ATME College of Engineering

MECH TIMES

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FROM EDITORS' DESK

I'm happy to bring out 12th volume, Issue-2 of our newsletter series, which portrays the even semester activities of 2025-26.

HoD and Staff of Mechanical Engineering department heartly congratulate students of the department for their achievements and participations in different sectors.

I thank the editorial board in bringing out this newsletter. I wish all the readers a happy reading.

Dr. Chethan S



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Technical Talk on "Industrial Revolution 4.0 & Emerging Trends in Mechanical Engineering"

The Department of Mechanical Engineering, ATME College of Engineering, Mysuru, in association with the ISTE Student Chapter, successfully organized a technical talk on the topic "Industrial Revolution 4.0 & Emerging Trends in Mechanical Engineering" on 27th May 2026 at 11:00 AM in the Seminar Hall, Civil Department.

The session aimed to create awareness among students about the latest advancements in Industry 4.0 technologies and their applications in the field of Mechanical Engineering. The event witnessed enthusiastic participation from students and faculty members of the department.

The keynote session was delivered by Dr. Ramachandra C G, Professor and Program Coordinator, Department of Mechanical Engineering, Presidency University, Bengaluru. The resource person shared valuable insights on smart manufacturing, automation, artificial intelligence, robotics, Internet of Things (IoT), digital manufacturing and future career opportunities in emerging technologies. The session helped students understand the transformation taking place in industries and the skills required to meet future industrial demands.





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MECHTRIX 2K26

The Department of Mechanical Engineering, ATME College of Engineering, Mysuru, in association with the ISHRAE Student Chapter, successfully organized a State Level Technical Fest – MECHTRIX – 2K26 on 02nd June 2026 at 11:00 AM in the Seminar Hall, Mechanical Department.

The programme commenced with the inauguration ceremony in the presence of distinguished dignitaries from ISHRAE Mysore Chapter and ATME College of Engineering. The event was graced by Mr. Rahman Sheriff, President, ISHRAE Mysore Chapter, as the Chief Guest and Dr. Chethana G D, President-Elect, ISHRAE Mysore Chapter, as the Guest of Honour.

Following the inauguration, various technical and competitive events were conducted under MECHTRIX 2K26. The events included Closest to Time, a prediction-based challenge testing precision and estimation skills; CAD War, which assessed participants' design and modeling abilities; Cut Tik Arena, which evaluated manufacturing and machining skills; Weld War, focusing on fabrication and structural assembly; and Truss Stress, which tested the participants' understanding of structural design, strength, and teamwork.





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Industrial Visit

Visit to JK Tyre Industries Ltd.-OTR Plant-3, Mysuru

- Department of Mechanical Engineering has arranged industrial visit to 4th semester students on 15.04.2026 Wednesday as part of *Industry-Institute interaction*. The industry visited is OTR (Off the Road) Plant-3, *JK Tyres Industry Ltd.* Mysuru.

- JK Tyres, OTR Plant Manager-HR Mr.Nagaraj received the students and briefed about the company and production activities through videos and PPTs at meeting room. After the presentation, the students took to the shop floor where production activities are being carried out. While taking the students at different sections in the shop floor, the Deputy Manager Mr.Uday kumar explained the production processes of ultra large tyres which are meant for off the road (OTR) services.

- The students had effective interactions with Mr.Uday kumar about the number of parameters and precautions to be taken care to get defect free tyres in their productions. This visit helped the students to gain knowledge on manufacturing activities, sequence of operations and stages involved in the production of tyres.

- The two faculty members, Prof. Devaraj M R and Prof. Raghu accompanied the students. At the end of the visit, expressed thanks to Manager-HR Mr. Nagaraj and Deputy Manager Mr. Uday Kumar who accompanied the students during the plant visit.



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Visit to Karnataka Silk Industries Corporation (KSIC), Mysuru

An industrial visit was organized for the students of 4th Semester Mechanical Engineering to Karnataka Silk Industries Corporation (KSIC) located in Mysuru on 15.04.2026 Wednesday. KSIC is a renowned silk weaving industry engaged in the production of high-quality silk sarees under the famous Mysore Silk brand. The visit was arranged to provide students with practical exposure to industrial operations, textile manufacturing processes, and machine applications used in the silk industry.

During the visit, students were guided by industry supervisor who explained the complete process of silk saree manufacturing. Students visited various sections of the plant and observed the machinery used in production.

