Five Day Hybrid Faculty Development Programme On

Smart Energy Systems for a Sustainable Future

Jointly organized by Department of Mechanical Engineering and ISTE MBCET Chapter,
Mar Baselios College of Engineering and Technology(Autonomous) Thiruvananthapuram
in association with ISTE Kerala Section

REGISTRATION

Registration is open to Faculty from relevant discipline from AICTE approved institutions. Participants will be admitted on first-come first-served basis.

Registration Form

Five Days FDP on Smart Energy Systems for a Sustainable Future

Name .....

Designation .....

Institution.....

Academic Qualification.....

Specialization .....

E-mail .....

Mobile.....

Date.....

Signature of Applicant

Signature of Sponsoring Authority with seal

Registration Link :

https://forms.gle/s7QjmPYWKQyndPc7A

Account Details for Payment

Account No.	: 0483053000021476
IFSC Code	: SIBL0000483
Name	: M/s Mar Baselios College of Engineering and Technology

Scan QR to pay reg. fees

ABOUT THE INSTITUTION

Forged by the visionary legacy of the Malankara Catholic Church in 2002, Mar Baselios College of Engineering and Technology (MBCET) stands as a beacon of innovation within Kerala's sprawling Mar Ivanios Vidyanagar campus. As an autonomous, NAAC 'A' graded institution affiliated with APJ Abdul Kalam Technological University, MBCET drives academic excellence across its B.Tech, M.Tech, and Ph.D. programs, boasting NBA accreditation for all five undergraduate disciplines since 2016. Surrounded by a vibrant ecosystem of 17 sister institutions, the college continuously shapes the future of engineering to meet the challenges of a dynamic world.



ABOUT THE DEPARTMENT

The Department of Mechanical Engineering, since its inception in 2005 with a modest cohort of 60 undergraduate students, has evolved into a premier hub of technical excellence. Driven by an unwavering commitment to high-quality education and a stellar track record of industry placements, the department has experienced phenomenal growth and transformation over the past decade. Proudly maintaining its prestigious NBA accreditation since 2016, the department stands as a powerful testament to rigorous academic standards, structural integrity, and continuous institutional improvement.

ABOUT THE FDP

As the global push for decarbonization reshapes industries, mastering the intersection of clean technology and digital innovation is essential. This Faculty Development Program on Energy Transition and Emerging Energy Systems bridges the gap between theory and cutting-edge industrial practice through an immersive, real-time experience. Participants will gain hands-on expertise in seamlessly integrating renewable energy with IoT, AI, and smart systems, while exploring actionable strategies for sustainable manufacturing and industrial energy management. Join us to move beyond conventional frameworks, experience the future of intelligent infrastructure firsthand, and empower yourself to lead the next generation of engineering innovators



Training Venue : Mar Baselios College of Engineering and Technology(Autonomous)

November 23 – 27, 2026

TOPICS COVERED

- Energy Transition and Emerging Energy Systems
- Renewable energy integration
- Smart Systems
- IOT
- Sustainable Manufacturing
- Industrial Energy Management

Objectives of FDP

- Introduction to emerging renewable, clean, and low-carbon energy technologies.
- Provide an understanding of modern and integrated energy systems.
- Introduction Artificial Intelligence, Machine Learning, IoT, and data-driven approaches for energy and industrial applications.
- Exploration to sustainable manufacturing and industrial energy management practices.

WHO SHOULD ATTEND?

Faculty members, research scholars working in AICTE-approved institutions, and Industry Professionals are eligible for the workshop

RESOURCE PERSONS

The sessions will be handled by the experts on the subject from Industry and other institutions of repute.

Dr. Sreekanth K. J.
Research Scientist Renewable Energy and Energy Efficiency Program (REEEP)
Kuwait Institute for Scientific Research (KISR)

Dr. Ashish John
Lecturer, University College Birmingham

Dr. Rakesh N.
Assistant Professor, IIT
Kharagpur

Ms. Jomole Joseph P
Research Associate and POC – Southern Region, REPA
Asst. Professor, Dept. of EEE, MBCET

Mr. Vishnu Namboothiri V.
Assistant Professor
NICMAR University of Construction Studies, Hyderabad

Dr. K. Vijayakumar
Head of the Department & Associate Professor, Kalasalingam University
Director of Operations, Vizhi XR

Dr. G.R. Rajeshkanna
Deputy Research Associate, High Energy Batteries (India) Ltd

Dr. Jesna Mohan
Associate Prof, CSE MBCET

Dr. Nidhi M.B.
Professor & Head of Department, ME, MBCET
Head CPDL (Centre for Professional Development and Lifelong Learning)
National Executive Council Member, ISTE

&

Experts from Industry

TENTATIVE SCHEDULE

Nov 23 –Inauguration, Technical Session on Energy Transition (FN), Sustainable Energy Systems- Latest Updates (AN)

Nov 24 - Technical Session on Hydrogen Production (FN), Hands-on Session on Wind Energy Forecasting (AN)

Nov 25 - Technical Session on Data Science for Smart Energy Systems (FN), Hands-on Session on Data Science for Smart Energy Systems (AN)

Nov 26 - Technical Session on Hybrid Integrated Renewable Energy (FN), Hands-on Session on Integration of renewable energy (AN)

Nov 27 - Technical Session on Solar energy (FN), Technical Session on Futuristic Energy Scenario and Valedictory

SELECTION PROCESS

Online FDP is open for all registered candidates.

Reg. Fees - Rs 200 /- for Research scholars
Rs 300 /- for Faculty
Rs 500 /- for Industry professionals

COORDINATORS

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ADDRESS FOR CORRESPONDENCE

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