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One Week Faculty Development Programme (Online)

on

AI for Engineering Applications

17- 21 August, 2026

About E&ICT Academy

Electronics and ICT Academy is an initiative of the Ministry of Electronics and Information Technology (MeitY), Govt. of India for conducting various Faculty / Research Scholar Development Programme. Academy has planned short term training programmes on fundamental and advanced topics in IT, Electronics & Communication, Product Design, Manufacturing with hands-on training and project work using the latest software tools and systems. In addition, the Academy will conduct specialized / customized training programmes and research promotion workshops for corporate sector & educational institutions.

Who Can Attend?

The Programme is open to Faculty Members and PhD Research Scholars from universities and colleges. Faculty members are requested to submit a NOC from their respective institute before attending the session.

For details of the Programme and course contents please log in to Electronics and ICT Academy website: <https://eict.iitg.ac.in>

Scan to Register



eictacad@iitg.ac.in
eictacad@gmail.com



91-361-2583182 (O)
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Organized by
E&ICT Academy IIT Guwahati
in association with
Tripura Institute of Technology (TIT)





About Global Academy of Technology

Tripura Institute of Technology (TIT) is located in Narsingarh, West Tripura District, Tripura, India, 12 km from the capital Agartala and 2 km from Maharaja Bir Bikram Airport, Agartala. The institute, formerly known as the Polytechnic Institute, started operation in 1958 with the opening of three diploma courses: Civil Engineering, Electrical Engineering and Mechanical Engineering. The institute has been able to gain national name and reputation through more than six decades of excellence and illustrious journey, as a result of which the Ministry of Human Resources and Development (now MOE), Government of India has extended support from the World Bank under the Tech. Ed. -III project. The institute was upgraded to a degree-level institute in 2007 under the name Tripura Institute of Technology with UG courses in Engineering and Technology. TIT is a co-educational government institution under the Department of Higher Education, Government of Tripura offering five UG courses in Engineering and Technology, all approved by AICTE.. The institute currently offers eight Diploma engineering courses as well. The institute has successfully implemented the Technical Education Quality Improvement Program (TEQIP-II) and TEQIP-III projects of the Ministry of Education, Government of India, with support from the World Bank. The M. Tech. programs in Data Science, VLSI & Embedded Systems, and Thermal Engineering were started from 2020-21 academic session. M. Tech. in Power and Energy Systems was introduced from the 2021-22 academic session. The Computer Science & Engineering Department of TIT, Narsingarh is NBA accredited up to 2027-28 academic years.

Course Objective

- To introduce the fundamental concepts, techniques, and tools of Artificial Intelligence relevant to modern engineering applications.
- To develop an understanding of intelligent systems, problem-solving methods, knowledge representation, and decision-making techniques used in engineering domains.
- To provide practical exposure to Machine Learning, data analysis, and predictive modeling for solving real-world engineering problems.
- To familiarize learners with AI-based tools and technologies used in automation, smart manufacturing, robotics, optimization, and intelligent control systems.
- To enable students to design and implement AI-driven solutions using programming tools and engineering datasets.
- To enhance analytical, computational, and innovation skills for developing intelligent engineering applications.
- To create awareness about ethical issues, challenges, and future trends of AI in engineering and industrial environments.

Course Outcome

- Understand the fundamentals of Artificial Intelligence and its engineering applications.
- Apply AI techniques to solve real-world engineering problems.
- Analyze data and develop basic Machine Learning models.
- Design and implement AI-based engineering solutions using appropriate tools and technologies.
- Evaluate the impact, challenges, and ethical aspects of AI in engineering applications.

Pre-Requisites

- Basic knowledge of programming concepts.
- Fundamental understanding of mathematics and statistics.
- Familiarity with engineering problem-solving techniques.
- Basic knowledge of computers and data handling.

For Online Transfer

Account Name: IIT Guwahati R
and D, E and ICT Academy
Account No.: 36071160089
IFSC Code: SBIN0014262
Bank Name: State Bank of India



Registration Fee

Rs. 500/- (Inclusive of GST)

Mode Of Payment: Online Only (NEFT/RTGS/IMPS)

Registration Link

<https://forms.gle/Pgxn2bT73W2PMqoT7>

Please Note

1. Registration fees includes, evaluation, participation certificate and grade certificate
2. Registration fees is refundable if the registration cancellation request is submitted before the last date of registration.
3. Participants have to submit UTR No. as the proof of payment while registering for the Faculty Development Programme.

Course Date

17th – 21st August, 2026

Last Date of Registration:

10/08/2026

(Online Registration Link will be open
from: 14/05/2026)

Per Day Timing:

09:30 am to 05:30 pm

Contact Hours for the Course:

40Hrs (Theory, Activities, Case Studies & Evaluation)