DigiEduHack Solution
Lima - 28h: FuturEd
Challenge: Lima - 28h: FuturEd Challenge 2021

Crowd U Less

App to reduce crowd in university campus

Application that helps to identify the agglomeration of people within public spaces in universities by proposing various alternatives of meeting inside or outside the campus.

Team: Crowd U Less

Team members

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Members roles and background

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Solution Details

Solution description

This app allows the users to:

-Identify the hours of greater affluence of people.

-Knowing alternatives of public spaces on and off campus available in a quick and real time way.

-Being familiar with the surroundings and exterior of the institutions.

-Obtaining rewards for their use such as cultural tickets and use of university services

Solution context

With the proposed app we want to avoid excessive crowds in public spaces, on or off campus in higher education institutions. With this idea, the first step is solving problems about returning to campus, where many students will return or being for the first time there. The application proposes specific solutions such as notices with integrated data of the number of people together in a public space that can be on or off campus. Likewise, it will provide information on the reservation of services for some spaces within the universities such as study rooms, spaces in the library, cubicles, among others and will identify seasons of high crowding of people.

Solution target group

The application is intended to help the entire university community who want to use public spaces inside and outside their universities. As the external part of the university is involved, dining halls, stores, restaurants, library, parks and surrounding establishments are also integrated to the application

Solution impact

The impact that the proposal seeks has to do with the issue of the return to campus in higher education institutions, after the strongest period of the Covid-19 pandemic. Within this broad theme, we chose to take the case of crowding in public spaces, inside or outside study campuses, because it is these spaces that complement the learning process of higher education. When they are too crowded, the quality of teaching within them is lost, it is necessary to look for external places to complement extracurricular activities. That is why it was decided to take the opportunity of the pandemic to propose a project, condensed in an application (app) that can help solve this existing problem even before the pandemic, making a previous study of the reality of public spaces inside or outside the campuses of higher education institutions in countries like Peru so that in this way the educational community can enjoy a high quality university experience and in turn avoid crowds that can be risky for dangerous situations such as epidemics.

Solution tweet text

Application which help to avoid crowds at university public space

Solution innovativeness

The application integrates a real-time heat map with the dynamics at work at the pedestrian and movement level within a university and its immediate surroundings. This allows the university to be integrated into the city with the help of technology, with an efficient movement of citizens/students between different public spaces.

Solution transferability

The application can be used as part of a macro system at city level, integrating even to transportation systems, recreational places and public safety, because the stored data provides information on the number of people that can be found simultaneously in different places in real time.

Solution sustainability

The application seeks to become in the long term an indispensable complement to possible applications that universities may previously have. This is achieved due to the integrated retribution system that will make users join the dynamics of obtaining a reward for maintaining the high quality of the public spaces in their universities.

Solution team work

Everyone contributed important information and experiences to the proposal. We would definitely work again in the future as a team.