

Five-Day Short-Term Training Programme on “Advancements in Energy Systems and Practices for Sustainable Development” Organized by Department of Electrical Engineering, JMI, Concludes

New Delhi, September 7, 2026

The Department of Electrical Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia (JMI), organized a five-day online Short-Term Training Programme (STTP) on “Advancements in Energy Systems and Practices for Sustainable Development” from 27 - 31 August, 2026. The programme was aimed at providing participants with contemporary knowledge and practical insights into emerging energy technologies, sustainable energy practices, energy efficiency, renewable energy integration and the evolving energy landscape for sustainable development.

The programme brought together faculty members, researchers, research scholars, postgraduate students, professionals and other participants from 38 academic and technical institutions and 12 industrial organizations across the country. It also brought together the participants from overseas institutions/organizations. The training programme provided a platform for interaction with experts and academicians working in the areas of energy systems, renewable energy, energy efficiency, smart grids, sustainable development and related emerging technologies and practices.

The inaugural session commenced with Tilawat-e-Qur’an, followed by the felicitation of the Chief Guest. The inaugural session of the programme was presided over by Prof. Mohammed Sharif, Dean, Faculty of Engineering & Technology, Jamia Millia Islamia as the Chief Guest. The programme was organized under the guidance of Prof. Anwar Shahzad Siddiqui, Head, Department of Electrical Engineering, JMI as Organizing Chair. Dr. Md. Sarwar, Assistant Professor (Contract), Department of Electrical Engineering, JMI, served as the Coordinator.

An overview of the STTP was presented by Prof. Anwar Shahzad Siddiqui, who explained the objectives, scope and structure of the programme. The sessions were designed to provide participants with an understanding of recent advancements in renewable energy systems, solar photovoltaic technologies, systems, energy storage, smart grids, distributed generation, electric mobility, energy efficiency, energy management and sustainable energy practices.

The Chief Guest, Prof. Mohammed Sharif, in his address highlighted the increasing importance of sustainable energy systems in to meet the growing energy demand, climate change concerns and the transition towards cleaner and more resilient energy systems. The need for capacity building and continuous professional development in emerging energy technologies was also emphasized. He had highlighted the importance of such programme in meeting the goals of sustainable development.

The Chief Guest, Head of the Department and the Coordinator of the programme expressed gratitude to Prof. Mazhar Asif, Hon'ble Vice-Chancellor, JMI and Prof. Md Mahtab Alam Rizvi, Registrar, JMI, for their continuous support and guidance in organizing this programme.

The programme featured lectures and interactive sessions delivered by eminent academicians, researchers, industry experts and professionals from reputed institutions and organizations across 12 sessions. The resource persons discussed contemporary developments in energy systems and their applications, with particular emphasis on technological innovation, energy transition, sustainability and the integration of renewable energy into modern power systems.

The sessions covered various themes related to Renewable Energy Technologies, Solar PV Systems, Energy Storage Systems, Smart Grids, Electric Vehicles, Energy Efficiency, Distributed Generation, Microgrids, Artificial Intelligence in Energy Systems, Sustainable Development Goals, etc. The participants also had opportunities to interact with the resource persons and deliberate upon challenges, opportunities and future directions in the energy sector.

A key focus of the programme was to bridge the gap between theoretical knowledge and practical applications. The interactive nature of the sessions enabled participants to gain insights into emerging technologies, current industry practices, research trends and policy perspectives relevant to sustainable energy development.

The valedictory session was attended by Prof. Sanjay Agrawal, Director, School of Engineering & Technology, IGNOU, as Chief Guest. The participants shared their feedback and highlighted the usefulness of the programme in enhancing their knowledge and understanding of contemporary energy systems and sustainable practices.

The Head of Department and the Coordinator of the programme expressed gratitude to distinguished guests, resource persons, faculty members, participants and the organizing team for their valuable contribution towards the successful conduct of the STTP. Special appreciation was expressed to all members of the organizing team, technical staff and student volunteers for their dedicated efforts and support.

