



Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY



**A Five Day National Faculty
Development Programme
(Online)
on**

Green Hydrogen Energy & Circular Economy

16-20 June 2026

**Organized by
DEPARTMENT OF
MECHANICAL ENGINEERING
(NBA Accredited B.Tech Program)**

CHIEF PATRONS

**His Holiness Jagadguru Sri Sri Bharati
Tirtha Mahasannidhanam, Dakshinamnaya
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**Dr. Jilse Sebastian – Associate Professor
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St. Joseph's College of Engineering and
Technology, Palai**

Thrust Areas

- Green hydrogen energy
- Hydrogen and its use in IC engines.
- Hydrogen for future energy applications
- Techno economic aspects of green hydrogen and green ammonia production.

SDGs Addressed:



About the Institution:

Adi Shankara Institute of Engineering & Technology (ASIET), established in 2001 at Kalady, is managed by the Adi Sankara Trust under the blessings of Jagadguru Sri Sri Bharati Tirtha Mahasannidhanam of Sringeri. Ideally located in serene surroundings, ASIET kindles vibrant memories of the serene presence of Jagadguru Adi Shankara. The institution is affiliated with A P J Abdul Kalam Technological University, Thiruvananthapuram, accredited with an 'A' Grade by NAAC and approved by AICTE. ASIET is the first self-financing technical education center to be awarded the ISO 9001:2008 certification, is strategically located at Mattoor, Kalady, just 5 km from Cochin International Airport. The institute offers B.Tech, M.Tech, Ph.D, MBA and MCA programs. The Adi Shankara Trust has a distinguished legacy in education through institutions such as Sree Sankara College, Sree Sarada Vidyalaya (New Sainik School), Adi Sankara Training College, Sree Sarada Special School, and DDU Kaushal Kendra.

About the Department:

The Department of Mechanical Engineering at ASIET is one of the five NBA-accredited departments affiliated with KTU. The department is supported by eight doctoral faculty members from premier institutions including IITs, NITs, and other reputed universities, fostering a strong academic and research culture. Research activities span advanced manufacturing, computational fluid dynamics, robotics, biomedical engineering, and biofuels, with several ongoing projects funded through Research Seed Money and CERD schemes. The department houses a modern CNC Machining Centre and promotes experiential learning through active Go-Kart and Quad Bike fabrication projects. It has established MoUs with leading organizations such as BMW, CIPET, and CADD Campus, and hosts active student chapters of ASME, SAE, ISHRAE, ISME and IIW.

DEPARTMENT OF MECHANICAL ENGINEERING

VISION

To make the mechanical engineering program a center of excellence in professional education & research.

MISSION

- To provide quality education for moulding competent professionals in Mechanical engineering.
- To facilitate continuous learning environment.
- To promote collaborative activities and positive contributions to the society.
- It is open to faculty members of AICTE approved institutions, research scholars, participants from government organizations and industry professionals.
- Registration is mandatory for attending the FDP and to receive the certificate

Program Delivery Mode

All FDP sessions will be conducted in online mode from 6:00 PM to 8:00 PM. The inaugural ceremony will be held offline at the host institution.

About the FDP

The transition to sustainable energy is one of the greatest challenges of our time, and green hydrogen is emerging as a key solution. Produced using renewable energy sources, green hydrogen offers a clean, versatile fuel that can decarbonize sectors such as transportation, industry, and power generation. Equally important is the concept of the circular economy, which emphasizes resource efficiency, waste reduction, and sustainable production cycles. Together, green hydrogen and circular economy principles create a powerful synergy, driving innovation, reducing carbon footprints, and fostering long term environmental resilience. This Faculty Development Programme will provide faculty members, researchers, and students with valuable insights into cutting edge technologies, policy frameworks, and practical applications. Participants will gain knowledge that not only enhances academic and research pursuits but also equips them to contribute meaningfully to the global sustainability agenda.

[Register here](#)

Registration Fee : Rs 300/-

<https://forms.gle/MSH7kMwWo8NuZf2N8>