MBULANCE – AN UBER FOR AMBULANCE

Project Abstract

Version 1.0

	Prepared By / Last Updated By	Reviewed by	Approved By
Name	Saptak Das		
Role	POD Leader		
Signature	Saptak Das		
Date	31-01-2022		

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1.0   Purpose of this document

This document provides an overview about the business need and the solution that can be provided to fulfil the objective.

2.0   Business Case

mBulance is a web application that helps in booking an ambulance for patients in distress. It offers a SOS button that helps in triggering ambulance booking algorithms. The algorithm is capable enough in tracking down ambulances nearby and assign the patient the best match of lowest ETA. This solution acts as an alternative to the traditional method of trial-and-error of phone calls to get an ambulance during medical emergencies. Traffic being one of the major issues in our country, traffic administrators struggle every day in channelizing traffic at crossing. mBulance web app will also provide a user interface to them with the approaching ambulances along with their source, destination and ETA details which in turn helps them in overriding signal sequences accordingly to establish a green corridor. With such a software solution at disposal, hospitals can get notified in advance with tracking details that helps cut down the preparation time by the time patient arrives.

3.0 Appendices

3.1   Glossary

Acronyms	Definitions
SOS	Save Our Souls
ETA	Estimated Time of Arrival

3.2   Other

Modules:

- User web application
- Patient history
- Ambulance tracking application
- Traffic administrator
- Hospital notification

Technology specifications:

- Web application: Spring
- Front-end: ReactJS, HTML, CSS, Bootstrap
- Database: MySQL
- Backend: Spring MVC
- Infrastructure: AWS

4.0 Terms & Conditions

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5.0 Change Log

Please note that this table needs to be maintained even if a Configuration Management tool is used.

Version Number	Changes made			
1.0.	Page no	Changed by	Effective date	Changes effected
	4	Zaved Alam	31-01-2022	Purpose of this document
	4	Shivji Dubey	31-01-2022	Business case
	4	Mohit Yadav	31-01-2022	Glossary
	4	Shashank Shukla	31-01-2022	Other