

ESEC Campus Chronicle



Best Faculty Award

We are proud to announce that **Dr. Suresh** has been honored with the **17th Shri P. K. Das Memorial Best Faculty Award**, organized by the Nehru Group of Institutions, on **15 December 2025**.

This prestigious recognition stands as a testament to his unwavering dedication to teaching, academic excellence, and meaningful contributions to student development. Over the years, **Dr. Suresh** has consistently inspired learners through his commitment to quality education, innovative teaching practices, and mentorship that extends beyond the classroom.

On receiving the award, **Dr. Suresh** expressed his heartfelt gratitude to the **management, Principal, colleagues, and students** for their constant support, guidance, and encouragement, acknowledging that this honor reflects a shared journey of academic growth and collaboration.

The institution takes immense pride in this remarkable achievement and warmly congratulates **Dr. Suresh**. We wish him continued success and many more accolades in his academic and professional pursuits, as he continues to shape young minds and uphold the values of excellence in education.



Day 1 of the seminar commenced with an inaugural session, followed by expert talks highlighting the application of **Artificial Intelligence, Machine Learning, and Embedded Semiconductor Systems** in coastal monitoring, disaster forecasting, and sustainable coastal zone management.

The sessions provided valuable insights into emerging technologies and their real-time applications, benefiting faculty members, researchers, and students.

The seminar aims to promote interdisciplinary knowledge sharing and foster innovation in advanced technologies relevant to coastal and environmental challenges.

National Level Seminar

The Department of Electronics and Communication Engineering (ECE) successfully organized an **ANRF Sponsored Three-Day National Level Seminar** on the theme **"Revolutionary Roles of AI, ML, and Embedded Semiconductor Systems in Coastal Zone Management and Forecasting"**.



Faculty Achievement



Dr. R. M. Muthuraman, AP/AGRI, has successfully completed the AICTE-QIP Post Graduate Certificate Program on "Drone Technology" conducted at IIT Ropar, during the period July - December 2025.

This achievement reflects his commitment to continuous professional development and adoption of emerging technologies in the field of agriculture. The institution congratulates Dr. R. M. Muthuraman and wishes him continued success in his academic and research pursuits.

Faculty Development Programme (FDP) Participation Update



Attended a Faculty Development Programme (FDP) on "AI-Based Wearable Technologies and IoT for Precision Healthcare Applications", organized by the Department of Biomedical Engineering, Sri Shanmugha College of Engineering and Technology, Salem, Tamil Nadu.

The programme provided valuable insights into the integration of **Artificial Intelligence, wearable devices, and IoT technologies** for advanced and precision-driven healthcare solutions.

Go-to-Market Strategy for Startups



Arun Prakash R from the Incubation Centre, along with startup students, actively participated in the "Go-to-Market Strategy for Startups" event held at StartupTN's Regional Hub, Erode.

The session provided valuable insights into market entry strategies, customer validation, and scaling approaches, benefiting the participants in strengthening their startup initiatives and entrepreneurial skills.

NPTEL ACHIEVEMENTS

Mr. A. K. Karthikeyan, Assistant Professor (Agriculture), has been recognized as an NPTEL Discipline Star for his outstanding achievement and dedication to continuous learning and academic excellence.

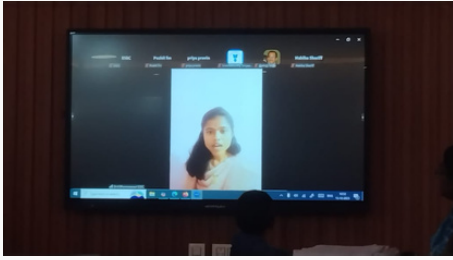
his recognition reflects his commitment to professional development and his efforts in enhancing teaching-learning practices through NPTEL courses. We congratulate him on this well-deserved honor and wish him continued success in his academic journey.

The Department of Electrical and Electronics Engineering has achieved commendable success in NPTEL certifications, reflecting the department's strong commitment to continuous learning and academic excellence.

- **Star Certificates:**
- A total of **4 faculty members** have received **7 NPTEL Star Certificates**, recognizing their consistent performance and dedication.
- **Faculty Course Completion:**
- **9 faculty members** have successfully completed NPTEL courses and earned a total of **27 certificates**.
- **Student Course Completion:**
- **Students of the department** have also shown active participation, securing a total of **81 NPTEL course completion certificates**.

These achievements highlight the enthusiastic involvement of both faculty and students in enhancing their knowledge through NPTEL and strengthening the academic culture of the Department of EEE.

