

Software Requirements Specification (SRS)

Project Title: MediMap – Intelligent Healthcare Navigation System

Version: 1.0

Date: 26/10/2025

Prepared By: GOLLA PAVANI

1. Introduction

1.1 Purpose

The purpose of MediMap is to provide users with a smart healthcare search platform where they can enter a disease or health condition and instantly receive recommendations for nearby hospitals or clinics that provide the required treatment.

1.2 Scope

MediMap assists patients, doctors, and healthcare organizations by offering disease-based recommendations, emergency availability info, real-time navigation, and wearable data-based health monitoring.

1.3 Definitions

AI - Artificial Intelligence GPS - Global Positioning System API - Application Programming Interface
ICU - Intensive Care Unit

2. Overall System Description

Product Perspective

MediMap is a web/mobile app connected to hospital databases, wearable health devices, and GPS navigation services.

Product Features

- Disease-based hospital search • Real-time bed/ICU availability • Teleconsultation • Cost transparency • Live navigation

User Classes

Patients, Doctors, Hospital Admins, Government/NGO Users

3. System Requirements

Functional Requirements

- Users can search diseases. • System shows hospitals nearby. • Displays doctor specialization. • Shows emergency availability. • Provides navigation routes. • Allows teleconsultation.

Non-Functional Requirements

Performance: Response time < 3s Security: Encrypt patient data Usability: Clean and simple interface Scalability: Supports many users

4. System Architecture

User → App → MediMap AI → Hospital DB → Wearable Data → Analytics

5. Conclusion

MediMap provides intelligent and efficient healthcare decision-making support by connecting patients with the right medical services quickly and accurately.