

1. Problem Background

- a. Since the beginning of the pandemic students are having issues to finding a place to study without interruptions and worries.
- b. 12,100 students are enrolled in courses for the 2022 spring semester and 97.1% of them have at least one dose of the Covid-19 vaccine.
- c. The university counts with only two for students to reserve a classroom, one is the library, and the other is in Luchetti's Building (but only mechanical engineers' students can reserve).
- d. With the CDC guidelines and recommendations, those reservation rooms maximum capacity is cut by 50%, meaning that there is less space for students to reunite and study.
- e. The UPRM administration tried opening some study rooms around the university but the still aren't enough and not all of them have the privacy to study with alone or a small group.

2. Target

- a. The goal that to be achieved by April 27, 2022, is to create an online platform that will allow students to find and reserve rooms in the Stefani's building where they can study with their own private group and follow all safety measurements necessary.

3. Causes

- a. Problem: There's too many students in the university and not so many safe places for them to study in small groups. Why?
- b. The places where students can study are limited, there are not many rooms where students can reserve to have study sections. Why?
- c. The pandemic has created these issues where students are needed to spend more time home, but not all are having a good quality on learning. Why?
- d. Students are spending more time home and problems like ambient noise, power going out, internet not working, and other issues around affect the quality of learning. Why?
- e. Because most classes have gone online or hybrid, most people do not find a reason to go back to the campus or their apartments.

4. Countermeasures

- a. Allow students to find which rooms are available at what time anywhere if they have internet access.
- b. Add a type of calendar with exam notification so students can have a better idea of when they should reserve a room.
- c. Allow users to reserve room and add other users, other users just need to confirm to validate the meeting.

5. Check/Evaluate

- The project's success will be evaluated by determining if there is an improvement in ICOM students' GPA. Also, less COVID cases because of private groups studying.
- Project failure will be designated by the inability of reducing ICOM students' GPA using the platform

6. Act/Standarsize

- Feedback from students and any other users will be taken into consideration for future implementations.
- Further expansion to other buildings around campus, like in Chardon and Sanchez Hidalgo.
- Promoting the service while making sure it's available and usable by all will ensure that this is a long term project with lots of usability.