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Namakkal - Trichy Main Road, Tholurpatti (P.O.), Thottiyam (TK), Trichy (Dt.) - 621 215.

DEPARTMENT OF MECHANICAL ENGINEERING

MECHCLUSTER - NEWSLETTER

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Department Vision & Mission

Vision

To endeavour the excellence in Mechanical Engineering field globally by producing competent and confident graduates to face the future challenges.

Mission

❖ Provide transformative education to students and improving their skills to face the global challenges in Mechanical and Allied Engineering.

❖ Nurture innovation, attitude, creativity, core competency and serve the society through requisite infrastructure and environment.

❖ Inculcate real world challenges, emerging technologies and endeavour the students to become entrepreneurs or employable.

Program Educational Objectives (PEOs)

PEO I : Graduates shall excel in the field of design, thermal, materials and manufacturing, as successful engineers or researchers or as entrepreneurs.

PEO II : Graduates will analyze problems, design solutions and develop products as a team member in advanced industrial projects.

PEO III : Graduates shall have professional ethics, team spirit, life-long learning, good oral and written communication skills and adopt corporate culture, core values and leadership skills.

◆ Program Specific Outcomes (PSOs)

PSO1 : Professional skills : Students shall understand, analyze, design and develop integrated equipment, thermal devices and composite components.

PSO2 : Competency : Students shall qualify at the State, National and International level competitive examination for employment, higher studies and research.

◆ Program Outcomes (POs)

Engineering Graduates will be able to:

PO1: Engineering Knowledge: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4)

PO3: Design/Development of Solutions: Design creative solutions for complex engineering problems and design /develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (WK5)

PO4: Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).

PO5: Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6)

PO6: The Engineer and The World: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).

PO7: Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9)

PO8: Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

PO9: Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences

PO10: Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

PO11: Life-Long Learning: Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change. (WK8)

◆ Department Activities

◆ Programmes organized by the Department

◆ Internal Activities

METAS Inaugural Function & Seminar on "Drone - Technology of the Future with Boundless Opportunities" was organized on 18.07.2025. The resource person was Dr.G.Sivakumar, Senior Principal Scientist, ISRO, CSIR - National Aerospace Laboratories, Bengaluru.



Seminar on "Emerging Vehicle Technologies for Sustainable Future" was organized on 11.08.2025. The resource person was Dr.Kesavan Ramakrishnan, Senior System Architect, Cummins Inc, United States of America.



Seminar on "Role of AI in Engineering Design" was organized on 23.08.2025. The resource person was Mr.K.S.Kavin Adhithya, (Alumni:2012-2016 Batch), Deputy Manager Engineering, Amphenol FCI India Pvt. Ltd., Cochin, Kerala.



Seminar on "Emerging Trends and Technologies in mechanical Design" was organized on 19.09.2025. The resource person was Mr.M.Suresh, Assistant Manager-Talent Development, TVS Harita Tehserv Pvt., Ltd., Coimbatore.



Seminar on "Corporate Responsibility and Ethics in Shaping the Graduates for Sustainable Future" was organized on 22.12.2025. The resource person was Mr.K.Subramanian, Senior HR Advisor, K2 Cranes and Components Pvt. Ltd., Chennai.



SAE Club Activities

Inaugural Function & Seminar on "INDUSTRY 4.0" was organized on 14.08.2025. The resource person was Dr.K.Devakumaran,M.E.,Ph.D. (IITR), Senior Manager, Advanced Technology Products, Bharat Heavy Electricals Limited, Trichy.



Seminar on "Transformation of Automotive Industries with GEN AI" was organized on 29.09.2025. The resource person was Mr.G.Anban, Associate System Engineer, Boeing India Pvt. Ltd., Bengaluru



Symposium

National Level Technical Symposium "TEK CLUSTER-24" was organized on 13.09.2025. The resource person was Mr.Senthil Kumar Ganapathy, VP & Head of Design Department, Larson & Toubro, Chennai.