Special Lecture on Psychological Insights in Pazhamozhi Naanooru



- Dr. V. Bhuvaneswari, Assistant Professor of Tamil, Department of Science & Humanities, participated as the Chief Guest and delivered a special lecture titled பழமொழிநானூற்றில் உளவியல் on 13.12.2025.
- The event was organized by the Life Literary Associations, Singapore, and was conducted through an online Zoom meeting. Her address highlighted the psychological insights embedded in PazhamozhiNaanooru and was well received by the participants.

Day 2 Chief Guest Lecture on AI, ML, and Embedded Systems for Coastal Zone Management

- The Department of Electronics and Communication Engineering (ECE) organized an ANRF Sponsored Three Days National Level Seminar titled "Revolutionary Roles of AI, ML, and Embedded Semiconductor Systems in Coastal Zone Management and Forecasting".
- Day 2 of the seminar featured Mr. Hariharan Kannan, System Engineer, Infosys BPM Limited, Bengaluru, as the Chief Guest. He delivered an insightful session highlighting the application of AI, Machine Learning, and Embedded Semiconductor Systems in effective coastal zone monitoring, prediction, and forecasting, emphasizing real-world industry perspectives. The session was highly informative and beneficial to the participants.



Dr. Arun Prasad Completes Doctorate

- The Management, Principal, faculty members, and staff are delighted to announce that Mr. Arun Prasad, Assistant Professor, Department of Civil Engineering, has successfully completed his Doctorate and will henceforth be known as Dr. Arun Prasad.



- This significant academic achievement reflects his dedication to research, teaching excellence, and professional growth in the field of Civil Engineering. His doctoral accomplishment will further strengthen the department's academic and research initiatives and serve as an inspiration to faculty members and students alike.
- The institution extends its heartfelt congratulations to Dr. Arun Prasad and wishes him continued success in his future academic and research endeavors.

ANRF Sponsored National Level Seminar – Day 3 Chief Guest Session

- The Department of Electronics and Communication Engineering (ECE) organized an ANRF Sponsored Three Days National Level Seminar titled "Revolutionary Roles of AI, ML, and Embedded Semiconductor Systems in Coastal Zone Management and Forecasting".
- On Day 3, the seminar featured Ms. M. Kiruthika, Technical Lead, SAN Technovation Pvt. Ltd., Coimbatore, as the Chief Guest. She delivered an insightful session focusing on the practical and industrial applications of AI, Machine Learning, and Embedded Semiconductor Systems, with special emphasis on their role in coastal zone monitoring, forecasting, and sustainable management.



- Her address provided valuable industry-oriented perspectives, bridging the gap between academic research and real-world implementation. The session was highly informative and beneficial to faculty members, research scholars, and students, marking a successful conclusion to the three-day national level seminar.

ANRF-Funded Seminar on Advanced Ergonomic Architecture



The Department of Mechanical Engineering is proud to announce that Dr. M. Vijay Anand and Dr. P. Thangavel have successfully received a research and academic grant of ₹1,60,000 from the Anusandhan National Research Foundation (ANRF) to organize a high-impact technical seminar.

The proposed seminar is titled "Multimodal XAI-Augmented Ergonomic Architecture for Musculoskeletal and Thermoregulatory Risk Assessment in Occupational Safety and Healthcare, featuring Wearable Sensing, Smart Personal Protective Equipment (PPE), and Fatigue Prognostics."

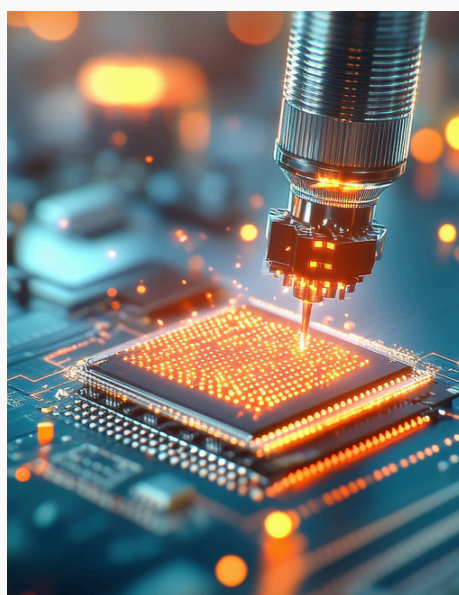
This seminar aims to bring together academicians, researchers, industry experts, healthcare professionals, and students to explore emerging interdisciplinary approaches in occupational safety and healthcare.

The focus will be on the integration of Explainable Artificial Intelligence (XAI) with multimodal wearable sensing technologies to assess and mitigate musculoskeletal disorders, thermal stress, and fatigue-related risks in demanding work environments.

The event will highlight cutting-edge developments in smart PPE, real-time physiological monitoring, ergonomic risk modeling, and predictive fatigue analysis to enhance workplace safety, productivity, and worker well-being. Through expert lectures and technical discussions, participants will gain insights into how intelligent ergonomic architectures can support data-driven decision-making in both industrial and healthcare settings.

