

Online Certification Course

on

Data Science and Machine Learning using Python

June 02- June 15, 2021

[Evening Batch - 5 PM onwards]

under the aegis of

Electronics & ICT Academy
IIT Roorkee



Supported by

Ministry of Electronics & Information
Technology
Government of India



Experts from Academia/Industry

Prof. R. Balasubramanian, IIT Roorkee

Prof. Partha Partim Roy, IIT Roorkee

Mr. Bipul Shahi from Diginique TechLabs

Expert talks from Industry

Principal Investigator

Prof. Sanjeev Manhas, IIT Roorkee

Certificates to participants by E&ICT
Academy IIT Roorkee



Class will be delivered through
online platform

Why ML & DS ?

In recent years, Data Analytics and Machine learning has emerged as powerful techniques for solving problems involving huge loads of data. Machine Learning algorithms help towards taking a better decision. Machine learning provides algorithms and tools that are useful for solving classification and regression tasks.

- The whole data analysis process is a cycle of trial and error: design features and clean and normalise the data, reduce input dimensionality

Objectives of the course

- Provide 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 (Hand written optical image recognition and Exploratory analysis on Covid 19)

Course Features

- 40+ Hours of live instructor-led classes.
- Lectures from IIT Roorkee, Hands-on from industry experts.
- Expert talks from industry.
- Career guidance sessions from the experts.
- 3 hrs of doubt clearing sessions.
- 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

<http://tiny.cc/7aiwtz>

Registration Fee

Fees: ₹ 8000/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-SUM-23

Course Coordinators

- Prof. R. Balasubramanian, CSE Department, IIT Roorkee
- Prof. Partha Pratim Roy, CSE Department, IIT Roorkee
- Prof. Sanjeev Manhas, ECE Department, IIT Roorkee

Reach Us:

- Ph.: +91-7409146082, +91-9149130233
- Email: eict@iitr.ac.in