

Short Term Weekend Course
On
Data Analytics and Machine Learning with Python

3rd Dec – 24th Dec, 2022 | Venue- Online



Organized

by



Vinod Gupta School of Management
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INTRODUCTION

With the advancement of computational technology, analytics has become an inevitable part of business. For gaining competitive advantage through data driven decision making, managers should be able to marry raw data with business acumen. In this program, we will try to do the same. The program is targeted to create data analysts and introductory data scientists with focus on managerial applications of analytics.

OBJECTIVES OF THIS COURSE

- This programme will teach the participants hands on usage of Python programming
- It will also teach the participants data analytics skills and its applications in read world situations
- The programme will help the participants use the acquired skills in solving assignments which will mimic real case studies.

KEY FEATURES

- Learn from IIT Kharagpur faculty and industry leaders
- Weekend program (Starting from 3rd December 2022)
- 30 hours interactive training
- Certificate from VGSOM and IIT Kharagpur, Continuing Education Program

COURSE CONTENTS

SLNO	Topics	Teaching Sessions
Module 1		
1	Data Handling with Python, Introduction to probability and statistics, distributions	4 hrs
2	Introduction to Data Analytics, More data handling	4 hrs
3	Hypothesis Testing with Python Programming	3 hrs
4	Linear Regression with Python Programming	3 hrs
Module 2		
5	Logistic Regression with Python	3 hrs
5	kNN and Artificial Neural Network with Python	4 hrs
6	Decision Tree and Random Forest with Python	4 hrs
7	Time Series Analysis with Python	3 hrs
8	Cluster Analysis and XGBoost	4 hrs

COURSE SCHEDULE

We will have up to 7 to 8 hour session every weekends (Saturday 3 to 4 hours and Sunday 4 hours). We will share the exact schedule closer to the date of the course.

PEDAGOGY

The methods consist of lecture sessions, hands-on-exercises, discussion on cases and live problems.

Academicians with proven knowledge, Industrial experience, and demonstrable and related areas will deliver lectures and analyze case studies.

TARGET PARTICIPANTS

Category-1 (Students): B.Tech/B.Sc/BCom/BCA/M.Tech/MSc/MCom/MBA/MCA and equivalent students

Category-2 (Others): Teachers / Scientific Officers / Instructors / Technical Assistants / Persons from Industries.

APPLICATION AND FEE

For Category 1 module 1 only– INR 7000 (including 18% GST)

For Category 1 both modules– INR 13000 (including 18% GST)*

For Category 2 Module 1 only – INR 9000 (including 18% GST)

For Category 2 both modules – INR 16000 (including 18% GST)*

**** Pay for Module 1 only during registration. Pay balance after completion of module 1 if you want to complete module 2***

Program Fee is non-refundable, non-transferable under any circumstances

For offline registration and scholarships please contact the course coordinator

The course fee includes course materials only.

The course fee can be paid in the following ways:

- Candidates should apply online: <https://erp.iitkgp.ac.in/CEP/courses.htm>
- Please find the course in the page and apply. Candidates should pay their course fees online through **online payment gateway**.
- **For difficulty in paying online fees, please contact the Dr. Swagato Chatterjee whose contact details are given below.**

Important Dates

Last date of application– 1st December, 2022

COURSE COORDINATORS AND ADDRESS FOR COMMUNICATION

Course coordinator

Dr. Swagato Chatterjee
Assistant Professor (Marketing)
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