

ABOUT THE FDP

The faculty development program (FDP) on “E-mobility & Micro-grids: A pathway to Sustainable Energy” focuses on exploring the integration of electric mobility and micro-grids in achieving sustainable energy solutions. This faculty development program (FDP) is intended to discuss recent advancements in the field of the latest developments in EV technology, including battery management systems, charging infrastructure, the challenges and advancements in grid integration and energy management for e-mobility with micro-grids, rural electrification and sustainable energy solutions for e-mobility. This FDP will provide a platform for knowledge sharing and collaboration.

ABOUT THE EE DEPARTMENT

Electrical Engineering Department of NSEC is NBA accredited since 2005. It which has contributed a lot for the development of the college since inception and has a proven 25-year track record of delivering quality education. The Department is offering undergraduate programs in Electrical Engineering and postgraduate graduate programs in Control and instrumentation and Power System.



About NSEC

Netaji Subhash Engineering College (NSEC) is a reputed institution in Kolkata established with the ideals of Netaji Subhash Chandra Bose (NSEC) in the year 1998. NSEC is approved by AICTE and affiliated with MAKAUT (Maulana Abul Kalam Azad University of Technology). NSEC is accredited by NBA (National Board of Accreditation) for four programs like EE, ECE, BME, and CSE, and NAAC (National Assessment and Accreditation Council) for the institution. NSEC offers sixteen B. Tech programs, four M. Tech programs and two Management programs, has a strong focus on innovation, research, and industry collaboration.



AICTE TRAINING AND LEARNING (ATAL)
Academy sponsored

**One Week Faculty Development
Program (FDP)
(Online)**

REGISTRATION FEE:

No Registration Fees



A Satyam Roychowdhury initiative

**A SIX-DAY ONLINE FDP
on**

**E-mobility & Micro-grids: A
Pathway to Sustainable
Energy**

22nd to 27th September 2025

Sponsored by AICTE ATAL Academy

Organized by:

**Department of
Electrical Engineering**

Netaji Subhash Engineering College
Mauza Ranabhutia, Techno City, Garia,
Ranabhutia, West Bengal 700152

(NAAC & NBA Accredited)

Approved by AICTE New Delhi,
Affiliated to
Maulana Abul Kalam Azad University of
Technology, West Bengal.

<https://www.nsec.ac.in/>

SESSION DETAILS

- Electric Vehicles Technology and Recent Trends
- Charging Infrastructure: Industry View_1
- Role of Battery Storage for Sustainable e-mobility
- Renewable energy Integration in Micro-grids
- Power Electronics and EV
- AI for Smart Grid and Storage Application
- Solar Powered Micro-grids for Rural Electrification
- Modern Electric Drives & Control
- Smart EV Charging Management System
- Wired Charging System for Sustainable e-mobility
- Impact of EV Charging on Grid
- Charging Infrastructure: Industry View_2
- Wireless Charging System for EVs

ELIGIBILITY CRITERIA:

Faculty Members / Ph.D. Scholars / P.G Students from AICTE affiliated Colleges

CHIEF PATRON

Shri. Satyam Roy Chowdhury
Chancellor SNU, MD TIG

PATRON

Dr. Sanku Bose
GCEO, TIG

ADVISORY COMMITTEE

- Prof.(Dr.) Amal K. Ghosh, Principal, NSEC
- Prof. S. Roy, Dean-Academic Affairs, NSEC
- Dr. Tridibesh Nag, HOD-EE, NSEC
- Dr. Partha Sarathi Pal, Prof.-EE, NSEC
- Dr. Subrata Biswas, Associate Prof.-EE, NSEC

CERTIFICATION:

The certificates shall be issued by ATAL academy to those participants who have attended the program with minimum 80 % attendance and scored minimum 70 % marks in the test conducted at the end of the FDP and feedback is mandatory throughout this FDP

FOR FURTHER DETAILS, CONTACT:

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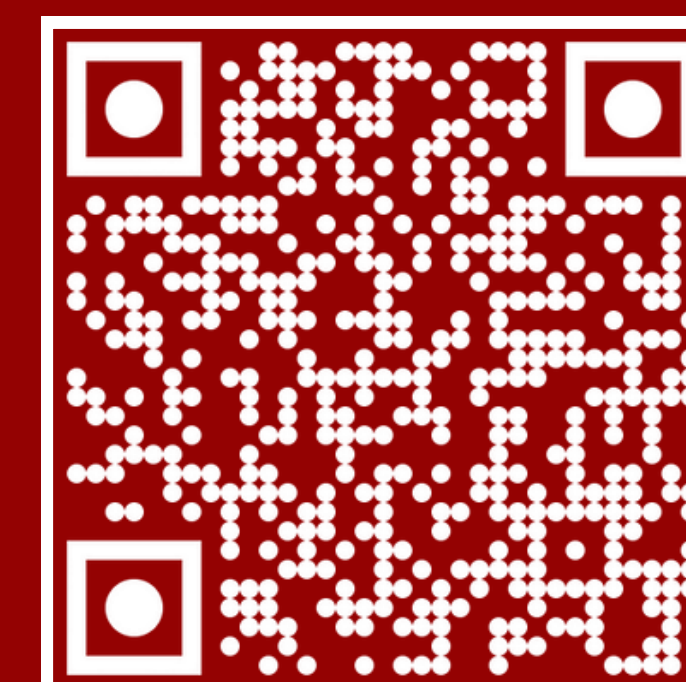


FDP REGISTRATION:

To register, please follow the link
provided below

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

LOGIN



RESOURCE PERSONS

Sessions will be delivered from renowned experts from prominent Institutions like IITs, NITs and Industry



Dr. Ritesh Kumar Keshri
VNIT Nagpur



Mr. Somnath Sircar
Algonics Systems Pvt Ltd.



Dr. Ankur Bhattacharjee
Bits Pilani



Dr. Suman Dey
TCE



Dr. Marta Zurek Mortka
Institute of Sustainable
Technologies, Poland



**Dr. Sivaneasan Bala
Krishnan**
SIT Singapore



Dr. Pradip Kumar Sadhu
IIT Dhanbad



Mr. Rajib Das
CESC