

# **Team 25 Project Charter**

## **BoileResources**

**Team Members:** Arya Shukla, Zain Sohail, Pranavi Chaganti, Suhesh Venkatesh

### **Problem Statement:**

Students across Purdue often struggle finding the optimal resources for individual classes. For the resources they do come across, their scattered and unorganized nature can result in time wasted searching for relevant materials and difficulty connecting with peers for study groups. Other platforms like Coursicle and Boilerclasses do not provide a centralized platform for class resources that provides tailored recommendations or tools in order for students to achieve these goals, but simply focus on class schedules and basic search features. Our app will combine AI-powered resource recommendations, a dashboard for personalized class management, and features like study group matching and in-app chat to create a comprehensive and interactive platform for Purdue students, simplifying resource discovery and fostering collaboration, helping students achieve academic success more efficiently.

### **Project Objectives:**

- Develop a user-friendly dashboard for purdue students to have a centralized class resources and tailored recommendations
- Students can find recommended textbooks, youtube videos, websites, quizlets, and other resources tailored to their enrolled course.
- Students who want to see all external resources in one spot, can be directed to specific pages such as Reddit and RateMyProfessor pages regarding the specified class
- Students can create user profiles to manage their individual class schedules
- Users' manually added classes allow them to receive access to existing study groups created for that class or make new ones
- Allow users to create chats between study groups to have easier method of communication

### **Stakeholders:**

Users: Purdue students looking for a centralized space for class resources and students participating in study groups.

Developers: Arya Shukla, Zain Sohail, Pranavi Chaganti, Suhesh Venkatesh

Project Manager: Robert Dickerson

Project Owners: Arya Shukla, Zain Sohail, Pranavi Chaganti, Suhesh Venkatesh

**Project Deliverables:**

- A React JS frontend web application that allows users to add classes, view resources and study groups
- A Node JS and Firebase backend that will serve network requests and manage user data
- A MongoDB/NoSQL database that manages user profiles, study groups, and class resources
- A React JS frontend direct messaging system for study groups to coordinate their meetups