Project Charter

Problem statement

Many people miss out on great events happening around them because events are posted across multiple platforms and are hard or time consuming to find. Keeping track of all that's going on within campus and outside can be challenging, time-consuming, and frustrating. Most clubs and events' hosts publish their information on various social media and websites, our aim is to solve this issue by bringing the events and clubs to the people!

Our Solution

Our platform will streamline the event finding process into one platform, making it so users only have to visit one place for all of their events. Our platform will also be able to recommend events and clubs to users based on events they have liked or gone to in the past.

Project Objectives

- Provide a go-to platform where students can find clubs, organizations, and events to participate in
- Provide an easy marketing platform for clubs and organizers
- Provide convenient secured communication between participants and hosts
- Implement machine learning algorithms to personalize recommendations for students

Stakeholders

- **General Users**
  - *Students*: all students in Purdue University (and other universities as well).
  - *Clubs and hosts*: the clubs, organizations, or hosts that will host events.
- **Product Owners**
  - Youssuf Elshall; Albert Ibekwe; David Fuqua; Yaodong Qiu; Sultan Alahmadi

Deliverables

Machine Learning Algorithm for recommendation engine
- Recommend the activities that users might be interested in
- Exciting events on the database can be pushed to you if the algorithm recommends it

Host and participant logins
- Host accounts can be created, verified and set up which will allow event posting

- Participant accounts can be set up to allow browsing

Events boards
- Search for events
- Filter by region, time, interests, etc.
- Stay updated on events, while hosts can post more information for users to view

Attendee-host messaging for inquiries
- Participants can directly message the host

Scheduler
- add an event to your scheduler, view upcoming events, and receive push notifications

Push notifications
- Reminders to attend an event you have added to the scheduler

Web Scraping for events
- Events can be scrapped from the web which match user preferences

Technologies/Frameworks
- React native
- Cloud databases
- Python
- Github
- Jenkins
- Heroku
- Node.js