FROM INSTALLATION TO SAFETY

Date: 31-07-2026 | 02:00 PM to 03:00 PM **Venue:** EEE Classroom/On Campus

Attendance: 40 Participants

Resource person: Prof. Dr. Saad Mekhilef,Distinguished Professor,Swinburne University, Australia.

A seminar on “Solar PV System – Installation, Maintenance and Safety Procedures” was conducted to enhance students’ understanding of solar photovoltaic technology and its practical applications. The session covered the working principles of PV systems, major components, installation procedures, maintenance practices, and essential safety measures. Students gained practical insights into site assessment, module mounting, electrical wiring, inverter installation, battery integration, fault diagnosis, and preventive maintenance. The seminar also emphasized electrical isolation, grounding, PPE, and fire safety. Through interactive discussions and real-world case studies, participants connected theoretical concepts with industry practices. The programme enhanced awareness of renewable energy technologies and motivated students to explore careers, certifications, and research opportunities in solar PV systems.



SDG 4 · Quality Education

PEER CONNECT ON THE EMBEDDED BLUEPRINT

Date: 30-07-2026 | 01:45 PM to 02:35 PM **Venue:** II EE Classroom

Attendance: 61 Participants

A Peer Connect on Embedded Systems was organized by the Department of Electrical and Electronics Engineering for II Year EEE students. The session was conducted by a III Year EEE student to promote peer-to-peer learning and strengthen students' technical fundamentals. The session covered embedded systems, microcontrollers, embedded hardware and software, real-time applications, and an introduction to Linux-based embedded applications. Practical examples and demonstrations helped participants understand the concepts effectively. Students actively participated in discussions, raised questions, and explored real-world applications. The programme enhanced their technical knowledge, confidence, and collaborative learning skills. Participants appreciated the initiative and expressed interest in attending more peer learning sessions on embedded systems and emerging technologies.



SDG 4 · Quality Education

SPECTRAX 2.0 - A NATIONAL LEVEL PROJECT EXPO

Date: 14-08-2026 | 09:00 AM to 04:00 PM **Venue:** Thanam Hall/On Campus

Attendance: 280 Participants

SpectraX 2.0, a National Level Project Expo, was organized by the IEEE KPRIET Industrial Electronics Society on 14 August 2026 to provide a platform for students to showcase innovative ideas through project demonstrations. The event featured Software and Hardware presentation tracks and attracted 280 participants. Student coordinators and IEEE faculty advisors guided the smooth conduct and technical evaluation of the expo. Participants gained practical experience in coding, circuit integration, system design, troubleshooting, and technical presentation. Students effectively demonstrated their projects and explained their design approaches and real-world applications to the evaluation panel. The event concluded with an award ceremony, where a ₹11,000 prize pool was distributed among the top three teams in both Hardware and Software categories.



SDG 4 · Quality Education

CELESTIA 2026

Date: 07-08-2026 | 09:00 AM to 04:00 PM **Venue:** Thanam Hall/On Campus

Attendance: 414 Participants

CELESTIA ’26 was a technical event organized by the IEEE KPRIET Power Electronics Society in association with the Department of Electrical and Electronics Engineering on 7 August 2026. The event featured engaging activities including Paper Presentation, Circuit Debugging, and Escape Room, providing participants with opportunities to demonstrate their technical knowledge and practical abilities. The programme encouraged students to apply engineering concepts, analyze technical problems, and develop effective solutions through hands-on challenges. Participants also strengthened their problem-solving, teamwork, communication, and critical-thinking skills through the various activities. With around 400 external participants expected, the event provided a vibrant platform for technical interaction, knowledge sharing, collaboration, and competitive learning among aspiring engineers.



SDG 4 · Quality Education

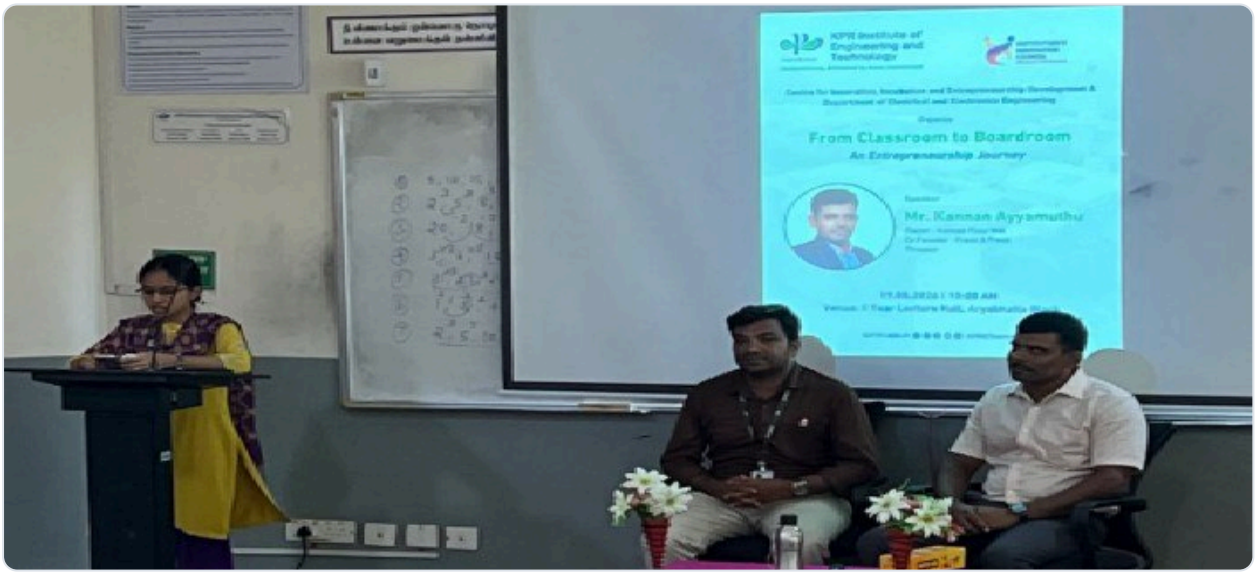
FROM CLASSROOM TO BOARDROOM – AN ENTREPRENEURSHIP JOURNEY

Date: 19-08-2026 | 10:00 AM to 12:00 PM **Venue:** IV EE Classroom

Attendance: 52 Participants

Resource person: Kannan Ayyamuthu,Co Founder,Fresh & Fresh.

