

# **BUSINESS REQUIREMENTS DOCUMENT (BRD)**

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**Project:** Hospital Operations & Patient Insights Dashboard

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**Year:** 2025

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### **1. Business Objective**

Hospitals face operational inefficiencies around discharge delays, high billing variation, room utilisation imbalance, and poor documentation.

The objective is to create a data-driven analytical solution that improves visibility into hospital processes and aids decision-making.

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### **2. Problem Statement**

Current hospital workflows lack visibility into:

- Patient Length of Stay (LOS)
- Admission type load (Urgent / Non-Urgent)
- Cost variations
- Overused/underused rooms
- Missing doctor names and test results

This leads to delays, increased costs, and poor performance tracking.

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### **3. Scope**

#### **In-Scope**

- LOS analysis
- Admission trends
- Billing patterns
- Room utilisation
- KPI dashboards
- BA documentation (BRD, SRS, CRF, UAT, User Stories)

#### **Out-of-Scope**

- Real-time integrations
  - Patient scheduling
  - Alerts system
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## **4. Stakeholders**

- Hospital Administrator
  - Doctors / Clinical Staff
  - Clinical Operations
  - Product Team (RioMed)
  - Business Analyst
  - QA Testers
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## **5. High-Level Requirements**

- R1: Display LOS for all patient admissions
  - R2: Show billing average, median, and trends
  - R3: Compare urgent vs non-urgent cases
  - R4: Visualise room utilisation
  - R5: Provide filter options
  - R6: Enable export of summaries
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## **6. KPIs**

- Average Billing Amount
  - Average LOS
  - Urgent vs Non-Urgent %
  - Room Utilisation %
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## **7. Risks**

- Missing or incorrect clinical documentation
  - Invalid date formats
  - Outlier billing values
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## **8. Success Criteria**

- Clear visual insights
  - Improved operational decision-making
  - Reduced LOS delays
  - Enhanced documentation quality
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