Project name - EVENTual

Team number - 170

Details

We aim to build a platform for events which makes creating, sharing and searching for events much easier. This can be used for group events amongst friends as well as at the institute level to share and publicise events hosted by different bodies.

There will be an android app and a website which will provide an easy UI to create, share and search for events. The app will serve as an extension to the default android calendar and all events will be saved locally to the user's phone. Sharing events will be implemented by links and QR codes, with scope for expansion to other methods as well. Any event will have a unique QR code and link, which can be shared with people who will be attending the event. Scanning the QR code or clicking on the link will add the event to the calendar of the user. All calendar changes made will be synced locally to the default android calendar of the user so that all events are accessible offline.

Conveners or Managers who plan the events can share the link on facebook or embed the QR code in their posters. This will also be one step closer towards paper-free events management.

There will be a common database for all events in the backend. Events will also be categorized such as Tech, Cult or even club-wise. We are also planning to implement the feature of push notifications. Basically we are building the one-stop-shop for all IITB events.

Features
➔ Creating categorized events
➔ Sharing events using
   ◆ Links
   ◆ QR Codes
➔ Searching events
➔ Notifications according to category of events

Equipment required

1. Server space
2. 3 Github Pro accounts
3. 1 Google Playstore account

4. Domain for hosting website

Team Members

Arpan Banerjee
Nihal Kumar Singh
Akash Trehan

Timeline

1st week:
- Learning Java and Android programming.
- Learning some UI features on Android.
- Making a basic Android app.

2nd week:
- Learning a web application framework language for our server probably in Python such as Flask or Django.
- Learning web frontend and setting up a basic webpage which can communicate with the server.
- Dividing work among team members.

3rd week:
- Creating a basic android app with minimal features.
- Adding QR code scanning feature.
- Adding event creation feature for both app and website.
- Getting a design ready for the website and the app.

4th week:
- Adding search functionality for events.
- Incorporating design in app and website.
- Adding categories for events.

5th week:

- Adding push notifications.
- Creating an online calendar which shows a graphical view of all events of the institute.

Estimated Cost