# PROJECT DESIGN DOCUMENT

## Requirements:

1. In this task you have to create an algorithm that optimizes class meetings patterns around campus by efficiently allocating rooms to classes.

The algorithm created tries to identify the room that satisfies the maximum enrollment capacity while minimizing the room cost. This is clearly evident from the table on the home page.

1. The app should be easy to navigate with fewer clicks.

The app is well designed with fewer summary reports that maximizes the information to be portraited. The home page is a Gantt chart of the schedule of different courses for a particular day. It also includes a summary table which gives information regarding the building name and room number and its corresponding capacity.

1. The report should be intuitive to the user and enable user to gather maximum possible information.

The project includes a Gantt chart, a Forced directed graph, a tree graph and a calendar to encapsulate different possible information with maximum visualization.