The programme concluded with a formal vote of thanks proposed by Dr. Md Sarwar.

Prof. Saima Saeed
Chief Public Relations Officer





1:02 PM | STTP on Advancements in Energy Systems & Practic...

Vatsala Sharma (Presenting, annotating)

Measures taken by India to promote Renewables-Electric Mobility

- Ambitious RE targets: to achieve about 50 percent cumulative electric power installed capacity from non-fossil fuel-based energy resources by 2030
- FAME India scheme is a part of the National Electric Mobility Mission Plan. It encourages the adoption of electric vehicles and hybrid vehicles by providing subsidy on the purchase of electric vehicles and hybrid vehicles in India.
- National Mission on Transformative Mobility and Storage to drive strategies for transformative mobility and Phased Manufacturing Programmes for electric vehicles, electric vehicle Components and Batteries.
- To provide impetus to green mobility, customs duty exemption is being extended to import of capital goods and machinery required for manufacture of lithium-ion cells for batteries used in electric vehicles

Dr Vatsala Sharma, Director National Power Training Institute

Participants in the meeting:

- Vatsala Sharma
- Dr. Md Sarwar ...
- MD ADNANUL ...
- Dr. Huma Khan...
- Ashish Srivast...
- Amaana Kamran
- faiz ansari
- 54 others
- Dr. Md Sarwar...

10:34 AM | STTP on Advancements in Energy Systems & Practic... | Prof. Mohammed Sharif (Dear: Eto Engineering & Technology) (Presenting, annotating) 53

Energy

- Energy has always been at the heart of human civilization
- The Industrial Revolution was powered first by coal and subsequently by petroleum, natural gas and electricity
- These sources of energy enabled unprecedented economic growth and technological progress. However, this progress also came with significant environmental costs
- Climate change, air pollution, depletion of natural resources and ecological degradation have compelled us to reconsider the manner in which energy is generated, transmitted, stored and consumed

3

People

Mute all Add people

Azreen Niyor
Amaan Mustafa
Amaana Kamran
amit kaushik
Aashish Tripathi
Abul Kumar Kuthwasha
Azra Malik (Asst Profes...
Devansh Mishra
Dr. Azim
Dr. Huma Khan (Asst...
Dr. khadim Mohd siddiqui

MD ADNANU...
Aashish Tripathi
Amaan Mustafa
Pavan Gangwar
44 others
Dr. Md Sarwar...

2:19 PM | STTP on Advancements in Energy Systems & Practic... | Md Amjad (Presenting, annotating) 77



**05 DAYS ONLINE SHORT TERM TRAINING PROGRAMME ON
ADVANCEMENTS IN ENERGY SYSTEMS AND PRACTICES
FOR SUSTAINABLE DEVELOPMENT**

27 - 31 AUGUST 2024

CHIEF GUEST
Prof. Sanjay Agrawal
Director, School of Engineering & Technology
IIT Roorkee

Patron
Prof. Mohammed Sharif
Dean-EST, JMI

ORGANIZING CHAIR
Prof. Amar Shahzad Siddiqui
Asst. Prof., Dept. of Electrical Engineering, JMI

COORDINATOR
Dr. Md Sarwar
Dept. of Electrical Engineering, JMI

Organized by
DEPARTMENT OF ELECTRICAL ENGINEERING
Faculty of Engineering & Technology
Jamia Millia Islamia
New Delhi - 110025

People

Mute all Add people

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IN THE MEETING

Contributors 77

Dr. Md Sarwar (As... (You)
Meeting host
Ahmed Sharique Anees
Altair Alam
Amaan Mustafa
Amaana Kamran
amit kaushik
ARSHAD KHAN
Aashish Srivastava
Aashish Tripathi

MD ADNANU...
Aashish Tripathi
Amaan Mustafa
Pavan Gangwar
44 others
Dr. Md Sarwar...
