



## DEPT OF MECHANICAL ENGINEERING

January – June 2025



An industry led webinar on “Geometric Dimensioning and Tolerancing” was organized on 24-02-2025. **Mr. P. P. Manith**, Lead Engineer at ER & D, Capgemini Engineering was the resource person. **Dr. M. A. Vinayaga Moorthi**, Assistant Professor – III, coordinated the event.



Another industry-led seminar session on “Design and Manufacturing of Gear Box” was organized by the department on 26-02-2025. **Mr. R. Mohan Prakash**, Design Engineer, R & D, ZF Wind Power, Coimbatore was the resource person. **Dr. N. Sangeetha**, Senior Associate Professor and **Mr. P. D. Devan**, Assistant Professor – II coordinated the seminar.



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As a part of Yugam 2025, a Workshop on “Sensor and Actuator” was organized on 03-03-2025. **Mr. Gunasekaran Lingasamy** (Project Manager/ Senior Professional), and **Mr. Ramkumar H** (Senior Consultant), Capgemini Engineering were the resource persons. **Dr. M. A. Vinayaga Moorthi**, Assistant Professor – III and **Dr. T. Karuppusamy**, Assistant Professor – III coordinated the event.



Another Industry-led Session for the course “U18MEE0004-R21/ Design for Manufacturing and Environment was organized on 13-03-2025. **Mr. Sidhaarth Krishnamoorthy**, Founder, 4Q Dental Lab, Senior Director DITAR Solution, Coimbatore was the resource person. **Dr. V. Muthukumaran**, Professor, coordinated the session.





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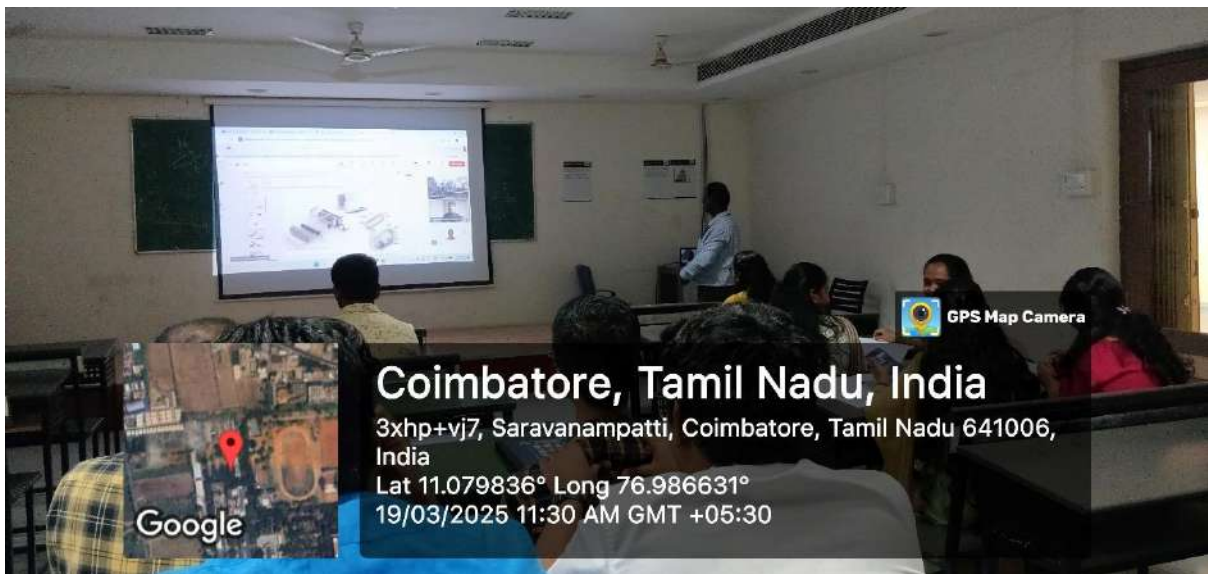
An Industry-led Session for the course “U18MET4007-Basics of Mechanical Engineering” was organized on 12-03-2025. **Mr. Senthilkumar**, Senior Executive Engineer, Lakshmi Machine works, (Unit-I), Periyanaickenpalayam, Coimbatore was the resource person. **Dr. T. Karuppusamy**, Assistant Professor – III coordinated the event. One more industry-led session for the same course was held on 22-03-2025 and was coordinated by **Dr. Karuppusamy**. **Mr. K. Kathir Balaji**, Deputy Manager, Innovation & Research, Titan Company Limited, Hosur was the resource person.



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For the course, "U18MET4003-Kinematics of Machinery" an Industry-led Session was organized on 17-03-2025. **Mr. Gautham Siddharth**, B.E., Mechanical Design Lead at Titan Engineering & Automation Limited, Hosur was resource person. **Dr. C. Velmurugan**, HoD and **Dr. T. Karuppusamy**, Assistant Professor – III coordinated the session."



