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# DEPT OF ECE & EE, SIT

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## FACULTY DEVELOPMENT PROGRAMME

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

11<sup>th</sup> - 15<sup>th</sup> 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**

# DEPT OF ECE & EE

SILIGURI INSTITUTE OF TECHNOLOGY

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## FACULTY DEVELOPMENT PROGRAMME



11<sup>th</sup> - 15<sup>th</sup>  
MAY 2026



Google  
Meet

Scan to Register



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

Last Date of Registration

4<sup>th</sup> 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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IFSC: UBIN0558851  
Account Number: 502101011998107  
Branch: SIT Branch



### ORGANIZING COMMITTEE

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MD, Techno India Group

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Director, Techno India Group

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Principal, SIT

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HOD, EE Dept.

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