

LIFE LINE – 360: HOSPITAL MANAGEMENT SYSTEM

Shanthi D, Preethi Shree B, Megavarthini N M, Nandhini C L, Roobasri P
PSNA College of Engineering and Technology, Dindigul, India
Email: dshan71@psnacet.edu.in

PSNA College of Engineering and Technology, Dindigul, India
Email: {preethishreeb2004@gmail.com, cln19724@gmail.com, megavarthininm@gmail.com, roobasri1804@gmail.com}

Abstract— This paper focuses on digitizing rural hospitals through an AI-powered healthcare management system, enhancing accessibility and efficiency. The system integrates Aadhaar-based patient identification, enabling seamless medical history retrieval and reducing manual data entry. AI-driven doctor assistance supports medical professionals by analyzing symptoms and suggesting possible diagnoses and treatments, improving decision-making in resource-limited settings. A smart blood donation alert system automates donor identification and notification, ensuring a quick response during emergencies. Additionally, the smart ambulance system optimizes emergency handling by prioritizing critical cases and notifying hospitals in advance for better preparedness. The AI-powered surgery scheduling system streamlines operation planning by sending timely reminders to doctors and patients, reducing last-minute cancellations and enhancing hospital efficiency. This solution optimizes hospital workflows, reduces delays, and improves overall patient care by leveraging automation and real-time data processing.

Index Terms— AI Healthcare, Rural Hospitals, Patient Records, Automation, Patient-Centric, Surgery Alerts, Symptom Analysis, Smart Healthcare, Intelligent System, AI Automation