“From Classroom to Boardroom – An Entrepreneurship Journey” was an interactive seminar organized by the Centre for Innovation, Incubation and Entrepreneurship Development (CIIED) in association with the Department of Electrical and Electronics Engineering. The session was conducted on 19 August 2026 from 10:00 a.m. to 12:00 p.m. for 50 students. The session was delivered by Mr. Kannan Ayyamuthu, Owner of Kannan Flour Mill and Co-Founder of Fresh & Fresh, Tiruppur. He shared his entrepreneurial journey, real-world experiences, challenges, and strategies for identifying and utilizing business opportunities. Students gained insights into entrepreneurship as a career option and developed a better understanding of innovation, business development, and leadership. The session motivated students to explore entrepreneurial opportunities and develop an entrepreneurial mindset.



SDG 8 · Decent Work and Economic Growth

DESIGNATHON - DESIGN USING SOLIDWORKS AND FUSION 360

Date: 03-09-2026 | 09:00 AM to 04:30 PM **Venue:** EKKI Lab/On Campus

Attendance: 30 Participants

“Design-A-Thon” was organized by the International Water Technology Centre in collaboration with EKKI Water Technologies on 3 September 2026 for external participants. The techno-design challenge provided students with hands-on experience in 3D modelling and product design using SolidWorks and Fusion 360. Participants were given pump component dimensions and were required to create accurate 3D models and assemble them into a complete functional pump. The challenge enhanced their skills in interpreting technical drawings and datasheets, CAD modelling, product assembly, design thinking, creativity, and problem-solving. The programme also encouraged teamwork, time management, and competitive learning while strengthening industry–academia interaction and bridging the gap between academic knowledge and industrial product design practices.



SDG 4 · Quality Education

HANDS ON TRAINING ON MOTOR DESIGN USING SOFTWARE TOOLS

Date: 11-09-2026 | 09:00 AM to 04:30 PM **Venue:** EKKI Lab/On Campus

Attendance: 32 Participants

Resource person: Mr. C. J. Vignesh,Assistant Professor II/EEE, KPRIET, Coimbatore, AICTE–Industry Fellowship – Garuda Aerospace,Garuda Aerospace

A Hands-on Training on “Motor Design using Software Tools” was conducted on 11 September 2026 at EIWTC, KPRIET, in collaboration with EKKI–KPRIET International Water Technology Centre. The session was delivered by Mr. C. J. Vignesh, Assistant Professor II/EEE, KPRIET, and Dr. N. Vinoth Kumar, Associate Professor/EEE, Kumaraguru College of Technology, both associated with the AICTE–Industry Fellowship – Garuda Aerospace. Participants gained practical exposure to motor and pump design software, 3D design conversion, motor assembly, and testing. A live demonstration of pump and motor assembly provided industry-oriented insights. The programme successfully bridged theoretical learning with industrial practices while enhancing students’ technical knowledge, software skills, and understanding of the complete design-to-assembly process.



SDG 4 · Quality Education

EEE FRONTIERS – DISTINGUISHED LECTURE SERIES

Date: 24-09-2026 | 11:00 AM to 01:00 PM **Venue:** Thanam Hall/On Campus

Attendance: 88 Participants

Resource person: Dr. C. Bharatiraja,Professor & Centre Head,Professor & Centre Head.

The EEE FRONTIERS – Distinguished Lecture Series was successfully organized by the Department of Electrical and Electronics Engineering, KPRIET, on 24 September 2026. The expert lecture titled “Electric Mobility 2030: Emerging Technologies, Research Trends, Skills and Career Opportunities” was delivered by Dr. C. Bharatiraja, Centre Head – Centre for Electric Mobility (CEM) and Professor, SRM Institute of Science and Technology. The session provided valuable insights into emerging EV technologies, research trends, industry requirements, skill development, and career opportunities. Participants gained awareness of electric mobility, smart charging, energy storage, power electronics, and interdisciplinary research. The interaction encouraged students to explore higher studies, research, innovation, and career opportunities in the rapidly evolving electric mobility sector.



SDG 4 · Quality Education SDG 7 · Affordable and Clean Energy

SDG 8 · Decent Work and Economic Growth SDG 9 · Industry, Innovation and Infrastructure

SDG 11 · Sustainable Cities and Communities

SDG 12 · Responsible Consumption and Production SDG 13 · Climate Action

STEM DISCOVERY CAMP/2026-27/ODD/030

Date: 11-09-2026 | 01:30 PM to 04:00 PM

Venue: Government Boys Higher Secondary School, Sulut/Off Campus

Attendance: 50 Participants

Resource person: Dr.J.Indra, Professor & Head-EE , KPRIET.

The IEEE Circuits and Systems Society (CASS) conducted a STEM Discovery Camp featuring a hands-on workshop for government school students. The programme aimed to create interest in Science, Technology, Engineering, and Mathematics through practical and activity-based learning. Students actively participated in the hands-on sessions and gained valuable exposure to STEM concepts, enhancing their curiosity, creativity, and practical understanding. The workshop provided an engaging learning experience and encouraged students to explore technology and scientific applications beyond the classroom. As a meaningful extension of the programme, 8 STEM kits were donated to the school after the session. The initiative was fully funded by the IEEE CASS Society and contributed to promoting STEM education among school students.



SDG 4 · Quality Education

EXPERT TALK ON SMART ENERGY METERS AND EMBEDDED DATA ACQUISITION FOR SUSTAINABLE POWER MANAGEMENT

Date: 05-10-2026 | 01:00 PM to 03:00 PM **Venue:** EEE Board Room/On Campus

Attendance: 21 Participants

Resource person: Dr Chandrika V S,Professor,K P R Institute of Engineering and Technology

A lecture on “Smart Energy Meters and Embedded Data Acquisition for Sustainable Power Management” was conducted on 5 October 2026 from 2:00 p.m. to 4:00 p.m. at the EEE Board Room, KPRIET. The session was delivered by Dr. V. S. Chandrika, Professor/EEE, who provided insights into smart energy metering, embedded data acquisition, real-time energy monitoring, and sustainable power management. Participants gained practical understanding of energy measurement, data-driven energy management, and intelligent power systems. The interactive session also highlighted IoT-enabled energy monitoring, smart grids, and emerging research opportunities. The programme successfully bridged theoretical concepts with practical applications and motivated students to explore projects and research in smart energy management



SDG 4 · Quality Education

FROM MICROCONTROLLERS TO SMART FACTORIES: INDUSTRY 4.0 IN ACTION

Date: 05-10-2026 | 11:00 AM to 01:00 PM **Venue:** III Year EEE/On Campus

Attendance: 75 Participants

Resource person: Mr Yogeshwaran Muralidharan,Founder and Director,YM Automation Pvt Ltd, Coimbatore.

