



THE COTERIES BULLETIN

NEWSLETTER BY THE DEPARTMENT OF MECHANICAL ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

ASPREN '26 PROJECT EXPO

Final Year Student Project
Exhibition and Contest



April 6
2026



College
Auditorium



09.30 AM

THIS ISSUE

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- THE HUB

OUR VISION

To make the Mechanical Engineering Program a Centre of Excellence in Professional Education and Research.

OUR MISSION

- To provide quality education for moulding competent professionals in Mechanical Engineering.
- To promote collaborative activities and positive contributions to society.
- To facilitate a continuous learning environment.



DEPARTMENT OF MECHANICAL ENGINEERING

ABOUT ASIET

The Adi Shankara Institute of Engineering & Technology (ASIET), established in Kalady, aims to provide value-added technical education that fosters professional excellence and ethical values in students. Managed by the Adi Sankara Trust, a respected educational organisation under the blessings of His Holiness Jagadguru Sri Sri Bharati Tirtha Mahasannidhanam and His Holiness Jagadguru Sri Sri Vidhushekhara Bharati Sannidhanam of Dakshinamnaya Sri Sharada Peetham, Sringeri, the trust has operated various educational institutions for over 50 years.

Founded in 2001, ASIET is committed to the holistic development of its students. It is affiliated with A P J Abdul Kalam Technological University, approved by AICTE, and offers UG, PG, and PhD courses. Five of its streams (CE, CSE, ECE, EEE, and ME) are NBA accredited, reflecting its commitment to quality education.

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INSTITUTIONAL EVENTS

Empowering Young Minds – ASPREN '26

The ASPREN '26 Project Expo, organized by the final-year students of Adi Shankara Institute of Engineering and Technology (ASIET), was a resounding success on April 6th, 2026, at the College Auditorium. Faculty members and staff joined the vibrant exhibition, engaging with student teams and applauding their innovative project ideas. The expo created an inspiring atmosphere that encouraged innovation, learning, and knowledge sharing across departments.



IEDC Bootcamp 2026: A Night of Innovation

IEDC ASIET is organizing IEDC Bootcamp 2026, an overnight innovation camp exclusively for first-year ASIET students on April 17–18, 2026. With the theme “One Night. Endless Ideas.”, the event includes team challenges, idea-building sessions, collaborative activities, and hands-on innovation experiences. The bootcamp aims to encourage creativity, teamwork, and problem-solving among students while providing a fun and interactive learning environment. Registration closes on April 10, 2026, and limited slots are available for participants.



Alumni Come Home: Industry Leader Talks Academia-Industry Ties

Adi Shankara Institute of Engineering and Technology, in association with AAKASHIEN, hosted an insightful session titled "From Alumni to Allies: Strengthening Academia-Industry Ties" on 16th May 2026. Mr. Sujith Unni M S, President of the ASIET Alumni Association and Director at the American Chamber of Commerce (AMCHAM), addressed students and faculty at the ECE Seminar Hall, sharing how alumni can serve as a powerful bridge between the institution and the industry world.



BRIDGING THE GAP BETWEEN ACADEMY AND INDUSTRY

IN ASSOCIATION WITH
AAKASHIEN



TOPIC:
From Alumni to Allies:
Strengthening Academia-Industry Ties

Mr. Sujith Unni M S
President
ASIET Alumni
Director - American Chamber of Commerce (AMCHAM)

16/05/2026
10:30 A.M - 11:30 A.M
ECE Seminar Hall

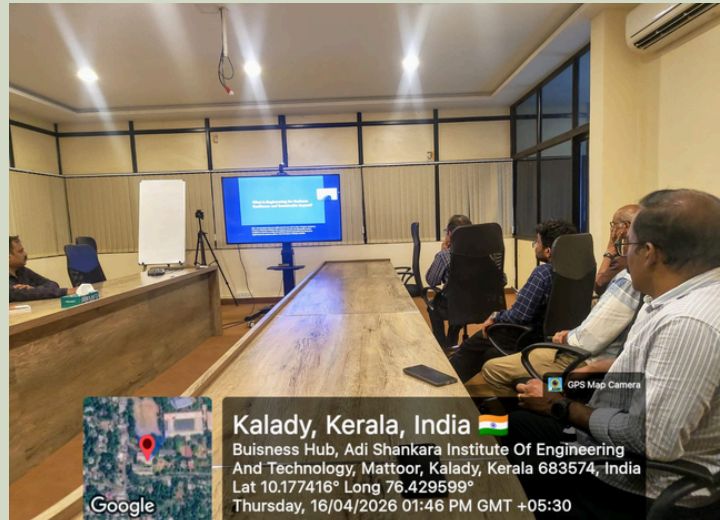
DEPARTMENT EVENTS

Tech Talk on Welding and Automation at ASIET



The Department of Mechanical Engineering, ASIET, conducted a technical talk on "Advances in Welding Processes and Automation: Shaping the Future of Manufacturing" on 7 April 2026. The session was delivered by Dr. Gopala Krishna Pillai, Technical Expert and Consultant in Welding Technology, highlighting recent advancements in welding and automation and their impact on modern manufacturing. The program was organized in association with the IIW ASIET Student Chapter and IIW Cochin Branch.

