2020 Academic Year
Senior IEEM Topic Abstract

Group: 18   (Topic) Redesigning Dormitory laundry Service

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Abstract

In this project we identify a queuing problem when using the school's dormitory service. Students usually have to wait a long time in order to complete their laundry, or they need to seek machines else where. We have noticed this problem can be very frustrating and time consuming. Therefore, we have designed a solution that can improve the queuing problem when using the school dormitory. The new designed allows students to schedule their laundry date and time via an APP. Students need to sign into an APP that allows them to select a convenient date and time. In addition, reminders are also sent to the users to ensure that students use the machine at the scheduled time. Further advance allows for the machines to be locked and can only be unlocked using a password/ QR code from the APP. In the end, we will conclude whether students think that the new design can be integrated with the present laundry system or not. Moreover, whether students think that the new Design is more suitable than the previous system .