Electronics & ICT Academy
IIT Roorkee

An Initiative of
Ministry of Electronics & Information Technology (MeitY)
Government of India

A Faculty Development Program
on

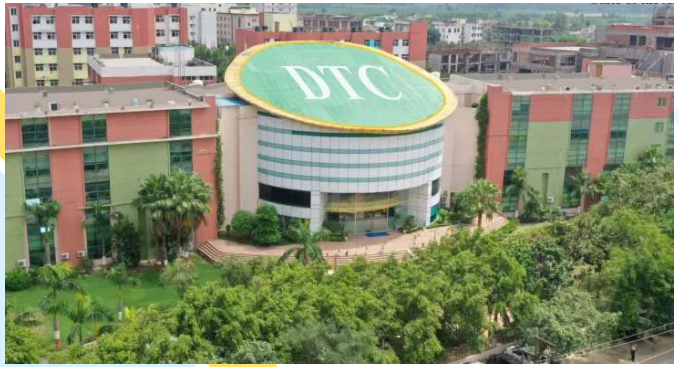
Evolving Intelligence: From Machine Learning to Generative AI

In association with

Delhi Technical Campus , Greater Noida

Feb 10 - Feb 14, 2025

Register Before: Feb 07, 2025



Venue: Hybrid Mode: Delhi Technical Campus , Greater Noida

Why this course ?

The Faculty Development Program on Evolving Intelligence: From Machine Learning to Generative AI equips participants with cutting-edge knowledge and practical skills to harness AI's transformative potential. This course bridges the gap between foundational AI principles and advanced generative AI paradigms, fostering research, innovation, and curriculum enhancement. With hands-on sessions, expert guidance, and real-world applications, participants will be empowered to advance AI education, integrate AI technologies, and address societal challenges responsibly.

Prerequisites

No experience is required, but fundamental knowledge of any programming language would be helpful.

Objectives of the course

- Understand the evolution and theoretical foundations of AI.
- Explore advanced generative AI models like GANs, VAEs, and transformers.
- Gain hands-on experience in building machine learning and generative AI models.
- Promote research and innovation in AI applications.
- Address ethical challenges and societal impacts of AI adoption.
- Integrate AI concepts into academic curricula and teaching pedagogy.
- Foster collaboration and networking among AI professionals.

Focus Areas

- Evolution of AI: From machine learning to generative AI.
- Deep learning architectures: CNNs, RNNs, and transformer models.
- Generative AI: GANs, VAEs, and diffusion models.
- Reinforcement learning and autonomous systems.
- Ethical and societal implications of AI technologies.
- Industry-specific applications of AI in healthcare, finance, and smart cities.
- Hands-on projects with Python, TensorFlow, and Keras.

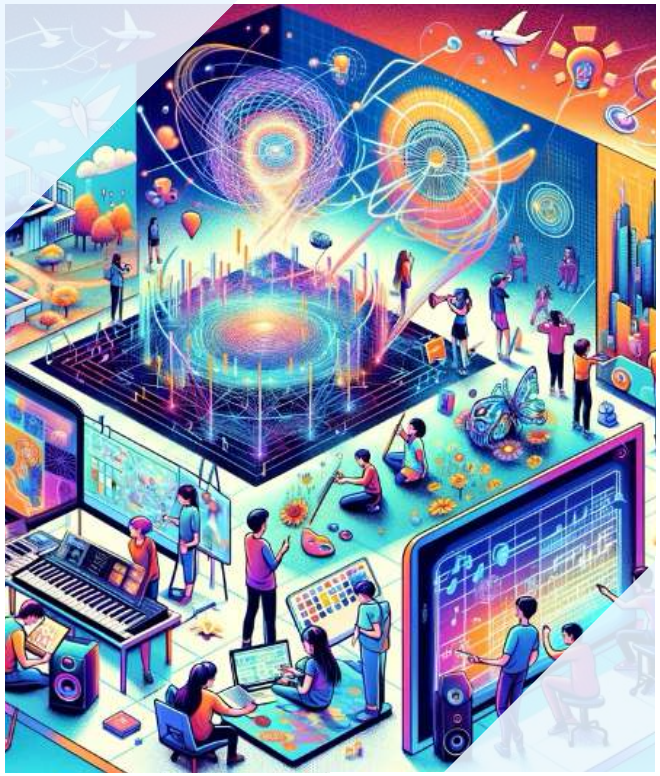
Course Features

- 40 Hours of Lectures, hands-on, and Pedagogy/Industry sessions.
- Lectures from Expert Speakers, Hands-on from industry/Academia experts.
- Access to learning material and video lectures
- Certificate by E&ICT Academy IIT Roorkee

Course Outcomes

Participants are likely to:

- Mastery of AI evolution and key ML and generative AI concepts.
- Proficiency in developing AI models using Python, TensorFlow, and Keras.
- Capability to implement generative AI for real-world applications.
- Enhanced teaching strategies for AI and ML concepts.
- Research contributions in AI advancements and interdisciplinary projects.
- Addressing societal challenges through responsible AI innovation.
- Empowerment to mentor students in advanced AI projects and foster innovation.



Experts from Academia/Industry

Who Should Register?

Any Interested Faculty/PhD-Scholars UG/PG/ & Industry Persons can register

Registration Fee

Fees: ₹ 250/- Faculty/Research Scholar/ Students
₹ 500/- Industry/Others
Note: Refund will be done in case of course cancellation only, with in 20 working days

FDP Kits & Refreshment will be provided

How to make Payment

Please make the payment first using the below link upload the payment receipt when filling out the Google registration form

https://eict.iitr.ac.in/instruction-for-payment/

Conference Code: EICTIITR-FDP-25-18

Registration Link

https://forms.gle/ywj6VGZKezr957Tf8

Scan QR for registration

Register before:
Feb 07, 2025

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Who may benifits

- Academic Faculty and Students(UG/PG)
- Government Officials.
- Working Professionals in the Semiconductor Industry and Startups.
- Reasearch Scientists and Technical Staff.

This certificate can be considered in alignment with other Quality Improvement Programs (QIP) as well as NBA and NAAC for recognition/credit.

Principal Investigator

Prof. Sanjeev Manhas
ECE Department, IIT Roorkee

Course Coordinators

- Prof. Sanjeev Manhas, IIT Roorkee
- Prof. Krishna Kant Singh, Director, Delhi Technical Campus, Greater Noida

Reach Us:

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