

1. Problem Background

- Every year, thousands of students enter the University of Puerto Rico at Mayaguez without any knowledge of the infrastructure or the location of its facilities.

-Between 2016 and 2021, it was reported by the Office of Planning, Research and Institutional Improvement that a total 10,607 students entered the university. These students would have struggled to find their classrooms or to access any resource provided by the university.

-In addition, since 2020, most of the new entry or transfer students have not yet set foot on campus due to the outbreak.

Tabla 1. Estadísticas Estudiantes Nuevo Ingreso, por Programa- Resumen Facultad

Facultad	Año Académico	IMI Promedio	Nuevo Ingreso	IGS Promedio	IGS Máximo	IGS Mínimo	Promedio de Créditos	% Estudiantes Matriculados en:			
								11 créditos o menos	Entre 12 y 14 créditos	Entre 15 y 18 créditos	Más de 18 créditos
Recinto UPRM	2016-2017	302.41	2339	320.84	389	205	15.80	0.04%	12.61%	86.92%	0.43%
	2017-2018	303.14	2297	322.70	388	191	15.37	0.26%	24.38%	74.84%	0.52%
	2018-2019	301.68	2129	320.77	389	221	15.57	0.19%	15.22%	84.08%	0.52%
	2019-2020	299.99	1936	318.62	384	222	15.81	0.05%	11.05%	88.64%	0.26%
	2020-2021	300.14	1906	318.23	384	251	15.90	0.10%	12.07%	86.67%	1.15%

2. Target

The goal to be achieved by the end of the semester is to create an online platform that can facilitate the location of any building or facility in campus, thus reducing the time consumption and struggle for any student. The platform will also provide a description of the location that can help the student distinguish it as well as additional information, such as the floor where a classroom can be found, which can aid the student even more.


3. Causes

-There isn't any platform or updated map of the campus available for students to use as a guide.

-Students struggle to find the time in between classes to become familiar with the campus.

-There are no on-site guide stations for students to be able to take directions or take the correct path to their destination.

-The main cause is due to the number of buildings and the size of the campus, which is reported to be approximately 315 acres.



4. Countermeasures

1. Set a waypoint on every location of interest along with a name and description, such as the faculty related to the building for example.
2. Provide a list of the range of classrooms or facilities available in the building or on each floor in the case of a large building.
3. Include an efficient and detailed explanation on how to reach the destination.
4. In the case of a facility, the schedule can be included to let the student know with anticipation so they can plan and save time.

5. Check/Evaluate

-Students were able to become familiar with the campus in a short span of time.

-The included schedule of the facilities allowed students to manage their time more effectively or it generally raised awareness of the facility's existence, thus improving its usage.

-The included description of the building and the detailed explanation helped students to reach their destination with no problem whatsoever or arrive to their courses on time.

6. Act/Standardize

-The online platform will be updated when there is a change related to the campus, such as a change in schedule for a facility or a change in description for a building for example, ensuring that the process will continue to work.

-Future plans include expanding to nearby areas surrounding the campus where the student can learn of locations related to food, school supplies, study spaces, among other things.