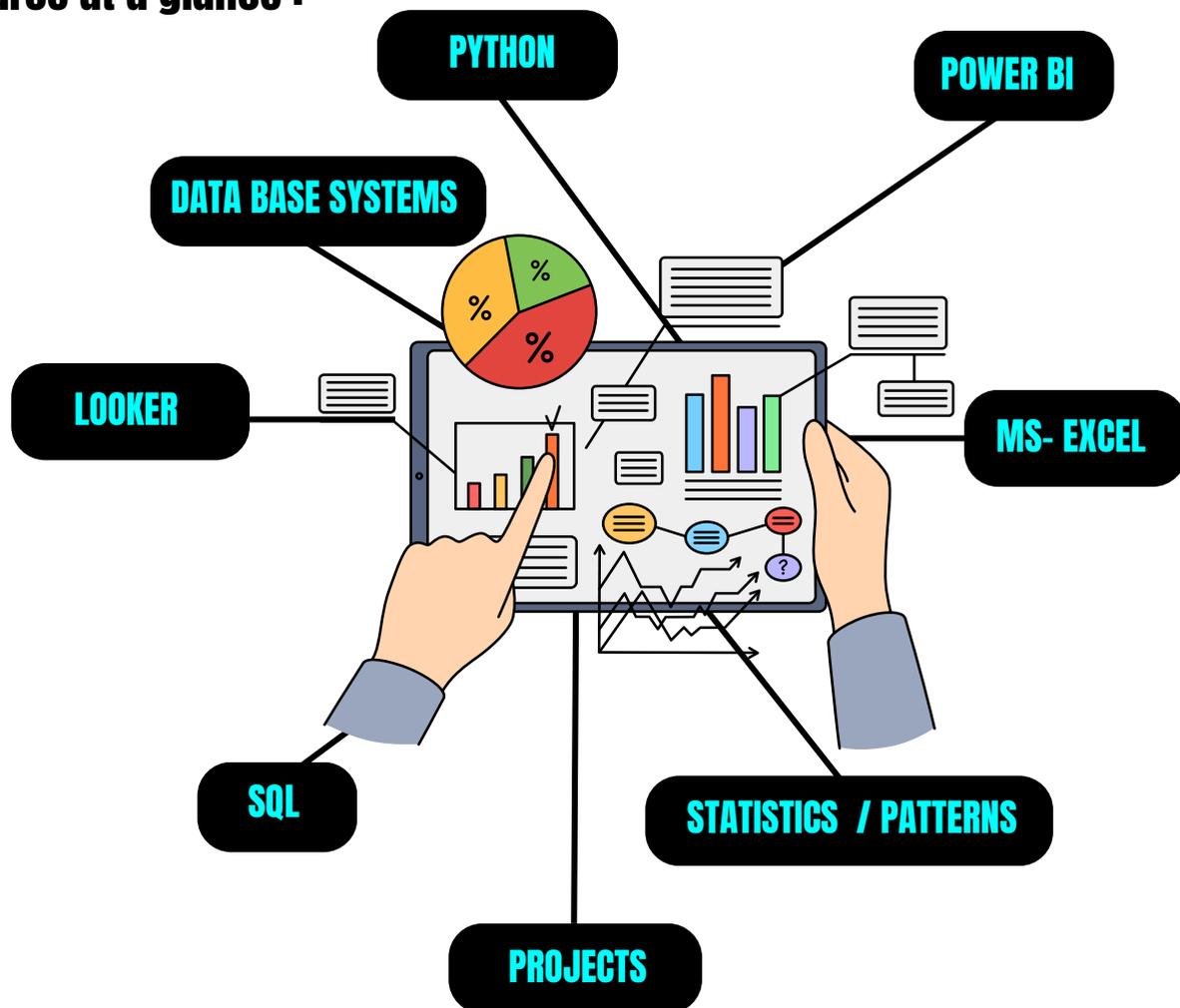## Course Objective :

- Provide hands-on training in data analysis, enabling students to transform data into meaningful insights and solve real-world problems using modern analytical methods.
- Equip students with practical data analysis skills to turn raw data into actionable insights, using industry-standard tools and techniques for making informed decisions.

Course at a glance :

PYTHON

POWER BI

DATA BASE SYSTEMS

LOOKER

MS- EXCEL

SQL

STATISTICS / PATTERNS

PROJECTS

Key Features

- Duration : 3 months.
- Class Duration : 1.5 HRS. (Mon-Sat)
- Real time use cases and projects included.

- Assured Job and Internship Opportunities.
- Training material with Exercises.
- Assignments and Quizzes.

PYTHON

- Introduction to programming.
- Data types, Operators, Conditional statements.
- Loops, Functions, Recursion, lambdas, List Comprehensions.
- Classes and Objects, Exception Handling, Modules, Packages.
- String handling, Manipulations
- Numpy, Pandas , Matplotlib and Seaborn
- Project Work with Assesments

SQL

- Database Management System
- RDBMS and Non RDBMS
- MySQL, NoSQL, PostGreySQL
- DDL
- DML
- DQL
- DCL
- Schema
- Joins, Nested Joins
- SQL query Optimisation.

MS - EXCEL

- Introduction to Excel, Advanced Functions and Formulas
- Data Analysis using pivot tables and Visualization techniques
- Advanced Chart Techniques and dashboarding
- Import data from a range of sources, including text files, databases.

POWER BI

- Connecting to data sources, Creating dashboards and reports
- Creating visualizations: Bar charts, Pie charts, Etc.
- Real-time data streaming capabilities.
- Relationships between tables and measures, and use DAX formulas.
- Advanced features: Calculations, Drill-through, and Hierarchies

LOOKER STUDIO

- Connecting to data sources, Creating dashboards and reports
- Exploring data: Views, Fields, and Filters
- Advanced features: Derived tables.
- Merged queries, and LookML.
- Dash-Boarding
- Analytics
- Dynamic Data Sync using Google Sheets

PROJECTS

- The final project will give students the opportunity to demonstrate their understanding of the tools by using one of the tools to create a project.
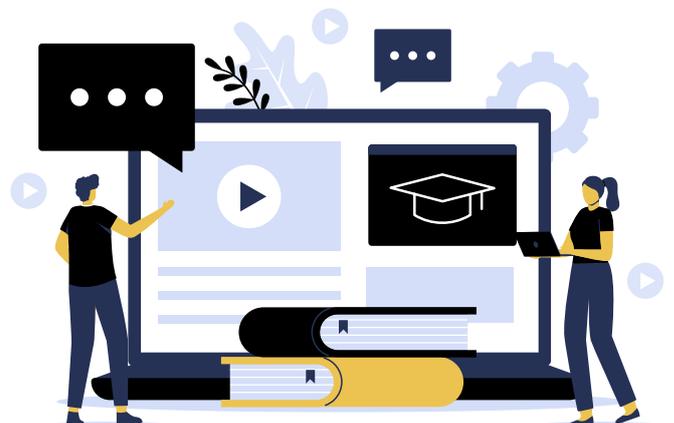

HIGH PAYING SALARIES   **MOST DEMANDING TECHNOLOGY**   **VERSATILE APPLICATIONS**

Course also Includes :

1. Doubt Clearing Sessions
2. Mentorship Sessions
3. Real Time Projects
4. Full Day Practice Labs
5. Industry Expert Guest Lectures
6. Internship & Job Opportunities