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Erode Sengunthar Engineering College,
(AUTONOMOUS) Perundurai, Erode - 638 057.



ESEC Campus Chronicle



Faculty and Students Explore Innovations at Drone Expo 2026



Mr. S. Manikandan, AP/R&A, and Mr. S. Suresh, ASP/Mechanical, along with three students from the **Department of Robotics and Automation,** visited the **Drone Expo 2026** held at the Bengaluru International Exhibition Centre.

The visit provided an excellent opportunity to explore the latest advancements in drone technology. The team observed innovative solutions and indigenous components developed in India, gaining valuable insights into emerging trends and applications in the drone industry.

Faculty Achievements in NPTEL Examination (Jan–Feb 2026)



We are delighted to announce that the following faculty members from the Department of Mechanical Engineering have successfully completed the NPTEL Examination (January–February 2026) with Elite Grade, showcasing their dedication to continuous learning and academic excellence:

- Mr. V. P. Krishnamurthy
- Dr. M. Vijayanand
- Dr. J. Manivannan
- Mr. P. Chokkalingam
- Mr. N. S. Mohan
- Mr. J. Parthiban
- Mr. C. Chelladurai
- Dr. S. Navaneethakrishnan

This remarkable achievement reflects their commitment to enhancing their knowledge and staying updated with the latest advancements in their field. Their success serves as an inspiration to both students and fellow faculty members, reinforcing the importance of lifelong learning and professional development.

Robotics Team Shines at ROBO-RUMBLE Royale War Competition



We are proud to announce that our first-year Robotics students, Balaji and Kalaitamil, achieved remarkable success at the "ROBO-RUMBLE ROYALE WAR COMPETITION" held on 17th April at New Prince Shri Bhavani College of Engineering & Technology.

Competing against talented teams from various institutions, they demonstrated exceptional technical skills, creativity, and teamwork. Their outstanding performance earned them the Best Performance Award, bringing great pride to our institution.

New Frontiers Magazine – Exploring the Edge of Biotechnology



We are delighted to present our **Biotechnology Students' Magazine – New Frontiers: Exploring the Edge of Biotechnology**, a vibrant blend of science, creativity, and innovation.

This magazine serves as a dynamic platform for students to showcase not only their knowledge and insights in biotechnology but also their artistic expression and imaginative talents. It reflects the curiosity, dedication, and creative spirit of our budding biotechnologists.

III ECE A Students' Visit to Sri Sankara Sevalayam Charitable Trust



The III ECE A students visited Sri Sankara Sevalayam Charitable Trust, Karuvalur, where they had a meaningful and enriching experience witnessing the organization's dedicated service to the community.

The Trust's efforts in providing care, shelter, and support to those in need deeply inspired the students. The peaceful environment, along with the commitment of the staff and volunteers, reflected true compassion and selfless service.

As part of the visit, the students contributed **lunch, groceries, and snacks worth ₹5000** to support the residents. This act of kindness made the visit even more fulfilling and impactful, leaving a lasting impression on the students about the importance of empathy and social responsibility.

Guest Lecture on Internet of Robotic Things (IoRT): The Future of Connected Robots



The Department of Robotics and Automation organized a guest lecture on "Internet of Robotic Things (IoRT): The Future of Connected Robots" with the objective of enhancing students' knowledge in this emerging field.

The session was delivered by Mr. M. Yuvaraj, Lead Technical in Embedded Systems at Diagonal CADD, Perundurai. He shared his expertise and provided valuable practical insights into the future of connected robotic systems, highlighting real-world applications and industry trends.

First-Time Voters Awareness Program



The Rotaract Club of ESEC organized a "First-Time Voters Awareness Program" for first-year students to promote electoral awareness and responsible citizenship.

During the session, the Election Officer clearly explained the importance and purpose of voting, along with the necessary documents required for voter participation. A miniature model of a polling booth was used to demonstrate the step-by-step voting process, making it easy for students to understand.

Industrial Visit to Limestone Mines at India Cements Ltd., Sankari



The II and III year Civil Engineering students visited the limestone mines at Karumapurathanur, operated by India Cements Ltd., Sankari, as part of an industrial visit for the subject Applied Geology.

The visit provided valuable exposure to real-world mining operations, enabling students to understand the geological characteristics of limestone deposits. They also gained insights into quarrying methods, material quality assessment, and quality control practices followed in a limestone quarry.

Outstanding Achievement by Final Year Mechanical Tamil Medium Students



We are proud to share that our final year Mechanical Tamil medium students – **A. Boopathi, P. Suguna, and K. Vignesh** – have achieved remarkable success at **Sri Shanmugha College of Engineering and Technology**.

