

ERODE SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

PERUNDURAI, ERODE-638 057



NEWSLETTER
2025 - 26



Vision



Mission

OUR VISION

To become a World Class Technical Institution and Scientific Research Centre for the Benefit of the Society.

OUR MISSION

- **To create Positive difference to Society through Innovative Teaching – Learning Process.**
- **To impart Value Based Technical Education to the Students from across various Socio Economic backgrounds.**
- **To build State of art infrastructure for high quality Research and Development capabilities on par with the finest in the Globe and widen student's horizons beyond Class Room.**
- **To bring out Competent, Ethically Strong and Quality Professionals.**



DEPARTMENT OF AGRICULTURAL ENGINEERING

ABOUT US



ERODE SENGUNTHAR ENGINEERING COLLEGE

AGRICULTURAL ENGINEERING

The Department of Agricultural Engineering at Erode Sengunthar Engineering College is committed to advancing the frontiers of agricultural science and technology. Agricultural engineers combine engineering principles with biological sciences to design innovative solutions in agriculture from machinery and irrigation systems to post-harvest technology and sustainable resource management.





MESSAGE FROM THE HEAD OF DEPARTMENT

Dr. R. Krishnasamy

Head of the Department
Department of Agricultural Engineering
Erode Sengunthar Engineering College.

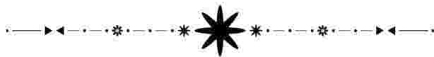


“

Dear Students and Esteemed Visitors,

Welcome to the Department of Agricultural Engineering, where innovation meets tradition to shape the future of sustainable agriculture.

Our department is committed to nurturing technically skilled, ethically grounded and socially responsible professionals who will lead the agricultural revolution of tomorrow. With a visionary faculty, state-of-the-art infrastructure and an interdisciplinary curriculum, we empower students to transcend conventional boundaries and innovate solutions that address complex agricultural challenges. We believe that learning flourishes through hands-on research, industry partnerships and experiential projects that cultivate critical thinking, leadership and teamwork.



As the Head of the Department, I am proud of our student's and faculty's achievements and their unwavering commitment to excellence and innovation. Join us in this journey to transform agriculture and make a lasting global impact. ”





ASSOCIATION ACTIVITIES

 16th July 2025

A Guest Lecture on “AgriPreneurship: Cultivating Business from the Ground” was organized for students to explore opportunities in agribusiness.

The session was delivered by Mr. A. T. Manikandan, Managing Director of Thanjana Enterprises and ATM Geostructure and Superstructure, Chennai.

The lecture emphasized innovation, value addition, and sustainable practices in modern agriculture.

It provided insights into agri-based startups, government schemes, and market strategies.

The session inspired students to develop an entrepreneurial mindset in the agricultural sector.

Overall, it encouraged participants to pursue agribusiness ventures for sustainable rural development.



 30th July 2025



A Career Guidance Programme on “Future of Farming in India and Opportunities for Agricultural Engineers” was conducted for students.

The session was handled by Mr. Madivanan Sittaramane of CultYvate, Bangalore.

The program focused on modern farming technologies and career opportunities in agriculture.

It motivated students to build skills and contribute to the future of Indian agriculture.





ASSOCIATION ACTIVITIES

 7th August 2025



A Career Guidance Programme on “Banking Career Opportunities: Gateway to a Secure Future” was conducted for students.

The session was delivered by Mr. A. Prasanth, Branch Manager, Veranda Race, Erode.

The program focused on career paths, competitive exams, and skills required in the banking sector.

It motivated students to pursue banking careers and plan for a secure future.



A seminar on “Ensuring Quality from Soil to Seed: A Technical Seminar on Seed Certification” was conducted for students.

The session was delivered by Mr. Panneerselvam Ganesan, Commercial Head, Mangal Maruti Seeds Pvt. Ltd., Odisha.

The seminar focused on seed quality, certification processes, and sustainable agricultural practices.