The Centre for Research and Development, KPRIET, organized an expert talk titled “From Microcontrollers to Smart Factories: Industry 4.0 in Action” on 5 October 2026 from 11:00 a.m. to 1:00 p.m. at the III Year EEE Lecture Hall, Bhaskara Block. The session was delivered by Mr. Yogeswaran Muralidharan, Managing Director, YM Automation Private Limited, Coimbatore. The talk explained the evolution of microcontroller-based control and embedded systems into the automation backbone of modern smart factories. A total of 74 students and 1 faculty member participated. The session provided exposure to Industry 4.0 concepts, industrial automation practices, and real-world applications, helping students connect classroom learning with current industry requirements.



SDG 4 · Quality Education

INDUSTRIAL AUTOMATION AND PLC PRACTICAL EXPOSURE VISIT

Date: 07-10-2026 | 10:00 AM to 11:00 AM

Venue: Industrial sensing, control and automation lab/On Campus **Attendance:** 30 Participants

Resource person: Dr.B.KARTHIKEYAN,Associate Professor,KPR Institute of Engineering and Technology.

An Industrial Automation and PLC Practical Exposure Visit was conducted on 7 October 2026 from 10:00 a.m. to 11:00 a.m. at the Industrial Sensing, Control and Automation facility for EEE students. The session introduced students to the fundamentals of Programmable Logic Controllers (PLC), industrial control systems, sensors, actuators, and automation applications. Practical demonstrations provided hands-on exposure to PLC programming, control logic, and industrial automation processes. Students gained an understanding of the integration of electrical systems, control engineering, instrumentation, and automation technologies in real-world applications. The programme also promoted interdisciplinary learning between EEE and Mechatronics Engineering, enhancing students' practical knowledge and awareness of modern industrial automation technologies.



SDG 4 · Quality Education SDG 12 · Responsible Consumption and Production

CONNECTED AUTONOMOUS VEHICLES: ENABLING INTELLIGENT MOBILITY

Date: 07-10-2026 | 10:00 AM to 12:00 PM **Venue:** EEE boardroom/On Campus

Attendance: 20 Participants

Resource person: Dr Satheesh kumar G S,Assistant Professor III,KPRIET.

An expert lecture on “Connected Autonomous Vehicles: Enabling Intelligent Mobility” was conducted by the Department of Electrical and Electronics Engineering, KPRIET, on 7 October 2026 from 10:00 a.m. to 12:00 noon at the EEE Board Room. The session was delivered by Dr. G. Satheesh Kumar, Assistant Professor III, and focused on connected vehicle technologies and intelligent mobility. Students gained insights into V2V, V2C, Wi-Fi, BLE, LoRa, MQTT, and CoAP communication technologies used in connected autonomous vehicles. A total of 18 students and 2 faculty members participated. The interactive lecture enhanced students’ technical knowledge, awareness of emerging trends, and understanding of future opportunities in connected and autonomous mobility.



SDG 4 · Quality Education SDG 9 · Industry, Innovation and Infrastructure

REAL WORD SIGNALS TO DIGITAL INSIGHTS: DESIGNINGEFFICIENT DATA CONVERSION SYSTEM

Date: 07-10-2026 | 12:00 PM to 01:00 PM **Venue:** II EEE Class room/On Campus

Attendance: 72 Participants

An expert lecture on “Real-World Signals to Digital Insights: Designing Efficient Data Conversion Systems” was organized by the Department of Electrical and Electronics Engineering, KPRIET, on 7 October 2026 for II EEE students. The session was delivered by Mr. V. Kamalkumar, Assistant Professor-II/EEE, and focused on the fundamentals and practical applications of data conversion systems. Students gained insights into ADC, DAC, signal acquisition, sampling, quantization, resolution, accuracy, and efficient data conversion techniques. A total of 71 students and 1 faculty member participated. The interactive session helped students connect theoretical concepts with applications in instrumentation, embedded systems, industrial automation, sensors, and digital signal processing, enhancing their technical understanding and industry awareness.



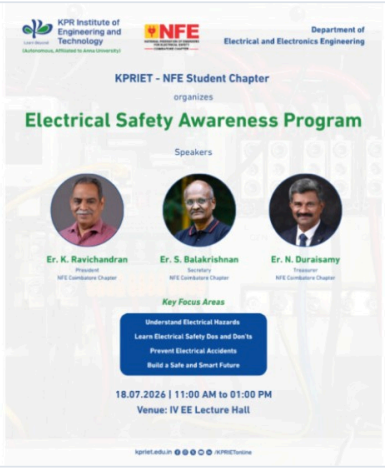
SDG 4 · Quality Education

ELECTRICAL SAFETY AWARENESS PROGRAM

Date: 18-07-2026 | 11:00 AM to 01:00 PM **Venue:** IV EEE Classroom

Resource person: Er.K.Ravichandran , President ,NFE Coimbatore,Er.S.Balakrishnan ,Secetary ,NFE Coimbatore,Er.N.Duraisamy ,Treasurer, NFE Coimbatore.

An Electrical Safety Awareness Program was organized by the Department of Electrical and Electronics Engineering in association with the National Federation of Engineers (NFE), an MoU partner of the institution, on 18 July 2026 from 11:00 a.m. to 1:00 p.m. The programme aimed to enhance students' awareness of electrical hazards, safe handling of equipment, accident prevention, and emergency response procedures. Industry experts from NFE shared practical insights through real-time case studies, safety practices, relevant standards, and PPE requirements. Participants gained knowledge of electrical risk assessment, Lockout/Tagout (LOTO), shock prevention, fire safety, and safe maintenance practices. The programme effectively connected academic learning with industrial safety requirements and promoted a strong safety culture among students.



SDG 4 · Quality Education

INDUSTRIAL POWER QUALITY & SAFE ELECTRICAL PRACTICES

Date: 18-07-2026 | 12:00 PM to 01:00 PM **Venue:** III EE/On Campus

Resource person: Er.K.Ravichandran,President,NFE Coimbatore.

