

# POST GRADUATE DIPLOMA IN DATA SCIENCE

## PGDDS (2019-20)

Ramnarain Ruia Autonomous College, Mumbai is announcing post graduate diploma in data science for the academic year 2019-20. The course will commence from 14<sup>th</sup> September 2019.

The course will be conducted at Ramnarain Ruia Autonomous College, Matunga, Mumbai-400019

### Program objectives

- To equip students with thorough understanding of **how to solve business and research problems using data science**
- To teach students **advanced statistical methods and machine learning algorithms** to carry out analysis of data
- To work efficiently using R/Python for handling complex data

Job postings for data scientists increased exponentially over the last 5 years and businesses across sectors are looking to fill positions for data analysts, data scientists, and statistical analysts.

The gap between demand and supply of Data Scientists has been increasing each day. That's where we step in with a vision to create skilled and trained Data Scientists for the World!

### About our Diploma in Data Science

- Post Graduate Diploma in Data Science in collaboration with Sankhya Analytical Research Pvt. Ltd.
- Course design based on extensive industry experience, guided by highly skilled and experienced trainers.
- Exposure to real world analytics. Business case examples from domains such as BFSI, FMCG, Retail, HR, Telecom, Pharmaceutical, etc.
- Hands-on experience on statistical softwares like R and Python.
- A unique course which blends Classroom Sessions, Self-Learning, Assignments and Project Work designed for training the student to become a DATA SCIENTIST!

**Duration of the course: 6-7 Months**

Number of hrs. 400 (Total 200 classroom hours + 150 hours of project work + 50 hours for assignments)

Classroom sessions will be conducted on every Saturday (2 pm to 6 pm) and Sunday (10 am to 2 pm).

**Number of seats: Maximum 30 students will be enrolled in the course**

**Course Syllabus**

| Module | Topics   |
|--------|--|
| 1      | Introduction/Data Management/Descriptive Statistics/Data Visualization |
| 2      | Statistical Inference (Estimation and Hypothesis Testing)              |
| 3      | Predictive Modeling I  |
| 4      | Predictive Modeling II   |
| 5      | Data Reduction/Segmentation  |
| 6      | Time Series Analysis   |
| 7      | Machine Learning   |
| 8      | Text Mining and Big Data Analytics<br>Case Studies                     |
|        | Project Work, Presentations, Assignments                               |

**Internship/Placement:**

All diploma students will be recommended for internship positions to the industry once the lectures and evaluations have been completed and will also be assisted with job placements at the end of their course.

### **Eligibility Criteria**

1. Must have studied Mathematics at 10+2 level (or during Graduation years)
2. Graduate/Post Graduate in  
**Statistics/Mathematics/Engineering/Economics/Management/Computer Science/IT**

Note: Working professionals can also apply

### **Admission Process**

1. Submission of online application form
2. Screening interviews of applicants
3. Payment of fees after admission confirmation

Total Course Fees: Rs. 100,000/- (Rs. One Lakh Only)

The admission process will start from 5<sup>th</sup> August 2019. The selection of students will be based on an interview. Selected candidates would be informed by email and would have to pay the above fee **by demand Draft in the name of Principal, Ramnarain Ruia College** at the time of admission.