

ABOUT MJCET

Muffakham Jah College of Engineering and Technology (MJCET) was established in the year 1980 by Sultan-ul-uloom Education Society (SUES), which is formed by a group of visionaries and intellectuals from various walks of life. Today that tiny acorn has developed into a mighty oak. Today it is a premier institute, offering B.E Courses i.e., AIML, AIDS, Civil, ECE, CSE, IT, Mechanical and 4 M.E Courses (CAD/CAM, Structural Engineering, Embedded systems & VLSI and CSE) of two years duration. Research Centres started in four departments i.e., Mechanical, ECE, CIVIL and CSE for Doctoral Studies.

The College is a Minority Autonomous Educational Institution affiliated to Osmania University and is approved by the AICTE and accredited by the NAAC with Grade A+ and four UG programs Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering and Mechanical Engineering are accredited by NBA for a period of 3 years from 2024-25 to 2026-27 up to 30-6-2027.

MECHANICAL ENGINEERING DEPARTMENT

The Mechanical Engineering Department offers B.E in Mechanical Engineering and M.E - CAD/CAM, in addition to well-equipped laboratories and has Ph.D. research centre recognized by Osmania University. The department has well qualified and experienced faculties. The department of mechanical engineering has many patents, MOU's with reputed industries.

VISION OF THE DEPARTMENT

To produce high calibre, competent, industry oriented Mechanical Engineers

MISSION OF THE DEPARTMENT

To impart quality education by providing state of art technical facilities and enhance the professional abilities to meet the demands of the ever-changing manufacturing industry

CHIEF PATRONS

Mr. Mohammed Waliullah, Chairman, SUES
Mr. Zafar Javeed, Honorary Secretary, SUES

PATRONS

Dr. S. Srinivasa Rao, Principal, MJCET
Prof. Syed Ferhatullah Hussainy, Dean, Student Affairs, MJCET
Prof. Hamraj, Dean Academics, MJCET

COORDINATOR

Dr. (Mrs). Ishrat Meera Mirzana, Professor, MED

Co- COORDINATOR

Dr. G. Sailaja, Associate Professor, MED

ORGANIZING COMMITTEE

Dr. Mohammed Viqar Mohiuddin, Professor & Head, MED
Dr. Shaik Irfan Sadaq, Assistant Professor, MED
Dr. Hasham Ali, Assistant Professor, MED

ELIGIBILITY

- There is no registration fee from any participants. All the faculties & Research Scholars from AICTE approved institutions are eligible for the workshop.
- Participants will be selected on first-come first serve basis.
- Selected candidates will be intimated by e-mail confirmation of participation is to be made by email only.
- Faculty members selected for the programme should get the authorization certificates signed from the principal.

Registration details

Registration is mandatory for attending the FDP.

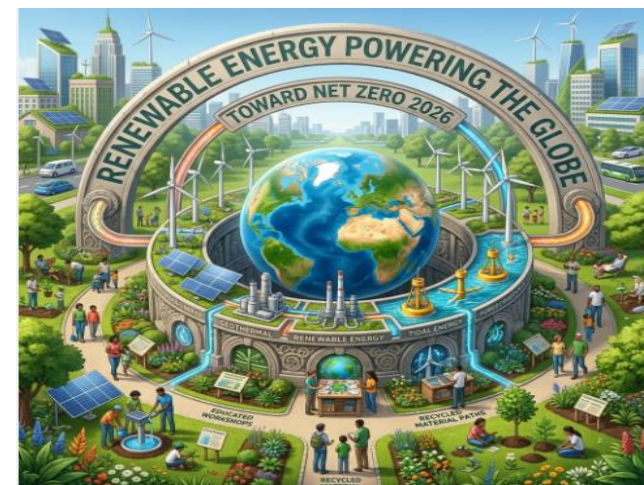
The participants are requested to register in the ATAL portal.

