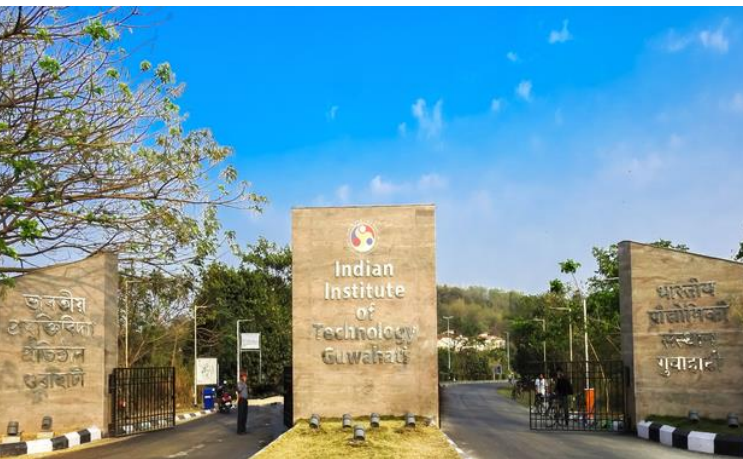




One Week Faculty Development Programme (Offline)
on
Deep Learning and Generative AI for Sustainable future: Innovation in health and cybersecurity

31st August - 04th September, 2026



Organized by
E&ICT Academy IIT Guwahati in association with the
Department of Artificial Intelligence and Data
Science, Vishwakarma Institute of Technology, Pune

Venue: Vishwakarma Institute of Technology (VIT)
666, Upper Indira Nagar, Bibwewadi, Pune,
Maharashtra 411037



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 also conducts specialized / customized training programmes and research promotion workshops for corporate sector & educational institutions. Training of 1,35,000 Faculty Members/Trainers in Engineering and non-engineering colleges, Polytechnic, ITI and PGT educators Besides training of faculty members, at least 350 new/ unique FDPs would be developed in niche/ state-of-the art technological areas, considering future-of-work and integration of industry specific requirement.

Who Can Attend?

The Programme is open to Faculty Members and PhD Research Scholars from universities and colleges. Faculty members are requested to submit an 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



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About Vishwakarma Institute of Technology, Pune

Vishwakarma Institute of Technology, Pune, a highly commendable private Institute, occupies a place of pride amongst the premier technical Institute of the western region of India. Established in 1983, financed and run by Bansilal Ramnath Agrawal Charitable Trust, it is affiliated to Savitribai Phule Pune University. The institute runs 12 Under Graduate, 4 Post Graduate & 3 Ph.D. programs which are affiliated to the university. The institution has been awarded ISO 9001-2008 certification by BSI, India & granted autonomous status since academic year 2008- 2009. The institute has marched towards the pinnacle of glory through its remarkable achievement & laurels in the field of engineering education. The Department of Artificial Intelligence and Data Science established in 2020 adhering to ever increasing need of AI in current industry standard.

Course Objective

- Strengthen participants' understanding of deep learning and generative AI concepts and their recent advancements.
- Familiarize faculty members with state-of-the-art AI models, tools, and frameworks for research and teaching.
- Explore the role of AI in promoting sustainable solutions in healthcare and cybersecurity.
- Provide hands-on exposure to developing AI-based applications using modern platforms and open-source frameworks.
- Discuss ethical, responsible, and secure deployment of AI technologies in education, research, and industry.
- Enable participants to integrate emerging AI technologies into curriculum design, interdisciplinary research, and innovation.

Course Module

- Module 1: Fundamentals of Deep Learning and Neural Networks.
- Module 2: Generative AI, Large Language Models, and Prompt Engineering.
- Module 3: AI Applications in Sustainable Healthcare.
- Module 4: AI-driven Cybersecurity and Secure AI Systems.
- Module 5: Responsible AI, Sustainable Development, and Emerging Trends.

Course Outcome

Upon successful completion of the programme, participants will be able to:

- Explain the principles and recent developments in deep learning and generative AI.
- Develop and evaluate deep learning models using contemporary AI frameworks.
- Apply generative AI techniques to address challenges in healthcare and cybersecurity.
- Design AI-enabled solutions that contribute to sustainable development.
- Integrate AI tools and methodologies into teaching, research, and academic projects.
- Evaluate ethical, privacy, security, and governance issues associated with AI applications.
- Identify emerging research opportunities and funding prospects in deep learning and generative AI.

Pre-Requisites

- Basic knowledge of Python programming.
- Familiarity with machine learning concepts is desirable.
- Laptop with internet connectivity for hands-on sessions.

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. 1,180/- (Inclusive of GST)

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

Registration Link

<https://forms.gle/jrfsZD3L1uBbCKPL8>

Please Note

1. Registration fees includes E&ICT Academy kit, stationary, 5 days lunch and tea, 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

31st August to 4th September 2026

Last Date of Registration:

24/08/2026

(Online Registration Link will be open
from: 05/08/2026)

Per Day Timing:

09:30 am to 05:30 pm

Contact Hours for the Course:

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