

# Predictive Analytics using MS EXCEL

FEBRUARY 26, 2024

9:30 AM – 5:00 PM

IBP KARACHI



FEE: PKR 15,000 (plus tax)

## LEARNING OUTCOMES

- Learn how to solve real-life problems using the Linear Regression technique.
- Predict future outcomes basis past data by implementing the Simplest methods
- In-depth knowledge of data collection and data pre-processing problems.
- To create a Predictive and forecasting dashboard using advanced techniques.

## COURSE CONTENTS

### Module 1:

- Data Exploration
- Descriptive Data Analytics in Excel
- Identifying and Treating Outliers
- Missing Value Imputation
- Handling qualitative data
- Dummy Variable Creation in Excel
- Correlation Analysis
- Forecasting Techniques

### Module 2:

- Basic Equations and Ordinary Least Squares (OLS) method
- Assessing the accuracy of predicted coefficients
- Linear Regression and R Squared Value in Excel
- Creating a Simple Linear Regression model
- Creating Multiple Linear Regression model
- Working with Data Analysis Tools

### Module 3:

- Goal-seek and Scenario Manager in Excel
- Solver in Excel
- Running Linear Regression using Solver
- Different Solving methods of Excel Solver

## FACILITATOR

### Mr. Irfan Bakaly

He got Pakistan's first Microsoft Most Valuable Professional (MVP) award in Excel category, is also having 20+ years of experience in technology training field and served many institutions & organizations of repute. He is also a YouTuber with an active tutorial channel by the name of "Irfan Wazir Ali" which has more than 525+ videos.

LAST DATE TO REGISTER: **February 23, 2024**