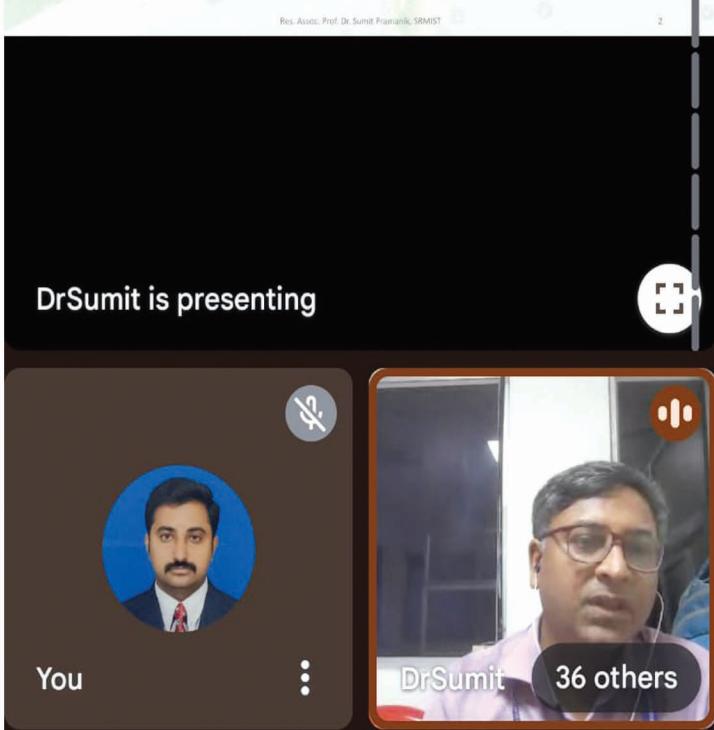


External Activities FDP Organized

Five Days Virtual FDP on " Recent Research Trends in Mechanical Engineering" from 08.12.2025 to 12.12.2025.

Content

- Introduction to Mechanical Engineering
- Composite and Alloy Difference
- Classifications
- Advanced Composites: Examples
- Smart Composites: Examples
- Characterization of Composites
- Advanced Composites: Applications in Mechanical Engineering
- Summary



Webinar on "Braking Technologies and Passenger Safety in Indian Railways" was organized on 27.09.2025. The resource person was Mr.V.Adithya, Senior Section Engineer, Central Workshops, Tiruchirappalli.

◆ Department Achievements ◆ Patent Published

Dr.T.Rajamanikandan, Dr.P.Arul, Dr.R.Shankar, Dr.K.Muthumanickam, Mr.R.Gopalakrishnan, Dr.R.Saravanan, Mrs.S.Suganya, Dr.M.Paranthaman, Mr.S.Kumaravel, Mrs.R.Aruna, Mrs.L.Nivetha and Mr.A.Mohankumar published a patent on "AI Enabled Spider type Robotic Device for Wall Surface Cleaning and Automated Plaster Repair with Mobile App Control and Rechargeable Battery Operation" on 04.07.2025.

◆ Books Published

Dr.D.Jagadeesh, Dr.K.Periasamy, Dr.N.Sivashankar, Mr.N.Kawin, "Conventional and Modern Machining Process", The Charulatha Publications, November 2025

Dr.P.Muthukumar, Mr.P.Raja, Mr.s.Mohankumar, Mr.V.Muthukumar, "Engineering materials and Metallurgy" The Charulatha Publications, November 2025

◆ Publication in Journals

Arulpandian Palanisamy, Nagaraj Chelliah Machavallavan, Dhanasekar Ramalingam, Kumaravel Sundaram, "Microstructural and Mechanical Improvements in A356 Composites on Incorporating Polymer Derived Ceramics Through Ultrasonication at Semi-solid and Liquid State", Silicon, 17, 2715–2727.

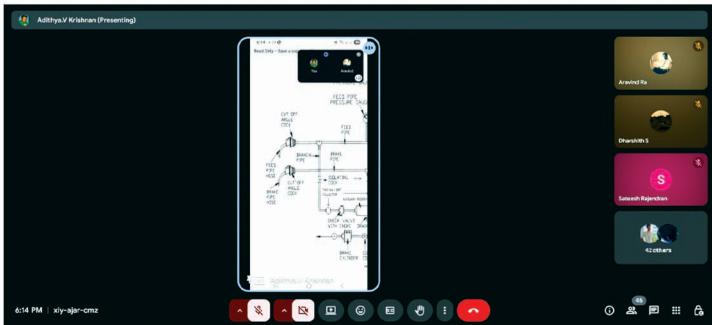
S.Shaisundaram, Sengottaiyan, Saravanakumar, Raji Gunasekaran and S.Kumaravel, M.Chandrasekaran, Basumatary Sanjay, "Machine Learning Driven Energy Efficiency Enhancement and Emission Reduction in Diesel Engine Using pumpkin seed Bio Diesel Blends and CeO₂ Nano Particles", International Journal of Energy Research, (Published Online).

Nadanabapathi Sivashankar, Kadhiresan Santhanam, Shikandar Prasad, Mamidala Jawahar, Rajasekaran Thanigaivelan, "Electrochemical Micromachining of Galvanized iron Sheets: process optimization and Performance Evaluation", Journal of Electrochemical Science and Engineering, (Published Online).

