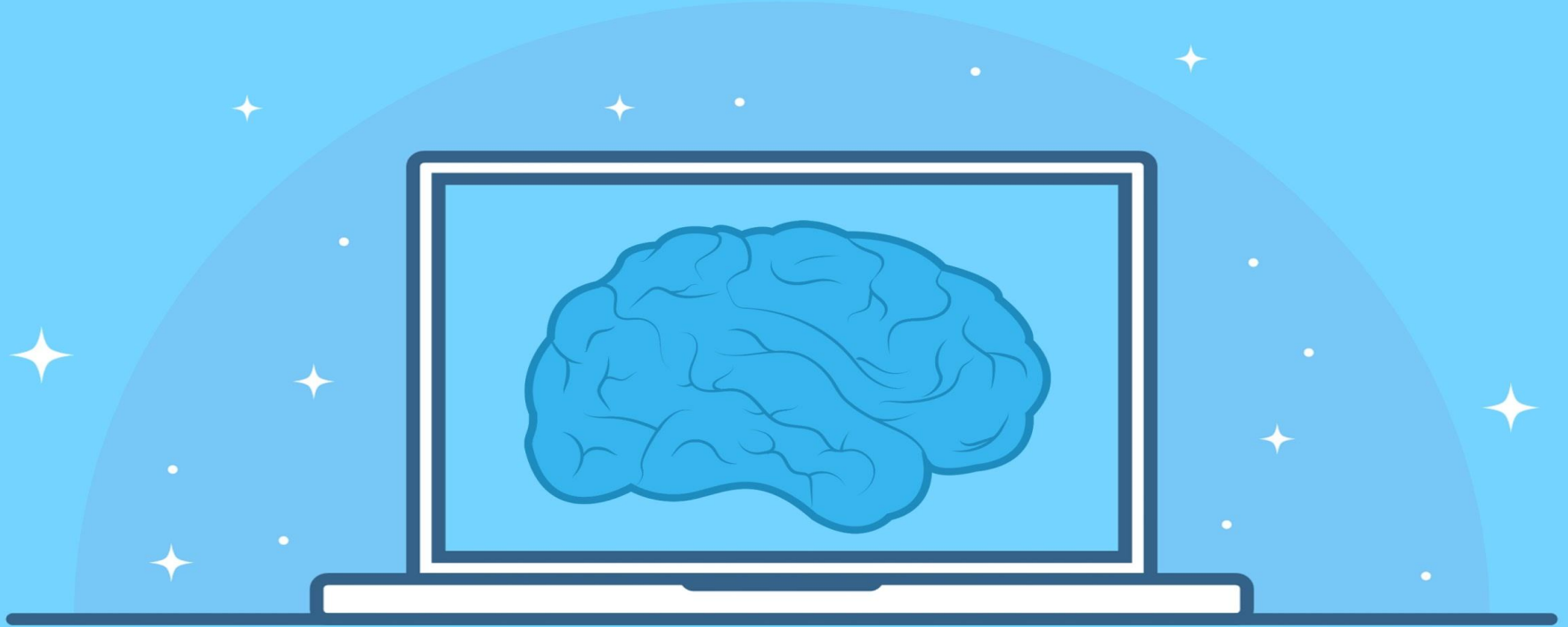


Micro-specialisation in Data Intelligence



ABOUT THE **Micro-specialisation**

The Knowledge Guarantee Micro-specialisation in Data Intelligence, is a Bootcamp designed for students pursuing UG or working professionals looking to kickstart their career in Data technology.

Designed to get you the best Internships, this power-packed Data Intelligence Bootcamp features best-in-class live training, plenty of hands-on exercises and assignments and so much more.

Build a stellar project portfolio, get ready to crack interviews at data-based companies, and **launch your career as a Data Business Analyst**.

Gain an in-depth understanding of **how to Collect, Wrangle, Analyze Data and Make Business Sense decisions**. One would build expertise across Problem Solving, Python Coding, Business Logic and Data Understanding.

With our Data Intelligence Bootcamp you will **deep dive into various topics and techniques** via independent and group projects, individualized feedback, **1:1 mentorship by Industry experts**.

Hone your skills in hackathons spread across the program, and get access to dedicated career support and interview preparation to help you land your tech job.

This beginner-friendly Data Intelligence Bootcamp is designed in **Hybrid mode with 80:20 pattern. 80% would be online and 20% face to face physical coaching.**

Compile a **job-ready project portfolio** and become a versatile Data Business Analyst with all the critical skills for a long and exciting career in tech.



ABOUT THE TRAINER

Rocky Jagtiani



Heading - Training & Content Development at **Suven Consultants & Technology Pvt Ltd.** (an Recruitment Firm hiring for more than 40 Top IT MNC's in India)

Being the most engaging resource person for **AICTE sponsored FDP programmes** for taking hands-on session w.r.t topics related to Data Analysis, Machine learning and Deep learning for real time problem solving across all branches. Have trained more than **1500 engineering college faculties** till date through AICTE sponsored FDP programmes.

