CP2048 Design Sprint Problems

Please note:

1. Download "Sprint details" folder(for Sprint assignment templates) from learnJCU/assessments.

2. All team members should work on <u>Sprint workbook template</u> and upload <u>all related evidences</u> for two days in SPRINT folder(*"CP3405_TeaMemberNames/ SPRINT")* according to the roles they hold.

3. As you all know that best prototype will be awarded "Appreciation certificate" , so try to be on schedule and on 2 February by 3:30 pm, make screenshots along with link of final prototype available in *"CP3405_TeaMemberNames/ SPRINT/Final_Prototype"* .

All the best.

Choose any one of the problem from any domain area and provide a creative and innovative technological fix following the complete design process.

Area 1: Local Airport

Currently, the local airport is facing these 3 issues.

Problem 1: Data Problem

The local airport has data from multiple sources about customers: data about customer though the free WI-FI system, data from parking bay, data from concessioners and data from airlines. However, currently there is no a system access/aggregate this datasets for better customer experience. The airport wishes for a system that would be used by either passengers or airport staff to improve customer experience using these data set.

Problem 2: Revenue Generation

The local airport is looking for new way to generate revenue, through either attracting new visitors/customers or ensuring customers spend more time at the airport.

Problem 3: Safety Checks

Currently, the safety checks on the runway (for wildlife and other hazards) at the airport are done manually and reported manually. Manual checking is difficult and the airport is keen to explore semi-automated methods to help

staff. Also, as these reports are manual, there is difficulty to pass this information to staff in other areas as well as when staff change shift.

Area 2: Local Council

Currently the local council is facing these 3 issues.

Problem 1: Lost Pets

The local council is having difficulty in reuniting lost pets with their owners. The longer a pet spends time in a pound, the more expensive it is for the council and the more stressed the pet gets. The council is seeking ways to quickly unite lost pets with their owners.

Problem 2: Water Issues

The local council is having difficulty in addressing water issues in local properties in time as the local council does not receive the reports in a timely manner. The longer a water issues goes unaddressed, the more expensive it is for the council to fix it. The council is seeking ways to quickly address water issues.

Problem 3: Parking meter

The local council is having difficulty in addressing broken parking meter in the business district in a timely manner, as the local council does not receive the reports in a timely manner. The local council loses revenue when a broken parking meter is not fixed in a timely manner. The council is seeking ways to quickly address broken parking meters.

Area 3: University Campus

Problem 1: Attendance

Currently University attendance department is struggling with lots of problems related to biometric attendance. Problems are like inaccurate received data, students playing with the system (taking advantage), not able to catch the actual attendance (like many students just tap in and miss the lecture which is practically being absent from the class). You are free to identify any other related problems according to your research and propose a solution that is convenient to students, accurate, effective and fair to both parties(students and University).