S.Saravanan, Saravanakumar Sengottaiyan, Ra. Aravind, S.Krishnakumar, "Assessment of the Tribological Behavior of WAAM-Fabricated SS316L through Advanced Ensemble Machine Learning Predictions and RSM-Based Optimization", Journal of Materials Engineering and Performance, (Published Online).

G.Mahendran, R.Ramadoss, C.Rajendran, G.Selvakumar, V.Jayaseelan, "Influence of Solution Treatment and Artificial Aging on the Strength of LM13 Reinforced with Titanium Diboride Metal Matrix Composite", Journal of Materials Engineering and Performance, (Published Online).

Sivakumar Viswanathan, Saravanakumar Sengottaiyan, Muthukumar Veerappan, Shaisundaram Veerasamy Shamprashaath, "Assessment of Mechanical Strength, Thermal Stability, and Moisture Resistance of AA6061-Alumina-Banana Fiber Epoxy Fiber Metal Laminates", Fibers and Polymers, 26, 4497–4512 (2025).



Workshop on "Essentials of 3D Modelling and Product Design" was organized on 27.10.2025. The resource persons were Dr.N.Ravikumar, AP/Mech & Mr.N.Kawin, AP/Mech, Kongunadu College of Engineering & Technology, Thottiam.



◆ Kongunadu Innovation Council

Seminar on "Innovation and Entrepreneurship Outreach Program in Schools/Community" was organized on 11.08.2025. The resource person was Mr.Ra.Aravind, AP/Mech, Kongunadu College of Engineering and Technology, Trichy.



Seminar on "Breaking Boundaries: The Art of Innovation" was organized on 15.10.2025. The resource person was Dr.N.Sivashankar, AP/Mech, Kongunadu College of Engineering and Technology, Trichy.



Dhanapalan Lavanya, Dhavamani Chinnathambi, Venkatesan Subramanian, Ravikumar Natarajan, "Biosilica and Clove Oil-Modified Banana Fiber Epoxy Composites: Mechanical, Thermal, Wear, and Drilling Performance with Machine Learning and RSM Optimization", Composite Interfaces, (Published Online).

Periyasamy Dhiravidamani, Duraisamy Jagadeesh, Prabagaran S, Srinivasan R, "Hemp-PEEK composites: surface treatment, processing, and performance", International Polymer Processing, vol. 40, no. 5, 2025, pp. 517-524.

P.Suresh, Kumaravel S, Saravanakumar Sengottaiyan, Muthukumar P, "Influence of friction stir processing passes on microstructure, mechanical and tribological performance of Al5083/FeCoCrCuTi high-entropy alloy surface composites", Composite Interfaces, (Published Online).

N.Santhosh, S.M.Vinu Kumar, R.Sundar, V.Vadivelvivek, C.Dineshbabu, "Hybrid FED former-LSTM model for enhanced heave displacement prediction in offshore buoys", Ocean Systems Engineering, Vol. 15, No.3, pages 271-295.

Arulpandian Palanisamy, Krishnaveni Anbalagan, Raja Palanivel, J.R.Vinod Kumaar, "Enhanced Microstructure and Mechanical Properties of In Situ Polymer-Derived Ceramic Reinforced A356 Aluminum Composites Through Cooling Slope Casting", International Journal of Metalcasting, (Published Online).

Manoj Kumar Aruchamy, Gobinath Velukaliyannan, Raja Gunasekaran, Mohankumar Subramaniam, "High Efficiency monocrystalline silicon solar cells via optimized LaB₆ Anti reflection coatings synthesized by sol-gel Technique". Journal of Material Science- Material Electronics, (Published Online)

Arulpandian Palanisamy, Santhosh Velmurugan, Karthik Ramasundaram, S.Krishnakumar, "Microstructure and Mechanical response of A206 alloy processed by ultrasonic spray - assisted polymer derived ceramic reinforcement", Composite Interfaces, (Published Online)

Premkumar N, Felix Sahayaraj Arockiasamy, R.Arivazhagn, Raghuram pradhan, "Properties of Silane Modified Hemp viscose fiber and citrus grandis peel pectin-reinforced vinyl ester composites", Composite Interfaces, (Published Online).

E.Balakrishnan, G.Yuvaraj, Trinath Keerthipalli, Raghuram Pradhan, S.K.Karthikeyan, Srinivas Tadepalli, "Effect of interfacial Adhesion Enhancement on SS316Foil/Prestressed Areca Fiber-Nanosilica Fiber Metal Laminate Composites", Silicon, (Published Online).

Arulpandian Palanisamy, Krishnaveni Anbalagan, Rajesh Mohan, Aravind Ramalingam, "Gas-induced Semi-solid processing of A356 with in-situ polymer-derived ceramic reinforcement for improved mechanical performance", Next Materials, (Published Online).

