# CERTIFIED DATA SCIENCE PROFESSIONAL

IEML:BS

**COURSE**

BROCHURE

# Introduction to the Course

Data science is a multidisciplinary area that utilizes logical techniques, procedures, algorithms, and schemes for gathering information and perceptions from both unstructured and structured data and implementing know-hows and practicable understanding throughout a wide variety of application fields. Data science has widespread application in big data, machine learning, and data mining.

Since data science works on characteristically large data sets, it is used for problem-solving purposes in a broad variety of application areas. A Certified Data Science Professional can land a decent job in a firm that deals with big volumes of data.

Industry experts on data science and related domains will conduct all the training sessions. They have been relentlessly working in this area for the last decade or so. With the help of this certification credential, successful candidates from IEMLabs can apply for Data Science Professionals and associated job vacancies.

## Focus Areas

- Curiosity
- Intuition
- Data Exploration
- Modeling

This training program has plenty of excitement in store for the students at the time of undergoing this course since IEM Labs always applies practical procedures across all the classes and projects to offer the maximum possible exposure to the learners.

IEMLabs arranges both online and offline classes for ease of learning. The online classes are smoothly conducted through platforms such as Zoom, Google Hangout, and Go to Meeting, etc. The most encouraging point for a student to become trained by IEMLabs is free of charge computer lab access for one year. All the students will enjoy this facility from the date of their admission. They can use the online virtual lab to effectively practice their training lessons and collect vital notes, study materials, useful videos, and other tools necessitated for their training programs for twelve months without any cost.

## Market Job Openings

Given below are some Certified **Data Science Professional** job openings that both IT students and employed people can apply for.

**Data Science Trainer**

Click Here to View Jobs

**Lead Training/Faculty – Data Science/ML/AI**

Click Here to View Jobs

**Online Data Science Instructor**

Click Here to View Jobs

**Senior Data Scientist – Python/SQL/SAS**

Click Here to View Jobs

# About the Course

Course Type - Basic

Eligibility Criteria: -

- ➡ No basic knowledge is required
- ➡ Minimum system configuration required: -
  - o Intel i5 Processor
  - o 8GB RAM
  - o 1TB Hard Disk

Batch Size - 5 students maximum

Course Duration - 40 hours

| | Online | Offline |
|---|---|---|
| **Course Fee: -** | **12000 INR** | **12000 INR** |
| **Training Location: -** | Any | Kolkata |

# Course Content

| | |
|---|---|
| Module 01 | Introduction to Python and Anaconda |
| Module 02 | Control Flow Tools |
| Module 03 | Data Structures of Python |
| Module 04 | Python Modules and Input / Output in Files |
| Module 05 | Introduction to Data |
| Module 06 | Introduction to Probability |
| Module 07 | Working with Scipy and Numpy modules |
| Module 08 | Introduction to Pandas Data Structure |
| Module 09 | Data Preprocessing (Missing Data, Categorical Treatment) |
| Module 10 | Machine Learning Algorithm |
| Module 11 | Supervised Learning |
| Module 12 | Unsupervised Learning |
| Module 13 | Project |

DATA SCIENCE

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