

**PROJECT BASED LEARNING
A PROJECT REPORT
ON**

AMBSAFE

A Report submitted

By

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COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

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Project Based Learning

1. Student Details

Name of the Student	Roll Number	Branch	Mobile Number
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2. Title of the Project

AMBSAFE

3. Define the problem and its relevance to today's market / society / industry need

(Max: 100 Words)

- Saving People's lives is the most important to today's world. The best way to save lives is to have an ambulance system which is reachable to the user/client.
- Ambulance is a service provided by the government and private emergency medical. It is helpful in taking critical patients to the hospital immediately. If the ambulance can reach the patient on time it saves lives.
- Ambulance services are the primary providers of a 24/7 response to medical emergencies, still the ambulances get stuck in the traffic, which is riskier for the patient inside.

4. Describe the Solution / Proposed / Developed (Max: 100 Words)

In order to solve the above problems, we have come up with an idea to implement real-time projects using computer science as the based on the application development.

- To address the problem, we are going to implement an **ambulance tracker technology** using android application development and web application development.
- The nearest ambulance from the incident location is sent to the spot along with medical assistance to monitor patient's health.
- Website lets the authorized people monitor and track ambulances and clear the way for it.
- It also gives the information to the Traffic police authority about the Ambulance Tracker which is carrying the Patient and changes the signal to green till the ambulance reaches the hospital.

Solution Offerings

- Find the nearest ambulance to a patient's location.
- Locate the nearest hospital from the ambulance
- Cut response times in the "Golden Hours".

5. Explain the uniqueness and distinctive features of the (product / process / service) solution (Max: 100 Words)

If the solutions are implemented well, then it will be a benefit to the society.

○ UNIQUE FEATURES

- Registration
- Sign in
- Location sharing

○ USER INTERFACE

- Request
- Retrieve
- Trace the availability

○ Collaboration with Hospital

6.How your proposed / developed (product / process / service) solution is different from similar kind of product by the competitors if any (Max: 100 Words)

- The proposed solution is different from similar kinds of products in the market which have features like the Location of the ambulance but we are going to differ from the present products with the following features: -
- Can also SEND ALERT to the traffic authority about the scenario.
- GPRS Tracker with Traffic police authority can control the traffic light into green till the ambulance reach the desired hospital.
- Suggest the shortest distance to the ambulance with can help the ambulance to reach within the golden hours.
- Login access to the Driver and track the patient details number of patients, no of trips, etc.

7. Scalability: Highlight the market potential aspects of the Solution/Innovation (Potential Market Size, segmentation and Target users/customers etc.) (Max: 100 Words)

We can increase the market potential by creating a new application with the above-mentioned features and selling it to the required customers especially government. Some of the major application areas for the global market include fields such as