Rathish Kumar Thangam, Srinivasan Velmurugun Parameswari, Sudesh Kumar Moranahalli Ponnusamy, Mahendran Jayavel, "Production of Rubber Seed oil biodiesel using biomass derived catalyst and engine performance, combustion and emission characteristics with hydrogen dual fuel and alumina additive", Applied Thermal Engineering, Vol.286, 129402.

Karunakaran kuppusamy, Gopi Periyappillai, Saravanakumar Sengottaiyan, Periyasamy Rajendran, "Surface-state and interphase engineering of ceramic boron carbide-epoxy composites: Correlating oxidation, functionalization and dispersion with mechanical and tribological behavior", Ceramics International, (Published Online).

FDP Attended

Dr.D.Jagadeesh, Professor, Mechanical Engineering department attended

- FDP on "Generative AI and Prompt Engineering" at R P Sarathy Institute of Technology from 27.10.2025 to 31.10.2025.

Dr.K.Periasamy, Professor, Mechanical Engineering department attended

- FDP on "Generative AI and Prompt Engineering" at R P Sarathy Institute of Technology from 27.10.2025 to 31.10.2025.

- FDP on "Sustainable Energy Technology" at NPTEL-AICTE.

Dr.G.Saravanan, ASP, Mechanical Engineering department attended

- FDP on "Advanced Design and Manufacturing using Autodesk Fusion" at Chaitanya Byharathi Institute of Technology from 04.08.2025 to 09.08.2025.

- FDP on "Sustainable Energy Technology" at NPTEL-AICTE.

Mr.R.Arivazhagan, ASP, Mechanical Engineering department attended

- FDP on "Shaping the Future of Materials: Innovations & Insights" at Sree Sakthi Engineering College from 23.06.2025 to 28.06.2025.

Mr.G.Selvakumar, AP, Mechanical Engineering department attended

- FDP on "Interdisciplinary Manufacturing Process Advances and Characterization Techniques" at Jain College of Engineering and Research from 22.07.2025 to 26.07.2025.

- FDP on "Automation in Manufacturing" at NPTEL-AICTE.

- FDP on "Innovative Applications of Mathematics" at Bapatala Engineering College from 17.11.2025 to 22.11.2025.

- FDP on "Outcome Based Education" at Dr.N.G.P Institute of Technology from 01.12.2025 to 05.12.2025.