It enhanced participants’ knowledge on seed testing, soil health, and improving crop productivity.

 20th August 2025





ASSOCIATION ACTIVITIES

A Guest Lecture on “Enhancing Thermo Chemical Biomass Conversion, Waste Heat Cogeneration and Recovery for Sustainable Bioenergy Production” was conducted for students.

The session was delivered by Ms. P. Sandhiyadevi, Assistant Professor, Nandha Engineering College, Erode.

The lecture focused on biomass conversion technologies and efficient energy recovery methods.

It enhanced students’ knowledge on sustainable bioenergy and encouraged innovation in renewable energy applications.



25th September 2025



8th October 2025



A seminar on “Solar Energy-Based Automation and Smart Farming Tools” was conducted for students. The session was delivered by Dr. V. K. Krishnan, Associate Professor, Vinayaka Missions University, Salem. The seminar focused on integrating solar energy with modern agricultural technologies. It enhanced students’ knowledge on smart farming and sustainable, energy-efficient practices.





ASSOCIATION ACTIVITIES



4th February 2026

A Career Guidance Programme on “Youth in Entrepreneurship – Opportunities and Challenges” was conducted for students.

The session was delivered by Mr. MGB. Aruneswar, Founder and CEO, Grow Your Farms Private Limited, Tamil Nadu.

The program focused on entrepreneurial opportunities, skills, and challenges in modern industries.

It inspired students to develop innovative ideas and build confidence towards entrepreneurship.



13th October 2025

The Department of Agricultural Engineering organized a Honey Bee Training Programme for B.Tech Agricultural Engineering students.

The session provided practical knowledge on beekeeping, colony management, and honey production.

Students explored apiculture as a promising entrepreneurial opportunity in agriculture.

The training enhanced awareness on pollination and the ecological importance of honey bees.





ASSOCIATION ACTIVITIES



9th February 2026



A workshop on “From Sensors to Solutions: AI & IoT in Engineering Practice” was conducted for students.

The session was delivered by Mr. Avinash S Kumar, Technical Trainer, Networkz System, Tiruppur.

The workshop focused on AI and IoT applications, sensor integration, and smart solutions.

It enhanced students’ technical skills and encouraged innovation in engineering practices.



27th February 2026

A Career Guidance Programme on “Turning Red to Green – From Environmental Crisis to Ecological Balance” was conducted for students.

The session was delivered by Mr. N. Gawtham Dhandapani, Managing Director, Spike Creations, Tiruppur.

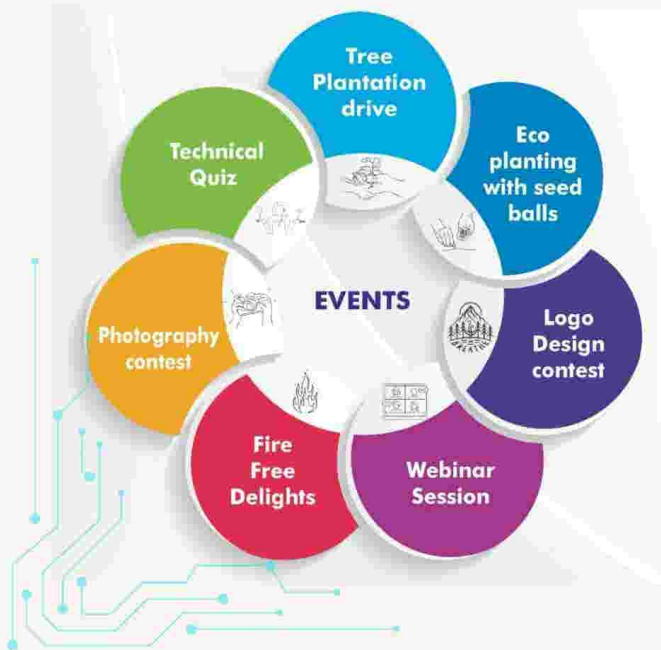
The program highlighted environmental challenges and the importance of sustainable agriculture and green practices.

