Topic: Parking UPRM

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1. Problem Background

- In our campus there has always been a problem with parking spaces, causing students to be late or to never being able to find a parking spot.

- We never know if a parking spot is available or if another student is going to be leaving campus therefore releasing a parking spot to be taken.

- Students must keep driving around in hope that they catch a person leaving from their parking spot.

2. Target

- Help to alleviate traffic congestion in our campus.

- Help students know in advance if there are available parking spots in campus.

- Make our campus more efficient in regard of traffic and time management for students.

- Have a more organized way of traffic/parking.

- Help alleviate pollution by not having students go around driving wasting gas trying to find a free spot or to catch a student leaving.

3. Causes

Problem: Our campus parking spaces have been a problem

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Students have problem finding parking spots

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Leading to traffic and waste of time and gas

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Could lead to potentially missing class or being late to a test

4. Countermeasures

- Create a mobile app that will let users/students know if a parking spot is available , and using map to locate it.

- Have a system in place that users/students can notify via the app, that their parking spot will be available.

- Have a system in place that puts students in a queue to get the next available spot.

- Have a system that could track how many spots are available and if a car is on the spot, using our parking stickers that we must put on our cars to use the parking services.

5. Check/Evaluate

- How many people are willing to use an app on their phones to have this type of system in place.

- Compare how much traffic has changed after implementing system.

- Polls for students to rate the efficiency of the system.

6. Act/Standardize

- Make an app that Works perfectly in both apple and android devices.

- Coordinate with security guards to be able to issue the parking stickers, and to help smooth the transition.

- Have the university send email notifying students of app and link it to homepages of UPRM.

- Make an app with an easy and relatable UI, that everyone can use fast and efficient and updating the system to maintain the efficiency.