An Industrial Power Quality & Safe Electrical Practices programme was organized to provide students with practical insights into electrical safety and power quality challenges in industrial environments. The session was delivered by experts from Foretec Electric and focused on bridging the gap between academic learning and industry requirements. Participants gained awareness of electrical hazards, safety standards, harmonics, voltage disturbances, earthing, electrical protection, arc-flash safety, and relevant IEEE/IEC standards. Real-world industrial case studies and discussions helped students understand power quality measurement techniques and mitigation strategies. The programme enhanced students' technical knowledge, safety awareness, and professional competence, preparing them to contribute to the safe, reliable, and efficient operation of electrical systems.



SDG 4 · Quality Education

ASSOCIATION INAUGURATION TECHNOWAAT'26

Date: 23-07-2026 | 11:00 AM to 01:00 PM **Venue:** Thanam/On Campus

Resource person: Er.E.Mohan Kumar ,Assistant Lead Engineer, Vetas India Private Limited.

The Department of Electrical and Electronics Engineering, KPRIET, inaugurated its Students' Association "Technowatt'26" on 23 July 2026 from 11:00 a.m. to 1:00 p.m. The association aims to provide students with opportunities to enhance technical knowledge, leadership, innovation, teamwork, and professional skills through academic and industry-oriented activities. The inaugural function was graced by Er. E. Mohan Kumar, Alumnus (2016–2020 Batch) and Assistant Lead Engineer – Grid Interconnection, Vestas India Pvt. Ltd., Chennai, who shared his professional journey and insights into renewable energy, power systems, grid integration, and career opportunities. The inauguration marked the launch of Technowatt'26 activities for 2026–27, fostering industry exposure and professional development among students.

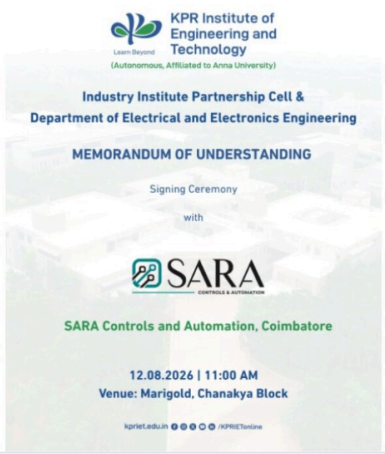


SDG 4 · Quality Education SDG 7 · Affordable and Clean Energy

MOU SIGNING WITH SARA

Date: 12-08-2026 | 11:00 AM to 12:00 PM **Venue:** Marigold/On Campus

The Department of Electrical and Electronics Engineering, KPRIET, entered into a Memorandum of Understanding (MoU) with SARA Controls and Automation, Coimbatore, on 12 August 2026 from 11:00 a.m. to 12:00 noon at Marigold. The collaboration aims to strengthen industry–institute interaction and enhance students' practical exposure to industrial automation technologies. SARA Controls and Automation specializes in PLC, SCADA, HMI, VFD, DCS, IoT/IIoT, and automation solutions. Through the MoU, students and faculty are expected to benefit from hands-on training, workshops, internships, industrial visits, technical sessions, project guidance, and skill-development programmes. The collaboration will bridge the gap between academic learning and industrial practices while enhancing technical competency, project development skills, and industry readiness.



SDG 4 · Quality Education

SDG 9 · Industry, Innovation and Infrastructure

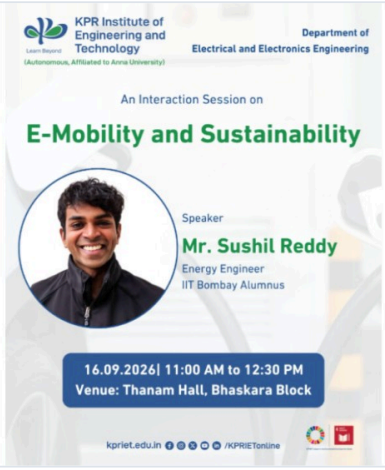
SDG 17 · Partnerships for the Goals

E-MOBILITY AND SUSTAINABILITY

Date: 16-09-2026 | 09:30 AM to 12:30 PM **Venue:** Thanam Hall/On Campus

Resource person: Mr. Sushil Reddy, Energy Engineer ,IIT Bombay alumnus.

The Department of Electrical and Electronics Engineering, KPRIET, organized a Student Interaction Session on “E-Mobility and Sustainability” on 16 September 2026 from 9:30 a.m. to 12:30 p.m. at Thanam Hall as part of its SDG activities. The session was delivered by Mr. Sushil Reddy, Energy Engineer and IIT Bombay alumnus. The interaction focused on sustainable mobility, electric vehicles, clean energy, and the role of engineering in developing sustainable transportation solutions. Students gained practical insights into emerging e-mobility technologies and the importance of sustainable energy practices. The programme encouraged students to explore innovative solutions and contribute towards cleaner transportation, sustainable cities, energy efficiency, and climate action.



SDG 7 · Affordable and Clean Energy

SDG 9 · Industry, Innovation and Infrastructure

SDG 11 · Sustainable Cities and Communities

SDG 13 · Climate Action

POWER CONNECT 2026

Date: 25-09-2026 | 10:00 AM to 04:00 PM **Venue:** Thanam Hall/On Campus

Resource person: Er. D. Senthil Kumar, Managing Director ,ECI Systems Pvt. Ltd, Er. Barathan Kuppusamy , Founder & Managing Director, Ozotec Automobile Pvt. Ltd, Mr. D. Suresh Kumar ,HR Manager, CRI Pumps,Mr. S. Imthiyas ,Senior Manager – Special Projects, EKKI Pumps,Dr. I. Esther , Advisor, Learning & System Development , Windplus Pvt. Ltd,Er. A.S. Isverya, Assistant Manager ,Windplus Pvt. Ltd,Er. S. Jeevanantham , Production Manager , RDX Digital Technologies.