<p>Mr.S.K.Karthikeyan, ASP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Product Design Engineering using Autodesk Fusion” at Chaitanya Bharathi Institute of Technology from 28.07.2025 to 02.08.2025. • FDP on “Automation in Manufacturing” at NPTEL-AICTE. 	<p>Mr.P.Raja, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Interdisciplinary Manufacturing Process Advances and Characterization Techniques” at Jain College of Engineering and Research from 22.07.2025 to 26.07.2025. • FDP on “Sustainable Energy Technology” at NPTEL-AICTE. • FDP on “Outcome Based Education” at Dr.N.G.P Institute of Technology from 01.12.2025 to 05.12.2025.
<p>Dr.A.Nithya, ASP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Interdisciplinary Manufacturing Process Advances and Characterization Techniques” at Jain College of Engineering and Research from 22.07.2025 to 26.07.2025. 	<p>Mr.E.Sivaprakash, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Digital Revolution in Industry 4.0” at Ganesh College of Engineering from 14.07.2025 to 20.07.2025.
<p>Mrs.V.Selvam, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “HR Management” at Skill Dzire for 2 Weeks 	<ul style="list-style-type: none"> • FDP on “Interdisciplinary Manufacturing Process Advances and Characterization Techniques” at Jain College of Engineering and Research from 22.07.2025 to 26.07.2025.
<p>• FDP on “Curriculum Development using Outcome Based Approach” at National Institute of Technical Teachers Training and Research from 04.08.2025 to 08.08.2025.</p>	<ul style="list-style-type: none"> • FDP on “Recent Trends and Advancements in Mechanical Science” at Rathinam Technical Campus from 15.09.2025 to 20.09.2025.
<p>• FDP on “Smart Materials and Digital Advancements for Future Manufacturing Systems” at Easwari Engineering College and Research from 04.08.2025 to 09.08.2025.</p>	<ul style="list-style-type: none"> • FDP on “Solar Energy Engineering and Technology” at NPTEL-AICTE.
<p>Mr.C.Dineshbabu, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Digital Revolution in Industry 4.0” at Ganesh College of Engineering from 14.07.2025 to 20.07.2025. 	<ul style="list-style-type: none"> • FDP on “Innovations in Advanced Materials, optimization and Sustainable Energy Systems” at SRM Institute of Science and Technology from 15.12.2025 to 20.12.2025.
<p>• FDP on “Industrial Automation” at Skill Dzire for 2 Weeks</p>	<p>Mr.R.Periyasamy, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Curriculum Development using Outcome Based Approach” at National Institute of Technical Teachers Training and Research from 04.08.2025 to 08.08.2025.
<p>• FDP on “Green Technologies and Sustainable Development” at Easwari Engineering College from 15.12.2025 to 19.12.2025.</p>	<ul style="list-style-type: none"> • FDP on “Rapid Manufacturing” at NPTEL-AICTE.
<p>Dr.R.Karthik, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Digital Revolution in Industry 4.0” at Ganesh College of Engineering from 14.07.2025 to 20.07.2025. 	<p>Mr.S.Chandrakumar, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Artificial Intelligence’s Impact on Transforming Software, Robotics, Electrical, electronics & Mechanical Fields” at Dhaanish Ahmed College of Engineering from 21.07.2025 to 26.07.2025.
<p>• FDP on “Interdisciplinary Manufacturing Process Advances and Characterization Techniques” at Jain College of Engineering and Research from 22.07.2025 to 26.07.2025.</p>	<ul style="list-style-type: none"> • FDP on “Smart Materials and Digital Advancements for Future Manufacturing Systems” at Easwari Engineering College and Research from 04.08.2025 to 09.08.2025.
<p>• FDP on “Innovations in Advanced Materials, optimization and Sustainable Energy Systems” at SRM Institute of Science and Technology from 15.12.2025 to 20.12.2025.</p>	<ul style="list-style-type: none"> • FDP on “Sustainable Energy Technology” at NPTEL-AICTE.
<p>Mr.Ra.Aravind, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Interdisciplinary Manufacturing Process Advances and Characterization Techniques” at Jain College of Engineering and Research from 22.07.2025 to 26.07.2025. 	<p>Dr.N.Sivashankar, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Interdisciplinary Manufacturing Process Advances and Characterization Techniques” at Jain College of Engineering and Research from 22.07.2025 to 26.07.2025.
<p>• FDP on “Smart Materials and Digital Advancements for Future Manufacturing Systems” at Easwari Engineering College and Research from 04.08.2025 to 09.08.2025.</p>	<ul style="list-style-type: none"> • FDP on “Recent Trends and Advancements in Mechanical Science” at Rathinam Technical Campus from 15.09.2025 to 20.09.2025.
<p>• FDP on “Innovative Applications of Mathematics” at Baptala Engineering College from 17.11.2025 to 22.11.2025.</p>	<ul style="list-style-type: none"> • FDP on “Innovations in Advanced Materials, optimization and Sustainable Energy Systems” at SRM Institute of Science and Technology from 15.12.2025 to 20.12.2025.

