eict
IIT Roorkee

Electronics & ICT Academy IIT Roorkee

An Initiative of

Ministry of Electronics & Information Technology (MeitY)

Government of India

A Faculty Development Program

on

Recent Innovations in Communication Systems, AI ML, and Biomedical Systems

In the collaboration with

KITS AUTONOMOUS
KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES

KKR & KSR Institute of Technology and Sciences, Guntur

Jan 20 - Jan 24, 2025

(01:30 PM to 09:30 PM)

Register Before: Jan 18, 2025

Hybrid Mode

Venue: KKR & KSR Institute of Technology and Sciences, Guntur

Why this course ?

This FDP explores groundbreaking innovations in communication systems, AI/ML, and biomedical technologies. It equips participants with advanced knowledge, hands-on skills, and interdisciplinary perspectives to tackle real-world challenges. By bridging academia and industry, the course fosters cutting-edge research and practical applications, empowering professionals to drive advancements in 5G, IoT, diagnostics, imaging, and personalized medicine. It's ideal for those seeking expertise in emerging technologies.

Prerequisites

Participants can be Faculty, working professionals, Research Scholars, or Students (passed or appearing UG/PG) of Electronics domain

Objectives of the course

The broad objectives of the course are:

- Understand advancements in communication, AI/ML, and biomedical systems.
- Apply AI/ML to real-world challenges.
- Explore AI integration in 5G and IoT.
- Learn AI/ML applications in diagnostics and medicine.
- Promote interdisciplinary research and innovation.
- Bridge academia-industry knowledge gaps.
- Enhance problem-solving in emerging technologies.

Focus Areas

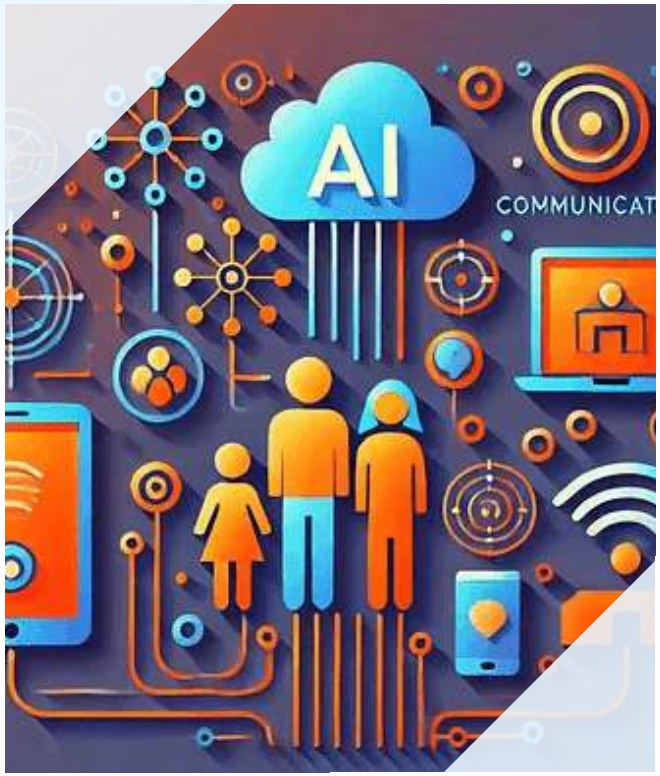
- Advancements in 5G, IoT, and communication systems.
- AI/ML in communication and healthcare.
- AI for diagnostics and imaging.
- Wireless technologies with AI integration.
- Interdisciplinary research and innovation.
- Academia-industry application alignment.
- Hands-on AI/ML tools and techniques.

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

- Gain insights into advanced communication, AI/ML, and biomedical systems.
- Apply AI/ML to real-world problems in communication and healthcare.
- Learn about 5G, IoT, and AI-driven communication systems.
- Understand AI/ML in diagnostics, imaging, and personalized medicine.
- Analyze and solve challenges using innovative AI solutions.
- Foster research at the intersection of AI, communication, and biomedical fields.
- Bridge the gap between academia and industry in applying innovations.



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-25-07

Registration Link

https://forms.gle/P6uxQmdYkkqbkMNg6

Scan QR for registration

Register before:
Jan 18, 2025

Follow us on:

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
- Dr. Sarala Patchala, Associate Professor ECE Department, KKR & KSR Institute of Technology and Sciences: Guntur

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