Lead-SME & Content developer for Databases, Python, Java, Javascript and Data-structures at **International University of Applied Sciences , Germany in collaboration with Upgrad.**

Lead-SME & Content developer for Data Analysis, Machine Learning and Deep Learning at **Purdue University in collaboration with Simplilearn.**

Trainer has a **total 22 years of Corporate training/teaching experience** out of which recent 10 years (since 2012) has been into corporate training on various programming languages, Data Science and Machine Learning.

Trainer is empanelled with **EnY, Accenture and Morgan Stanley** to periodically train their new joiners on Python, Machine learning and Data Analytics.

Trainer is empanelled with **RTI (Regional Training Institute, Mumbai)** to train CAG (Comptroller Auditor General ,*Central Govt.*) employees on Oracle SQL , PL/SQL and BI tools like Tableau and Qlikview. For entire Western India

Trainer is **certified** in Oracle databases, Google analytics, Oracle Java Professional, Machine learning and NLP.



PROGRAM HIGHLIGHTS

200+

**Hours of
Learning
Content**

120+

**Hours of
Live
Training
Sessions**

80+

**Hours of
Problem
Solving
Sessions**

2

Hackathons

2

Mock Interviews

Course Curriculum

| Course Code | Course Name | Teaching Scheme | | | Credits Assigned | | | Total Credits |
|-------------|--|-----------------|-------|-------------|------------------|-------|-------------|---------------|
| | | Theory | Pracs | Assignments | Theory | Pracs | Assignments | |
| DIB401 | Problem solving using Python | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| DIB501 | Statistics , Excel and Tableau for BI | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| DIB601 | Business Data Wrangling techniques | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| DIB701 | Business Data Analytics | 1 | 1 | 1 | 1 | 1 | 1 | 3 |



| Course Code | Course Name | Teaching Scheme | | | Credits Assigned | | | Total Credits |
|-------------|------------------------------|-----------------|-------|-------------|------------------|-------|-------------|---------------|
| | | Theory | Pracs | Assignments | Theory | Pracs | Assignments | |
| DIB401 | Problem solving using Python | 1 | 1 | 1 | 1 | 1 | 1 | 3 |

Prerequisite: Basic knowledge of Python Programming

Course Objectives:

1. To familiarise with different data structures in Python.
2. To acquaint with the applications of Python data structures and solve real time problems.
3. To build on logical and Analytical thinking.

Key topics to be covered

1. Core Python programming concepts
2. Application of Python List
3. Application of Python Tuple
4. Application of Python Dictionary
5. Application of Python Set
6. Application of Python Strings
7. Application of Python Matrix
8. Application of Python Byte Array
9. Application of Stack
10. Application of Linked list
11. Application of Heap
12. Application of Binary Tree and BST



| Course Code | Course Name | Teaching Scheme | | | Credits Assigned | | | Total Credits |
|-------------|--|-----------------|-------|-------------|------------------|-------|-------------|---------------|
| | | Theory | Pracs | Assignments | Theory | Pracs | Assignments | |
| DIB401 | Statistics , Excel and Tableau for BI | 1 | 1 | 1 | 1 | 1 | 1 | 3 |

Prerequisite: Basic knowledge of Python Programming

Course Objectives:

1. To familiarise with different **Statistics** Terminology.
2. To acquaint with using **Excel** for Quick Stats and Analysis.
3. To acquaint with using most popular BI tool - **Tableau**.
4. To build on logical and Analytical thinking.
5. Prepare for **Hackathon**.

Key topics to be covered

1. Random Variables - Discrete & Continuous
2. Probability Density Function
3. Measures of Central Tendency (Mean, Median, Mode)
4. Measures of Dispersion (IQR, Standard Deviation and Variance)
5. Skewness and Kurtosis
6. Linear Correlation, Correlation Coefficient and its properties
7. Linear Regression
8. Excel Functions
9. Excel Pivot Tables
10. Excel Data Analysis
11. Tableau Charts
12. Tableau Dashboards



| Course Code | Course Name | Teaching Scheme | | | Credits Assigned | | | Total Credits |
|-------------|---|-----------------|-------|-------------|------------------|-------|-------------|---------------|
| | | Theory | Pracs | Assignments | Theory | Pracs | Assignments | |
| DIB401 | Business Data Wrangling techniques | 1 | 1 | 1 | 1 | 1 | 1 | 3 |

Prerequisite: Basic knowledge of Python Programming

Course Objectives:

1. To familiarise with different **Data Collecting Techniques - Databases & Web Scraping.**
2. To acquaint with using **different Python Libraries to clean data.**
3. To acquaint with different **Data Visualization** techniques.
4. Understand data better from Business perspective.