It motivated students to adopt eco-friendly solutions and develop environmental responsibility.





ENGINEER'S DAY CELEBRATION



An Engineer's Day Celebration was organized by the Department of Agricultural Engineering at Erode Sengunthar Engineering College. The event featured activities such as a technical quiz, tree plantation drive, eco planting, photography, and logo design contests. A large number of students actively participated in the various innovative and eco-friendly events. The celebration promoted technical knowledge, creativity, and environmental awareness among students.



15th September 2025

PRIZE DISTRIBUTION



Photo Contest

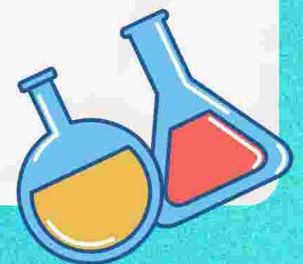
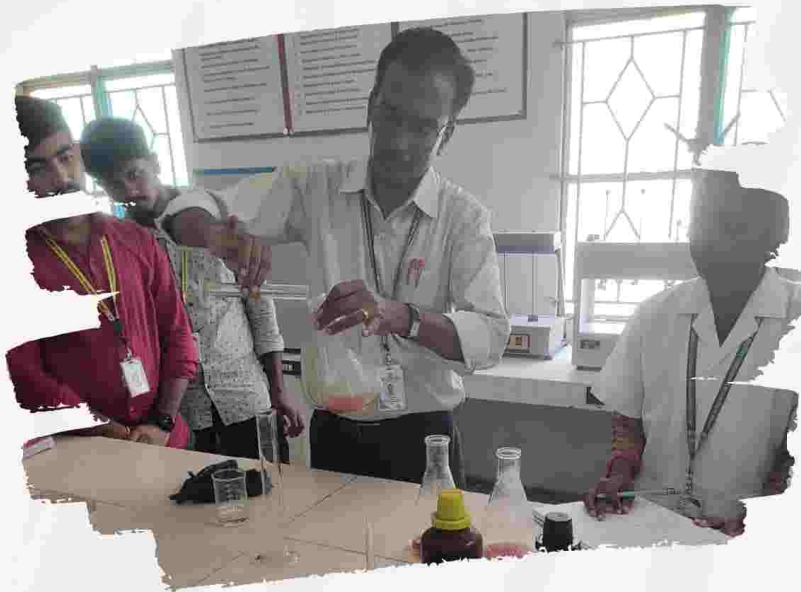






SOIL SCIENCE LABORATORY

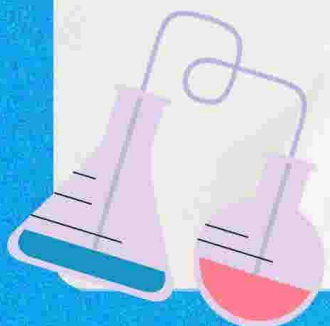
The Soil Science Laboratory in our college provides practical knowledge and hands-on experience in understanding the physical, chemical, and biological properties of soil. The laboratory plays a key role in bridging theoretical knowledge with field applications, helping students understand soil management, conservation practices, and sustainable agricultural methods.





FOOD PROCESSING LABORATORY

The Food Processing Laboratory in our college is a well-equipped facility designed to provide practical knowledge and hands-on experience in various food processing techniques. It helps students understand the principles of preservation, packaging, and quality control of different food products.





FOOD & DAIRY ENGINEERING LABORATORY



The Food and Dairy Engineering Laboratory drives innovation in processing, preservation, and value addition of food and dairy products. Equipped with state-of-the-art machinery, it enables hands-on learning in thermal processing, packaging, and quality control. Students explore sustainable and energy-efficient techniques to enhance safety, shelf-life, and nutritional quality. The lab bridges research and industry, fostering creativity in product development and mechanization.





