CRASH & ANOMALOUS ACTIVITY DETECTION

Abstract

RAD is a safety feature that's available on a safety app helping to protect you and your loved ones. It's able to sense when you've been in a car accident, either as a driver or passenger, and will quickly notify emergency services, and could also alert your family members. Main thing is to monitor the vehicle with fully automated system & GPS satellite tracker.
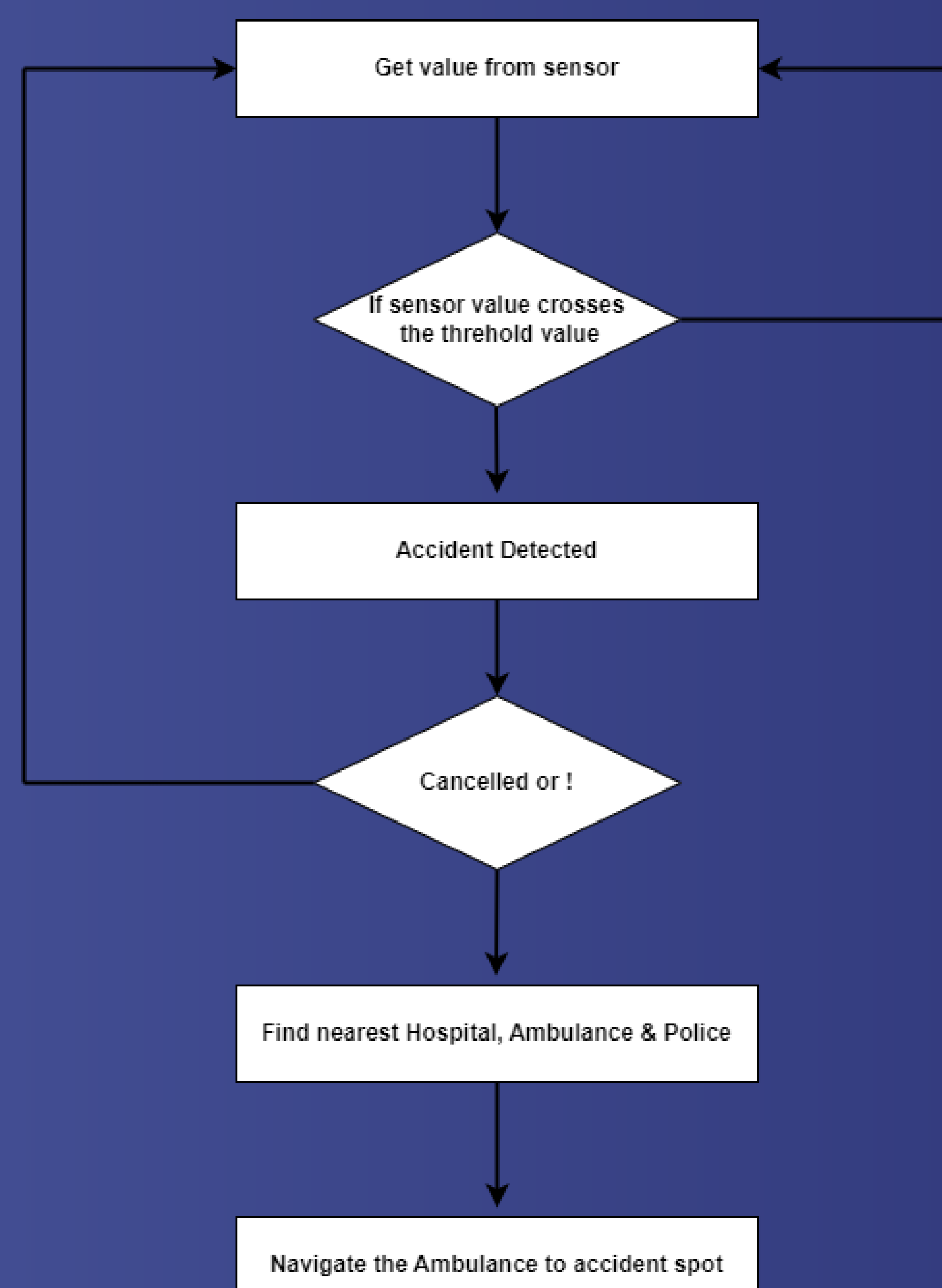
Objectives

Project's main objective is to develop a software which can detect vehicle crashes as soon as it occurs depending on speed parameters and direction.

