The Institution of Engineers (India)

(A Century of Service to the Nation)

Venue:
**Budge Budge Institute of Technology,
Nischintapur, Budge Budge, Kolkata-138**

Fourth Regional Conclave of Students' Chapters

(Eastern Region)

~Theme~

Emerging Trends of Advanced Technologies in Engineering Field

Date: 19-20 March 2025

Organised by

The Institution of Engineers (India)

Hosted by

Budge Budge Institute of Technology

In Collaboration with

West Bengal State Centre, IEI

The Institution of Engineers (India)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of over 2.62 lacs. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata 700020, IEI has served the engineering fraternity for over 100 years. In this period of time it has been inextricably linked with the history of modern-day engineering. In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional

excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 124 Centres located across the country.

IEI has been recognized as Scientific & Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Government of India and besides conducting its own research, provides Grant-in-Aid to UG/PG/ PhD students of Engineering Institutes & Universities.

IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IPEA). The Institution also awards the Professional Engineers [PEngg(I)] Certification.

For details, please visit www.ieindia.org

About the College

Budge Budge Institute of Technology (BBIT), Kolkata is a technical institute whose main objective is to produce result-oriented and skilled professionals to meet the ever-growing demands of industries. The success story of an institution weaves around its pillars, which supports and facilitates the growth of individuals. These pillars are students, parents, teachers, and administration. The institute seeks to set up a supportive environment the essence of which is "care".

Budge Budge Institute of Technology (BBIT), Kolkata started its journey in the year 2009. BBIT offers B. Tech degree in eight disciplines, viz. Civil Engineering, Computer Science and Engineering, CSE in Artificial Intelligence, CSE in Cyber Security, Information Technology, Electrical Engineering, Electronics and Communications Engineering, Mechanical Engineering, M. Tech in two specializations viz. Computer Science Engineering, Power System Engineering, MBA and Diploma Courses. Spread over a large area, BBIT has several multi-storied buildings, Central Library, Recreation Area, Games and Sports Complex, Auditorium, Multi-gym and several hostels for boys and girls. The institute is proud recipient of NBA accreditation in four departments (ME, EE and ECE) and NAAC accreditation.

For details, please visit www.bbit.edu.in

Objective

The Engineering field is rapidly evolving with the integration of advanced technologies, leading to ground breaking innovations. Artificial Intelligence (AI), Internet of Things (IoT) and Machine Learning (ML) optimize design, manufacturing, and predictive maintenance processes. Meanwhile, sustainable Engineering practices focus on renewable energy, waste reduction, use of electric vehicle, contributing to a greener future. Together, these technologies are shaping a new era in engineering, where innovation, efficiency, and sustainability go hand-in-hand.

The primary objective of this conclave is to bring together academicians, engineers, and industry professionals to share their views, discoveries, and challenges related to the emerging trends of advanced technologies. Additionally, this conclave will provide a platform for the participants to present and discuss their findings, showcase their innovations, environment for the exchange of ideas and impart quality knowledge.

Technical Sessions

- ✓ **Keynote Speech by Eminent Academicians**
- ✓ **Paper/Poster Presentation by Students/Researchers**
- ✓ **Panel Discussion by Industry Personnel**
- ✓ **Project/Model Exhibition and Competition**
- ✓ **Prize and Certificate Distribution**

Theme of Conclave

Emerging Trends of Advanced Technologies in Engineering Field

Important Dates for Paper Submission

Deadline for Paper Submission	05 Mar 2025
Notification of Acceptance	10 Mar 2025
Camera Ready Paper Submission	14 Mar 2025
Registration and Payment	15 Mar 2025
Conclave Date	19-20 Mar 2025

Registration Fees for Paper Presentation: 300/- (IEI Members), 400/- (Non IEI Members).

Few of the accepted papers will further be recommended for IEI Springer series journals (SCOPUS Indexed) and/or Book Chapters as extended version for the possible publications. The decision will be taken by the expert/committee recommendations. Rest of the papers will be published in the conclave proceedings.

For submitting the full length papers (IEEE double column format limited to 6 pages), please use the following link:

https://forms.gle/SBodsMyEfA1R3qVv6

Tracks

Track-1: Computer Science and Engineering
Track-2: Electrical and Electronics Engineering
Track-3: Civil Engineering
Track-4: Mechanical Engineering
Track-5: Management and Sustainability
Track-6: Basic Science and Humanities

Payment Information

A/c No: 100065415217
Beneficiary Name: Budge Budge Institute of Technology
Bank: IndusInd Bank
Branch: Kolkata
IFSC Code: INDB0001071

Registration Fees for Model Exhibition and Competition, Others: 300/- (IEI Members per group), 400/- (Non IEI Members per group). Please be noted that maximum 04 members are allowed in each group. For registration please use the following link by 15th March 2025:

https://forms.gle/h1wv9UDx5hte9j5H6

Advisory Committee

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Chief Patron: Shri Jagannath Gupta, Chairman, BBIT
Patron: Prof. Sandeep Malik, Principal, BBIT
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Convenor: Mr. Soubhik Bagchi, Assistant Professor and Advisor IEI Students' Chapter, EE, BBIT

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Mr. Dwaipayan Gupta, Assistant Professor and Head (ME-Diploma), BBIT
Mr. Anirban Datta, MIE, Honorary Secretary, West Bengal State Centre, IEI

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Chairman: Dr Raju Basak, FIE, Chairman, West Bengal State Centre, IEI
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Organising Joint-Secretary: Mr. Abhijit Roy, Assistant Professor, ME, BBIT

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