POST HARVEST TECHNOLOGY LABORATORY



Post Harvest Technology Laboratory pioneers innovative solutions to enhance the shelf-life and quality of agricultural produce. Equipped with advanced drying, storage and processing technologies, the lab bridges research and practical applications for farmers and industry. Students gain hands-on experience in modern preservation, value addition and post-harvest mechanization techniques.



DEPARTMENTAL EVENTS

S.No	Name of the Programme	Place	Resource Person
1.	Guest Lecture	16.07.2025	Mr. A. T. Manikandan, B.E., M.Tech, MBA, M.CADD., Ph.D., Managing Director, Thanjana Enterprises and ATM Geostructure and Superstructure, Chennai.
2.	Leader's Talk	24.07.2025	Kavya.T, - Alumnus (2021-2025), Field Officer, Kaveri Irrigation Pvt Ltd, Erode
3.	Leader's Talk	24.07.2025	Akalya.K, - Alumnus (2021-2025), Field Officer, Kaveri Irrigation Pvt Ltd, Erode
4.	Leader's Talk	24.07.2025	Bhuvaneswari P, - Alumnus (2021-2025)
5.	Leader's Talk	25.07.2025	Mr.V.Senthilkumar, Alumnus (2021-2025) Free lancer
6.	Seminar	20.08.2025	Mr. Panneerselvam Ganesan, Commercial Head, Mangal Maruti Seeds Pvt., Ltd., Odisha.
7.	Leader's Talk	18.08.2025	Mr.Thirumala M Alumnus 2020-24 Batch Drone Testing Enneer, The E Plane Company, Chennai.
8.	Leader's Talk	18.08.2025	Mr.B.Mohanlal, Alumnus 2020-24 Batch
9.	Leader's Talk	21.08.2025	Mr.K.J.Nithin Alumnus 2021-25 Batch
10.	Agri. Engg and ISTE Activity - Engineers Day celebration	15.09.2025	Dr. B. Soundharajan Associate Professor, Amrita School of Agricultural Sciences, J. P. Nagar, Arasampalayam, Myleripalayam (via.), Coimbatore – 642 109.
11.	Guest Lecture	25.09.2025	Ms. P. Sandhiyadevi, Assistant Professor, Department of Agricultural Engineering, Nandha Engineering College, Erode.
12.	Leader's Talk	10.09.2025	Mr.A.Mathankumar, Alumnus 2021-2025 Batch
13.	Agri. Engg and ISAE Activity	08.10.2025	Dr. V. K. Krishnan, Associate Professor, Mechanical Engineering, Vinayaka Missions University, Salem – 636 308.
14.	World Students Day Celebration	15.10.2025	-



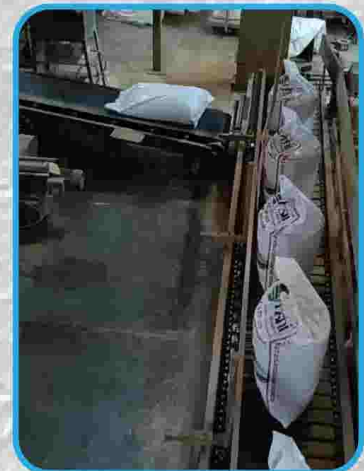
INDUSTRIAL VISIT

31st July 2025



The 3rd year B.Tech Agricultural Engineering students visited the Perundurai Regulated Market as part of their academic curriculum.

During the visit, students observed the functioning of the regulated market, including grading, pricing, and auctioning of agricultural produce. The visit provided practical insights into market operations and post-harvest management. Overall, it was an informative experience that enhanced their understanding of agricultural marketing systems.





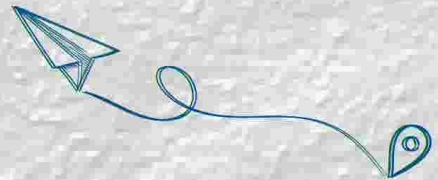
INDUSTRIAL VISIT

 District Agricultural Exhibition - Gobichettipalayam



2nd-year B.Tech Agricultural Engineering students visited the District Agricultural Exhibition held in Gobichettipalayam on 07.08.2025.

