

Embedded Project Proposal

Door lock system

We were able to relate our project to this course material as it includes topics we have learned about but most importantly privacy and security where security is seen as a way of being protected from harm and privacy are seen as a way of being kept away from others' observation. As thefts are becoming more common nowadays, security is becoming a major concern also. So a door lock system can secure your safety easily. It will open your door only when the right password is entered.

Parts used:

- Arduino
- LCD
- LED
- Jumper wires
- Buzzer
- servos

About:

A door lock system where we can enter a password to unlock the system. By using the parts stated we will be able to make this embedded system function by connecting the parts and writing a source code to run it. The Arduino controls the process like taking a password and sending the status to the LCD display. The buzzer is used for indications and the Servo motor is used for opening the lock while rotating. When we enter a password, it will let us know if it matches the one in the Arduino. If it is correct, then it will rotate the servo motor meaning the door is unlocked.