- RAD aims to reduce number of deaths of people.
- RAD helps people to get rid of serious road injuries.
- RAD strikes to improve the safety of the people

Applications of project

RAD is a cutting-edge application designed to swiftly detect and respond to potential accidents. Your safety is our priority, and RAD ensures peace of mind by leveraging advanced technologies for rapid accident identification and immediate emergency response. Drive confidently, knowing that RAD is your vigilant companion on the road, dedicated to enhancing your journey.

Block Diagram

Get value from sensor → If sensor value crosses the threhold value → Accident Detected → Cancelled or ! → Find nearest Hospital, Ambulance & Police → Navigate the Ambulance to accident spot
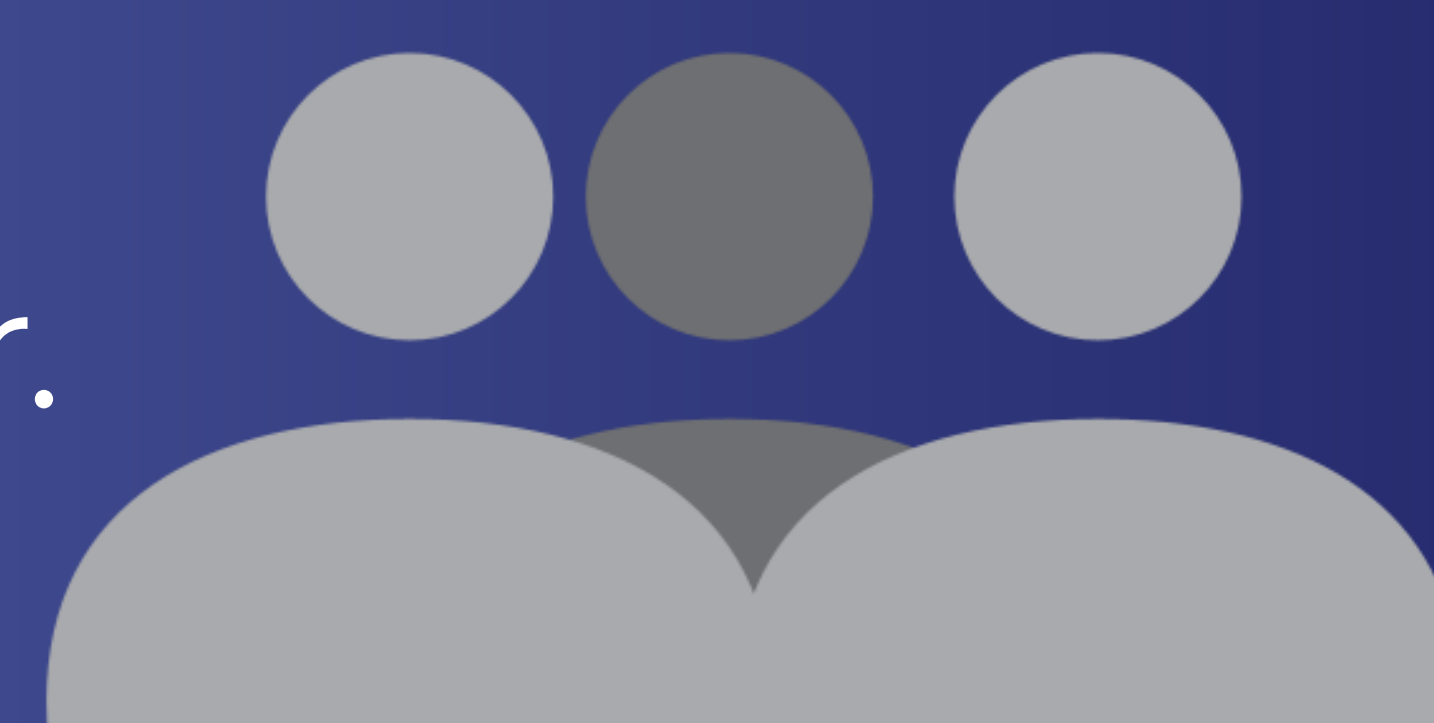
Tools

Project harmonizing **React Native**, **MySQL**, and **Jupyter Notebook**. In simplified terms, React Native crafts your mobile app with ease, while MySQL manages data seamlessly. Jupyter Notebook, a tool for insightful data analysis, rounds out the trio, ensuring your project's success in mobile development, data management, and analytics.

Scope

- Crash Detection alert.
- There will be a real time location coverage.
- Call to the emergency services.
- Automated message to the family members.
- There will be a manual SOS option.
- Fall Detector.

Group Members

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