The Department of Electrical and Electronics Engineering, KPRIET, in association with the Industry Institute Partnership Cell (IIPC), organized “Power Connect 2026 – Industry–Academia Conclave” on 25 September 2026 from 10:00 a.m. to 4:00 p.m. at Thanam Hall, Bhaskara Block. With the theme “Where Classrooms Meet Control Rooms – Bridging Knowledge and Industry for a Powered Future,” the conclave brought together industry professionals, students, and faculty members. Representatives from ECI Systems Pvt. Ltd., Ozotec Automobile Pvt. Ltd., CRI Pumps, EKKI Pumps, Windplus Pvt. Ltd., and RDX Digital Technologies shared insights on emerging technologies, industry expectations, career opportunities, and professional competencies. The event strengthened academia–industry interaction and highlighted opportunities for internships, projects, training, and collaborative initiatives



SDG 4 · Quality Education

ARM PROCESSORS - EXCEPTION AND INTERRUPT HANDLING

Date: 06-10-2026 | 10:00 AM to 11:30 AM **Venue:** EEE Board Room/On Campus

Resource person: Maheswari P , Assistant Professor -II ,KPRIET.

A guest lecture on “ARM Processors – Exception and Interrupt Handling” was organized by the Department of Electrical and Electronics Engineering, KPRIET, on 6 October 2026 from 10:00 a.m. to 11:30 a.m. at the EEE Board Room. The session was delivered by Ms. P. Maheswari, Assistant Professor-II/EEE, and focused on the mechanisms through which ARM processors detect, prioritize, and respond to exceptions and interrupts. Students gained a better understanding of exception handling, interrupt processing, and their significance in embedded systems and real-time applications. The session strengthened students’ knowledge of ARM processor architecture and its practical relevance in embedded system design, contributing to their technical competency and industry readiness.



SDG 4 · Quality Education SDG 9 · Industry, Innovation and Infrastructure

HARDWARE MODELLING USING VERILOG

Date: 07-10-2026 | 02:00 PM to 04:00 PM **Venue:** II EEE Classroom/On Campus

Resource person: Dr. Baranilingesan I ,Assistant Professor-III ,KPRIET.

An expert lecture on “Hardware Modelling Using Verilog” was conducted on 7 October 2026 from 2:00 p.m. to 4:00 p.m. at the II EEE Classroom. The session introduced students to Verilog Hardware Description Language (HDL), digital circuit modelling, simulation, and verification techniques. Participants gained practical insights into designing and modelling combinational and sequential digital circuits using Verilog. The lecture also highlighted the applications of Verilog in FPGA, ASIC, and VLSI design, helping students understand its relevance in modern digital system development. The programme enhanced students’ knowledge of hardware description and simulation and provided valuable exposure to industry-relevant digital design practices and emerging opportunities in VLSI and embedded hardware development.



SDG 4 · Quality Education SDG 9 · Industry, Innovation and Infrastructure

MODERN POWER SYSTEM DESIGN AND ANALYSIS – AN INDUSTRIAL PERSPECTIVE

Date: 08-10-2026 | 11:00 AM to 01:00 PM **Venue:** Thanam Hall/On Campus

Resource person: Mr.A.Saravanan , Senior Technical Consultant , ABB Bangalore.

An expert talk on “Modern Power System Design and Analysis – An Industrial Perspective” was organized by the Department of Electrical and Electronics Engineering in association with the Industry Institute Partnership Cell (IIPC), KPRIET, on 8 October 2026 from 11:00 a.m. to 1:00 p.m. at Thanam Hall, Bhaskara Block. The session was delivered by Mr. A. Saravanan, Senior Technical Consultant, ABB India Limited, Bengaluru. The programme provided students with valuable insights into modern power system design, analysis, industry practices, emerging technologies, and real-world engineering challenges. The expert interaction helped students connect classroom concepts with practical applications and understand industry expectations, enhancing their technical knowledge, professional awareness, and readiness for careers in the power sector.



SDG 4 · Quality Education SDG 7 · Affordable and Clean Energy

SDG 9 · Industry, Innovation and Infrastructure

IGNITING INNOVATION: DEVELOPING A FUTURE READY MINDSET IN THE AI ERA

Date: 10-10-2026 | 09:00 AM to 11:00 AM

Resource person: Dr. Sathya Thangavel ,Assistant Professor, ICFAI Business School, Prof. Surjyabrat Buragohain ,HR, ICFAI Business School.

A Placement Training Session on “Igniting Innovation: Developing a Future-Ready Mindset in the AI Era” was organized by the Centre for Innovation, Incubation and Entrepreneurship Development (CIIED) in association with the Department of Electrical and Electronics Engineering, KPRIET, on 10 October 2026 from 9:00 a.m. to 11:00 a.m. at Thanam Hall, Bhaskara Block. The session was delivered by Dr. Sathya Thangavel, Assistant Professor, Department of Soft Skills and Communication, and Prof. Surjyabrat Buragohain, Professor, Human Resources, ICFAI Business School, Bengaluru. The programme focused on developing an innovation mindset, communication and employability skills, adaptability, and career readiness. The session helped students prepare for campus placements and the transition from academics to the AI-driven corporate environment.



SDG 4 · Quality Education

SDG 9 · Industry, Innovation and Infrastructure

PATHFINDING MADE SIMPLE:DIJKSTRA'S ALGORITHM

Date: 08-10-2026 | 02:00 AM to 04:00 AM **Venue:** II EEE Classroom/On Campus

Resource person: Dr.V.S.Chandrika,Professor,KPRIET.

The session "Pathfinding Made Simple: Dijkstra's Algorithm" was conducted on 8 October 2026 for II EEE students at KPRIET by Dr. V. S. Chandrika, Professor. The session introduced Dijkstra's Algorithm and its role in finding the shortest path between nodes in a graph. Students gained an understanding of its practical applications in network routing, navigation systems, and efficient pathfinding.



