eict IIT Roorkee

Electronics & ICT Academy IIT Roorkee

An Initiative of

Ministry of Electronics & Information Technology (MeitY)

FACULTY DEVELOPMENT PROGRAM ON IOT & AI Technologies for Research and Future trends

In association with

Electronics and Communication Engineering Department NSUT , EAST CAMPUS

25th March 2025 to 29th March 2025

VENUE

Netaji Subhas University of Technology East Campus, Geeta Colony-110031

Target Participants

- Faculty members from Electronics engineering, computer science, and any related disciplines
- Research scholars and postgraduate students interested in IoT & AI
- Industry professionals looking to explore emerging trends in smart technologies
- Academicians seeking to integrate IoT & AI into their research and teaching methodologies
- Professionals from R&D organizations and startups working on IoT and AI-based solution

Chief Patron
Prof. Anand Srivastava, Hon.VC(NSUT)

Patron
**Prof. Narendra Kumar, Director (EC)
Prof. M P S Bhatia, Dean (FICT)
Prof. Rashmi Gupta, HoD (ECE)**

Convener
**Prof. Ashok Mittal
Prof. R.K Sharma**

Principal Investigator / Coordinator
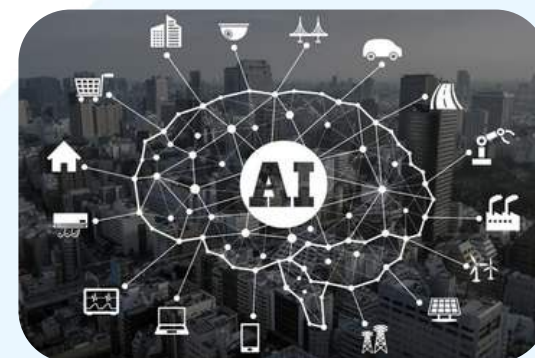**Prof. Sanjeev Manhas, ECE IIT Roorkee**

FDP Coordinator
**Dr. Garima Srivastava
Asst. Prof (ECE), NSUT EAST
garima.srivastava@nsut.ac.in**

Experts from IIT Delhi, IIT Roorkee, NIT Delhi, IIIT Ranchi, DTU, JNU, ISRO, Adobe US, Microsoft, Thoughtspot

Objectives of the Course

- To provide a comprehensive understanding of IoT and AI technologies and their role in modern research and development.
- To explore emerging trends and advancements in IoT and AI for interdisciplinary research and industrial applications.
- To enhance the ability to design and implement AI-driven IoT solutions for real-world challenges.
- To foster research collaboration by connecting academicians, researchers, and industry professionals.
- To enable faculty members to integrate IoT and AI concepts into academic curricula and research methodologies.
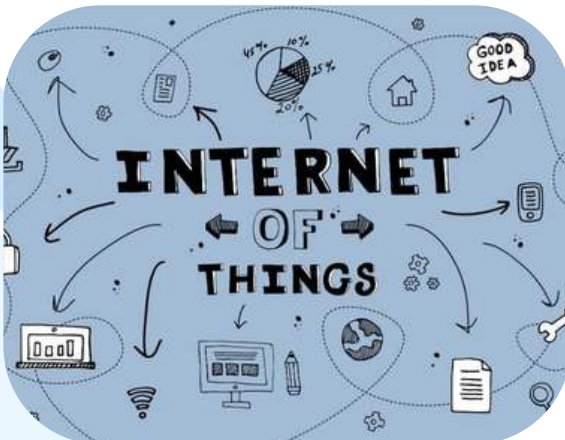

Focus Area

- Gain in-depth knowledge of IoT and AI technologies, their frameworks, and applications in research.
- Engage in practical sessions to develop proficiency in IoT architectures, AI models, and data analytics tools.
- Explore emerging trends, key challenges, and future research opportunities in IoT and AI.
- Understand real-world applications of IoT and AI across domains such as smart cities, healthcare, and automation.
- Interact with esteemed academicians, researchers, and industry experts for knowledge exchange and collaboration.

About The University

Netaji Subhas University of Technology (formerly NSIT) is a premier technical institution in India, renowned for academic and research excellence. The Electronics and Communication Engineering Department and Computer Science Engineering Department offers a range of programs, including many undergraduate, postgraduate, and Ph.D. courses, providing high-quality education and fostering growth.

E&ICT Academy

The Electronics & ICT (EICT) Academy is an initiative by the Ministry of Electronics and Information Technology (MeitY), Government of India, aimed at enhancing the skills and knowledge of faculty members, researchers, and industry professionals in emerging technologies. Established in premier institutions across India, EICT Academies focus on capacity building through faculty development programs (FDPs), workshops, and training sessions in areas such as Artificial Intelligence (AI), the Internet of Things (IoT), Data Science, Cybersecurity, and more.

Registration procedure

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

Registration Link :
https://forms.gle/avJTZtnkqnxRp8cp7

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

Register before: March15, 2025

Organizing Committee

- Prof. Arti MK
- Prof. S.K Dana
- Prof. Richa Bhatia
- Prof. M Gangadharappa
- Dr. Manisha Khulbe
- Dr. Dinesh Raheja
- Dr. C.S Vinitha
- Dr. Aarti Jain
- Dr. Patteti Krishna
- Dr. Avinash Kumar

Why this course?

As IoT and AI continue to transform industries, understanding their integration is essential for researchers and professionals. IoT enables seamless data collection, while AI enhances decision-making through predictive analytics and automation. Together, they power smart cities, healthcare innovations, industrial automation, and intelligent systems.

This course equips participants with the necessary knowledge and skills to leverage IoT-AI convergence, tackle real-world challenges, and explore cutting-edge research opportunities. With expert-led sessions and hands-on training, participants will gain practical insights into designing and implementing next-generation intelligent solutions, making this course invaluable for academic and professional growth.