Ambulance Service on National Highway

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Problem Statement

Ambulance Service on National Highway.

In case of accident, user is directed to the nearest ambulance service, through the app. A list for all ambulance services to be prepared and mapped in the app, along with contact details as well as calling through the app facility.

Existing System

- The existing system is a scattered system of individual service providers with a minimum reliability and a primitive way of coordination.

- The existing system relays on individual service providers operating individually without any proper coordination. Thus the existing system only ensures poor service and leads to confusion among the users and service providers.

- The existing system also falls behind when it comes to the matter of identifying the location of the user requesting the service and also the availability and proximity of the service provider to the site of service.

- A request to the service provider(Ambulance) from a user cannot be tracked or identified in the existing system.

Drawbacks

- Numerous services acting individually without any proper coordination.
- Confusion regarding the current status and availability of ambulance services.
- Lack of rapidness in operation due to the confusion.
- Absence of location based service.

Proposed System

- The proposed system is an app which provides location based listing of the nearest ambulance services with respect to the current location of the user who is requesting service.

- The location and proximity can be obtained using the GPS of the device used to send the request.

- The ambulance service can identify the location of the request send via GPS.

- The app will enable the user to select from various services listed according to the proximity.

- In case of critical situations the user can request the immediate services by just pressing a button which will automatically send a distress message to the nearest available ambulance services.

- A call through facility can be also enabled.

- The ambulance service will be provided with a separate interface.

- The service provider can enable or disable the availability of service by selecting the option in the app.

- Whenever a request is allotted to a particular service provider the location at which the service is to be provided as GPS coordinate to the service provider and he/she can use this GPS coordinate to navigate to that particular location.

Advantages of Proposed System

- Location based service identification and service assignment.

- Significant reduction in operation time.

- Clarity in type of service to be offered.

- A well coordinated,centralized structure for service identification and assignment.

- In case of absence of internet connectivity, a call through facility is provided.

- One touch distress call with automatic nearest service identification and assignment.

- Aadhar card authentication is performed to identify the user and avoid fraudent calls.

Technology Stack Used

- **Front End : Android**

- **Back End : Firebase**

Thank You