

Electronics & ICT Academy IIT Roorkee

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

A Faculty Development Program on

Demystifying Machine Learning

In association with

Anurag University

Jan 20 - Jan 25, 2025

Register Before: Jan 18, 2025

Hybrid Mode

Venue: Department of AI, Anurag
University Hyderabad



Why this course ?

In a rapidly evolving digital landscape, machine learning has become a critical tool across industries. This course equips participants with advanced machine learning (ML) techniques and practical skills to solve real-world problems. Through hands-on sessions, learners gain expertise in ML algorithms, tools like Python and TensorFlow, and the ability to analyze and model data effectively. By integrating concepts from data science, artificial intelligence, and applied mathematics, this program prepares participants to meet industry demands and tackle complex challenges with an interdisciplinary and forward-looking approach.

Prerequisites

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

Objectives of the course

- Explore the integration of machine learning in solving real-world problems.
- Gain hands-on experience with tools like Python and TensorFlow for data analysis.
- Develop the ability to identify patterns, anomalies, and trends in datasets.
- Work on practical, project-based learning to enhance applied ML skills.
- Prepare for industry demands in machine learning and data science.
- Stay ahead of evolving challenges by leveraging advanced ML techniques.
- Build interdisciplinary expertise by combining machine learning and data analysis.

Focus Areas

- Hands-on experience with Python, TensorFlow, and Scikit-learn.
- Data analysis and anomaly detection using machine learning.
- Interdisciplinary approach to solving real-world challenges.
- Development of industry-relevant machine learning skills.
- Practical problem-solving through project-based learning.
- Staying ahead with advanced ML techniques for emerging trends.

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

- Apply machine learning to solve real-world problems.
- Use tools like Python and TensorFlow for practical applications.
- Analyze data to identify patterns and trends.
- Solve complex scenarios with hands-on ML solutions.
- Gain interdisciplinary expertise in machine learning and data analysis.
- Meet industry demands with advanced ML skills.
- Stay prepared to address evolving challenges effectively.



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, within 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-25-12

Registration Link

<https://forms.gle/hiAMZRUZrveGTyYZ6>



Scan QR for
registration

Register before:
Jan 18, 2025

Click to follow us on:



Who may benefit

- Academic Faculty and Students(UG/PG)
- Government Officials.
- Working Professionals in the
Semiconductor Industry and Startups.
- Research 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. A Mallikarjuna Reddy, Anurag
University
- Dr. R. Sravanth Kumar, Anurag
University

Reach Us:

M.No.: 8112766397

Landline No.: +91-1332286457

Email: eict@iitr.ac.in