

Online Faculty Development Program

on

Machine Learning using Python

[03 July - 13 July, 2023]

under the aegis of

Electronics & ICT Academy

IIT Roorkee



Supported by

Ministry of Electronics & Information

Technology

Government of India



Experts from Academia/Industry

Expert Lecture from IIT Roorkee

Mr. Sriraman, Devarty Technologies

Principal Investigator

Prof. Sanjeev Manhas, E&ICT

Academy IIT Roorkee

Certificates to participants by E&ICT

Academy IIT Roorkee



Class will be delivered through
online platform

Why Machine Learning ?

Machine Learning has become an essential part of everyday life and emerged as a critical component of modern business intelligence in recent years. One of the most powerful tool to implement Machine Learning is Python programming.

- According to Kdnuggets- Businesses will need one million ML engineer/ data scientists in near future
- Data Scientist has been named the best job - Forbes

Objectives of the course

- Provide a foundation of Python scripting and its principles.
- Design and implement of real-world inspired ML algorithms applications.
- Boost your career prospects through innovative and independent learning.
- Project work with real-life problems (Handwritten optical image recognition).

Course Features

- 40+ Hours of live instructor-led classes
- Lectures from IIT Roorkee, Hands-on from industry experts
- Expert talks from the industry
- 3 hrs of doubt-clearing sessions on weekends
- Access to learning material and video lectures
- Certificates by E&ICT Academy IIT Roorkee

Focus Areas

- Introduction to packages in Python
- Tuples, Set, Dictionaries & Functions
- Numpy, Scipy, Pandas, EDA
- Supervised Machine Learning
- Statistics, Hypothesis Testing, Distributions
- Linear Regression, Logistic Regression
- Decision Tree, Random Forest
- Support Vector Machines
- Heuristic Approaches of ML
- Projects and Assignments

Prerequisites

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

Registration Link

<https://forms.gle/DBaLTEm2CdPBjHJA>

Registration Link

Fees: 800/participant, non refundable
(Applicable for all)

Note: Refund will be done in case of course cancellation only, with in 20 working days

How to make payment

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

Conference Code: EICTIITR-FDP-23-09

Course Coordinators

- Prof. Sanjeev Manhas, ECE Department, IIT Roorkee
- Dr. Sudipta Basu Pal, CST & CSIT Department, UEM Kolkata

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