

Online Certification Course

on

Machine Learning using Python

[04 May - 17 May, 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 Pratim Roy, IIT Roorkee

Mr. Sriraman, Devarty Technologies

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 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 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 on weekend.
- 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/x6fctz>

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/Paymentdetails.html>

Conference Code: EICTIITR-SUM-19

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.: +91-9149130233, +91-6376670716
- Email: eict@iitr.ac.in