<p>Mr.S.Mohankumar, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Digital Revolution in Industry 4.0” at Ganesh College of Engineering from 14.07.2025 to 20.07.2025. • FDP on “Interdisciplinary Manufacturing Process Advances and Characterization Techniques” at Jain College of Engineering and Research from 22.07.2025 to 26.07.2025. • FDP on “Shaping the Future of Manufacturing with 3D Printing Techniques” at Sardar Patel Engineering College from 01.12.2025 to 06.12.2025. • FDP on Manufacturing and Industry 4.0 Technologies and Applications” at SEACOM Skills University School of Engineering from 08.12.2025 to 13.12.2025. 	<ul style="list-style-type: none"> • FDP on “Emerging Technologies in Mechanical Engineering towards Sustainability” at Annamacharya University, AndhraPradesh from 03.11.2025 to 08.11.2025.
<p>Dr.S.Kumaravel, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Innovations in Additive Manufacturing for Green and Sustainable Future” at Dhanalakshmi Srinivasan College of Engineering and Technology from 25.08.2025 to 30.08.2025. • FDP on Manufacturing and Industry 4.0 Technologies and Applications” at SEACOM Skills University School of Engineering from 08.12.2025 to 13.12.2025. • FDP on “Smart Manufacturing and Industry 4.0: Bridging the Gap between Academia and Industry” at Amity University from 15.12.2025 to 20.12.2025. 	<p>Mr.J.Mahendran, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Outcome Based Education” at Dr.N.G.P Institute of Technology from 01.12.2025 to 05.12.2025.
<p>Mr.N.Kawin, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Generative AI and Prompt Engineering” at R P Sarathy Institute of Technology from 27.10.2025 to 31.10.2025. • FDP on “Innovations in Advanced Materials, optimization and Sustainable Energy Systems” at SRM Institute of Science and Technology from 15.12.2025 to 20.12.2025. 	<p>Dr.N.Ravikumar, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Next Gen Teaching Strategies for AI driven Lesson Planning, Research Support and Student Engagement with Chatgpt” at K G Reddy College of Engineering from 17.11.2025 to 22.11.2025. • FDP on “Recent Research Trends in Mechanical Engineering” at Kongunadu College of Engineering and Technology from 08.12.2025 to 13.12.2025. • FDP on “Innovations in Advanced Materials, optimization and Sustainable Energy Systems” at SRM Institute of Science and Technology from 15.12.2025 to 20.12.2025.
<p>Dr.P.Muthukumar, ASP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Techniques of Materials Characterization” at NPTEL-AICTE. 	<p>Mr.M.Maniyaran, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Automation in Manufacturing” at NPTEL-AICTE. • FDP on “Outcome Based Education” at Dr.N.G.P Institute of Technology from 01.12.2025 to 05.12.2025.
<p>Mr.V.Muthukumar, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Automation in Manufacturing” at NPTEL-AICTE. • FDP on “Metal Additive Manufacturing” at NPTEL-AICTE. • FDP on “Solar Energy Engineering and Technology” at NPTEL-AICTE. • FDP on “Techniques of Materials Characterization” at NPTEL-AICTE. 	<p> Workshop/Seminar/Webinar</p> <p>Dr.G.Saravanan, Associate Professor, attended Workshop on NPTEL Stars held at Indian Institute of Technology, Madras on 06.07.2025.</p>
<p>Mr.M.Dineshkumar, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Solar Energy Engineering and Technology” at NPTEL-AICTE. 	<p>Mr.R.Arivazhagan, ASP, attended Workshop on Innovations in Advanced Materials and Intellectual Property Management in Science and Technology held at Sona College of Technology on 05.08.2025.</p>
<p>Dr.J.Selvaraj, AP, Mechanical Engineering department attended</p> <ul style="list-style-type: none"> • FDP on “Design Thinking for Engineers” at KPR Institute of Engineering and Technology from 27.09.2025. 	<p>Dr.D.Jagadeesh, Professor, attended Workshop on Design Thinking for Engineers held at KPR Institute of Engineering and Technology on 27.09.2025.</p>
<p>Dr.K.Periasamy, Professor, attended Workshop on Design Thinking for Engineers held at KPR Institute of Engineering and Technology on 27.09.2025.</p>	<p>Dr.K.Periasamy, Professor, attended Workshop on Design Thinking for Engineers held at KPR Institute of Engineering and Technology on 27.09.2025.</p>
<p>Mr.R.Periyasamy, AP, attended Workshop on Semiconductor Packaging and Testing held at SASTRA Deemed university from 22.08.2025 to 23.08.2025.</p>	<p>Mr.R.Periyasamy, AP, attended Workshop on Research Frontiers in Healthcare Analytics with Deep Learning : A Hands on Approach using Python held at Vellore Institute of Technology on 11.10.2025.</p>
<p>Mrs.V.Selvam, AP, attended Workshop on Empowering Future Engineers with Drone Technology held at Excel Engineering College on 27.10.2025.</p>	<p>Mrs.V.Selvam, AP, attended Workshop on Empowering Future Engineers with Drone Technology held at Excel Engineering College on 27.10.2025.</p>

Mr.C.Dineshbabu, AP, attended Workshop on Empowering Future Engineers with Drone Technology held at Excel Engineering College on 27.10.2025.

Mr.S.Mohankumar, AP, attended Workshop on Empowering Future Engineers with Drone Technology held at Excel Engineering College on 27.10.2025.

Mr.S.K.Karthikeyan, AP, attended Workshop on Building Next Generation Application using Generative AI held at Kongu Engineering College on 15.11.2025.

Mr.G.Selvakumar, AP, attended Workshop on Building Next Generation Application using Generative AI held at Kongu Engineering College on 15.11.2025.

Mr.RA.Aravind, AP, attended Workshop on Building Next Generation Application using Generative AI held at Kongu Engineering College on 15.11.2025.

● **NPTEL Courses**

Dr.K.Periasamy, Professor, had successfully completed 12 weeks NPTEL course on Sustainable Energy Technology.

Dr.G.Saravanan, ASP, had successfully completed 12 weeks NPTEL course on Sustainable Energy Technology.

Dr.P.Muthukumar, ASP, had successfully completed 12 weeks NPTEL course on Techniques of Material Characterization.

Mr.S.K.Karthikeyan, ASP, had successfully completed 12 weeks NPTEL course on Metal Automation in Manufacturing.

Dr.A.Nithya, ASP, had successfully completed 12 weeks NPTEL course on Principles of Economics.

Mr.P.Raja, AP, had successfully completed 12 weeks NPTEL course on Sustainable Energy Technology.

