

VISION

Excel in mechanical engineering education and research to drive technological evolution and societal development.



MISSION

Impart quality education to cultivate mechanical engineers who are globally competent and socially responsible.

Provide a conducive environment that nurtures creativity, leadership and communication skills among students.

Promote research initiatives that target society's technological needs.

ORGANIZING COMMITTEE

Chief Patrons



Dr. Thajudin Ahamed V. I.
Director, CAPE



Dr. S. Jayakumar
Joint Director, CAPE

Patron



Dr. V. Praseedalekshmi
Principal,
College of Engineering Muttathara

Coordinator



Dr. Dileeplal J.
HoD - ME
Mob: 9400037080

Co-coordinator



Dr. Satheeshkumar M.
Assistant Professor in ME
Mob: 9447283160

HOW TO APPLY

The candidates can register their names through the ATAL portal (<https://atalacademy.aicte-india.org>) on or before 26/12/2024. No charge for registration, course and certification.

INTENDED AUDIENCE

The FDP is intended for faculty members, research scholars and post graduate students in all disciplines from AICTE approved engineering colleges.

ONLINE ATAL FACULTY DEVELOPMENT PROGRAMME ON

GREEN ENERGY SOLUTIONS: BUILDING A SUSTAINABLE, CARBON-NEUTRAL WORLD

January 13 – 18, 2025



Sponsored by
AICTE Training and Learning Academy



Organized by
Department of Mechanical Engineering
College of Engineering Muttathara
(Under CAPE, Government of Kerala)
Thiruvananthapuram, Kerala – 695008
www.cemuttathara.ac.in

ABOUT THE INSTITUTE

College of Engineering Muttathara was established in the year 2016 under the Co-operative Academy of Professional Education (CAPE), Govt. of Kerala. The college has registered speedy progress since then and it offers 5 undergraduate programmes (CE, ME, EEE, ECE, and CSE) in affiliation with APJ Abdul Kalam Technological University (KTU). The college has a distinctive academic stature in the arena of engineering institutions in the state.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2016 offering B.Tech programme in Mechanical Engineering. With a right blend of theory and practice, this programme has well laid itself as a prominent option for students. The department has a team of well qualified and experienced faculty in all streams of mechanical engineering who always stride for imparting quality education. State-of-the-art laboratories in the department help to mould engineering graduates as per the curriculum requirements. The department is continuously striving to achieve excellence in mechanical engineering education and research with service to the society.

ABOUT THE PROGRAMME

This comprehensive programme is designed to empower educators with the latest knowledge and advanced skills in green energy solutions, sustainability, and carbon neutrality. Through a series of in-depth sessions, participants will explore emerging advancements, practical applications, and sustainable practices across various sectors. Our aim is to integrate these crucial concepts into educational curricula, foster interdisciplinary collaboration, and promote research and innovation.

TOPICS

- Building the Hydrogen Economy: Pathways to a Clean Energy Future
- Operationalizing Green Hydrogen: Opportunities and Challenges
- Solar and Wind Energy Solutions: Fueling the Green Revolution
- Thermochemical Conversion of Biomass for Energy Applications
- Industrial Innovations in Waste-to-Energy Technologies
- Environment Clean-up Solutions
- Synergy of Smart Grid, Renewable Energy and Power Electronics: Advancing Sustainable Energy Integration
- Effective GHG Mitigation and Estimation Techniques for Building and Transportation Sectors
- Green Geotechnics
- Acoustic Energy Harvesting
- Sustainable Aviation: Green Energy Solutions for Ground Handling of Civilian and Military Aircraft
- Green Technologies in Mobility
- Green Energy Value Chain

RESOURCE PERSONS



Dr. P. V. Aravind
Professor,
University of Groningen, Netherlands
Years of Experience: 25



Dr. Ajith Gopi
Additional Chief Technical Manager,
ANERT
Years of Experience: 33



Dr. Sreekanth K. J.
Research Scientist,
Kuwait Institute for Scientific Research
Years of Experience: 24



Dr. Krishna Sesa Giri
Associate Professor,
IIT Palakkad
Years of Experience: 10



Dr. Arun P.
Associate Professor,
NIT Calicut
Years of Experience: 16



Dr. A. Sajidas
Managing Director,
BIOTECH Renewable Energy Pvt. Ltd.
Years of Experience: 39



Dr. Krishnakumar B.
Senior Principal Scientist,
CSIR – IIIST
Years of Experience: 25



Er. Sreeja K.
Chief Project Manager,
Panchatejas Innovations Pvt. Ltd.
Years of Experience: 18



Dr. Divya P. V.
Associate Professor,
IIT Palakkad
Years of Experience: 10



Dr. Venu P.
Assistant Professor,
University of Bahrain
Years of Experience: 21



Dr. K. Deepa
Associate Professor,
Amrita Vishwa Vidyapeetham, Bengaluru
Years of Experience: 22



Dr. Minu A. Pillai
Assistant Professor,
IIIT Kottayam
Years of Experience: 10



Er. Ayyappadas D.
Principal Engineer,
Mahindra & Mahindra, Chennai
Years of Experience: 22