
A
CARE

A constant surfer to save people's lives

OUR TEAM

K A W Lakmal
21IT0492

L.R. Kavisara
21IT0484

G.R.T.D. Kirinda
21IT0487

G.A.S.V.T. Gamaarachchi
21IT0471

K.S.G.U. Sankalpa
21IT0526

PROBLEM DEFINITION

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Inefficient patient transfer processes and lack of real-time information in ambulance management lead to delays and suboptimal outcomes.

BACKGROUND AND MOTIVATION

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Care for patients in a timely manner depends on effective ambulance management. Overcoming obstacles like delays and resource allocation problems is accomplished by creating a complete system with user-friendly interfaces and reliable communication routes. This approach seeks to improve emergency response times, streamline operations, and provide better healthcare through innovation and technology.

PROJECT AIM

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To develop a comprehensive ambulance management system that improves patient transfer efficiency, enhances emergency response times, and optimizes resource allocation in healthcare settings.

OBJECTIVES

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Designing an intuitive and user-friendly interface to enhance user experience.

Facilitating effective communication between hospitals for seamless coordination.

Ensuring the system's quality meets high standards.

Establishing a robust networking system among ambulances to facilitate prompt responses during emergencies.

Preparing the hospital environment based on the patient's medical history prior to their arrival for optimal care.


SOLUTION

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Emergency Alerts and Notifications

Real-time Ambulance Tracking System

Minimizing communication time between hospital and drivers

Notification of delays during patient transport

Check bed availability and make an appointment

FEATURES

FEATURES & FUNCTIONALITY

Database Integration: The system maintains a separate database for patients deemed at risk of escaping, where relevant information is stored.

Notification System: Automated Alert System for Emergencies.

Make an appointment: Appointment Scheduling for Patient Transfers.

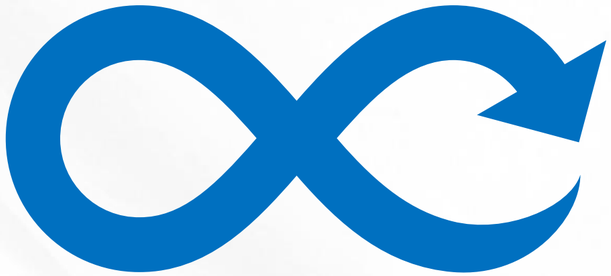
GPS Tracking System: Being able to monitor the route taken by the ambulance.

USERS

01 *Ambulance Drivers*

02 *Ambulance Medical team*

03 *Hospital staff*



LIMITATIONS

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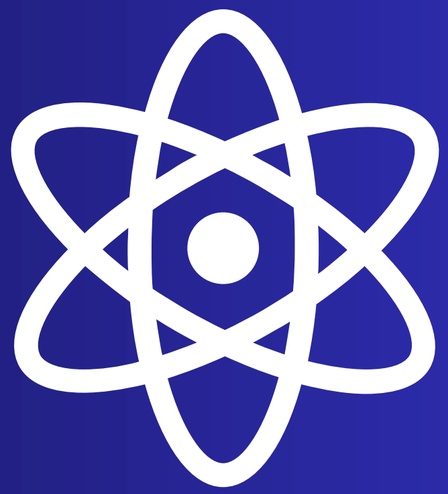
01

Compliance with healthcare regulations (e.g., HIPAA).

02

Initial deployment and testing within specified healthcare facilities Demo.



TECHNOLOGY STACK

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WEB DEVELOPMENT

- *HTML, CSS, JavaScript, React.js (Frontend)*
- *Node.js, Express.js (Backend)*
- *MongoDB (Database)*

MOBILE DEVELOPMENT

- *Flutter*

OTHER TECHNOLOGIES

- *Google Maps API for real-time location tracking*
- *Socket.io for real-time messaging*
- *SMS or push notification services API for emergency alerts*

THANK YOU