**GDGC VNRVJIET APP** – **Assignment Submission**

For this assignment, I developed a cross-platform mobile application using Expo,React Native to enhance member engagement and streamline event updates for the GDGC VNRVJIET community. The application offers key features aimed at creating a central hub for GDGC members, ensuring ease of access to information and a sense of community.**Key Features Implemented:**

**1. Display of Upcoming Events:**

* The app fetches and displays upcoming GDGC events dynamically. Each event card shows the event name, venue, date, and a "Notify Me" button for users to subscribe to notifications.
* I designed the event listing to be both responsive and visually appealing, providing an intuitive way for members to stay updated on the latest events.

**2. Member Profile Management:**

* Users can create and manage their profiles within the app. This includes setting their display name, bio, social media accounts and profile picture.
* The profile feature ensures members can personalize their experience and engage more meaningfully with the community.

**3. Push Notifications/Alerts for Important Updates:**

* The app includes a notification system to send out timely updates about GDGC events, hackathons, or workshops.
* This ensures members stay informed about key happenings, contributing to higher participation and community engagement.

**4. Event Calendar**

* There’s an additional option/feature included in this where event calendar makes easier quick access to know information about the past as well as upcoming all events.

**Design & UI:**

The UI is designed with simplicity and user experience in mind:

* A home screen welcomes users with a personalized greeting and displays a search bar to filter events.
* A clean layout with prominent buttons like "Notify Me" to help users take immediate action on events of interest.
* Intuitive navigation through bottom tabs for easy access to different sections like Home, Explore, Alerts, and About.
* There’s an additional option where event calendar makes easier quick access to know information about the past as well as upcoming all events.

**Current Limitations and Future Enhancements:**

While the app provides a solid foundation, some backend functionalities such as authentication and push notifications using Firebase have not been implemented due to time constraints. We are planning to integrate these features in the future to ensure a more complete user experience:

* **Authentication:** We plan to implement user authentication using Firebase to provide secure login and account management for members.
* **Firebase Push Notifications:** Although the "Notify Me" button is present, the backend push notification functionality will be added soon using Firebase, allowing real-time alerts for subscribed events.

The Major Functionalities of the Application will ensures that the home screen, where upcoming events are listed as well as if there are any past events happened and hackathons, workshops, webinars conducted by the GDGC are about to get notified further in future through the alerts section, alongside the navigation bar links with the screens for other app sections as well. Each event card is designed for readability and quick interaction, keeping user convenience at the forefront.This document summarizes the design and development approach I used for the application, highlighting key features that were successfully implemented within the given timeframe. I’ve prioritized user experience and responsiveness to meet the requirements as well as additional too. Although some backend features are still in development, this version lays the groundwork for further improvements. Tried my level best to showcase app development skills in meeting the specified requirements within stipulated time.

Thank you for this opportunity to contribute to the GDGC community!