RIPHAH INTERNATIONAL UNIVERSITY

Faculty of Computing

FINAL YEAR PROJECT INITIAL PROPOSAL

AI-Powered Advanced Rescue System

Project Team

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Project Proposal

Project Title: AI-Powered Advanced Rescue System.

Description:

Project Overview

The AI-Powered Advanced Rescue System is an application that may help in an emergency by providing information about unidentified injured or deceased person with the help of the latest biometric technologies. The app allows for quick identification by fingerprints, facial recognition, as well as retina scans so that the people in need of help as well as contact numbers and potential blood donors can be reached out to immediately.

Objective

The main goal of this project is to create a mobile application that will enable identification of persons unknown to each other who may be attending to emergencies. The app will also be responsible for alerting other blood donors around the individual in distress or the injured person's emergency contacts to come aid the situation, hence enhancing lifesaving in a minimum time.

Scope

Registration: The users will provide some details like national identity, contacts in case of an emergency, blood group, fingerprint, facial recognition and retina scans.
Identification: In case of the identification of unknown injured or deceased persons, the app will employ biometric data to store them.

Emergency Response: Cops on duty can take fingerprints, retina image or face image of unidentified people found at the scene and feed it into the app. The system will use this information to prompt the system to search the records and find out who the person is and alert all the contacts as well as the potential blood donor within the vicinity.

Contribution to Society

This application will go a long way in improving response to disasters especially in cases where the ID of the affected is unknown. By quickly deciding whether people are matches and alerting their kin and potential donors, the app can help save lives, decrease the time before vital, often surgery-required, blood transfusions and offer relief to families in crises.

Expected Outcomes

A functional mobile application which can recognize the identity of unknown injured or deceased through biometric data. A more efficient and effective way of contacting blood donors which in turn will result in efficient responses to emergencies. If possible, an emergency database that securely stores individual and biometric information for exigent circumstances.