Mr.S.Chandrakumar, AP, had successfully completed 12 weeks NPTEL course on Sustainable Energy Technology.

Mr.G.Selvakumar, AP, had successfully completed 12 weeks NPTEL course on Automation in Manufacturing.

Mrs.V.Selvam, AP, had successfully completed 12 weeks NPTEL course on Sustainable Energy Technology.

Mr.M.Maniyaran, AP, had successfully completed 12 weeks NPTEL course on Automation in Manufacturing.

Mr.V.Muthukumar, AP, had successfully completed 12 weeks NPTEL course on Automation in Manufacturing.

Mr.M.Dineshkumar, AP, had successfully completed 12 weeks NPTEL course on Solar Energy Engineering and Technology.

Mr.E.Sivaprakash, AP, had successfully completed 12 weeks NPTEL course on Solar Energy Engineering and Technology.

Mr.V.Muthukumar, AP, had successfully completed 12 weeks NPTEL course on Solar Energy Engineering and Technology.

Mr.V.Muthukumar, AP, had successfully completed 12 weeks NPTEL course on Techniques of Material Characterization.

Mr.S.Mohankumar, AP, had successfully completed 12 weeks NPTEL course on Introduction to Composites.

Mr.R.Periyasamy, AP, had successfully completed 12 weeks NPTEL course on Rapid Manufacturing.

Mr.V.Muthukumar, AP, had successfully completed 12 weeks NPTEL course on Metal Additive Manufacturing.

Dr.N.Ravikumar, AP, had successfully completed 12 weeks SWAYAM course on Metal Additive Manufacturing.

● **Students Achievement**

● **Prize Winners**

Madheshwaran S, Marimuthu L and Vikash M III Year, Won Third prize in 'Paper Presentation' conducted at Vinayaka Mission's Kirupananda Variyar Engineering College, Salem on 17.09.2025.

Srikanth L, III Year, won Third Prize in 'Treasure Hunt' conducted at Kongu Engineering College, Erode on 15.09.2025.

● **Paper Presentation**

IV Year (7 Students) attended Paper presentation at Sree Sowdambika College of Engineering, Aruppukottai on 14.08.2025.

III Year (7 Students) attended Paper presentation at Muthayammal Engineering College, Namakkal on 13.08.2025.

II Year (4 Students) and III Year (4 Students) attended Paper presentation at Indra Ganesan College of Engineering, Trichy on 26.08.2025.

IV Year (6 Students) attended Paper presentation at K.Ramakrishna College of Engineering, Trichy on 29.08.2025.

II Year (3 Students) attended Paper presentation at Vinayaka Mission's Kirupananda Variyar Engineering College, Salem on 03.09.2025.

II Year (8 Students) attended Paper presentation at Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai on 03.09.2025 & 04.09.2025.

III Year (6 Students) and II Year (12 Students) attended Paper presentation at Kongu Engineering College, Perundurai, Erode on 15.09.2025.

III Year (2 Students) and II Year (6 Students) attended Paper presentation at Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai on 03.09.2025 & 04.09.2025.

III Year (16 Students) attended Paper presentation at Vinayaka Mission's Kirupananda Variyar Engineering College, Salemon 03.09.2025 & 04.09.2025.

III Year (25 Students) and II Year (10 Students) attended Paper presentation at Indra Ganesan College of Engineering, Tiruchirapalli on 19.09.2025.

III Year (11 Students) attended Paper presentation at Velammal Engineering College, Chennai on 20.09.2025.

III Year (12 Students) attended Paper presentation at Excel Engineering College, Namakkal on 20.09.2025.

III Year (7 Students) attended Paper presentation at Arasu Engineering College, Kumbakonam on 24.09.2025.

IV Year (4 Students) attended Paper presentation at Kongu Engineering College, Erode on 26.09.2025.

II Year (10 Students) attended Paper presentation at Sengunthar Engineering College, Namakkal on 25.09.2025 & 26.09.2025.

II Year (14 Students), III Year (7 Students) and IV Year (2 Students) attended Paper presentation at Nandha College of Technology on 26.09.2025.

II Year (5 Students), III Year (20 Students) and IV Year (3 Students) attended Paper presentation at KPR Institute of Engineering and Technology, Coimbatore on 26.09.2025.

IV Year (7 Students) attended Paper presentation at Selvam College of Technology, Namakkal on 25.10.2025.

III Year (3 Students) attended Paper presentation at Paavai Engineering College, Namakkal on 07.11.2025 & 08.11.2025.

Project Presentation

IV year (7 Students) attended Project Presentation at Sree Sowdambika College of Engineering, Aruppukottai on 14.08.2025.

IV year (6 Students) attended Project Presentation at K.Ramakrishna College of Engineering, Trichy on 29.08.2025.