SDG 4 · Quality Education

Faculty: Publications and Recognitions

Revathi S., Mohanasundaram K., Naveen P., "Hybrid deep learning model for multimodal vocal and lung signal analysis in health monitoring", Scientific Reports, Volume 16, Jul 2026

Suri D., Divya B., Singh T., Acharjee P.B., Christina R., Ravi Kumar P., "Fraud Detection in Online Assessments Using a Hybrid NLP-Ensemble Learning Framework for Secure and Reliable Evaluation Systems", Proceedings - 2026 International Conference on Innovations in Computational Intelligence, ICICI 2026, Jul 2026

Nataraj G., Mohanasundaram K., Babu S.R., "Perception Technologies for Disaster Situations", Integrating AI for Sustainable Disaster Management: Building Resilience and Preventing Catastrophes, Page 301 - 314, Jul 2026

Sevugan Rajesh J, Revathi R, Karthikeyan R, Rajnarayanan P N, “IOT-Enabled Real-Time Monitoring and Predictive Maintenance of PV-FED BLDC Irrigation Water Pumping Systems”, International Journal of Computational Intelligence Systems, Springer Nature, Volume 19, Article No. 244, Jul 2026

Kumar V.R., Muralitharan D., Ravindran S., Thiruselvan P., Mahesh K., Elaiyaraja P., “Fault Classification in Transmission Lines Using a Hybrid CNN-LSTM Model With Aquila Optimization”, 2026 International Conference on Recent Advancement in Electrical, Computer and Communication Technologies, IECCT 2026, Jul 2026

Dinesh Chellappan ., Rajaguru H., “Wigner Ville Distribution as Feature Extraction with Bio-inspired Feature Selection for Improved Diabetes Classification”, APSCON 2026 - 2026 IEEE Applied Sensing Conference, Proceedings, Jul 2026

Sathish Kumar D., Vanitha U., Saravanan G., Ramya G., “Integrating Artificial Intelligence (AI) and IoT Technologies in Smart Wind Farms: Leveraging Predictive Maintenance and Performance Optimization”, AI and Wind Power 1: A Multifaceted Approach to Sustainable Energy, Page 245 - 270, Jul 2026

Pazhanimuthu C., Jishnu G., Saran K.N., Parameswaran S., “Machine Learning-based Predictive Maintenance for Utility-Scale PV Plants”, 7th International Conference on Inventive Research in Computing Applications, ICIRCA 2026 - Proceedings, Aug 2026

R P.K., R S.R., R J., A.S S., “2-Aminopyridinium-based single crystals: a comprehensive review of synthesis, crystal engineering, physicochemical properties and photonic applications”, Chemical Papers, Aug 2026.

Hameed A.S., Munusamy S., Gokulapriyan R., “Aliphatic Side-Chain Engineering in Poly(2,6-dimethyl-1,4-phenylene Oxide) for Enhanced Physicochemical and Morphological Properties of Anion Exchange Membranes”, Langmuir : the ACS journal of surfaces and colloids, Volume 42, Aug 2026

Anita S., Somashekhar G.C., Lakshmi Khandan K., Sekar K., Ramesh Kumar C., Saravanan G., Dharmendra Kumar P., Veeramanikandan P., Qamar S., “Blockchain-enabled EV–renewable interaction using transformer forecasting and multi-agent learning”, Electric Power Systems Research, Volume 263, Aug 2026

Indumathi N., Kayalvizhi M., Renuka P., Ganga B., “SiO2-H2O/C2H6O2 Forced Convective Flow On a Flat Sheet Under Heat Dissipative MHD”, Springer Proceedings in Mathematics and Statistics, Volume 529 PROMS, Aug 2026

Sathish K.D., Lalitha B., Vanitha U., Rejina P.J., “AI-Powered Fake Account Detection on Social Media Using Machine Learning Techniques”, 3rd International Conference on Emerging Research in Computational Science, ICERCS 2025, Aug 2026

Muthukumar Murugesan and V. S. Chandrika published a research article titled “Performance Comparison of Synergistic Graphene and Alumina Nanocomposites in Glauber’s Salt and Paraffin PCMs” in the Journal of the Brazilian Society of Mechanical Sciences and Engineering on Jul 2026.

Muthukumar Murugesan, V. S. Chandrika, Ajithkumar Sitharaj, and Kalaivanan Karuppannan published a research article titled “Performance Enhancement of Solar Photovoltaic Panels Using a Nano-Enhanced Phase Change Material Composite Under Real-Time Conditions” in the Journal of Mechanical Science and Technology on Jul 2026.

Vijayakumar Arun, Kandasamy Saravanan, and Tharwin Kumar Ravikumar published a research article titled “Experimental Evaluation of Reduced-Component Nine-Level Switched Capacitor Boost Inverter with Self-Balancing Capacitors” on Aug 2026.

Balaji Viswanathan, Thoudam Basanta Singh, Maheswari Ellappan, Saravanakumar Sreedevi, Tharwin Kumar Ravikumar, and Ananda Babu Kancherla published a research article titled “AI-Enabled Routing in Solar-Powered EVs Using Coupled Inductor SEPIC Clamp Converter and Optimized MPPT Control” in the AUT Journal of Electrical Engineering on Aug 2026

Lalitha Balasubramanian, Muthukumar Murugesan, Ajithkumar Sitharaj, and Karthikeyan Rajendran published a research article titled “Thermal Constraints and Performance Degradation of Silicon Photovoltaics Under Diurnal Climatic Stress” in the Journal of Instrumentation on Sep 2026

C. J. Vignesh and N. P. Ananthamoorthy published a research article titled “Multi-Fidelity Optimisation and Experimental Validation of a 48 V Axial-Flux Permanent-Magnet Motor for Urban Electric Mobility” in COMPEL – The International Journal for Computation and Mathematics in Electrical and Electronic Engineering on Jul 2026.

I. Baranilingesan, Mallula Vijaya Krishna, Hareesh Sita, and E. Parimalasundar published a research article titled “Random Forest-Based Early Fault Detection and Classification in DC–DC Converters Using Multi-Sensor Electrical and Thermal Features” in the International Journal of Electrical and Electronics Research on Sep 2026.

G. S. Satheesh Kumar, Sanepalle Gopal Reddy, P. Jamuna, and K. Sakthidhasan published a research article titled “Effective Integration of Renewable Energy in Electric Mobility: A Novel Approach to EV Charging with Improved Quasi Z-Source Zeta Converter” in the Iranian Journal of Science and Technology, Transactions of Electrical Engineering on Oct 2026.

Cheepati K.R., Chandrika V.S., Muthukaruppasamy S., Kannan V.K., Arunraja A., Venkatapathi K., “Energy Efficiency Enhancement in Wind-Powered Pumping with TBRC MPPT Integration”, Proceedings - 6th International Conference on Smart Electronics and Communication (ICOSEC), Jul 2026.

Chandrika V.S., Punitha A., Sugirtha T., Renugadevi N., “NeuroSymbolic AI Framework for Interpretable STEM Tutoring Systems”, Proceedings - 2026 International Conference on Visual Analytics and Data Visualization (ICVADV), Jul 2026.

