**CSE331**

**Microprocessor Interfacing and Embedded System**



**Project proposal**

**Submitted to**

**Sheikh Faisal**

**Project Members**

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**Proposed Project Name:** Knock Detecting Lock

**Hardware:** Arduino Uno, Gear Motor, Piezo Sensor, Push button, Resistors, Breadboard, Wires Etc

**Abstract**: We want to make a robot that will detect a specific "Knocking" sequence and utilizes the sequence to unlock the door automatically. This system is faster than traditional key, or mobile phone Bluetooth unlocking system. Since it is an automated system, it can be used in Smart Home setup architecture. In this project we will use an **ATmega328** microcontroller and **C** programming. There is a limitation in this system. If the battery runs out, then the system will not work properly.