

# Ambulance Services App Development

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**Abstract-** *This Android application provides a user-friendly interface for users to view near by ambulance services. By leveraging location-based services, the application can identify the nearest available ambulance services, providing users with real-time information and estimated arrival times. Users can book an ambulance and view their booking details in real-time, including the estimated time of arrival and the ambulance's location. The application's intuitive design and easy-to-use features make it a valuable tool for those in need of urgent medical attention.*

## I. INTRODUCTION

This Android app presents an innovation solution to transform the way individual seek medical help in emergencies. Its primary goal is to offer a convenient and effective method for users to locate nearby ambulance services. Using advanced location-based services, the application swiftly identifies the nearest available ambulance services, supplying real-time information such as the ambulance's current location. This ensures that users have crucial details about the ambulance's whereabouts and the expected arrival time, potentially making a life-saving difference in emergency situations. The app boasts an intuitive and user-friendly interface, facilitating easy navigating for users. It allows swift and efficient ambulance booking, with users able to monitor booking details in real-time, including current location of ambulance.

## II. EXISTING METHODS

In Existing the Ambulance service apps where mostly filled with Ads and the user details weren't safe and secure in the application.

## Disadvantages

- Excessive ads compromise user experience in current ambulance service apps.
- Inadequate security raises concerns about user data safety.
- Enhanced privacy protocols are critical for instilling user confidence

## III. METHODOLOGY

- The software methodology followed in this project includes the object-oriented methodology and the application system development methodologies. The description of these methodologies.
- Although there are a growing number of applications such as decision support systems that should be developed using an experimental process strategy such as prototyping, a significant amount of new development work.
- To involve major operational applications of broad scope. The application systems are very large highly structured. The user task comprehension and developer task is usually high.
- The basic idea of the system development life cycle is that there is a well-defined process by which an application is covered and developed and implemented. The life cycle gives structure to a creative process.
- The phases in the life cycle for information system development are described differently by different writers. There is a general agreement on the flow of development steps and the necessity for control procedures at each stage.
- The first stage of the process, which defines the information requirements for a feasible cost-effective system. The requirements are then translated into a physical system of forms, procedures, programs etc., by the system design,

computer programming development.

#### IV. CONCLUSION AND FUTURE WORK

- Ambulance service system can have multiple functions and also provides more benefits to users. With increased features like tracking of ambulance lively. This helps the user and ambulance driver to make comfort.
- In conclusion, the proposed Android application for viewing nearby ambulance services is a highly valuable tool for anyone in need of urgent medical attention. The application leverages location-based services to quickly identify the nearest available ambulance services.
- The proposed system has the potential to greatly improve emergency response times and save lives, making it a valuable addition to any community.
- The transformation of communities into more isolated, single-person households adds complexity to the challenges faced by ambulance services.
- Pricing and accessibility emerge as significant drivers affecting ambulance utilization patterns. The evidence suggests that entitlements to free transport or participation in low-cost subscription schemes increase reliance on ambulance services.

#### REFERENCES

- [1] “.P. Arunmozhi and P.Joseph William, “Automatic Ambulance Rescue System Using Shortest Path Finding Algorithm,” in International Journal of Science and Research(IJSR),5th May 2014.
- [2] “RajeshwariSundhar, SanthoshHebbar and VaraprasadGolla, “Implementing Intelligent Traffic Control System for Congestion Control, Ambulance Clearance and Stolen Vehicle Detection,” in IEEE Sensors Journal, 2nd Feb 2015.CrossRef
- [3] SabyasachiPatra, KarishmaVelisetty and Prathamesh Patel, “Location Based Tracking,” in International Journal of Engineering Research and Development, 12th Feb 2014.