Mohammed Sadheeth.S II Year attended Project presentation at Karpagam Institute of Technology, Coimbatore on 13.09.2025.

Nitheeshkumar T and Surya M III Year attended Project presentation at Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai on 17.09.2025.

IV year (10 Students) attended Project Presentation at Sri Sai Ranganathan Engineering College, Coimbatore on 19.09.2025.

IV year (13 Students) attended Project Presentation at Sri SRM Valliammai Engineering College, Chennai on 20.09.2025.

IV year (8 Students) attended Project Presentation at Selvam College of Technology, Namakkal on 25.09.2025.

IV year (8 Students) attended Project Presentation at Selvam College of Technology, Namakkal on 25.10.2025.

Jegan Kalidass S and Sivasundar M IV Year attended Project presentation at Sethu Institute of Technology, Kariapatti on 26.09.2025.

IV year (11 Students) attended Project Presentation at Kongu Engineering College, Perundurai, Erode on 26.09.2025.

IV year (15 Students) attended Project Presentation at Nandha College of Technology, Erode on 26.09.2025.

III Year (3 Students) and IV year (27 Students) attended Project Presentation at KPR Institute of Engineering and Technology on 27.09.2025.

IV year (6 Students) attended Project Presentation at Anna University Regional Campus, Madurai on 27.09.2025.

IV year (8 Students) attended Hackathon at Coimbatore Institute of Technology, Coimbatore on 29.09.2025 & 30.09.2025.

III Year (3 Students) attended Project Presentation at PSG College of Arts and Science on 25.11.2025.

Workshop

93 Students (II, III & IV Year) were attended 12 Workshops from July 2025 to December 2025.

Seminar

13 Students (II & III Year) were attended 2 Seminars from July 2025 to December 2025.

Technical Events

14 Students (II, III & IV Year) were attended in various Technical Events from July 2025 to December 2025.

IIT SPOKEN TUTORIAL

270 Students (II, III & IV Year) had successfully completed 3 IIT SPOKEN TUTORIAL courses.

NPTEL Course

127 Students (III & IV Year) had successfully completed the 12 weeks NPTEL Course.

Industrial Visit

- Bharat Heavy Electricals Ltd.(BHEL)-Trichy.
- S.R Paper Board, Tiruchengode.
- S & T Workshop, Southern Railway, Podanur, Coimbatore.
- Sri Vethaa Dairy Private Limited, Musiri.
- Mettur Thermal Power Station, Mettur Dam, Salem.
- Hatsun Agro Product Limited, Salem.

Placement Details

S.NO	NAME OF THE COMPANY	NO.OF STUDENTS PLACED
1	TVS Harita Techserv Pvt. Ltd	25
2	TryCAE Industrial Engineering Pvt. Ltd.	05
3	Infosys	01
4	K2 Cranes and Components Pvt. Ltd	17
5	Cistron Technologies	14
TOTAL		62

● Value Added Courses

- SOLIDWORKS
- CATIA V5

● Fund Received

Shamyuktha S, IV Year awarded Rs.15 Lakhs fund by MSME Innovation Challenge. The Project was titled "Foot Ease Pro-AI Powered Smart Insole for Personalized Foot Massage and Comfort" and Dr D.Jagadeesh Professor and Head, Department of Mechanical Engineering, Kongunadu College of Engineering and Technology served as the mentor.

Mahesh Boopathy A, IV Year awarded Rs.15 Lakhs fund by MSME Innovation Challenge. The Project was titled "Sand Based Energy Storage System to Integrate Intermittent Renewable Energy Sources" and Mr.C.Dineshbabu, Assistant Professor, Department of Mechanical Engineering, Kongunadu College of Engineering and Technology served as the mentor.

Rahul N, Sabari M and Sounthirarajan V IV Year awarded Rs.7,500 fund by Tamilnadu State Council for Science and Technology. The Project was titled "Arduino based dry and wet automatic floor cleaning" and Dr.P.Muthukumar, Associate Professor, Department of Mechanical Engineering, Kongunadu College of Engineering and Technology served as the mentor.

Heartfelt thanks to all the faculty members of Kongunadu College of Engineering and Technology and our well-wishers.

VISION**COLLEGE VISION & MISSION**

“To become an internationally renowned Institution in technical education, research and development, by transforming the students into competent professionals with leadership skills and ethical values.”

MISSION

- ❖ Providing the best resources and Infrastructure.
- ❖ Creating Learner centric Environment and continuous –Learning.
- ❖ Promoting Effective Links with Intellectuals and Industries.
- ❖ Enriching Employability and Entrepreneurial Skills.
- ❖ Adapting to Changes for Sustainable Development.



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