The event showcased modern farm machinery, innovative cultivation technologies, and sustainable agricultural practices. Students actively interacted with experts and gained hands-on insights into equipment displayed at the venue. The visit provided real-time exposure to advancements that support farmers in improving productivity. Overall, the experience enriched their practical understanding and strengthened their interest in agricultural innovation.





INDUSTRIAL VISIT



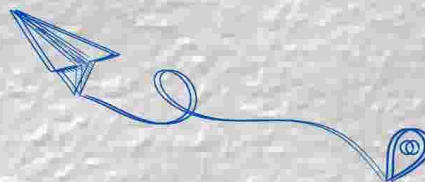
19th August 2025



Agricultural Research Station, Bhavanisagar



The students from second year visited the Agricultural Research Station, Bhavanisagar, on 19 August 2025 for academic field exposure. The visit offered insights into ongoing research, modern farming practices, and innovative technologies. Students interacted with faculty and researchers who explained experimental plots and machinery applications. The trip enhanced their practical understanding and interest in agricultural research. Overall, it was an enriching experience linking classroom learning with real-world applications.





INDUSTRIAL VISIT

25th August 2025



RGS Cattle feeds



The 3rd year B.Tech Agricultural Engineering students visited RGS Cattle Feeds as part of their academic curriculum.

During the visit, students gained practical experience in cattle feed production and observed the machinery involved in the process. The visit provided valuable insights into feed manufacturing and its industrial applications.



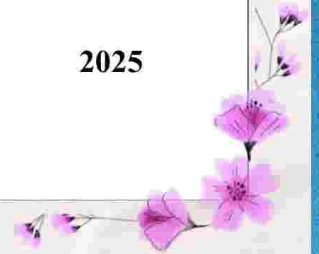


FACULTY PUBLICATION



JOURNALS

Faculty Name and ID	Title of the Paper	Journal	Month/Year
Dr.R.Krishnasamy	Failure Investigation of Single bolt Glass Fiber Reinforced Polymer Angle member with gausset plate under Tensile load	Structural Integrity Procedia	07.08.2025
M. Dhananivetha	Integrating Digital Tools And Regenerative Practices: A Review On Precision Agriculture For Sustainable Soil Health And Climate Resilience	International Journal of Environmental Sciences	2025



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PROMOTION

ESEC-TV is a dynamic platform showcasing talent, debates, news, animations, filmmaking and gaming content. Suitable for creative insights, industry trends, and engaging entertainment.









FACULTY PUBLICATION



BOOKS & BOOK CHAPTERS

S. No.	Name of the Faculty	Title of the Book Chapter	Publisher name	Month / year of publication	Indexed in Scopus / ISBN
2025- 26					
1	Dr.M.Dhananivetha	Integrated Nutrient Management - Progressive Approaches in Agriculture and Allied Sciences (Page No. 107)	The Pustakalaya Publication	2025	9789349921290
2	Mr.R.K.M.Harish Kumar	Soil Microplastics detection using Near Infrared (Vol. 6, Issue: 8)	Krishi Science	August 2025	2583-4150

S. No.	Name of the Faculty	Title of the Book	Publisher name	Month / year of publication	Indexed in Scopus / ISBN
2025- 26					
1	Dr.M.Dhananivetha	Book - Ecology and Management of pollinators in Agroecosystems for Sustainable Productivity	Elite Publication House	2025	9789371082754
2	Mrs.K.Bharathi	Book -Fundamentals of Agronomy	DvS Scientific Publication	2025	9789366887784