Building Resilient Futures Through Engineering



The Department of Management Studies and Mechanical Engineering at Adi Shankara Institute of Engineering and Technology organized a masterclass on “Engineering for Business Resilience and Sustainable Impact” on April 16, 2026. The session was led by Dr. Nick Golsby from the University of Warwick.

The programme highlighted the importance of engineering in sustainable industrial growth and business resilience. Dr. Jithesh K and faculty members of the Department of Mechanical Engineering actively participated in the academically enriching session.

A Heartfelt Send-Off for Our Mechanical Engineering Graduates



Following the completion of all academic milestones, the Department hosted a moving interaction session between faculty and final-year students. This emotional gathering allowed professors to share parting wisdom and students to express gratitude for years of mentorship. The afternoon concluded with a celebratory farewell lunch, where shared stories and laughter cemented lifelong bonds as our graduates prepare to embark on their professional journeys.

FACULTY ACHIEVEMENTS

IAES-2026 Conference Presentation Recognition



Dr. Rahul .S. Arackal

Dr. Rahul S. Arackal were awarded certificates for authoring and presenting the technical paper “Preliminary Acoustic Measurement Studies of Noise Emissions from Drone Propeller” at the International Conference on Advances in Aerospace and Energy Systems (IAES-2026). The conference was held at the ISRO Propulsion Complex, Mahendragiri, from 16–18 April 2026, providing a platform for showcasing research in aerospace and energy systems.

Expert Talk on Corrosion in Metal Additive Manufacturing



Dr. Sandeep O .S

The Department of Mechanical Engineering at LBS College of Engineering, Kasaragod held a Faculty Development Programme on “Additive Manufacturing: Recent Trends and Future Perspectives” from May 5–9, 2026. Dr. Sandeep O S presented on “Understanding Corrosion in the Age of Metal Additive Manufacturing,” addressing corrosion challenges in metal 3D printed components and methods to enhance durability and performance in additive manufacturing.

Shaping the Future: Faculty Advances in Digital & Green Manufacturing



Dr. Jithesh .K

Dr. Jithesh K successfully completed the NPTEL online course “Principles of Casting Technology” during the January–March 2026 session. He earned the prestigious Elite Certificate with a consolidated score of 62% in the 8-week course, demonstrating proficiency in key concepts of casting processes and manufacturing technology.

Breaking New Ground in Underwater Robotics



Dr. Nidhin Raj

Dr. Nidhin Raj, Associate Professor in Mechanical Engineering, published a research article titled “Numerical investigation of wake interaction and bio-inspired propulsive performance of tandem flapping foils for soft-robotic underwater locomotion” in the SCIE-indexed journal Scientific Reports. The study focuses on bio-inspired propulsion systems for underwater soft robots, enhancing sustainable locomotion and robotics. We congratulate Dr. Nidhin Raj A on this achievement and wish him ongoing success in research and innovation.

Raising the Bar: Advanced Pedagogy Certification Earned at NITTTR

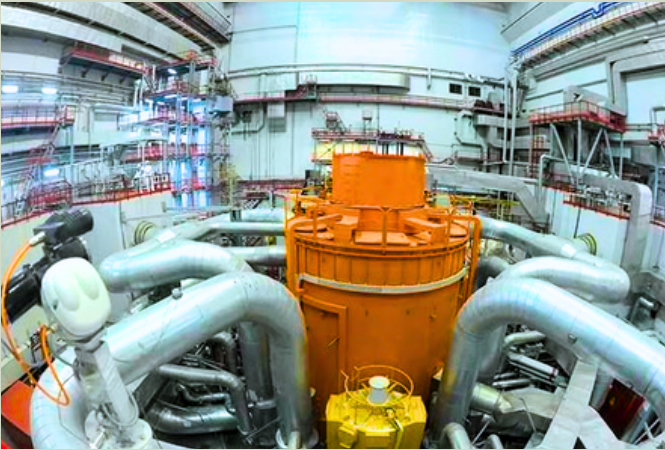


Jithesh S .R

Mr. Jithesh S R, Assistant Professor in Mechanical Engineering, successfully completed the Professional Development Programme (PDP) on Advanced Pedagogy, conducted by NITTTR at its Extension Centre, Kalamassery, from 20th to 24th April 2026. Equivalent to a Faculty Development Programme, the five-day intensive course (30 notional learning hours) was certified by the National Institute of Technical Teachers Training and Research, Chennai. The department congratulates him on this meaningful professional milestone.

THE HUB

India's Fast Breeder Reactor : A Major Step Toward Energy Independence



India has achieved a significant milestone in nuclear technology with the successful operation of its Prototype Fast Breeder Reactor (PFBR) at Kalpakkam, Tamil Nadu. Unlike conventional nuclear reactors that consume fuel, a fast breeder reactor is designed to generate more usable nuclear fuel than it uses, making it a breakthrough in sustainable energy production.

The reactor works by converting non-fissile materials such as Uranium-238 into fissile fuel like Plutonium-239 through neutron absorption. In the future, it can also help convert Thorium-232 into Uranium-233, a fuel that plays a crucial role in India's long-term three-stage nuclear power program.

This achievement is particularly important for India because the country possesses vast thorium reserves. By efficiently producing new nuclear fuel while generating electricity, breeder reactors can reduce dependence on imported energy resources and enhance national energy security.

The success of the PFBR places India among a select group of nations with advanced fast breeder reactor technology. It represents a major step toward cleaner, more sustainable, and self-reliant energy production for the future.

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