Certificate Course in DATA Analytics

RAJ
We make IT happen

Duration: 5 Months

The Data Analytics course is a comprehensive program designed to equip learners with the necessary skills and knowledge required to effectively analyze and interpret data. The course covers a range of topics including programming languages such as Python and R, as well as databases such as MS SQL. Students will also learn about data visualization tools such as PowerBI and Tableau, which enable them to create impactful and visually appealing reports and dashboards. Additionally, the course includes instruction on Visual Basic Editor, an essential tool for automating data tasks and streamlining workflows. Overall, this course is an excellent choice for anyone seeking to develop a solid foundation in data analytics and to gain practical experience using some of the most widely used tools in the industry.

Career Opportunities: Career opportunities with this skillset, you can work as Data Analyst, Business Intelligence Analyst, Data Scientist, Business Analyst, or Data Engineer Data Analysts, are in high demand.

Program Contents

Python
- Basic Python Syntax
- Data Types & Operators
- Decision Making & Looping
- List, Tuples, Dictionary
- Functions & Modules
- Files Input & Output
- Exceptional Handling
- Class & Object
- GUI Programming
- Database Access

MS-SQL
- Introduction to SQL Server
- Databases and types
- Using DDL / DML
- Simple Queries
- Sub-Queries
- Queries using Joins
- Using Aggregate Functions
- Constraints
- Working with Views
- Stored Procedures
- Triggers
- Import / Export

Power BI
- Introducing PowerPivot
- Working with Data
- Enhancing the Data Model
- Analysing Data
- Data Analysis Expressions (DAX)
- Publishing and Managing PowerPivot Models
- Importing Data with Power Query
- Analysing Data with Power View and Power Map

TABLEAU
- Working with Tableau
- Deep diving with Data and Connections
- Creating Charts
- Calculations in your workbook
- Data Mapping in Tableau
- Dashboards
- Visualizations

VBA
- Working with VBE (Visual Basic Editor)
- Introduction to Excel Object Model
- Sub and Function Procedures
- Understating of If, Select Case, With End with Statements
- Looping with VBA
- User Defined Function
- Some Commonly Used Macro Examples
- Error Handling
- Object / Events
- User Form Controls
- ActiveX Controls
- Communicating Database through ADO
- Exporting/Importing Data

R language
- Fundamentals of R
- Control Statements
- Arrays / Functions in R
- Data Visualization in R
- STRINGR Package
- Matrices
- Strings
- Data Frames in R
- Vectors
- R Factors