



# Depi Power BI Final Project (Healthcare Dataset Analysis)



# Team Members:

1-Yousef Shaban Salem

2-Menna Tallah Whdan Mohamed

3-Mohamed sherif Abdallah Abdelhamed

4-Joumana Mourad

# Project Overview:

The Healthcare Data Analysis project utilizes Power BI to analyze and derive insights from healthcare data. The project aims to uncover data trends, patterns, and correlations to improve healthcare organizations' decision-making and operational efficiency. By leveraging Power BI's visualization capabilities, we create interactive dashboards that provide valuable insights into patient demographics, treatment effectiveness, hospital utilization, and other key healthcare metrics.



# WEEK 1



## 1: Data Cleaning and Preprocessing

- Tasks:
  - Clean and preprocess the data using Power BI.
- Tools:
  - Power BI.
- Deliverables:
  - Cleaned dataset ready for analysis.
  - Data preprocessing notebook.
- Team Member: Mohamed sherif Abdallah Abdelhamed
- Status: Completed

# WEEK 2

## 2: Analysis Questions Phase

- Tasks:
  - Determine all possible analysis questions that can be deducted from the given dataset, relevant to decision-makers (e.g., how patient demographics impact visit frequency, healthcare cost distribution by department, etc.).
- Tools:
  - Power BI.
- Deliverables:
  - A set of analysis questions that can be answered using the dataset.
- Team Member: Joumana Mourad
- Status: Completed



# WEEK 3

## 3: Dashboard Phase

- Tasks:
  - Build a Power BI dashboard that visualizes answers to the asked questions (e.g., trends in visits, cost analysis, patient demographics, department performance).
- Tools:
  - Power BI.
- Deliverables:
  - Power BI dashboard visualizing key healthcare metrics.
- Team Member: 1- Yousef Shaban Salem  
2- Menna Tallah Whdan Mohamed
- Status: Completed



# WEEK 4

## 4: Final Presentation

- Tasks:
  - Prepare a report and presentation summarizing the project work, including data analysis, insights, and dashboard visualizations.
- Deliverables:
  - Final report and presentation.
- Team Member: Joumana Mourad
- Status: Completed





MEDICAL CLINIC

# Thank You Very Much