**Dr. R. Manivel**, Professor and **Mr. S. Sivakumar**, Assistant Professor – II coordinated an industry led-session for the course "U18MEI6201 – Heat and Mass Transfer" on 19-03-2025. **Mr. Sudalaiyandi Durkesh P**, Design Engineer, Acoustics, Khatib & Alami, Bengaluru was the resource person.





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Further, another Industry-led Session was organized for the course "U18MEI6203 - Finite Element Analysis", on 22-03-2025. **Mr. S. Sam Vimal Kumar**, CAE Engineer Valeo India Pvt Ltd, was the resource person. **Dr. M. Thirumalai Muthukumaran**, Assistant Professor - III coordinated the event.



**Dr. T. Sivakumar**, Manager- O & M at Suzlon Infrastructure and Services Limited, Vanku, Gujarat was the resource person for an industry led session for the course "U18MEE0027 Renewable Energy Sources". **Dr. P. R. Ayyappan**, Assistant Professor (SRG) coordinated the session.



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One more Industry-led Session for the course “U18MEE0016 – Plant Layout and Process Design” was organized on 25-03-2025. **Mr. Sedhu Siddarth R**, Project Engineer, Hirotec India Pvt Ltd, Coimbatore – 641035 was the resource person. **Dr. V. R. Muruganantham**, Associate Professor, coordinated the session.



Industry-led Session for the course on “P18MB00008 - Personal Investment Management” was organized on 25-03-2025. **Mr. Gowtham Dhamotharasamy**, a distinguished Social-Entrepreneur, Angel Investor, Professional Trainer, Wealth Coach and Alumni of KCT Business School and KCT and the founder of FINCLINIQ, Coimbatore was the resource person. **Mr. K. Manikanda Prasath**, Assistant Professor – II, coordinated the event. Further, following international co-teaching sessions were coordinated by **Mr. K. Manikanda Prasath**, Assistant Professor – II, for the courses “U18EEI4207 Electrical Drives and Control” and “U18MET6005 Applied Materials Engineering” as detailed below.





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Speed Control of Induction Motors on 10-03-2025, 20-03-205 and on V/F control using VSI on 17-03-2025, and SCR based Voltage Controller on 13-03-2025. **Ir. Assoc. Prof. Dr. Gobbi A/L Ramasamy**, Associate Professor, Faculty of Engineering (FOE) Multimedia University, Persiaran Multimedia Cyberjaya 63100 Selangor was the resource person.



Synthesis of Nanomaterials on 19-03-2025 and Emerging Materials on 18-03-2025, and Application of Drilling in Oil & Gas on 25-03-2025, Sustainable Materials on 21-03-2025. **Prof. Chithirai Pon Selvan, Director - Research & Head of School, Science and Engineering, Curtin University, Dubai** was the resource person.



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**Mr. K. Arumugam**, Senior Technical Associate of the department organized State Level Chess Competition as part of Kumaraguru Institutions, Dr. N. Mahalingam Chess Academy and Friends Chess Club, Coimbatore on 23-03-2025. Under 7 categories 439 students across the state participated.



Tamil Nadu's largest Women Hackathon "TNWISE 2025" with the theme "Transportation and Mobility" was organized by the department on 28-03. **Dr. Hiran Vedam** – Co-Founder & Chief Catalyst, **Mr. Praveen Bhagoji** – Senior Project Manager, La Foundation Dassault Systemes, **Wg Cdr P. Madhusoodhanan** – Director, TANCAM, **Mr. SM Vijayadeepan** – CEO, TANCAM, **Ms. Thendral Rajendran** – Vice President, Corporate & Industry Relations, TANCAM, **Mr. R. Ambalavanan** IA & AS – Director, EDII-TN, **Mr. PM Ravikumar** – Former Board Member, Dassault Systemes India, **Mr. M. Karthikeyan** – President, CODISSIA were the chief guests. 2025. **Dr. C. Velmurugan**, HoD and **Mr. R. S. Mohankumar**, Assistant Professor – II coordinated the event.

