

# **Power BI Store Project**

## **1- Presentation :**

- What is the meaning of “Data” & “Analysis“ ?
- What is Trend Analysis ?
- Data roadmap and it's roles :
  - Data Engineer.
  - Web Developer.
  - Data Analyst.
- Artificial Intelligence (AI) fields :
  - Data Scientist.
  - Deep Learning.
- How to be a professional Data Analyst ?
  - Asking Questions.
  - Collecting & Exploring Data.
  - Cleaning & Preparing.
  - Analysis.
  - Creating Dynamic Data Service Model (Dynamic Dashboard).
    - Story Telling.
    - UE (User Experience).
      - a) Drill down.
      - b) Shadow for buttons.
      - c) Tooltips.
- Data Analytics VS Data Analysis
- Data Analyst Responsibilities :
  - Creating Metrics & Reporting.
  - Business Insights.
  - Data Visualization after Collecting, Exploring, Cleaning and Validating the data.
  - Storytelling.
- Data Analyst Tools :
  - Programming tools (SQL - Python).
  - Analysis Tools (Excel).
  - Visual Tools (Power BI - Tableau).

## **2- Project steps :**

- Extracting the data then explore and navigate it.
- Cleaning & Preparing process :
  - Check for data types.
  - Check for errors .
  - Check for duplicates .
  - Validation the data .
- Query Optimization.
- Building relationships between the tables.
- Building Calendar by DAX.
- Creating table contains all measures.
- Building Dynamic dashboard (Charts - Cards - Icons - Textboxes - Slicers – Buttons – Bookmarks - Selection )