**Abstract:**

In this project we aim to aid the university’s project committee in automating their work of assigning each group to a faculty member by designing a website that will take care of calculating the priority of each group and according to a set of rules assign theme to a faculty member that will work with them and inform the university of each group and their respective faculty member.

**Introduction:**

Every year the university’s project committee goes through a long and tedious process of assigning each group to a faculty member the process as is, wastes time and the students may have a misconception on how the process works and is very prone to human error, so we want to automate this process and make it as easy as possible, and ultimately limit unnecessary email usage for both the students and faculty members so they can utilize their time elsewhere and be more productive.

We will also provide the students with guidelines ,FAQ , and the capstone’s handbook, and provide each college with analyzed data to help them make decisions.

**Objectives:**

* avoid human interference
* limit user error
* provide dashboard & graphs for college administrators
* develop a ranking algorithm
* design an easy interface
* calculate faculty members loads to determine if they are available
* make project details and requirements clear
* handbook, guideline, and FAQ are easily accessible

**motivations:**

we find that usually some groups don't get any of the projects they have chosen in their top 10 selections because a faculty member submitted a proposal whilst he's not permitted to do so, another problem that we usually see some individuals might not find a group and both problems can bother administrators as well as unnecessary questions that can be easily answered.