

SNU RESOURECE ALLOCATION SYSTEM (SNURAS)

A Aadhavan - 1910110001
Ridham Bhagat - 1910110316
Samarth Gupta - 1910110338

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Motivation

There are many services offered to students on campus that run in a very casual and unorganized fashion.

Ex: Shuttle service, booking of classrooms.

We outline certain commonalities among these issues and sought to create an all-in-one solution to address this problem.

Problem Statement

To create a web-app that streamlines the process of booking a facility/service on campus. This would be the one-stop-shop to book slots for any service that requires prior approval/notification to use that service. Meetings with faculty, shuttle seats, etc would all fall under this category of 'services'.

Solution Overview

Our solution model has three types of users:

- Students
- Staff/Professors
- System Admin

Functionality

Students

- View list of available resources.
- Book a resource
- View their bookings.

Staff/Teacher

- Add a resource.
- Remove a resource.
- Edit a resource.
- View their appointments.

Admin

- Full control of the system.
- Manage users.
- Grant privileges.

Languages/Tools

Front End Description

- HTML
- CSS

Backend Description

- Django
- SQLite
- python

DEMO

Future Directions

Future additions include:

- Integrating the webApp with the pre-existing SNU ERP system
- Integrating with payment portal for shuttles and other services.

THANK YOU