

Project Report

Healthcare Analytics Dashboard

Power BI | Excel | 2025 — Project by Prabuddha Band

📌 Objective

Analyze hospital operations to surface KPIs (patient flow, ER wait time, treatment cost, staff efficiency) and recommend actionable improvements.

⚙️ Tools

Power BI (DAX, Data Modeling), Excel (Power Query), PNG visuals

Approach

- Cleaned and modeled data (Power Query / Excel)
- Built DAX measures and automated weekly KPIs
- Visualized Actual vs. KPI trends and operational bottlenecks

🔍 Key Insights

Metric	Insight
Patients Analyzed	2,500+ patients; 260 staff; 1,751 occupied beds
Revenue	₹0.40M total; 41–60 yrs contributed ₹0.11M
ER Wait Times	OPD average wait: 95 mins
Staff Efficiency	Patient-staff ratio: 9.5 : 1

Recommendation

- Reallocate staff to OPD during peak hours (pilot + weekly monitoring)
- Implement dashboard alerts for ER wait > 90 mins

Dashboard Screenshots –

