POWER BI PROJECT- HEART DISEASE ANALYSIS DASHBOARDS

■OVERVIEW :

This project focuses on analyzing heart disease data using various health parameters such as age, gender, blood pressure, cholesterol, and exercise-related factors.
An interactive Power BI dashboard was developed to provide clear insights into heart disease presence, risk factors, and overall patient health conditions.
The dashboard helps healthcare professionals and analysts to understand patterns and make data-driven medical decisions.

■ OBJECTIVES :

To analyze overall heart disease occurrence among patients.
To study the impact of age, gender, and health parameters on heart disease.
To compare heart disease presence and absence across different categories.
To identify high-risk patient groups for better preventive care.

■ TOOLS TECHNOLOGIES :

Microsoft Power BI – Data visualization and dashboard creation.
Microsoft Excel / CSV Dataset – Data cleaning and preparation.
DAX (Data Analysis Expressions) – KPI calculations and measures.

■ KEY INSIGHTS :

Heart disease is more common among middle-aged and older patients.
Patients with high cholesterol and high blood pressure show increased risk.
Male patients have a higher number of heart disease cases compared to females.
Exercise-induced angina is strongly associated with heart disease presence.

■ KPI USED :

Total Patients
Heart Disease Cases
Average Age
Average Blood Pressure
Average Cholesterol

■ HEALTH CARE IMPACT :

This dashboard improves visibility into heart disease risk factors and supports healthcare professionals in identifying vulnerable patients.
It helps in early detection, preventive planning, and informed medical decision-making.

■ FUTURE ENHANCEMENTS :

Add predictive analysis for heart disease risk.Include real-time hospital data integration.Expand analysis using additional clinical parameters.Implement Power BI AI visuals for advanced insights.

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