FACULTY PARTICIPATION

S. No.	Name of the Faculty	Event Name
JUN - 2025		
1.	Dr. M. Dhananivetha	OBE in the AI Era : Leveraging Technology for NIRF Excellence in Teaching - Learning
2.	Dr. M. Dhananivetha	Combating Plastic Pollution For Healthy Environment
3.	Dr. M. Dhananivetha	Market Oriented Extension
4.	Mrs. K. Bharathi	OBE in the AI Era : Leveraging Technology for NIRF Excellence in Teaching - Learning
5.	Mrs. K. Bharathi	Combating Plastic Pollution For Healthy Environment
6.	Mrs. K. Bharathi	Combating Plastic Pollution For Healthy Environment
7.	Mr. A.K. Karthikeyan	Combating Plastic Pollution For Healthy Environment
8.	Mr. A.K. Karthikeyan	KISEM Energy Efficiency Quiz
9.	Ms. R. Keerthika	OBE in the AI Era : Leveraging Technology for NIRF Excellence in Teaching - Learning
10.	Ms. R. Keerthika	Combating Plastic Pollution For Healthy Environment
JUL - 2025		
1.	Dr. M. Dhananivetha	New Teaching Methodologies
2.	Mr. K. Murugesan	New Teaching Methodologies
3.	Mrs. K. Bharathi	New Teaching Methodologies





FACULTY PARTICIPATION

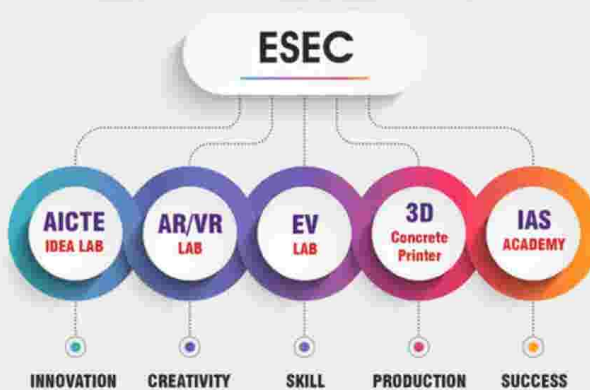
S. No.	Name of the Faculty	Event Name
4.	Mr. A.K. Karthikeyan	New Teaching Methodologies
5.	Mr. A.K. Karthikeyan	Cutting - Edge Research in Mechanical Engineering
6.	Mr. A.K. Karthikeyan	How to launch podcast in spotify in app
7.	Mr. A.K. Karthikeyan	Innovation Ambassador Training 'Reskilling'
AUG - 2025		
1.	Mr.R.K.M.Harish Kumar	AI TOOLS IN TEACHING: ChatGPT, Perplexity & Edu AI
2.	Mr.R.K.M.Harish Kumar	Empowering Agriculture through Modern Mechanization Techniques
3.	Mr. A.K. Karthikeyan	AI assisted development of fast & secure IoT (internet of things) for agriculture and textile industries
4.	Mr.R.K.M.Harish Kumar	"Entrepreneurship opportunities and Skill development in Millets"
5.	Mr.R.K.M.Harish Kumar	Bioremediation and Green Technologies for Waste Management and Soil Health in the Agri-Food Sector
SEPT - 2025		
1.	Dr. M. Dhananivetha	11th National Conference on "FutureAg-2025 Advancing food and farming for sustainable future
2.	Dr. M. Dhananivetha	Sustainable Energy and Climate Change
3.	Dr. M. Dhananivetha	Microplastics as Emerging Pollutants: Analytical and Monitoring Perspectives



