C-TAG
Coding And Training Academy By Gandhis

Data Analysis with Power BI & Tubule

Scope:

Job Role	Job Prospects	Average Salary
Data Analyst	The data analyst job market in India is growing with a high demand for skilled professionals.	The average salary for a data analyst in India is ₹375000.
Business Analyst	Business Analyst jobs are in high demand in India, especially in cities like Bangalore, Hyderabad, New Delhi, Mumbai.	The average salary for a business analyst in India ranges from ₹4,00,000 to ₹15,00,000 with an average pay of ₹7,00,000 per annum.
Data Scientist	The job outlook for data scientists in India is positive with a high demand across industries.	The average salary for a data scientist in India is above ₹1,000,000 per year.
Data Engineer	The demand for data engineers is increasing in India, especially in the IT sector.	The average salary for a data engineer in India is ₹7.3 lakhs per year.

Roles and responsibilities

- Interpret data.
- Statistical analysis
- Data collection
- Problem solving
- Clean data
- Communication
- Create and maintain insightful dashboards.
- Data and information visualization
- Developing and managing databases
- Exploratory data analysis
- Identifying data sources
- Modeling
- Ability to analyze large datasets.
- Ability to write comprehensive reports.
- Assist with process improvement.
- Creating dashboards and reports
- Database management
- Developing solutions to business problems
- Documentation and requirements management

- Identifying and defining business needs
- Maintain data systems.
- Programming

Prerequisites:

- Basics of Excel not must but good to have

Basic Course

- Basics of Android
  - ✓ Introduction to ERP Systems
  - ✓ Master Data Tables & Transaction Tables
  - ✓ Tables and their Relationships
  - ✓ Fundamentals of Data Analytics
  - ✓ Basics of BI
  - ✓ Getting Data to Power BI
  - ✓ Data Modeling and Cleansing
  - ✓ Data Visualization
  - ✓ DaX Formulas
  - ✓ Power BI Services
  - ✓ Sharing and Administration of Reports

Project Work
Load and cleanse data into Power BI.
Design Dashboards.
Give Demo and Presentation to the Management team.

Advanced Course

- ✓ Introduction to ERP Systems
- ✓ Procure – To – Pay Cycle
- ✓ Order – To – Cash Cycle
- ✓ Finance
- ✓ Production Planning
- ✓ Human Capital Management
- ✓ Master Data Tables & Transaction Tables
- ✓ Tables and their Relationships
- ✓ Fundamentals of Data Analytics
- ✓ Data Modeling
- ✓ Techniques for extracting data from ERP
- ✓ Data cleaning and transformation methods to prepare data for analysis
- ✓ Basics of BI
- ✓ Getting Data to Power BI
- ✓ Data Modeling and Cleansing
- ✓ Data Visualization
- ✓ DaX Formulas
- ✓ Power BI Services
- ✓ Sharing and Administration of Reports

Bonus – Discussion – 10 Hrs.
Discussion on emerging trends in ERP data analytics such as AI-driven ERP
a. Automation
b. IoT
c. Process Mining

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	Project Work
1.	Design a Process flow considering all the scenarios of a given business process.
2.	Design Master Tables and Transaction Tables related to the same.
3.	Load and cleanse data into Power BI.
4.	Design Dashboards.
5.	Give Demo and Presentation to the Management team.