<https://atalacademy.aicte-india.org/login>

AICTE -ATAL Sponsored ATAL online 6-Day FDP

on

Innovations in Clean Energy, Sustainability and Climate Resilience for a Net Zero Future



09th – 14th November, 2026

Sponsored by



**Organized
by**



Department of Mechanical Engineering,
Muffakham Jah College of Engineering &
Technology (UGC Autonomous Institution),
Hyderabad-500034, Telangana, India

ABOUT AICTE

The All India Council for Technical Education (AICTE) is the statutory body and a national-level council for technical education, under Department of Higher Education, Ministry of Human Resource Development. Established in November 1945 first as an advisory body and later on in 1987 given statutory status by an Act of Parliament, AICTE is responsible for proper planning and coordinating for development of the technical education and management education system in India.

ABOUT ATAL FDP

AICTE Training and Learning (ATAL) Academy, established by MOE, Government of India, holds the vision to empower faculty to achieve goals of higher education such as access, equity and quality. Council understands that there is a need of the day to train the young generation in skill sector and having faculty & technicians to be trained in their respective disciplines with latest tools and technologies. The main objective of ATAL Academy is to plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas. It also provides a variety of opportunities for training and exchange of experiences such as workshops, orientations, learning communities, peer mentoring and other FDPs.

OBJECTIVE OF THE PROGRAM

The objective of this FDP is to bring awareness about the innovations in clean energy, climate resilience by adopting green technologies and work towards achieving net zero emissions and also provide a

pathway for achieving SDGs especially SDG 7, SDG 9 and SDG13. The FDP aims to provide the faculty members with present-day knowledge, skills, and perspectives that are interdisciplinary w.r.t sustainable technologies, climate resilience, green energy that pave a pathway towards a net-zero future. The FDP will increase awareness of the Sustainable Development Goals (SDGs) and its applicability to research, education, and institutional practices while promoting multidisciplinary approaches. The FDP's ultimate goal is to enable academics to incorporate sustainability and climate-resilience ideas into their teaching, research, innovation, and community involvement. This will allow them to mentor students toward responsible technological development and make a significant contribution to the shift towards a resilient, resource-efficient, low-carbon, and net-zero society.

RESOURCE PERSONS AND TOPIC COVERED

1.Dr. Rania Lampou, STEM Instructor & Researcher, Greek Astronomy and Space Company, Greece
Topic: Global Energy Transitions and Pathways to Net Zero

2.Dr. L. Ramesh, Professor and Joint Registrar (E & P), Dr. M.G. R. Educational and Research Institute, India
Topic: Circular Economy and Resource Efficient Technologies

3.Dr. R. Zahira, Associate Professor, B.S. Abdur Rahman Crescent Institute of Science and Technology, India
Topic: Energy Storage Technologies and Smart Energy Systems

4.Er. D. Gokul, Senior Scientist and Project Manager, Indian Space Research Organization (ISRO)

Topic: Emerging Clean Fuel Technologies.

5.Dr. Vasathi Reena Williams, Professor & Head, Dept. of Management Studies, Vidya Vikas Institute of Engg. & Tech., India

Topic: Waste to Energy and Sustainable Waste management

6.Dr. J. Balamurugan, Asst. Executive Engineer, TNEB, TANGED Co.

Topic: Smart Grids, Microgrids and Digital Energy Management

7.Mr. S. Yuvraj, Asst. Professor, Sri Manakula Vinayanagar Engg. College, India

Topic: Electric Mobility and Sustainable Transportation

8.Dr. S. Madan Kumar, Asst. Engineer, Mettur Thermal Power Station-1

Topic: Decarbonization Strategies for Industry

9.Dr. Preetha Mary George, Professor, Dr. M.G. R. Educational and Research Institute, India

Topic: Emerging Trends and Solutions in Renewable Energy Technologies

10.Dr. Srividya Sukumar, Director of Sustainability, ESGPms, Sharjah, UAE

Topic: Climate Change: Mitigation, Adaptation and Resilience

11.Dr. K. Kalyan, Associate Professor, Shri Vishnu Engineering College for Women, India

Topic: AI, IoT and Digital Technologies for Energy and Climate Action

12. Dr. Sharmila Asthana, Pediatrician & Holistic Health Practitioner

Topic: Drug Use Prevention and Early Intervention in Higher Education Institutions – A Concise Guide for Faculty Members

13. Ms. Rouha Hussaina, Senior Vice President, Low Carbon Solutions, Sproule ERCE, UK

Topic: Carbon Capture, Utilization and Storage