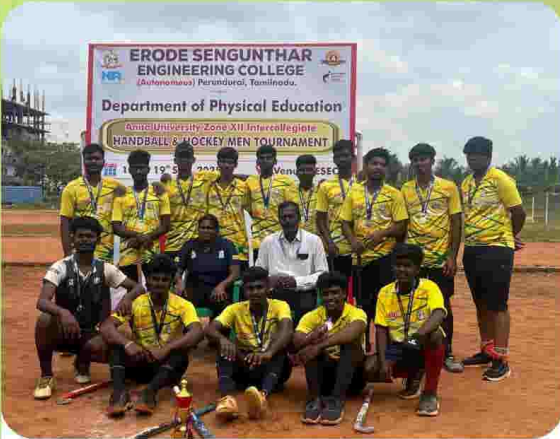


FACULTY PARTICIPATION

S. No.	Name of the Faculty	Event Name
4.	Mrs. K. Bharathi	Microplastics as Emerging Pollutants: Analytical and Monitoring Perspectives
5.	Ms. R. Keerthika	Microplastics as Emerging Pollutants: Analytical and Monitoring Perspectives
6.	Ms. R. Keerthika	Introduction to Perplexity for book writing
7.	Mr.R.K.M.Harish Kumar	Introduction to Perplexity for book writing
8.	Mr.R.K.M.Harish Kumar	Sustainable Trends in Modern Agriculture
OCT - 2025		
1.	Ms. R. Keerthika	Harvesting Innovation: National Conference on Agro -Tech and Food Futures
2.	Mrs. K. Bharathi	Unlocking Green Growth : Sustainability as a Catalyst for Business Innovation in the Technology - Driven Era
3.	Dr. M. Dhananivetha	Unlocking Green Growth : Sustainability as a Catalyst for Business Innovation in the Technology - Driven Era
NOV - 2025		
1.	Mr.R.K.M.Harish Kumar	AI Tools for Education
2.	Mr.R.K.M.Harish Kumar	AICTE AI Summit 2025
3.	Dr.R.Krishnasamy	AICTE AI Summit 2025



STUDENT ACHIEVEMENTS



Students of Erode Sengunthar Engineering College secured 2nd place in the Anna University Zone 12 Hockey Tournament held on 18th September 2025 at their campus. Giriraj (II Year) and Rajarahul (III Year) represented the college and brought pride through their performance.



Our college Women's Hockey Team showcased exceptional skill and determination by securing Third Place and winning the Bronze Medal in the Anna University Inter-Zone Intercollegiate Hockey Tournament conducted on 08.11.2025.

The team competed at the State-Level Engineering College competition and delivered an impressive performance throughout the tournament.



Our College Basketball Men team won the Third place and cash prize of ₹12,000 in CM trophy Basketball tournament held at ISHAN Academy Thindal. II Year Agri student Vicky played in the team.





STUDENT ACHIEVEMENTS



Gopika M, Sasirekha M, and Kaviyarasan K from 3rd year participated in the Paper Presentation event held at Sri Sai Ranganathan Engineering College, Coimbatore, on 19th September 2025. Representing our institution with great enthusiasm, the team delivered an impressive presentation that earned appreciation from the judges. Their commendable performance led them to secure the 3rd Prize in the competition.



Vicky of II Year Agricultural Engineering won Third Prize in the Basketball Zonal Tournament held at Kongu Engineering College on 08 September 2025, bringing pride to the institution.



We are proud to share that Mr. Deepak Revanth (III Year, Agriculture Department) has secured 1st Prize and won a cash award of ₹5000 in the Project Hackathon conducted at Velammal Institution of Technology, Chennai.





Glimpses



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B.E.

- Biomedical Engineering
- Civil Engineering
- Computer Science and Engineering
- Computer Science and Design
- Electrical and Electronics Engineering
- Electronics and Communication Engineering
- Electronics and Instrumentation Engineering
- Mechanical Engineering
- Mechanical Engineering (Tamil Medium)
- Robotics & Automation
- CSE (Artificial Intelligence & Machine Learning)
- CSE (Cyber Security)
- CSE (IoT)

B.Tech.

- Agricultural Engineering
- Chemical Engineering
- Information Technology
- Artificial Intelligence & Data Science
- Bio Technology

PG PROGRAMMES

M.E.

- Computer Science and Engineering
- Manufacturing Engineering
- Environmental Engineering
- Power Electronics and Drives
- Applied Electronics
- Industrial Safety Engineering
- Structural Engineering

M.Tech.

- Computer Science and Engineering (5 Years Integrated Course)
- Chemical Engineering



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