The students secured **First Prize** with a cash award of ₹1000 in the **Project Expo** and also won **First Prize** with a cash award of ₹1500 in the **Paper Presentation competition**.

Their achievement reflects their strong technical knowledge, presentation skills, and dedication.

Mentor:
V. P. Krishnamurthy, AP/Mechanical

Third Prize Achievement in Hackathon



We are pleased to announce that **Arunachalam, Akilan, Moulikannan, and Sungunthar**, III year Robotics and Automation students, secured **Third Prize** with a cash award of ₹2500 in a Hackathon held at Nandha Engineering College.

The students showcased strong problem-solving skills, creativity, and teamwork throughout the competition. Their achievement highlights their technical expertise and innovative thinking.

One-Day Seminar on “Turning Stress into Strength”



The **Department of Electrical and Electronics Engineering (EEE)** organized a one-day seminar on “Turning Stress into Strength” to promote mental well-being and personal development among students.

The session was delivered by **HR. JC. Dhanapal V, Jobe Trainer, JCI**. The speaker shared practical techniques to manage stress effectively, build resilience, and transform challenges into opportunities for growth.

Industry Exposure Visit & Future Vision Session for MBA Students



Our **MBA students** recently had the opportunity to participate in an enriching **industry exposure visit to Sakthi Sugars Private Limited**. The visit was designed to provide practical insights into real-world business operations, bridging the gap between classroom learning and industry practices.

During the visit, students gained a comprehensive understanding of the company's production processes, including raw material handling, manufacturing stages, quality control, and supply chain management. They also explored key administrative strategies such as resource planning, organizational structure, and operational efficiency. This hands-on experience helped students appreciate the complexities and coordination required in large-scale industrial operations.

Advancing Construction with 3D Concrete Printing



In a remarkable step towards innovation and modern construction practices, components were successfully printed using a **3D concrete printer**. This cutting-edge technology represents a significant shift in how structures and building elements are designed and manufactured.

3D concrete printing enables the creation of complex shapes and structures with high precision, reduced material wastage, and faster construction time compared to traditional methods. The process involves layer-by-layer deposition of specially designed concrete mixtures, allowing for efficient and sustainable building solutions.

This advancement highlights the growing importance of automation and digital technologies in the construction industry. It opens new opportunities for cost-effective housing, customized architectural designs, and environmentally friendly construction practices.

Research and Development cell - Achievements

ERODE SENGUNTHAR ENGINEERING COLLEGE
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Research and Development Cell

Congratulations!

Dr.S.Tamilselvan ASP/CSD Published a Paper in Scopus Indexed Journal, "International Journal of Drug Delivery Technology"	Dr.R.Kalaivani Prof/ECE Published a Conference paper in IEEE Xplore- Scopus Indexed	Dr.D.Ambika AP/English Published a patent titled, "Leveraging Tech-Enabled Cognitive Strategies for Improving English Proficiency in Rural Background Engineering (RBE) Students"
Dr.M.Dhananivetha Prof/Agri Published a patent titled, "Development of a budget-friendly Toploca planter to enhance planting efficiency"	Dr.R.Krishnasamy ASP/Agri	Ms.K.Bharathi AP/Agri Published a patent titled, "Design and fabrication of precision fertilizer applicator"
Mr.K.Murugesan ASP/Agri Published a patent titled, "Design and development of a Tamarind shell and seed separator"	Mr.A.K.Karthikeyan AP/Agri Published a patent titled, "Design and development of an automated mushroom bedding machine"	Mr.R.K.M.Harishkumar AP/Agri Published a patent titled, "Design and fabrication of a low-cost turmeric planting machine for sustainable spice farming"
Ms.R.Keerthika AP/Agri Published a patent titled, "A method for value addition of dryariais quercifolia using novel food processing techniques"	Dr.R.M.Muthuraman ASP/Agri Published a patent titled, "Design and fabrication of a multi-crop seed cleaner suitable for small scale farming"	Mr.E.Loganathan AP/CSE Published a patent titled, "Machine Learning-Driven Drone Delivery Route Planner Based on Travelling Salesman Optimization"
Dr.M.Vijay Anand Prof/Mech Published a patent titled, "Microstructural and Hardness Characterization of Hot-Deformed Az61 Magnesium Alloy"		

Stay Tuned for More Updates

MOTIVATION CORNER

"My tastes are simple: I am easily satisfied with the best."

— Winston Churchill



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