

Themes to be covered

There will be invited talks/demonstrations/hands-on in the following key topics:

- Electric Vehicle Applications
- Robotics & Automation
- Model-based Control
- Advanced Power Electronics

Format of the Workshop:

The Workshop will feature keynote presentations, technical sessions, hands-on sessions, and panel discussions, providing opportunities for knowledge sharing, networking and collaboration.

Who should attend

Faculty members, Students, Researchers, Practicing Engineers, Industry Professionals

Address for correspondence:

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Tentative Speakers

Academia:

Prof. Mukul Chandorkar, IIT Bombay

Prof. Amit Konar, JU

Prof. Amitava Chatterjee, JU

Dr. Anandarup Das, IIT Delhi

Dr. Santanu Kapat, IIT Kharagpur

Dr. Somnath Sengupta, IIT Kharagpur

Dr. Abhinoy Kumar Singh, IIT Patna

Industry Experts:

Mr. Sushmit Mazumdar, Staff Analog Design Engineer,
Reed Semiconductor Corporation

Dr. Sanketh Bhat, Controls and Digital Team, GE
Vernova Research.

Mr. Prasun Banerjee, Senior Accounts Manager-
East, MathWorks

Mr. Shubhra Jyoti Moitra, Senior Application
Engineer, Elmax Systems and Solutions

Mr. Rakesh Pachisia, Technical Sales Engineer,
DSpace

Mr. Amit Banerjee, Intellixa Pvt. Ltd.

Mr. Anand Jambholkar, Cybermotion
Technologies Pvt. Ltd.

Mr. Milan Maity, Edutech India

5-day National Workshop on INTELLIGENT EMBEDDED CONTROLLERS – THE WAY FORWARD

(IEC 2025)

July 8, 2025 – July 12, 2025



Organized by

**DEPARTMENT OF ELECTRICAL ENGINEERING
Indian Institute of Engineering Science and
Technology, Shibpur, Howrah**



About the Workshop

In alignment with NEP 2020, the Department of Electrical Engineering, Indian Institute of Engineering Science and Technology, Shibpur, Howrah – 711103, West Bengal announces hosting of a **5-Day National Workshop on Intelligent Embedded Controllers – The Way Forward (IEC 2025)**.

This event brings together distinguished academicians from premier institutions, like IITs, and eminent industry experts to encourage faculty members and students to face the challenges in application of embedded systems in their field of research. Digital controllers are now almost an irreplaceable part of all engineering applications. With the inroad of AI into all spheres of life, intelligent embedded controllers and their hardware and software design are now part of all engineers' skill set, more so for Electrical and Electronics engineers. Participants of the workshop will gain hands-on experience with exposure to controller design on microcontroller/FPGA platform and use of professional software like MATLAB, Simulink, essential for increasing employability and understanding the real-world applications of modern power electronics, control systems, bio-medical engineering, and other engineering applications.

We extend our cordial invitation to all for active participation in this event to interact and exchange views with fellow researchers and experts on this important issue of harnessing the power of intelligent embedded controllers. We believe that this Workshop will foster a collaborative platform between academia, research organizations and industry, thus promoting experiential learning.



The Institute

Located on the banks of the river Hooghly, IEST, Shibpur, the erstwhile Bengal Engineering and Science University (165 years old), is presently spread over 170 acres of lush and varied greenery (being a part of the Indian Botanical Garden). It is well connected with Howrah/ Kolkata/ Sealdah Railway terminals (15/30 min drive) and Kolkata airport (45min drive). Buses and cabs are available from the Railway terminals and NSC Bose international airport, Kolkata. The Shalimar railway station is 2 minutes' drive from the campus.

Registration Fees

The registration fees (incl. of GST) payable, per delegate, for the five days, is as follows:

Faculty/ Scientists/ equivalent (non-IEST)	6000/-
Faculty/ Scientists/ equivalent (IEST)	3000/-
Students/ Research Scholars (non-IEST)	1500/-
Students of IEST	1000/-

The Registration Fee will cover the Workshop-kit, Participation Certificate, Tea/coffee and Lunch on all the days.

Modes of Payment:

- 1) By bank transfer/ NEFT as per following details:
A/c Name : CONTINUING EDUCATION CENTRE BESUS
A/c No. : 1532010011963
Bank : PUNJAB NATIONAL BANK
Branch : BESUS BRANCH
IFSC Code : PUNB0153220 (Fifth character is zero)
- 2) Spot Registration by cash payment is available. The filled in registration form, however, must be submitted by email to the Coordinator on or **before June 15, 2025**.

Accommodation

Limited accommodation will be available in the Institute Guest-house for the out-station participants only with advance booking on first-come-first-served basis.

Financial Assistance

Return fare, free accommodation and Honorarium will be provided to the invited speakers only. All the participants are requested to arrange funds for their travel, accommodation and registration fee etc. from their parent institutions/ organizations.

5-day National Workshop

on

Intelligent Embedded Controllers – The Way Forward (IEC 2025)

July 8, 2025 – July 12, 2025

REGISTRATION FORM

Name:..... Sex: M/F

Designation:

Address:

Phone:..... Mobile:

Fax:

E-mail:

Accommodation Required: Yes / No

Food (Veg/ Non-Veg)

Dates of: Arrival: Departure:

Details of Registration Fee:

Draft/ NEFT details: Amt:

Txn/ No..... Dated.....

Date: _____ Signature of Delegate

Sponsoring Authority/ Head of Institute

NOTE: This Form and Fees/NEFT Receipt (both scanned copy) should be sent by e-mail to the Coordinator on or before June 15, 2025.