

Final Project Proposal

Project/problem Overview

1. Buildings / Facilities have spaces that are not efficiently used
2. Real-time tracking of facility usage for stakeholders of facility to improve efficiency and profits
3. Real-time visibility of building availability to customers at all times for saving their time from long lines/disputes with others over a facility

Just like the library allows students to book rooms for group study and individual study, we want to make a system that tracks bookings and gives visibility of bookings for any facility. Our application will help stakeholders to decide whether to invest more, reduce costs or let things go on the same way.

We will take the problem of booking a basketball court and tracking booking data! Because who doesn't like basketball?!

Application Key Functionalities

- Students from select university can book the facility
- Facility organization provides customer support for students, maintenance of facilities and inventory management
- Study the data from the above two functionalities to make business decisions

Proposed Entities(no needs to draw a class diagram)

- Facility
 - Customer Support
 - Inventory Mgmt
 - Cleaning & Maintenance
 - Facility Analysis
- University Partner
 - Student
 - Booking Analysis

Eco-system architecture diagram

