<div align="center">

Data Visualisation using MS Power BI
Duration - 20 Hours
Pricing – 20,000 INR

</div>

Module 1: Data Preparation and Power BI Basics

Objective: Understand the fundamentals of data preparation and Power BI interface.
Topics Covered:

- Creating **Excel Dashboards** with multiple data sources
- Introduction to **Power Query** and **Power Pivot**
- Working with **Pivot Tables** to summarize data
- Introduction to **Data Literacy**: Recognizing well-structured data, understanding variables, field types, and aggregations
- Getting started with **Power BI**: Preparing data for analysis and understanding the basics of data analytics

Module 2: Data Loading and Transformation in Power BI

Objective: Learn how to load, clean, and transform data for analysis in Power BI.
Topics Covered:

- **Get Data** in Power BI: Importing data from various sources
- **Clean, Transform, and Load Data**: Use Power Query to transform your data into a usable format for analysis
- Exploring data aggregation and granularity to prepare your dataset for deeper insights

Module 3: Power BI Models and DAX Functions

Objective: Dive into creating and optimizing models using DAX formulas for advanced analysis.
Topics Covered:

- **Power BI Models**: Describe Power BI Desktop models and choose an appropriate model framework
- **Designing Semantic Models**: Organize your data to make it meaningful for end users
- **DAX Formulas**: Writing and applying **DAX** functions to create measures and calculated columns
- Using **Time Intelligence** functions in DAX to analyze data over time

Module 4: Power BI Report Creation and Design

Objective: Design and build interactive reports in Power BI that convey clear insights.
Topics Covered:

- Designing Power BI reports with clear requirements

- **Configuring Filters** in reports for better data exploration
- Enhancing the user experience by customizing and optimizing report designs
- Ensuring that the reports are optimized for performance, including responsive layouts

Module 5: Advanced Data Analysis and Visualizations in Power BI

Objective: Learn how to perform deep analytics and create advanced visuals.
Topics Covered:

- **Building Advanced Visuals**: Create compelling charts, graphs, and dashboards using Power BI's diverse visualization options
- Using **Advanced DAX** to create complex visualizations
- Implementing measures and calculated tables to enhance your reports
- Fine-tuning and optimizing visuals for better performance and user experience

Module 6: Optimizing Power BI Models and Reports

Objective: Learn to optimize and fine-tune both your models and reports for maximum efficiency.
Topics Covered:

- **Optimize Models**: Strategies for improving the performance of large datasets
- **Optimize Reports**: Streamlining your reports to load faster and ensure scalability
- **User Experience Design**: Improving the interactivity and visual appeal of your reports to make them more insightful for stakeholders