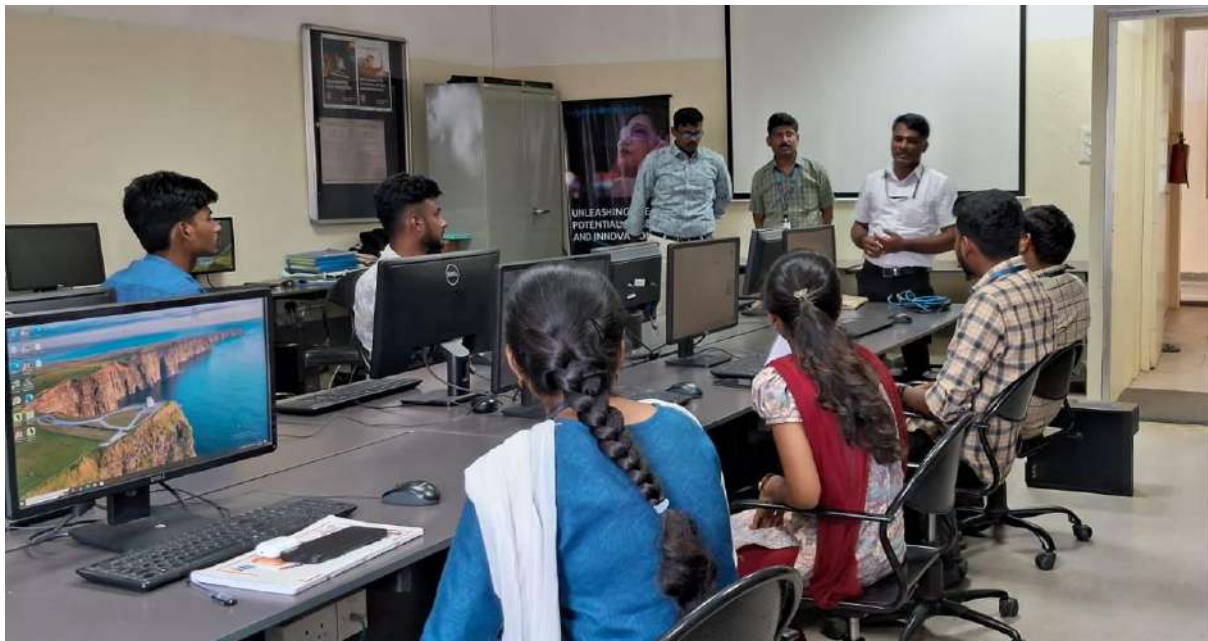




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An online Industry-led Session was organized by the department on 26-03-2025. **Ms. Vipraja Pulluru**, Delivery Manager, Stellantis PLM Bundle, Capgemini Engineering was the resource person. **Mr. R. S. Mohankumar**, Assistant Professor – II, coordinated the session.



CAD Training was arranged by the department from 19-02-2025 to 28-02-2025 to the students who got placed in CAPGEMINI Engineering. **Mr. J. Abdullah**, Chief Technical Officer, Coimbatore Cad Solutions Pvt. Ltd., was the resource person. **Dr. M. A. Vinayaga Moorthi**, Assistant Professor – III, coordinated the training.



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A Career Planning Session for Mechanical Engineering Students titled “Leap to destiny” was organized in the department on 23-04-2025. **Mr. V. Sathyamoorthy**, Co-founder, The Master Academy (GATE), Coimbatore was the resource person. **Dr. V. Muthukumaran**, Professor, **Dr. K. M. Senthilkumar**, Associate Professor, and **Dr. S. Balaji**, Assistant Professor – III coordinate the session.



As a part of virtual open day – a virtual event, department organized a webinar on 28-04-2024 for the general public. **Mr. R. S. Mohankumar**, Assistant Professor – II, addressed the gathering. **Dr. M. A. Vinayagamoorthis**, Assistant Professor – III, **Dr. B. N. Sreeharan**, Assistant Professor – III and **Mr. K. Manikandaprasath**, Assistant Professor – II coordinated the event.





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Capgemini MEDA Training 2025 was organized by the department from 23-12-2024 to 30-05-2025 (4 Months). **Mr. J. Abdullah**, Chief Technical Officer, CAD Solutions, **Dr. N. Sangeetha**, Senior Associate Professor, **Mr. P. D. Devan**, Assistant Professor - II, **Dr. T. Karuppusamy**, Assistant Professor – III, **Mr. S. Subbiah**, Assistant Professor – II, **Dr. B. N. Sreeharan**, Assistant Professor – III, provided the training. The entire training programmes was coordinated by **Dr. M. A. Vinayagamoorthi**, Assistant Professor – III.



A Workshop on Industrial Research Proposal Development and Funding Acquisition was organized in the department on 16-05-2025. **Mr. G. S. Sankar**, Engineering Manager, Caterpillar India, Chennai was the resource person. The workshop was coordinated by **Mr. R. S. Mohankumar**, Assistant Professor – II.



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An outreach programme titled “**Machine Engineering Career Orientation**” was jointly organized: by the department with Charitham, Coimbatore on 10-05-2025 for the school students and their Parents to understate career opportunities in mechanical sciences. **Mr. K. Manikanda Prasath**, Assistant Professor – II, organized and coordinated the programme.



**Dr. M. Balaji**, Associate Professor, coordinated Annual Stock Verification in the campus on 28-04-2025 where Inventory Stock of 21 departments were inspected by a dynamic team of around 40 faculty, with the aim of identifying Scrap, Obsolete, Repairable, Non-Repairable and Missing items by and large.