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Director, NIT Silchar

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Dean (Student Welfare)
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HoD, EED, NIT Silchar

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Dr. C. Bhattacharjee	Dr. Biswarup Ganguly
Dr. R. K. Biswas	Dr. M. Diwakar Naik
Dr. Saheli Ray	Dr. Sunil K. Mishra

Important Dates

Last Date of Registration: 05-Mar-2026

STTP Dates:

07th Mar. to 11th Mar. 2026

Registration

Registration Fee: Nil

Register Online through the below link:

<https://forms.gle/kVu5MVtTn9pmZHiA9>

Note: Certificates will be issued only to the registered participants with a minimum of 80% attendance throughout the program.

Eligibility of Participation

Students and teachers from AICTE recognized engineering colleges/Institutions; practicing engineers from public/ private organizations with minimum qualification of Bachelor's Degree in any branch of Engineering/ or its equivalent. Research scholars are eligible for registration.

Contact Details

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5-Days Online Industry-Driven Short-Term Training Program (STTP)

On

**Power Sector Transformation for a
Sustainable and Reliable Future:
Industry Perspectives and Practical
Insights
(PSRIP 2026)**

07th to 11th March 2026

Conveners

Dr. Debayan Sarkar, EED, NIT Silchar

Dr. Biswajit Sahoo, EED, NIT Silchar

Dr. Sreejith. S., EED, NIT Silchar

Coordinators

Dr. Vivekanandan S., EED, NIT Silchar

Dr. Mallikarjuna Balimidi, EED, NIT Silchar

Dr. Mehebab Alam, DVC, Kolkata

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Organized By:



Electra society,

Electrical Engineering Department, National
Institute of Technology Silchar
in Association with
Damodar Valley Corporation, Kolkata
(Under the Ministry of Power, Govt. of India)

About the Department

The Department of Electrical Engineering offers a B.Tech. programme in Electrical Engineering and an M.Tech. programme with specializations in Power and Energy Systems Engineering, Control and Automation and Power Electronics & Drives. The department also offers a Ph.D. programme in Electrical Engineering. Equipped with state-of-the-art laboratories, it provides strong academic and research training to undergraduate, postgraduate, and doctoral scholars. The faculty members have expertise across diverse areas of Electrical Engineering and actively promote a vibrant research culture. The department also undertakes sponsored R&D projects supported by various funding agencies, contributing to advanced research and technological development.

About NIT Silchar

National Institute of Technology, Silchar is one of the 31 National Institutes of Technology of India and was established in 1967 as a Regional Engineering College in Assam. In 2002, it was upgraded to the status of National Institute of Technology and was declared as Institute of National Importance under the National Institutes of Technology Act, 2007. NIT Silchar is a fully residential campus situated on the banks of river Barak and on a sprawling campus spread over 625 acres of land surrounded by scenic tea gardens on the outskirts of Silchar. NIT Silchar is a teaching and research institute which reflects in the top NIRF rankings.

About the Electra Society

Electra Society is the official society of the Electrical Engineering Department at NIT Silchar, one of the most reputed departments of the institute, known for its strong academic foundation and excellent industry interface. Electra Society actively fosters innovation, technical excellence, and holistic development through workshops, competitions, seminars, industrial visits, and collaborations with leading professionals and organizations in the field. Through events like hackathons, Off the Hook, and Powersurge, it bridges theory and practice, fosters innovation, and builds industry-ready talent.

About the STTP

"The Short Term Training Programme (STTP) on Power Sector Transformation for a Sustainable and Reliable Future: Industry Perspectives and Practical Insights (PSRIP 2026) focuses on the major transitions in the power sector driven by sustainability goals, renewable integration, and technological advancement. It provides participants with an overview of the paradigm shift in power systems over the decades and the key strategies required for a sustainable and reliable future.

The programme highlights the role of Distributed Energy Resources (DERs) and the need for distribution network modernization. It covers the impact of DERs on efficient system operation, along with the challenges, issues, and future pathways for modern distribution networks, including advanced monitoring, control, and protection practices.

PSRIP 2026 also emphasizes energy conservation, energy efficiency, and power supply reliability. Through practical case studies, participants will gain insights into preventing system tripping, improving reliability, and adopting best practices for sustainable and efficient power system operation.

STTP Objectives

- To understand the paradigm shift in the power sector over the decades and analyze emerging trends and policies aimed at ensuring long-term sustainability.
- To examine the impact of Distributed Energy Resources (DERs) on efficient, reliable, and sustainable power system operation, with emphasis on integration aspects.
- To identify key issues and challenges in distribution network modernization and explore future pathways involving smart grids, automation, and advanced protection.
- To create awareness about the importance of energy conservation and energy efficiency and their role in achieving future sustainability goals.
- To enhance understanding of power supply reliability by learning from practical case studies focused on preventing electrical system tripping and improving overall system resilience.

Resource Persons

- ❑ Mr. Sanjoy Sinhamahapatra, Manager (M), MTPS, DVC
- ❑ Mr. Hillol Biswas, Advisor, Power Division
- ❑ Mr. Endadul Mondal, Divisional Engineer, WBSEDCL, Asansol
- ❑ Dr. Meheboob Alam, Manager (E), DVC, KOLKATA
- ❑ Mr. Joydev Adak, Manager (ELECTRICAL), DVC HQ KOLKATA

**Schedule for 5-Days Online Industry-Driven Short-Term Training Program (STTP) On
“Power Sector Transformation for a Sustainable and Reliable Future: Industry Perspectives and Practical Insights (PSRIP 2026)”
07th to 11th March 2026**

Organized By:

**Electra Society, Department of Electrical Engineering, National Institute of Technology Silchar, in association with
Damodar Valley Corporation (DVC), Kolkata (under the Ministry of Power, Government of India)**

DATE/TIME	SESSION DETAILS		
07 TH MARCH 2026 (SATURDAY) Day-1	TIME: 10:30 AM Inauguration of the Online STTP	TIME: 11:00 AM – 12:30 PM Speaker: Mr. Endadul Mondal, Divisional Engineer, WBSEDCL, Asansol Topic: Renewable Integration and Grid Modernization: A Systems Approach	
08 TH MARCH 2026 (SUNDAY) Day-2		TIME: 11:00 AM – 12:30 PM Speaker: Mr. Joydev Adak, Manager (ELECTRICAL), DVC HQ KOLKATA Topic: Ensuring Power Supply Reliability and Avoiding Electrical System Tripping: lessons learned from various practical Case Studies	
09 TH MARCH 2026 (MONDAY) Day-3		TIME: 05:00 PM- 06:30 PM Speaker: Mr. Hillol Biswas, Advisor, Power Division Topic: AI-enabled Wind Farm Operation for Optimized Reliability and Renewable Integration - Onshore & Offshore Wind Farm	
10 TH MARCH 2026 (TUESDAY) Day-4		TIME: 05:00 PM- 06:30 PM Speaker: Mr. Sanjoy Sinhamahapatra Manager (M), MTPS, DVC Topic: Paradigm Shift of the Power Sector Over the Decades to Ensure Future Sustainability	
11 TH MARCH 2026 (WEDNESDAY) Day-5		TIME: 05:00 PM- 06:30 PM Speaker: Dr. Mehebab Alam, Manager (E), DVC, KOLKATA Topic: Energy conservation and energy efficiency: An evident need for future sustainability	TIME: 06.30 PM Valedictory of the Online STTP