Sivaprasad G., Suraya S., Shekarappa G.S., Reddy C.K., Baranilingesan I., Kumar C.S., “Digital Twin and AI-Based Fault Diagnosis of Power Electronic Converters for Smart Grid Applications”, Proceedings - 2026 International Conference on Modern Sustainable Systems (CMSS), Aug 2026.

Karthikeyan R., Ganga M., Rohini J., Tharwin Kumar R., Anniegrazy A., Tamilselvi B., “A Bidirectional Dual RNN-Based Approach with Particle Swarm Optimization for Early Diagnosis and Prevention of Coronary Heart Disease”, Proceedings - 2026 International Conference on Natural Language Processing and Computer Vision (ICNPCV), Bangalore, India, Jul 2026.

Ganga M., Indumathi R., Vijayalakshmi A., Mukilan P., Gunasekar M., Tharwin Kumar R., “Optimizing Lung Cancer Detection with Fine-Grained DenseNet Classification”, Proceedings - 2026 International Conference on Natural Language Processing and Computer Vision (ICNPCV), Bangalore, India, Jul 2026.

Vigneshwaran M., Parameswaran S., Ramyadevi M., Saravanan G., “IoT-Based Load Control in Smart Home via Mobile App”, Advanced Transportation Systems in the Field of Engineering and Technology, Sep 2026.

Agaash V.S., Ahil Mozhi G.T., Keerthi Ragavendran S., Saravanan G., “Asset Tracking in Warehouse Using Blu-Fi Gateway”, Advanced Transportation Systems in the Field of Engineering and Technology Sep 2026

Baranilingesan I., Sakthi Priya C., Roshini U., Neha A.K., “Home-Based Wearable Technologies in Healthcare and Voice Assist for Stroke Patients”, Advanced Transportation Systems in the Field of Engineering and Technology, Sep 2026

Kuppusamy M.S., “Predicting Renewable Energy Using Artificial Intelligence”, Nova Publishers, Jul 2026.

Lalitha B., Ramya G., Deepa N., Ramaprabha R., “Strategic Energy Optimization in Edge Services Leverage 6G-Assisted IoT for Next-Generation Connectivity”, Apple Academic Press, Jul 2026.

Saravanan G., Pazhanimuthu C., Senthil Prakash P.N., Wilfred Blessing N.R., “Optimizing Engineering Systems: Differential Evolution Algorithm and Hybrid Approaches for PID Controller”, Wiley Online Library, Aug 2026.

Preethi S., Anbazhagan G., Kumar N.V., Vignesh C.J., Vijayalakshmi N., “Imaging Modalities in Osteochondral Tissue Engineering”, Springer Nature, Sep 2026.

Student Achievements

Student(s)	Class	Achievement	Organiser
Dharshini D	III Year	Junior District Meet	Nehru stadium meet
Dharshini D	III Year	Junior Districts Athletics Meet	Nehru Stadium SDAT
Haripriya S	III Year	55th state level basketball tournament	ABBC basketball club
Haripriya S	III Year	Basketball	Winrose basketball club
Haripriya S	III Year	Basketball	Senior state championship
Akileshwaran A	II Year	Inter Group Competition-2026	12 TN BATTALION NCC, SALEM
Akileshwaran A	II Year	TSC Inter Group Competition-2026	12 TN BATTALION NCC,SALEM
Akileshwaran A	II Year	ALL INDIA THAL SANIK CAMP-2026	DG NCC

Arunprasath M	II Year	NEXT GEN EXPO - AIVORA – 2K26	P.A. College of Engineering and Technology (PACET), Pollachi, Coimbatore.
Hari Narayanan S P	II Year	HACKIT HACKATHON	SRMUniversity
Harish M	II Year	Hackathon	SRM UNIVERSITY
Harish Maadhav R	II Year	Powvaz 2k26 2.0	PA College of Engineering And Technology
Priyadharshan S	II Year	ROBOCHIPX	RAJALAKSHMI INSTITUTE OFTECHNOLOGY
Rajasekar S	II Year	Savara"26	Indian Institute of Information Technology, Design and Manufacturing
Tharani A	II Year	Smart Farm Challenge – GDTA 2026	SNS College of technology
Zhira Shepherd	II Year	SPECTRAX 2.0.	KPRIET
Zhira Shepherd	II Year	Introduction to Industry 4.0 and Industrial Internet of Things	KPRIET
Zhira Shepherd	II Year	VSD AI Assisted Analog &Physical; Design	KPRIET
Sibanda Silethokuhle	II Year	YOUTH RED CROSS ESSAY WRITING	KPRIET
Sibanda Silethokuhle	II Year	PROJECT PRESENTATION	PA College ofEngineering and Technology
Wutete Tinashe	II Year	POWVAZ 2K26	PA College ofEngineering and Technology

Annamalai R	II Year	HACK IT HACKATHON	SRM UNIVERSITY

Placements

Roll No	Name of the Student	Company
23EE005	DARSHINI SHREE T	SCHNEIDER ELECTRIC
23EE060	SUPRIYA K	SCHNEIDER ELECTRIC
23EE003	BALAKRISHNAN N	ABB
23EE008	DHARSHINI C	ABB
23EE012	DIVYA C.S	ABB
23EE049	SANJAY RATHNAM K	HEXAWARE
23EE058	SRIKANTESHWARAN S	Hexaware
23EE066	VISHAAL L	BSH
24EEL02	DEEPAK R	BSH
24EEL03	GEETHAPRIYAN A	BSH
24EEL05	SHARVESH.S.P	BSH
23EE001	ABHIRAAMI SP	KONE
23EE002	ABINAYA A	Renault Nissan
23EE006	DEEPIKA R	KONE
23EE007	DEEPIKA SREE K	KONE
23EE015	JANANI R	Renault Nissan
23EE016	JAYAVARSHA KANNIKA M	Renault Nissan
23EE019	KANISHKAA R	KONE
23EE025	LOGESHWARI M	KONE

23EE033	MOVIKA P	KONE
23EE035	NANDANA A	Renault Nissan
23EE036	NETHRA V	KONE
23EE043	PREETHI K	Renault Nissan
23EE047	RUBINI. K. R	KONE
23EE048	SANDHIYA S	Renault Nissan
23EE052	SEBASTIN S	KONE
23EE056	SHREE DHARSHINI K	KONE
23EE069	YAZHINI K	KONE
23EE011	DHARUNKUMAR R	RDx Technologies
23EE014	IMMANUEL SHIJO M	Social Sphere

Industry Connect

04.07.2026

Hypres Foundries

Industrial visit to understand foundry operations, metal casting processes, and manufacturing practices.

