



AFFINE



Post Graduate Certificate Program in

Data Science and Machine Learning

IIT - Roorkee

Program Overview



Comprehensive curriculum covering fundamental to advanced topics



Live online sessions by IIT Roorkee faculty and industry experts



Weekend sessions to minimize disruptions for working professionals



Capstone project to demonstrate skills by solving business problems



Eligibility Criteria

- Bachelor's degree with minimum 50%
- No coding or mathematics background are needed. However, an engineering degree is highly desired
- Min. 2 years of experience preferably in software domain

Evaluation

Evaluation should be based on following mentioned criteria

- 10% weightage to attendance
- 60% for assignments and projects
- 10% for quizzes
- 20% for capstone project

Learners need to complete all the modules with at least one assignment submission and minimum 60% quiz score.

Program Duration

- 10 months course of 330+ hours
- 137 hours of instructor led live online sessions & campus immersion sessions
- 196 hours of recorded videos, assignments, and projects
- 5 days campus immersion at IIT Roorkee Campus



Programme Content

Sr. No	Module
1	Foundations of Data Science
2	Python for Data Science
3	Exploratory Data Analysis and Data Visualization
4	Machine Learning
5	Text Analytics
	Hackathon 1
6	Neural Networks & Deep Learning
Sp. 1	Deep Learning Applications (Image & Speech)
Sp. 2	Data Engineering
	Campus Immersion
	Capstone Project
	Industry expert sessions

Class timings

Saturday & Sunday 2 – 4 pm

