

About IEST Shibpur

IEST, Shibpur (Erstwhile "Bengal Engineering College") is the first college to become Indian Institute of Engineering Science and Technology (IEST) in India in 2014. It is empowering the nation since 1856. Considering the year of graduation it is the 2nd oldest engineering college in India. It has 16 departments and 8 schools.

About the Department

Mechanical Engineering, established in 1921, is one of the oldest departments of IEST Shibpur. Kindly click on the [link](#) for more information.

Outcome of the Faculty development Program

The Faculty Development Program (FDP) on '**Application of AI/ML in Mechanical Engineering**' aims to enhance the knowledge and research skills of faculty members and researchers in emerging Artificial Intelligence and machine learning domain more specifically in the field of mechanical engineering. **This FDP provides a dedicated platform for beginners to initiate and strengthen their work in the domain of Mechanical Engineering with applications of AI and ML.**

- Research and collaboration opportunity among faculty, researchers, and industry experts.
- Enhanced technical expertise in the latest advancements in AI and ML in thermal, design and manufacturing technologies.

Resource Persons

The session speakers will be eminent faculties and researchers from various IITs, NITs, and foreign university, Industries and other reputed engineering institutes and organizations. Some of our notable speakers are:

Prof. Ashesh Chattopadhyay, University of California

Prof. Gaurav Dwivedi, MANIT Bhopal

Prof. Ram Krishna, NIT Jamshedpur

Prof. Raju Prasad Mahato, SVNIT Surat

Prof. Ravi Kumar, NIT Patna

Prof. R. K. Viral, Amity Noida

Dr. Divya Asija, Amity Noida

Dr. Durbar Roy, ICTS Bangalore

Dr. Ojas satbhai, PDEU Ghandhinagar

Dr. Akash Shrivastava, UE SYSTEMS, USA

Dr. B. Venkata Sainath Mercedes Benz India Pvt. Ltd Bangalore

Dr. Sourabh Mukhopdhyay, Exon Mobil Bangalore

Note: Participation certificate will be issued to all registered attendees upon successful completion of the FDP.

Session themes

- AI/ML in Thermal Systems
- Intelligent Condition Monitoring and Predictive Maintenance
- Deep Learning for Structural Integrity and Failure Analysis
- Case study on Machine Learning for Mechanical Engineers
- AI-Application in Smart Manufacturing, IIoT, Electric Vehicles, Battery Thermal Management Systems, and Sustainable Energy Systems
- Data-Driven Modeling of Manufacturing Processes
- AI-Based Optimization in IC Engines and Power Systems
- AI-Driven Supply Chain and Logistics Optimization in Manufacturing etc.

Registration for FDP

Participants: Faculties, Researchers and Students from Academia and Industry.

Per participant Registration charge in INR

Research Scholar/PG Scholar- 1,000 + 18% GST= 1,180 INR

Faculty Member- 1,500+ 18% GST = 1,770 INR

From Industry/R&D Organization- 5000+ 18% GST = 5,900 INR

Registration Payment Details

NEFT Details:

Bank Name: Punjab National Bank

Beneficiary Name: IEST, Shibpur

A/C Name:

Continuing Education Centre BESUS

A/C No.: 1532010011963

IFSC Code: PUNB0153220

UPI ID: 9432104410m@pnb

Kindly mention "**AAiME-2026**" during payment.



The participants need to fill the following registration form after payment of fee:

<https://prourls.link/CgUdTx>



For any queries, kindly contact:

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5-Day Faculty Development Programme on

Application of AI/ML in Mechanical Engineering



02 – 06 February 2026, Online Mode

Organized by

Department of Mechanical Engineering,
Indian Institute of Engineering Science and Technology Shibpur, (formerly BE college), Howrah, West Bengal, India-711103

Important Dates

Registration opening: Jan 1, 2026

Registration closing: Jan 30, 2026

Coordinators:

Prof. Subhas Chandra Mondal, Professor and Head of the Department

Dr. Mukesh Kumar, Assistant Professor

Dr. Kush Kumar Dewangan, Assistant Professor