**FORMAN CHRISTIAN COLLEGE (A CHARTERED UNIVERSITY)**

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**Mobile App Project**

**EventHorizon**

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**Abstract**

**EventHorizon is a mobile app designed to enhance campus life for students by providing essential features such as user authentication, user profiles, real-time chat, image upload, push notifications, geolocation, app theming, data security, language preferences, and multi-language support. With a focus on simplicity and functionality, EventHorizon aims to create a seamless experience that fosters communication, collaboration, and community engagement among university students.**

**Introduction**

**In today's digital world, everyone's hooked on social media like Instagram. But when it comes to university life, those platforms might not cut it. That's where "EventHorizon" steps in – it's made just for us students. Unlike big social media sites, "EventHorizon" focuses on what we need: chatting in real-time to plan events, finding out what's happening on campus with a map, and getting notifications for important stuff. Plus, it's all about keeping our info safe. "EventHorizon" is our go-to for campus life, helping us connect, stay in the loop, and make the most of our time at university.**

**Problem Statement**

**University students often struggle to stay connected with their peers and stay informed about campus events. Existing social media platforms may not provide the specific features needed for effective event coordination and communication within the university community. EventHorizon aims to address these challenges by offering a user-friendly app tailored to the unique needs of university students, providing essential features for campus engagement and event management.**

**Literature Review**

**Volunteer management apps have become increasingly popular tools for nonprofit organizations to streamline their volunteer programs. The article "9 Best Volunteer Apps to Simplify Program Management" provides insights into various apps designed to facilitate volunteer coordination and engagement. These apps offer a range of features such as scheduling, communication, and reporting, aimed at simplifying the volunteer management process for both staff and volunteers. They enable volunteers to sign up for opportunities, track their hours, and receive important updates and reminders, all through their mobile devices. While each app has its unique set of features, they share a common goal of improving efficiency and effectiveness in volunteer management. By leveraging technology, nonprofits can better engage volunteers, optimize their programs, and ultimately, make a greater impact in their communities. In this landscape, EventHorizon stands out with its innovative approach to volunteer management, offering personalized matching and robust communication capabilities. However, further research is needed to explore the effectiveness of these apps in enhancing volunteer satisfaction and program outcomes.**

**Project Overview and Goals**

**EventHorizon aims to develop a mobile app that simplifies campus engagement and event management for university students. The app will include features such as user authentication, real-time chat, geolocation-based event discovery, push notifications, language preferences, and multi-language support. By focusing on simplicity and functionality, EventHorizon seeks to create a valuable resource for students to connect, communicate, and collaborate within their campus community.**

**Project Features**

* **User Authentication:**

**Allows you to sign up, log in, and recover your password, ensuring your account is secure and accessible.**

* **User Profile:**

**Create your personal profile and share a bit about yourself. You can even add a profile picture to make it uniquely yours.**

* **Real-time Chat:**

**Chat instantly with your friends and fellow students, keeping the conversation flowing in real-time.**

* **Image Upload:**

**Share pictures and moments by easily uploading images directly within the app.**

* **Push Notifications:**

**Stay in the loop with instant notifications, so you never miss out on important updates or messages.**

* **Geolocation:**

**Find your friends on a map and discover events happening around campus based on your location.**

* **App Theming:**

**Customize your app experience by choosing between light and dark themes that suit your preference.**

* **Data Security:**

**Rest easy knowing your information is secure with the app's built-in security measures.**

* **Language Preferences:**

**Pick your preferred language to navigate the app comfortably in a language that suits you best.**

* **Multi-language Support:**

**Enjoy the app in multiple languages, making it accessible and inclusive for users from different language backgrounds.**

**Technology Stack**

* **Frontend (React Native/Flutter): React Native or Flutter framework chosen for frontend development.**
* **Backend: Firebase (including Authentication, Storage, Realtime Database, Fire store, and Cloud Messaging)**

**Project Development Methodology and Architecture**

**The project will be developed using an iterative approach, with regular feedback sessions to ensure that the app meets the needs of its users. The development team will focus on simplicity and functionality, prioritizing features that enhance the user experience and promote engagement. By leveraging React Native for front-end development and Firebase for backend functionalities, the team will create a robust and reliable app that fulfills the project's objectives.**

**REFERENCES**

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* [**https://www.govtech.com/education/higher-ed/college-students-build-app-to-bridge-volunteers-non-profits.html**](https://www.govtech.com/education/higher-ed/college-students-build-app-to-bridge-volunteers-non-profits.html)
* **Volunteering Of University Students As A Resource For The Development Of Higher Education**