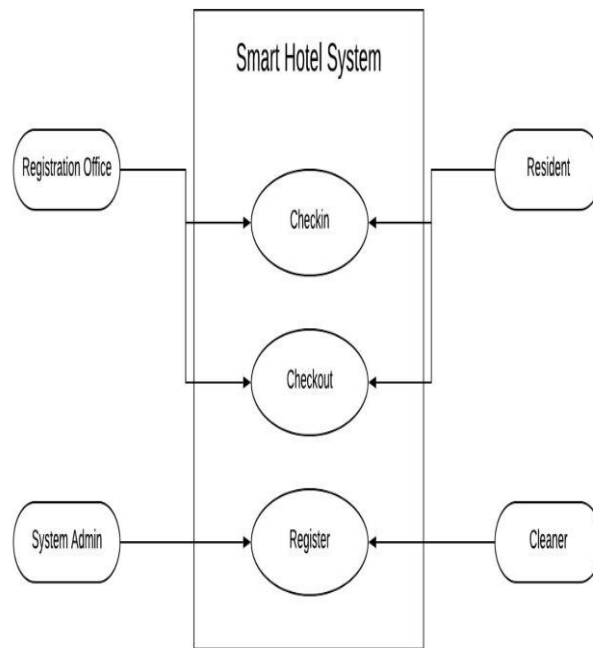


ABSTRACT

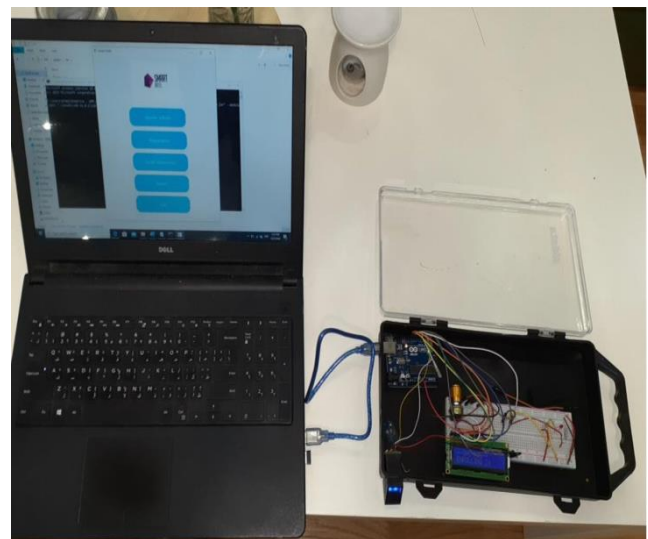
The computing technology has evolved a lot in the last years, Computers has evolved in such a way to finish any task in a blink of eye, so according to this huge time performance many companies and organizations are going towards the brilliant automations solutions, Many factories also are going towards these solution which is called the 4th generation industrial revolution, Our project is an application that automates routine registration process in a hotel, the application also adds some security by using biometric system to identify it's user (i.e. fingerprint).



Introduction.

First let's start by discussing how the traditional hotel management process work.

First Part you start by reservation process this process is usually done by the phone or through a website after this process is finished you get what is called reservation num this number is used to identify you when you visit the hotel. Second Part after the identification process is done you get your rooms card so you can enjoy your accommodation, it's a simple process however it has a problem. The problem is not in the first part of the process this part has become easier due to modern technology.



Method

Each component has a purpose in this project to get better results. sensor, namely fingerprint sensor using Arduino board, the required components of this project mainly include an Arduino Nano board, fingerprint sensor module, small breadboard , connecting wires.

Results

At the end of this project the results were great . the costumer putted finger print in the sensor reading the finger save in the system and now you can open the door of room

Conclusion

To conclude, the technology is moving very fast and we should cope with it, we should replace all the routine activities with automated systems to make it faster and easier, our solution provides integrability and scalability beyond the hotel demo, so we should use such systems everywhere, one last thing to mention .