

Team Name: Eureka

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Problem Statement:

A smart lock system that can be operated using an app through the internet and a secret knock.

Overview:

We came up with a smart solution for unlocking doors without the use of keys. The first way to operate the lock is using a recorded secret knock . This knock can be reset by the simple click of a button. The second way was through a mobile app that authenticates the user by their fingerprint. The pro of this method is that it is implemented through the internet which means that the door can be unlocked by the owner from anywhere in the world as long as they have access to internet.

Hardware:

- Arduino Uno
- Gear motor
- Resistors
- Relay-module
- LEDs
- Push Button
- NodeMCU
- Connecting Wires
- Wood

Software:

- Arduino IDE
- Android Studio
- Visual Studio
- Firebase

Pictures:

