Queue Control System

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Effective control of state-imposed regulations (caused by COVID-19) is one of the main challenges. Therefore, our goal was to create a device that would be able to calculate the number of people in a closed building and to register them and their temperature. Our project consists of a software part where a database is created and the student's names are attached to the card number. The start time of the lesson or lecture is also given and the temperature limit is set. Each student will have their own card, which they must check in the card system upon entering the institution. While registering the card, an infrared camera looks at it, which measures the student's temperature while registration. If the student's temperature exceeds the limit, the tourniquet will not be opened and he will not be able to enter the building. In addition, the database will store his/her data and then transfer it to a special institution. The system records the student's first and last name while with the temperature measurement at the time of entry. In case of delay, the student is automatically transferred to the delayed list. But what happens if this virus disappears? In the absence of a pandemic it will still be important for all types of institutions. It will be able to register people in institutions. It will fix how many people entered the establishment that day and at what time, in case of delay, transfer them to the delay list. Therefore, the project is important for educational institutions and various organizations. We have presented the project in a completed form. It is working and therefore has the perspective of presenting it on a larger scale.

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