Overview :

1. This project focuses on analyzing healthcare patient admission data to understand admission trends, department-wise patient distribution, waiting time, and patient satisfaction.
2. An interactive Power BI dashboard was developed to provide clear insights into patient flow and hospital performance.
3. The dashboard helps hospital administrators and healthcare professionals monitor patient admissions and make data-driven decisions.

Objectives :

To analyze overall patient admissions
To evaluate department-wise patient count
To study patient waiting time and admission patterns
To analyze patient satisfaction trends
To identify key areas for operational improvement

Tools & Technologies :

Microsoft Power BI – Data visualization and dashboard creation
Microsoft Excel / CSV – Data cleaning and preparation
DAX (Data Analysis Expressions) – KPIs and calculated measures

Key Insights :

Certain departments receive higher patient admissions
Patient waiting time varies across departments
Monthly trends show fluctuations in patient inflow
Patient satisfaction changes with admission volume and wait time

KPIs Used :

Total Patients
Total Admissions
Department-wise Patient Count
Average Waiting Time
Average Patient Satisfaction Score

Healthcare Impact :

This dashboard improves visibility into patient admissions and hospital performance.
It helps healthcare teams identify high-demand departments, reduce waiting time, and improve patient satisfaction through data-driven insights.

Future Enhancements :

Add bed occupancy and discharge analysis
Include doctor-wise and shift-wise analysis
Implement predictive analytics using Power BI AI features

Author :

Lakshmi D
Arakkonam,TamilNadu

lakshmidomas@gmail.com