- Healthcare
- Transportation
- Services

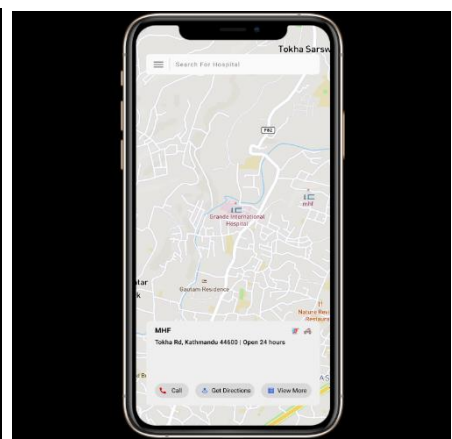
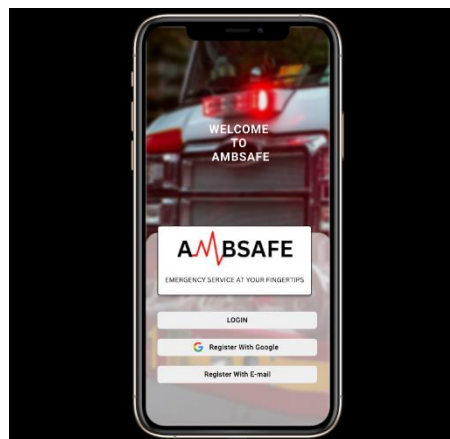
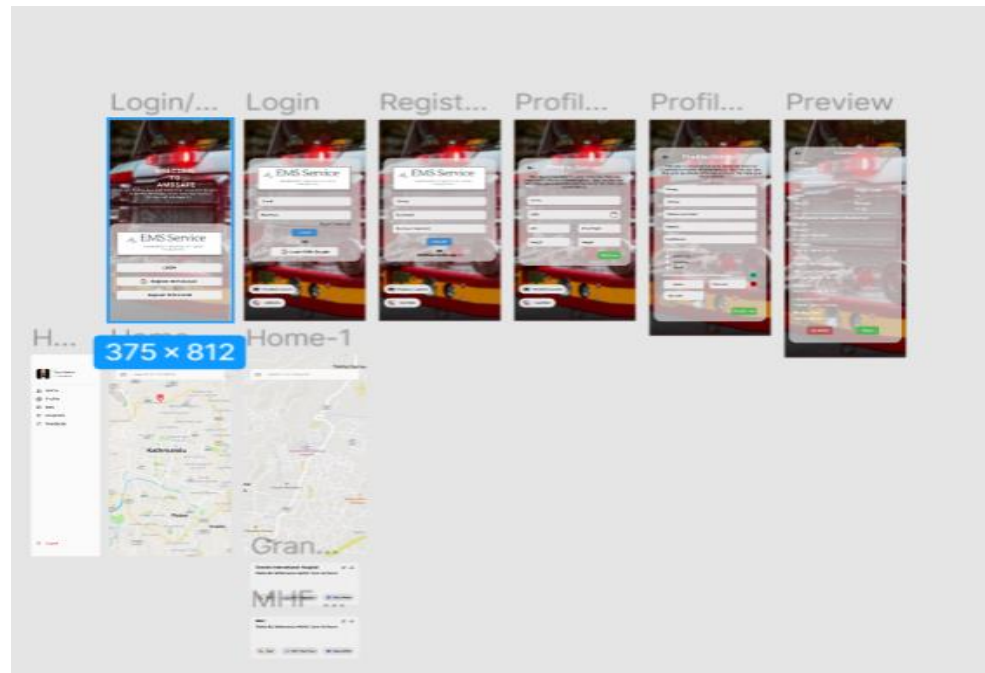
Target user / Customers are all the Emergency patients and government and private medical emergency services /NGOs.

8. Details of Project

Components	List out all the components / software's/ tools used
	<ul style="list-style-type: none">• Coding skills• Web development• Android development

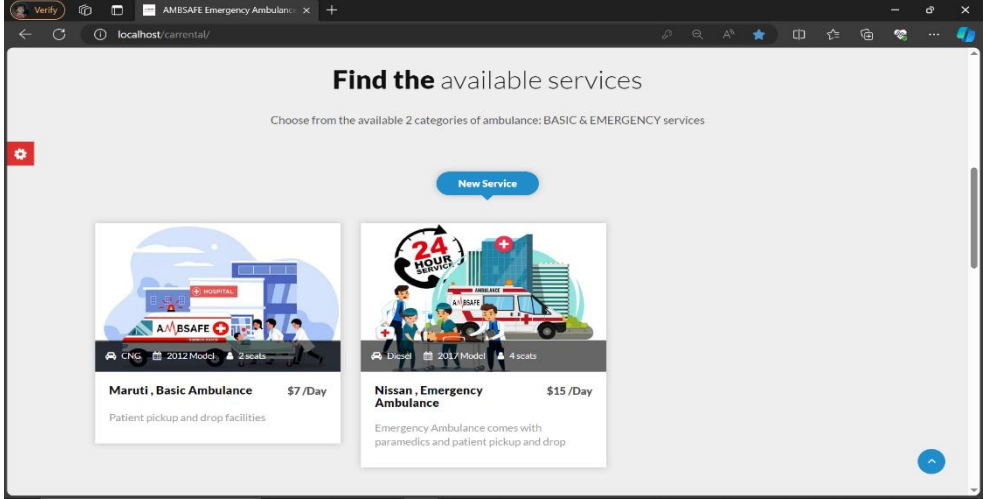
Images of project

FIGMA MODEL IMAGES FOR ANDRIOD APP



WEBSITE IMAGES



	
Video Link	

9. Learning's from project: (Max 100 Words)

- We've learned how to create and design an application using UI/UX from an online application for this idea.
- We've learned the basics of both front-end and back-end web development
- We learnt to implement our own thoughts and ideology in our real life and work on them

Signature of Faculty In-Charge