

# **PROJECT CHARTER - TEAM 16**

## **Purdue Campus Reviews**

### **Team Members:**

Anirudh Seela, Arnav Gupta, Darsh Dalal, Rohith Rajashekarbabu, Shreyas Kharbanda, Tejas Prakash.

### **Problem Statement:**

*Every year thousands of students leave the comfort of their homes behind and enter a complex educational ecosystem to chase their futures. Bombarded with a new environment, responsibilities and socio-cultural landscape, it takes many students hours of clueless wandering and guessing that most often lead to misguided decisions and unwanted outcomes. We want to reduce this learning curve by creating a one-stop-shop for all things Purdue. Through a peer-based network, new students can learn about and understand the campus through the experiences of their peers.*

- Incoming students have tremendous confusion, concerns and questions about the on-boarding process at Purdue due to information overload.
- Current students are unsure about their upcoming classes and professors.
- Students generally tend to learn better through the information that comes from the first-person experiences of their peers.
- Improved utility, reliability and user experience as compared to Reddit, RateMyProfessor, and Yelp as we provide more specific, community validated information.
- Provide a smart roommate search based on compatibility and information available in the databases.
- Allows freshmen to be better prepared to navigate Purdue and to make every moment count!

### **Project Objectives:**

- Centralize important information and credible opinions through a peer-to-peer Purdue network.
- Design a rating system to rate various campus facilities (classes, professors, dorms, dining courts).
- Automate registration verification through the public Purdue directory.
- Implements credibility score to incentivize solid reviews and offset bias.
- Allow creation of anonymous user reviews/comments yet rate credibility.
- Residence matching system to better match random roommates.

- Utilizes dining recommender system to recommend specific dining courts.

**Stakeholders:**

Users: Former, Current, and, Incoming Purdue students

Developers: Anirudh Seela, Arnav Gupta, Darsh Dalal, Rohith Rajashekarbabu, Shreyas Kharbanda, Tejas Prakash.

Project Manager: Yamini Ponugoti

Project Owners: Shreyas Kharbanda, Rohith Rajashekarbabu, Anirudh Seela, Darsh Dalal, Tejas Prakash, Arnav Gupta

**Deliverables:**

- A cross-platform, easy to use mobile application built using React-Native. (Such a platform allows users of both Android and iOS operating systems, while maintaining one codebase.)
- A Node and Firebase backend that will serve network requests and manage user data.
- A NoSQL database that manages persistence of the data flowing through the website.
- A score-based system to evaluate credibility of a user to maintain a bias-free, credible ecosystem. This system can also moderate reviews and users as well as report users to maintain a safe environment.
- A recommender engine for dining suggestions and roommate matching.