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DEPT OF ECE & EE, SIT

organize

FACULTY DEVELOPMENT PROGRAMME

IoT AND VLSI PERSPECTIVES FOR ELECTRIC VEHICLE, SMART AND SUSTAINABLE ENERGY SYSTEMS

11th - 15th May 2026

RESOURCE PERSONS



Prof. (Dr.) Rabindranath Bera
 IIT Kalyani, Kalyani



Prof. (Dr.) Angsuman Sarkar
 Kalyani Govt. Engineering College, Kalyani



Prof. (Dr.) Pabitra Kumar Biswas
 NIT Mizoram, Mizoram



Dr. Suman Majumder
 NIT Mizoram, Mizoram



Dr. Chiranjit Sain
 GRCIET, Moida

Information for participants

Eligibility: Faculty members, research scholars, technical staff of the AICTE and UGC approved institutions.
 Mode: **Online**

Certification

A minimum of 90% attendance throughout the FDP is mandatory for receiving the certificate of completion. All participants must submit online feedback for each session. Failure to meet the attendance or feedback submission will lead to denial of the certificate of completion.



TOPICS TO BE COVERED

DAY - 1

IoT Enabled Smart Energy System
 and Electric Vehicle and others
 By **Prof. (Dr.) Rabindranath Bera**

DAY - 2

VLSI Perspectives for
 Energy-Efficient Systems
 By **Prof. (Dr.) Angsuman Sarkar**

DAY - 3

IoT Based EV
 By **Prof. (Dr.) Pabitra Kumar Biswas**

DAY - 4

Optimal Energy Management and
 Health Estimation for
 Energy Storage System
 By **Dr. Suman Majumder**

DAY - 5

Smart Electric mobility
 solution using AI/ML
 By **Dr. Chiranjit Sain**

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SILIGURI INSTITUTE OF TECHNOLOGY

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FACULTY DEVELOPMENT PROGRAMME



11th - 15th
MAY 2026



Google
Meet

Scan to Register



or visit - <https://bit.ly/SIT-FDP-A>

Last Date of Registration

4th MAY 2026

ABOUT THE FDP

This Faculty Development Programme (FDP) on "IoT and VLSI Perspectives for Electric Vehicle, Smart and Sustainable Energy Systems" is to enhance the knowledge and research capabilities of faculty members and researchers in the interdisciplinary domains of Internet of Things (IoT) and VLSI Technologies with a focused application toward Electric Vehicle (E.V.), Smart and Sustainable Energy Systems.

The programme aims to provide in-depth exposure to emerging architectures, low-power VLSI design, embedded intelligence, sensor networks, and IoT-enabled energy management solutions.

Through expert lectures participants will gain practical insights into designing energy-efficient, scalable, and intelligent systems aligned with national priorities such as sustainable development, smart grids, renewable energy integration, and Industry 4.0.

It also seeks to motivate participants to undertake collaborative research, curriculum development, and innovative projects in the area of smart energy technologies.

ABOUT SIT

Siliguri Institute of Technology (SIT) is one of the premier institutes in Eastern India under Techno India Group and approved by AICTE. The institute runs B.Tech Programs (CSE, IT, ECE, EE, CE, CSE in AI&ML, ECS), Postgraduate Courses in Management (MBA) and Computer Application (MCA) and other professional courses. The institute is affiliated to Maulana Abul Kalam Azad University of Technology (MAKAUT) (formerly WBUT) for the award of degree. Within a short span of time, the Institute has made its presence felt in the state & in the country.

Siliguri Institute of Technology is about 5 kms. away from Siliguri town. The Institute has a sprawling and picturesque campus surrounded by lush green tea gardens and dense forests.

ABOUT ECE & EE

The Departments of Electronics and Communication Engineering (ECE) and Electrical Engineering (EE) at SiT were established at the very inception of the college. Over the past twenty-seven years, the departments have been offering advanced technological courses supported by well-equipped laboratories that facilitate both undergraduate education and research & development activities. The departments regularly organize seminars, workshops, and invited talks to enhance the academic environment of the institute. Students are encouraged to engage in research work. The ECE and EE departments comprise highly qualified and experienced faculty members with strong research backgrounds. These programs are designed to provide students with a strong foundation in theoretical concepts along with practical skills in modern engineering technologies, preparing them for professional careers and higher studies.

REGISTRATION

Registration Fee: Rs. 200/-

Upload payment details/screenshot during registration. The Google Meet link and schedule will be shared after verification of payment.

Pay @

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OF TECHNOLOGY

A Salem Autonomous Institute
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MD, Techno India Group

Advisor

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Director, Techno India Group

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Principal-in-Charge, SIT-119

Co-Patron

Dr. Debajyoti Misra
HOD, ECE Dept.
Dr. Arup Das
HOD, EE Dept.

Convenors

Dr. Dia Ghosh
Assistant Professor, ECE Dept.
Mr. Pralay Roy
Assistant Professor, EE Dept.



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