The department congratulates Dr. M. Vijay Anand and Dr. P. Thangavel for securing this prestigious funding and for their continued efforts in promoting research excellence, innovation, and collaborative learning in the field of mechanical engineering and occupational safety.

ANRF-Funded Conference on Advanced Semiconductor Technologies



The institution is pleased to announce that Ms. R. Nithya, Assistant Professor, Department of Robotics & Automation (R&A), has successfully received a research grant of ₹1,50,000 from the Anusandhan National Research Foundation (ANRF) to organize a national-level conference titled "Advances in 3D Integrated FINFET and GAAFET Technologies for Smart Healthcare and Precision Agriculture."

The conference aims to provide a dynamic platform for academicians, researchers, industry professionals, and students to deliberate on recent advancements in next-generation semiconductor device technologies, particularly FINFET and Gate-All-Around FET (GAAFET) architectures. These technologies play a crucial role in achieving high performance, energy efficiency, and scalability in modern electronic systems.

Special emphasis will be placed on the applications of 3D integrated semiconductor devices in emerging domains such as smart healthcare systems and precision agriculture, where reliable sensing, low-power computation, and intelligent data processing are essential. The conference will explore how advanced transistor technologies enable innovative solutions for medical diagnostics, wearable healthcare devices, IoT-enabled agricultural monitoring, and sustainable farming practices.

Through expert talks, technical paper presentations, and interactive sessions, the event will foster knowledge sharing, interdisciplinary collaboration, and research-driven innovation.

The Department of Robotics & Automation congratulates Ms. R. Nithya on securing this prestigious ANRF funding and commends her commitment to advancing research and academic excellence in cutting-edge electronic and automation technologies.

ANRF-Funded Interdisciplinary Workshop

The institution is pleased to announce that Ms. M. Kowsalya and Mrs. R. Savitha, faculty members from the Departments of Computer Science & Engineering (CSE) and Electronics & Communication Engineering (ECE) respectively, have received a grant of ₹1,00,000 from the Anusandhan National Research Foundation (ANRF) to organize an interdisciplinary workshop.

The proposed workshop aims to enhance technical knowledge and practical skills among students, researchers, and faculty members by addressing emerging trends at the intersection of computing and electronics. The program will focus on contemporary tools, technologies, and applications relevant to industry and academic research, fostering innovation, collaboration, and hands-on learning.



Through expert lectures, technical sessions, and interactive demonstrations, the workshop is expected to provide participants with valuable exposure to current research directions and real-world applications.

The initiative reflects the institution's commitment to promoting research culture, interdisciplinary learning, and continuous professional development.

The management and faculty congratulate Ms. M. Kowsalya and Mrs. R. Savitha on securing this prestigious ANRF funding and appreciate their efforts in organizing a program that contributes to academic excellence and technological advancement.

Celebration of Energy Conservation Day – Awareness Program



The Department of Electrical and Electronics Engineering, ESEC, in association with Tamil Nadu Power Distribution Corporation Limited (TANGEDCO) and the Institution of Engineers (India), successfully organized an Energy Conservation Day – Awareness Program on 19 December 2025 at the ESEC Convention Centre.

The program was conducted with the objective of creating awareness among students and faculty members about the importance of energy conservation, sustainable energy usage, and efficient electrical practices for a greener future.



The event was graced by Tmt. M. Kalaiselvi, ME, MCA, Superintending Engineer (EEDC), TANGEDCO, Erode, as the Chief Guest. In her address, she emphasized the significance of energy efficiency, responsible power consumption, and the role of engineers in conserving energy resources for sustainable development.

The program featured keynote addresses by Thiru. P. Vasudevan, AMIE, Executive Engineer (EEDC), TANGEDCO, Perundurai, and Thiru. Siva Subramanian, BE, FIE, Retired Executive Engineer and Chartered Electrical Engineer. The speakers shared valuable insights on power distribution systems, energy management practices, and real-time challenges faced in the electrical sector.

The session was highly informative and interactive, benefiting students, faculty members, and participants by enhancing their understanding of energy conservation principles and practical applications. The program concluded successfully with active participation and enthusiastic engagement from the audience.

The Department extends its sincere gratitude to the management, resource persons, and organizing team for their support in making the event a meaningful and impactful initiative.

MOTIVATION CORNER

Success is not final; failure is not fatal: It is the courage to continue that counts.

- Winston Churchill

Stay Tuned for More Updates



Managing Editor:
Sajitha L.S

Associate Editor:
Lohambiha M

Graphic Designer:
Sham M - II Year AI&DS