Electronics & ICT Academy
IIT Roorkee

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

A Faculty Development Program
on
AI Securities and Ethics Practices (AISEP)

In association with
Netaji Subhas University of Technology
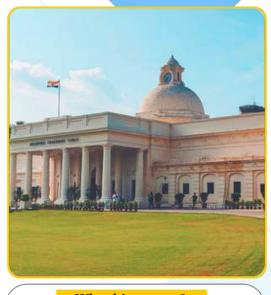
Apr 21 - Apr 25, 2025

Register Before: Apr 19, 2025

Venue: Offline Mode at Netaji Subhas University of Technology, Dwarka sec-3, New Delhi-110078

Course Outcomes

- Analyze and critique ethical issues associated with AI technologies
- Understand the global legal frameworks and their impact on AI deployment
- Identify sources of bias in algorithms and explore methods for mitigation
- Apply ethical reasoning to real-world AI case studies
- Design ethically sound AI systems considering fairness, accountability, and transparency
- Engage with ongoing research and contribute to scholarly discourse in AI ethics
- Bridge the gap between AI development and ethical decision-making in practice

Why this course ?

Artificial Intelligence is no longer a futuristic concept—it is embedded in the fabric of our daily lives, influencing decisions in healthcare, education, security, and governance. However, with rapid advancements come significant ethical challenges. This course is designed to provide a comprehensive understanding of these challenges and foster critical thinking about the responsible development and application of AI. With contributions from international experts and faculty from premier institutions, the course offers a unique blend of theory, policy, and practice.

Prerequisites

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

Experts from Academia/Industry

Who Should Register?

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

Registration Fee

Fees: ₹ 500/- Faculty/Research Scholar/ Students
₹ 750/- 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: EICTITR-FDP-25-37

Registration Link

https://forms.gle/WbqZKL9WCx1SnxUaA

Scan QR for registration
Register before:
Apr 19, 2025

Click on icon to follow us on:

Objectives of the course

- To develop a foundational understanding of ethics in AI
- To explore the intersection of law, society, and artificial intelligence
- To expose participants to global research challenges in ethical AI
- To enable hands-on learning through real-world case studies and lab sessions
- To encourage dialogue on responsibility, control, and fairness in AI algorithms
- To foster awareness about myths, risks, and future directions of AI ethics

Focus Areas

- Universal ethical challenges in AI across sectors
- Algorithmic bias and surveillance implications
- Legal and policy frameworks related to AI ethics
- Democratic control and accountability in AI systems
- Applications and limitations of AI in critical domains
- Responsible research and innovation
- AI consciousness and autonomy debates
- Real-world case studies in healthcare, autonomous vehicles, and defense

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

Who may benifits

- Academic Faculty and Students(UG/PG)
- Government Officials.
- Working Professionals in the 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
ECEDepartment, IITRoorkee

Course Convener

Dr. Geetanjali NSUT

Course Coordinators

- Prof. Sanjeev Manhas, IIT Roorkee
- Dr. Vijay Kumar Bohat, NSUT
- Dr.Ankur Gupta, NSUT

Reach Us:

📱 M.No.: 8112766397
☎ Landline No.: +91-1332286457
✉ Email: eict@iitr.ac.in