

About

Aimss Academy

“Unlocking the Future of Learning with [Aimss Academy](#)“

“Discover a dynamic and innovative approach to education with [Aimss Academy](#). Our cutting-edge EdTech solution redefines the way students learn, offering a seamless blend of engaging content and interactive tools. We empower educators and inspire students, making learning not just effective but truly enjoyable. Join us in revolutionizing education for the digital age, one student at a time.”



Team Members

- Karlapudi shiva
- Saksham sanjay shivhare
- Dr.Prasadh
- Raguveer

About the Data Analysis Course



Master the Art of Data Analysis with [Aimss Data Analysis](#)"

"Embark on a transformative journey into the world of data analysis with [Aimss Data Analysis](#). Whether you're a seasoned professional looking to sharpen your analytical skills or a newcomer eager to break into the data-driven industry, our intensive bootcamp is your gateway to success.

Guided by industry experts, you'll delve deep into the realms of data manipulation, visualization, and interpretation. Our hands-on, project-based approach ensures that you gain the practical skills and knowledge needed to thrive in the data analysis field. From dissecting complex datasets to crafting actionable insights, you'll be well-equipped to make data-driven decisions.

Join our vibrant community of data enthusiasts, and let [Aimss Data Analysis](#) be your catalyst for a rewarding career in data analysis. Start your journey today and unlock a world of opportunities."

CAREER PATH WITH SALARY PACKAGES

Analyst/Insight Specialist

5 lpa to 10 lpa

Data Scientist

10 lpa to 20 lpa

Senior Data Scientist

20 lpa to 30 lpa

Lead Data Scientist

30 LPA

PROGRAM

HIGHLIGHTS

150+

Hours of Instructor-Led Sessions

20+

Industry Case Studies

2

Mock Interviews

16

Hours of Career Coaching Sessions

6

Industry projects

100%

Placement Support

PROGRAM

DETAILS



Program Duration
4 Months



Eligibility Criteria

Admission Process Anyone who wants to start or advance their career in Data Analysis



Program Fee
40,000/-



Data Analysis

Chapter: 1 **Python Programming** Projects: - 5 Topics Covered

- 1) Introduction To Python
- 2) Python Installation
- 3) Python Syntax (Rules)
- 4) Keywords And Identifier
- 5) Variables
- 6) Introduction to Data Types

- 7) Numeric Data Types
- 8) Type Conversion
- 9) Introduction to String Data Types
- 10) String Methods
- 11) Operators
- 12) Conditional Statements
- 13) Looping Statements
- 14) Functions
- 15) Advanced Functions
- 16) File Handling
- 17) Exception Handling
- 18) Modules and Libraries
- 19) Random Module
- 20) Debugging
- 21) Classes And Objects

Chapter: 2

Libraries for Machine learning

Projects: - 4

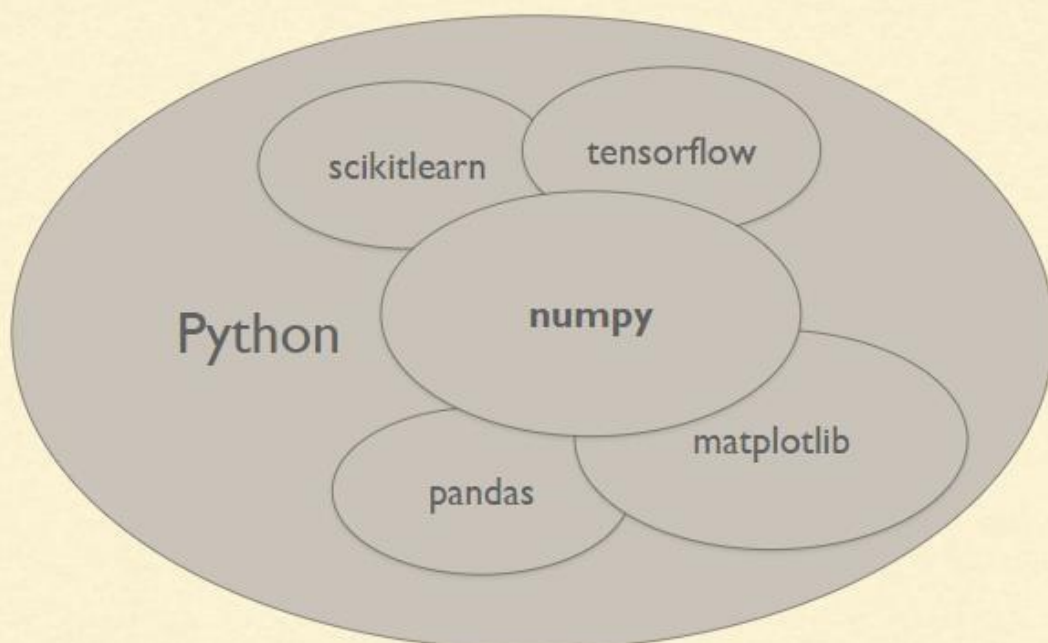
Topic Covered

- Numpy
- Introduction To NumPy
- NumPy Basics
- NumPy Advanced
- Pandas
- Introduction To Pandas

- Pandas Basics
- Pandas Advanced
- Matplotlib
- Introduction To Matplotlib
- Matplotlib Basics
- Matplotlib Advanced
- Seaborn
- Scipy
- Introduction to SciPy
- Basic SciPy

Chapter: 3 **Exploratory Data Analysis** Projects: - 2 Topics Covered

- 1) Basic probabilities and statics
- 2) Basic Linear Algebra
- 3) Basic Terminology
- 4) Exploratory Data Analysis



Chapter: 4 **Reduction Techniques**

Topics Covered

- 1) Introduction to dimension and dimensionality reduction techniques
- 2) PCA (Principal Component Analysis)
- 3) TSNE (t-distributed stochastic neighbor embedding)

Chapter: 5 **Statistics**

Topics Covered

- 1) Data Types and Data Structures
- 2) Data Gathering Techniques
- 3) Descriptive Statistics
- 4) Probability Distribution
- 5) Different types of distribution
- 6) Inferential Statistics
- 7) Hypothesis testing
- 8) Ztest, chi-square test

Chapter: 6 **MySQL Projects: - 1 Topics Covered**

- 1) Installation of MySQL
- 2) Introduction to databases and relational Databases
- 3) Introduction to SQL
- 4) Table creation and constrains in SQL.

5) Constrains in SQL – Primary Key, Foreign Key, Unique, NOT NULL, Default. 6) Operators in SQL 7) Joins In SQL.

9) Functions in SQL. 9)

Advance concepts in SQL 10)Use Case.

Chapter: 7

Tableau

Projects: - 1

1) Tableau Installation and introduction to resources

1) Data connection types

2) Data source interface

3) Data Transformation

4) Union and joins

5) Data blending

6) Live connections and extract

2) Connecting and blending data

1) Dimensions and measures

2) Sorting data and grouping data

3) Creating Sets

4) Defining Hierarchies



- 5) Data Source filter
- 6) Types of filters
- 3) Sorting, grouping and Filtering
 - 1) Calculated fields and syntax
 - 2) Aggregation types
 - 3) Common Calculation Functions
 - 4) String, Date, Logical Functions
 - 5) Level of detail Expression
- 4) Calculated fields , table calculations and parameters 5)
Dashboard Creation.
 - 1) Dashboard Formatting
 - 2) Action filters
 - 3) Story creation
 - 4) Best Practices
 - 5) Use cases

