



# ARTIFICIAL INTELLIGENCE TOOLS FOR FINANCIAL ANALYTICS

JAN 09, 2026 | 9 AM – 5 PM

VENUE: NIBAF, PAKISTAN (KARACHI)

**FEE: PKR 18,000 PLUS TAX**

## COURSE OUTLINE:

### Module 1: AI in Financial Analytics

- ◊ Definition and key concepts of Artificial Intelligence (AI).
- ◊ Role of AI in financial analytics and decision-making.
- ◊ Overview of AI tools and their applications in finance

### Module 2: Data Handling with Pandas and NumPy (Python)

#### Pandas:

- ◊ Reading, cleaning, and manipulating datasets.
- ◊ Working with DataFrames.

#### NumPy:

- ◊ Efficient numerical computations for data.
- ◊ Matrix operations and linear algebra for financial models.

### Module 3: Data Visualization with Matplotlib and Seaborn

#### Matplotlib:

- ◊ Basic plots for financial data (line charts, bar charts).
- ◊ Customizing visualizations (titles, labels, legends).

#### Seaborn:

- ◊ Advanced visualizations (heatmaps, pairplots, boxplots).
- ◊ Analyzing correlations and trends in financial data.

### Module 4: Building Machine Learning Models for Financial Predictions

- ◊ Overview of regression models and ARIMA Model for financial forecasting.
- ◊ Applying supervised learning to predict stock prices or revenues.
- ◊ Using libraries like scikit-learn for model building.

## FACILITATOR:

**MR.SAJID MAJED** is a dynamic and creative trainer who can provide insights for financial Analytics using Artificial Intelligence Tools. Skilled in python, data analytics, Artificial Intelligence. Striving to propel forward into the deep sea of Artificial Intelligence.