23.07.2026

Ozotec

Industrial visit to explore electric vehicle technology, electric motors, and sustainable mobility solutions.



01.08.2026

ECI systems

Industrial visit to gain knowledge of industrial automation, electrical control systems, and engineering solutions.



02.09.2026

Ransar Industries II

Industrial visit to understand industrial manufacturing processes, electrical equipment, and production techniques.

01.08.2026

VC Green Energy

Industrial visit to learn about renewable energy technologies and sustainable power generation.

04.08.2026

MAHLE

Industrial visit to explore automotive components, electric mobility, and advanced manufacturing technologies.

04.08.2026

COPTECH Wier and Cable Pvt Ltd

Industrial visit to understand wire and cable manufacturing, insulation, and electrical testing.

04.08.2026

Hi Acme Automations India Pvt Ltd

Industrial visit to learn about industrial automation, control systems, and electrical instrumentation.

18.08.2026

Padmavahini Transformers

Industrial visit to understand transformer design, manufacturing, and testing procedures.

18.08.2026

BK Powers

Industrial visit to gain knowledge of electrical power systems, power equipment, and energy management.

19.08.2026

Aquasub Engineering

Industrial visit to learn about submersible pumps, water management systems, and motor manufacturing.

30.09.2026

CRI Pumps Private Limited

Industrial visit to explore pump and motor manufacturing, performance testing, and industrial applications.

24.08.2026

Codissia Electrotek 2026

Industrial exhibition visit to explore the latest electrical technologies, industrial innovations, and engineering products.

02.09.2026

EKKI HOMA

Industrial visit to understand pump engineering, water technology solutions, and advanced manufacturing practices.

18.08.2026

Padmavahini Transformers

Field visit to understand transformer manufacturing, design, and testing procedures.

18.08.2026

BK Powers

Field visit to explore electrical power systems, power equipment, and industrial applications.

17.09.2026

Digitoad Technologies Pvt Ltd Bangalore

Field visit to gain exposure to digital technologies, software solutions, and industry practices.

12.08.2026

Sara Automation and Control

MoU signed to strengthen industry–academia collaboration through industrial automation training, hands-on skill development, internships, and placement opportunities.

Consultancy

Date	Activity	Client	Faculty	Amount
August 2026	**Power Quality Measurement and IEEE 519-2022 Compliance Analysis** Technical service	Foretec Electric India Private Limited, Coimbatore	Dr. Mohamed Ibrahim A	₹ 65,018
August 2026	**Development of a Solar Plant Tool Management System** Technical service	Domoretech Consultancy Service Private Ltd., Coimbatore	Dr. K. Mohanasundaram	₹ 20,000
September 2026	**Hands on Training on Motor and Pump Design** Technical service	EKKI PUMPS	Dr. LALITHA B	₹ 12,440

TOTAL CONSULTANCY REVENUE THIS PERIOD ₹ 97,458

Students Corner

SANTHANA S II Year / EE

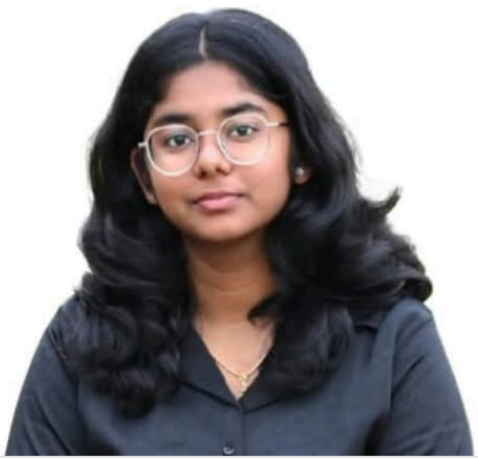
From Learning to Innovation: Exploring the World of Technology

From Learning to Innovation: Exploring the World of Technology

Technology offers students countless opportunities to transform their curiosity into practical skills. Through continuous learning and hands-on experience, students can strengthen their technical knowledge, develop problem-solving abilities, and prepare themselves for the challenges of a rapidly evolving digital world. Exploring programming, web development, and emerging technologies can help build a strong foundation for future innovation.give this content some more big

By combining academic learning with practical projects and professional development, students can discover new interests and expand their technical capabilities. A commitment to learning, creativity, and consistent improvement can open doors to future opportunities and help turn ideas into meaningful technological solutions.

Furthermore, engaging with emerging technologies and participating in innovation-driven activities helps students develop a forward-thinking mindset and prepare for the demands of the modern workforce. By collaborating with peers, learning from industry experts, and experimenting with new tools and techniques, students can enhance their technical competence and gain valuable insights into practical applications. Building a strong portfolio, earning professional certifications, and showcasing project outcomes can further strengthen their confidence and career readiness. As technology continues to evolve, the ability to learn continuously, adapt to change, and approach challenges creatively becomes increasingly important. By embracing these opportunities and maintaining a passion for exploration, students can transform their knowledge into impactful innovations, contribute to technological progress, and become responsible professionals capable of shaping the future through creativity, collaboration, and technological excellence.



Faculty Corner

DR.A.MOHAMED IBRAHIM Assistant Professor / EEE

Empowering the Next Generation of Electrical Engineers

Electrical and Electronics Engineering plays a vital role in shaping a sustainable, energy-efficient, and technologically advanced society. With the rapid development of renewable energy, smart grids, electric mobility, and industrial automation, the demand for skilled electrical engineers continues to grow. Engineering education must therefore combine strong theoretical foundations with practical experience, innovation, and problem-solving skills.

Our department encourages students to participate in technical projects, research activities, internships, and collaborative learning experiences that connect classroom knowledge with industrial requirements. By embracing emerging technologies, developing professional skills, and maintaining a commitment to lifelong learning, students can become responsible engineers and innovators. Together, we strive to prepare future professionals who will contribute meaningfully to technological progress and sustainable development.

In addition, the department places significant emphasis on fostering creativity, leadership, teamwork, and professional ethics among students. Through laboratory experiments, technical workshops, seminars, industry interactions, and hands-on training, students gain valuable exposure to real-world engineering practices and emerging technological advancements.





BEYOND LOOP

Learn Beyond.

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