

CERTIFICATE COURSE IN DATA ANALYSIS WITH MIS EXECUTIVE

INTRODUCTION TO DATA ANALYSIS AND ADVANCE EXCEL WITH VBA MACRO

- Introduction to data analysis
- Basics excel
- if and nested if formulas with AND, OR functions
- Sumifs, Countifs, Maxifs, Minifs, Average ifs
- Dsum, Dmax, Dmin, Daverage, Dcount, Sumproduct
- Lookup formulas and index match formula
- Interest Calculation (PMT, IPMT, PPMT)
- Text and date functions
- Filtering and sorting (Adv filtering) and conditional formatting
- Graphs, Pivot table and Pivot chart
- What if analysis, Goal seek
- Forecasting using formula and sheet
- Data validation, Macros and printing using diff format
- Power Query in excel Introduction
- VBA (Visual Basics for Excel) – selecting data, data type, variable, loop, forms

POWER BI FOR DATA ANALYSIS

- Introduction to Power BI desktop and Installation power BI desktop
- Connecting Data sheet, Excel, CSV, Web, SQL
- Transformation basic and Power query editor
- Filtering, sorting, removing duplicate, Merging and appending queries
- Column splitting, formatting and create custom columns
- Relationship between tables, Primary keys and foreign keys
- Star vs snowflakes schema and Creating data model
- Calculate columns vs measures
- Introduction to DAX, Dax functions and Time intelligence Functions and more.
- Building dashboard using charts, maps, tables, slicers
- Conditional formatting and filters and drill throughs
- Custom visuals from Marketplace
- Sales data analysis
- Financial KPI
- HR and Employee data insights

INTRODUCTION TO DATABASE WITH MS ACCESS AND MYSQL

- Introduction to database and Access and MYSQL
- Data types and constraints, primary key and foreign key concepts
- Creating tables, changing and updating tables
- Inserting data inside tables, updating data and deleting record
- Selecting record from table using where clause using different operators
- Wild card searching using Like operator
- Aggregate function SUM, AVG, MIN, MAX, COUNT
- Group by clause with having and sub querying a table
- Table joining – Inner, Outer, Left, Right, Union
- String functions – Substr, Len, Upper, Lower, Concat

BUSINESS CONCEPTS

- Report Making and understanding MIS fundamentals
- MIS – Manage and Analyze Business Data