



Aliah University

Institution's Innovation Council (IIC)

In Collaboration With IQAC, AU

INVITES YOU TO JOIN



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

5-Day Short-Term Course (STC) On

SUSTAINABLE ENERGY SYSTEMS

CHALLENGES THE FUTURE ROADMAP



3RD-7TH AUGUST, 2026



SCAN ME

Course Highlights



Mode
Hybrid



Participants

100+ Students
& Faculty Members



Registrations

Free for AU Students
500 for Others



Chief Patron

Prof. Rafikul Islam

HVC, Chairman of IIC-AU



Co-ordinator

Prof. Abhishek Das

President of IIC-AU



Jt. Co-ordinator

Dr. Mehebab Alam

DVC



Jt. Co-ordinator

Prof. Arup Baksi

Director, IQAC



Convener

Dr. Aznarul Islam

Convener of IIC-AU

Distinguished Speakers

Day-1

Dr. Mehebab Alam

Manager (E),
DVC Kolkata

Day-2

Mr. Ravi Roshan

Manager (C&I),
DVC Kolkata

Day-3

**Mr. Sanjoy Sinha
Mahapatra**

Manager (M),
DVC, MTPS

Day-4

Mr. Souvik Dev

Asst. Manager,
WBPDC

Day-5

Mr. Hillol Biswas

Advisor, Power
Division, WAPCOS

For Any Queries, Contact
iic@aliah.ac.in



About the Program

Rising global temperatures and climate change have made energy conservation more critical than ever. This comprehensive short-term course provides a global perspective on the urgency, challenges, and strategies for energy conservation and sustainable systems.

Key Objectives

- ✓ Analyze the global energy landscape, including demand, supply, and environmental impacts.
- ✓ Determine the rationale for urgent energy conservation and sustainable sourcing.
- ✓ Explore proven strategies (policy, tech, and behavioral) for improving energy efficiency.
- ✓ Examine renewable technologies, their integration challenges, and global success stories.
- ✓ Understand the intersection of energy policy, climate finance, and global cooperation.
- ✓ Develop a comprehensive framework for the global energy transition.

Target Audience

UG, PG Students, Scholars, Teachers,
Industry Practitioners
(max : 100 participants)

Mode

Hybrid
meet.google.com

Organizing Committee

Chief Patron

Prof. Rafikul Islam

Hon'ble Vice-Chancellor & Chairman, IC-AU



Patrons

Prof. Md. Abdul Khan

Registrar (DRP), AU

Prof. Saifulla

Dean, NAL, AU

Prof. Kaushik Kundu

Dean, S&C, AU

Coordinator

Prof. Abhishek Das

Institution's Innovation Council, Aliah University



Jt. Coordinators

Dr. Mehebab Alam

Demeter Valley Corporation



Prof. Arup Baksi

Director, Internal Quality Assurance Cell



Convener

Dr. Azmarul Islam

Institution's Innovation Council, Aliah University



Registration Fees

Internal Candidates: NIL
External Candidates: ₹ 500

Scan to Register



5 DAYS SHORT-TERM COURSE
(STC) ON

Sustainable and Reliable Energy Systems

Issues, challenges and future
roadmap

3rd - 7th August 2026

Organized By:

Institution's Innovation Council (IIC), Aliah University
In collaboration with
Internal Quality Assurance Cell (IQAC), Aliah University



Resource Persons & Schedule

Day 1

Energy Conservation & Efficiency

Principles and Potentials of Energy Efficiency, policy issues, several case studies on energy conservation and environmental, social benefit.

Dr. Mehebab Alam

Manager (Electrical)
Damodar Valley Corporation (DVC)
Kolkata



Day 2

Pathways to Net-Zero & Emission reduction

Strategies for decarbonization and sustainability, regulatory frameworks, and several industrial case studies on achieving net-zero operations and long-term environmental impact.

Mr. Ravi Roshan

Manager (C&I)
Damodar Valley Corporation (DVC)
Kolkata



Day 3

Transitioning to Sustainable Energy Systems

Mechanisms of renewable energy adoption, economic and policy drivers, several case studies on grid transformation and long-term socio-environmental benefits.

Mr. Sanjoy Sinha Mahapatra

Manager (Mechanical)
Damodar Valley Corporation
Meja Thermal Power Station (MTPS)



Day 4

Role of Industrial Control & Automation

Fundamentals and applications of automated systems, integration challenges, several case studies on process optimization and operational, economic benefit.

Mr. Souvik Dey

Assistant Manager
West Bengal Power Development
Corporation Limited (WBPDCL)



Day 5

Cyber Security in Distributed energy resources (DER)

Fundamentals and frameworks of DER cyber defense, regulatory standards, several case studies on threat mitigation and grid resilience, operational reliability.

Mr. Hillol Biswas

Advisor, Power division
Water and Power Consultancy Services
Limited (WAPCOS)



Course Outcomes

Upon successful completion of this STC, participants will possess a comprehensive understanding of the global energy transition. Attendees will gain actionable insights into sustainable energy integration, industrial automation, and pathways to achieving net-zero emissions. Furthermore, the program equips scholars and professionals with the necessary framework to address critical cybersecurity challenges in Distributed Energy Resources (DER), empowering them to actively contribute to a resilient energy roadmap.