Key topics to be covered

1. Python - MySQL or Oracle Database connectivity
2. Web Scraping
3. Reading Data from Excel , Word Doc and PDFs
4. Handling Missing Values
5. Scaling and Normalisation
6. Parsing Dates
7. Character Encodings
8. Handling Inconsistent Data Entry
9. Introduction to Matplotlib and Seaborn
10. Line Charts, Bar Charts and Heatmaps
11. Scatter Plots
12. Distributions
13. Choosing Plot Types and Custom Styles
14. **Project on Data Visualisation - on real-world application**



| Course Code | Course Name | Teaching Scheme | | | Credits Assigned | | | Total Credits |
|-------------|--------------------------------|-----------------|-------|-------------|------------------|-------|-------------|---------------|
| | | Theory | Pracs | Assignments | Theory | Pracs | Assignments | |
| DIB401 | Business Data Analytics | 1 | 1 | 1 | 1 | 1 | 1 | 3 |

Prerequisite: Basic knowledge of Python Programming

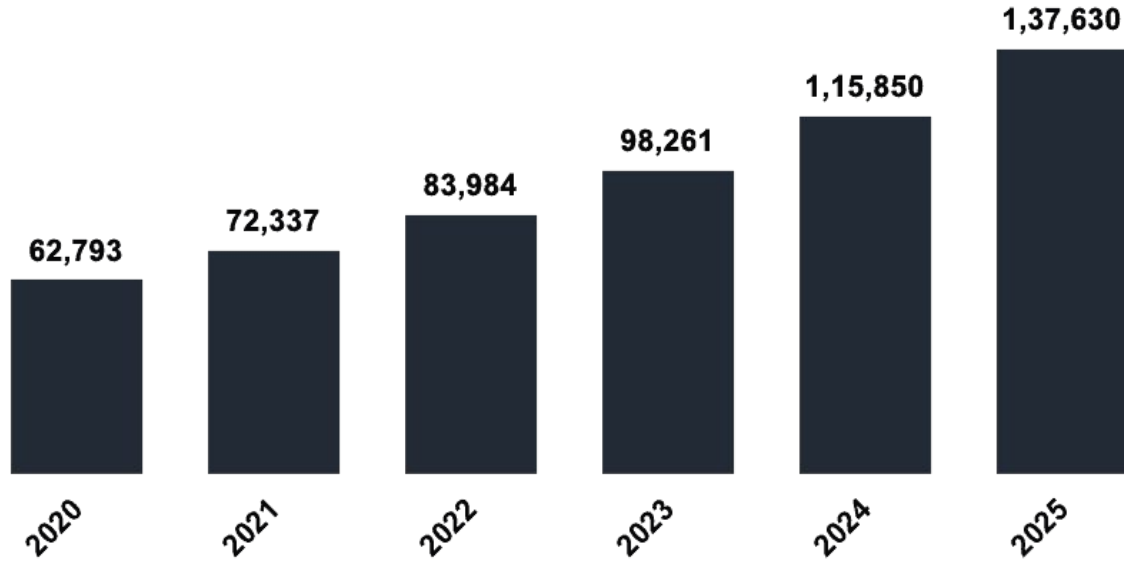
Course Objectives:

1. To familiarise with different **Python Libraries - Numpy, Pandas and Scikit-learn.**
2. To solve Data Analysis problems from **Finance and Marketing & Sales domains.**
3. Understand Machine learning Applications from Business Data Analysis perspective.
4. Understand **Time-Series data Analysis.**

Key topics to be covered

1. Python Numpy Library and applications
2. Python Pandas Library and applications
3. Solving Finance Case studies
4. Time Series Data Analysis
5. Machine Learning Concepts
6. Solving Customer Segmentation Case studies
7. Capstone Project Discussion
8. Creating Data - processing pipelines
9. Understanding Data Warehousing concepts
10. Understanding End to End Data Flow steps in a Data Science Project.
11. **Mock Interview Prep**
12. **Hackathon Prep**

Requirement of skilled freshers on - Data Intelligence



Source : www.analyticsinsight.net/2fanalytics-insight-predicts-137630-new-jobs-in-data-science-in-india-by-2025

Course Fees

Rs 9000/- per course per semester

Course Schedule

| Course Code | Course Name | Semester |
|-------------|---------------------------------------|--------------------|
| DIB401 | Problem solving using Python | 4 (Jan - March) |
| DIB501 | Statistics , Excel and Tableau for BI | 5 (July to Sept) |
| DIB601 | Business Data Wrangling techniques | 6 (Jan - March) |
| DIB701 | Business Data Analytics | 7 (July to Sept) |

Certificate Awarded

- Completion of Micro Specialisation in Data Intelligence
- Issued Jointly by SPIT, College and Suven Consultants & Technology Pvt Ltd.

Queries ??

Please whats-app your specific query on 98925 44177