



MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

MECHANICAL ENGINEERING DEPARTMENT

ATAL Online 6-day Faculty Development Program Schedule

FDP Thrust Area: “Energy, Sustainability and Climate Change”

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

Start Date :09/11/2026

End Date: 14/11/2026

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
6.00 PM to 6.30 PM Inaugural Session	6.00 PM to 7:30 PM Session 3 Topic: Energy Storage Technologies and Smart Energy Systems Name of the Expert: Dr. R. Zahira Designation & Organization: Associate Professor, B.S. Abdur Rahman Crescent Institute of Science and Technology, India Years of Exp: 20 yrs	6.00 PM to 7:30 PM Session 5 Topic: Waste to Energy and Sustainable Waste management Name of the Expert: Dr. Vasathi Reena Williams Designation & Organization: Professor & Head, Dept. of Management Studies, Vidya Vikas Institute of Engg. & Tech., India Years of Exp: 30 yrs	6.00 PM to 7:30 PM Session 7 Topic: Electric Mobility and Sustainable Transportation Name of the Expert: Mr. S. Yuvraj Designation & Organization: Asst. Professor, Sri Manakula Vinayanagar Engg. College, India Years of Exp: 10 yrs	6.00 PM to 7:30 PM Session 9 Topic: Emerging Trends and Solutions in Renewable Energy Technologies Name of the Expert: Dr. Preetha Mary George Designation & Organization: Professor, Dr. M.G. R. Educational and Research Institute, India Years of Exp: 11 yrs	2.00 PM to 3:30 PM Session 11 Topic: AI, IoT and Digital Technologies for Energy and Climate Action Name of the Expert: Dr. K. Kalyan Designation & Organization: Associate Professor, Shri Vishnu Engineering College for Women, India Years of Exp: 16 yrs

6.30 PM to 8:00 PM Session 1 Topic: Global Energy Transitions and Pathways to Net Zero Name of the Expert: Dr. Rania Lampou Designation & Organization: STEM Instructor & Researcher, Greek Astronomy and Space Company, Greece Years of Exp: 20 yrs	7.30 PM to 9:00 PM Session 4 Topic: Emerging Clean Fuel Technologies. Name of the Expert: Er. D. Gokul Designation & Organization: Senior Scientist and Project Manager, Indian Space Research Organization (ISRO) Years of Exp: 16 yrs	7.30 PM to 9:00 PM Session 6 Topic: Smart Grids, Microgrids and Digital Energy Management Name of the Expert: Dr. J. Balamurugan Designation & Organization: Asst. Executive Engineer, TNEB, TANGED Co. Years of Exp: 19 yrs	7.30 PM to 9:00 PM Session 8 Topic: Decarbonization Strategies for Industry Name of the Expert: Dr. S. Madan Kumar Designation & Organization: Asst. Engineer, Mettur Thermal Power Station-1 Years of Exp: 14 yrs	7.30 PM to 9:00 PM Session 10 Topic: Climate Change: Mitigation, Adaptation and Resilience Name of the Expert: Dr. Srividya Sukumar Designation & Organization: Director of Sustainability, ESGPms, Sharjah, UAE Years of Exp: 30 yrs	3.30 PM to 5:00 PM Session 12 Topic: Drug Use Prevention and Early Intervention in Higher Education Institutions – A Concise Guide for Faculty Members Name of the Expert: Dr. Sharmila Asthana Designation & Organization: Pediatrician, Ex-employee of Apollo Hospitals Years of Exp: 26 yrs
8.00 PM to 9:30 PM Session 2 Topic: Circular Economy and Resource Efficient Technologies Name of the Expert: Dr. L. Ramesh Designation & Organization: Professor and Joint Registrar (E & P), Dr. M.G. R. Educational and Research Institute, India Years of Exp: 25 yrs					5.00 PM to 7.30 PM Session 13 Topic: Carbon Capture, Utilization and Storage (CCUS) Name of the Expert: Ms. Rouha Hussaina Designation & Organization: Senior Vice President, Low Carbon Solutions, Sproule ERCE, UK Years of Exp: 18 yrs
					6.30 PM to 7:30 PM Online Test & Feedback
					7.30 PM to 8:00 PM Valedictory Session