Students observed the processes of the following:

(a) **Raw Material Preparation:** Silk yarn is procured and checked for quality before processing.

(b) **Dyeing Process:** The silk threads are dyed in different colors using controlled temperature and chemical processes.

(c) **Warping:** Threads are arranged systematically on beams for weaving.

(d) **Weaving Process:** Silk sarees are woven using power looms and jacquard looms for intricate designs.

(e) **Finishing:** The woven sarees are polished, checked, ironed, and prepared for sale.



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Faculty Publications

Sl. No.	Faculty Name	Title of Research Paper	Journal name	Month/year of Publication
1.	Dr. Chethan S	Optimizing Mechanical Performance of Carbon Fiber-PLA Composites Developed by Fused Deposition Modelling	Journal of The Institution of Engineers (India): Series D	January 2026
2.	Dr. Chethan S	Study on the Mechanical Performance of SiC–B_4C Reinforced LM25 Aluminium Composites	Journal of The Institution of Engineers (India): Series D	January 2026
3.	Dr. Chethan S	Experimental and data-driven investigation of dry sliding wear behaviour in Al 6061–graphite composites	Canadian Metallurgical Quarterly	April 2026
4.	Dr. Chethan S	Interactive design-oriented prediction of mechanical performance in friction stir welded AA5052–AA6061 joints	International Journal on Interactive Design and Manufacturing (IJIDeM)	June 2026
5.	Niranjan Kumar V S	Development and Characterization of Al6061-Rice Husk Ash and Al6061-Fly Ash Composites for Tribological Brake Disc Applications	Tribology in Industry	Feb 2026
6.	Dr. Chethan S	Investigation and Characterization of Nanoparticles from Temple Bell Composites for Regulating Microorganisms in Temple Environments	Journal of the Institution of Engineers India Series D	April 2026
7.	Dr. Chethan S	Electrochemical Investigation of Supercritical Fluid Synthesized Novel Heterostructure MXene/MoS2/PANI	Journal of the Electrochemical Society	March2026

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Faculty Publications

Sl. No.	Faculty Name	Title of Research Paper	Journal name	Month/year of Publication
8.	Dr. Chetana S	Insight into high-entropy oxides as anodes, cathodes, and solid-state electrolytes for advancing Li-ion batteries: A comprehensive review	Journal of energy storage	April 2026
9.	Dr. Chetana S	Ternary Cu2ZnSnS4/MoS2/CNT-Heterostructure as a High-performance Super capacitor Electrode Material	Journal of the electrochemical society	Dec 2025
10.	Dr. Chetana S	Catalytic Reduction of Organic Pollutants and Anticancerous Activity of Eco-Friendly Synthesized ZnO Nanoparticles Using Dill Seed Extract	Topics in catalysis	April 2026
11.	Dr. Chetana S	Mn3O4@TC Nanostructures for Enabling Zn2+ Storage via Synergistic Interfacial Engineering	Journal of the electrochemical society	October 2025



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Domain Specific Technical Training (Dst)

Academic Year	Training Level (DST)	Semester	Duration (hours)	Domain	Topic	Training Institute
2025-26	Level-4	VII	50	Design Engineering	MATLAB Programming	CAD DESK, Mysuru
				Automation/ Robotics/ Mechatronics	Industrial Application Oriented Automation in PLC and SCADA, Integration of AI&ML	KGTTI, Mysuru
	Level-3	VI	50	Design Engineering	FEA Software - 1	CAD DESK, Mysuru
				Automation/ Robotics/ Mechatronics	Advanced PLC Programming and SCADA	KGTTI, Mysuru
	Level-1	IV	50	Design Engineering	Basic Modelling Software	CAD DESK, Mysuru
				Automation/ Robotics/ Mechatronics	Industrial Robotics – Basics	IROBO-Automation Pvt. Ltd. Mysuru

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2025-26 Even Semester Toppers

4th Sem



SHAHID AHMED
SGPA-8.6



PRAKASHA M
SGPA-8.05

6th Sem



SYED AHMED SAAD
SGPA-8.22



RAJU S R
SGPA-7.78

8th Sem



KIRAN KUMAR S
SGPA- 10



DARSHAN R
SGPA – 10

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Student Achievement

4th Sem student Participated events (MYSIRI) organized by MYCEM, Mysore and won the Prize.





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Group Photo
8th Semester, 2022-2026 Batch

