

WD – 07

Real-Time Hospital Appointment & Bed Availability Monitoring System

– Code Breakers

Under National Health Mission (NHM), hospitals struggle with:

No unified multi-hospital visibility



Overcrowding and long wait times

Bed & ICU availability confusion



Manual appointment handling

No analytics for decision-making

Our Solution

Centralized Monitoring

Users can:

- View data of multiple hospitals
- Compare availability instantly
- Access hospital-level statistics

Smart Dashboard

Displays:

- Total Doctors
- Available Beds
- ICU/Emergency Beds
- Appointments Today
- Recent Appointments
- Occupancy Status

Patient Features

Book Appointment

- Doctor-wise slot selection
- Real-time slot reduction logic
- View recent appointments

Track Bed Availability

- Grid-based visual layout
- ICU / General Ward status
- Live occupancy tracking

Medicine Purchase

- Buy prescribed medicines
- Integrated hospital pharmacy simulation

Medical Report Analyzer

- Upload medical report
- Get summarized insights (AI-powered simulation)
- Helps patients understand reports easily

Admin Control Panel

Bed Tracking View

Admin can:

- View beds grouped hospital-wise
- See ward-level availability
- Monitor ICU / Emergency / General beds
- Real-time occupancy tracking

Recent Appointments Section

Admin can see:

- Latest patient bookings
- Doctor assigned
- Appointment time

System Logs & Master Appointments

Admin can view:

- All appointments across hospitals
- Patient Name
- Phone Number
- Department
- Doctor
- Time Slot
- Appointment Status

Impact

Reduces unnecessary
hospital visits



Prevents
overbooking

Transparent ICU &
emergency tracking



Smart hospital
comparison

Better healthcare access
in Tier-2 & Tier-3 cities



Thank You

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