Product in use:

Operating Instructions:

- You may have to first register with the admin to use.
- You are able to lock/unlock the device without being physically present there.!
- You are allowed to change password as many times as you wish.
- Admin can access all the activities carried out by his trusted users.

Team Members:

ME/AR

EC/EE

CS

EC: 1. Somaling H D
2. Sneha Mokashi
CS: 1. Sagar Huli
2. Yadiki Supreeth
ME: 1. Vinayak S Naik
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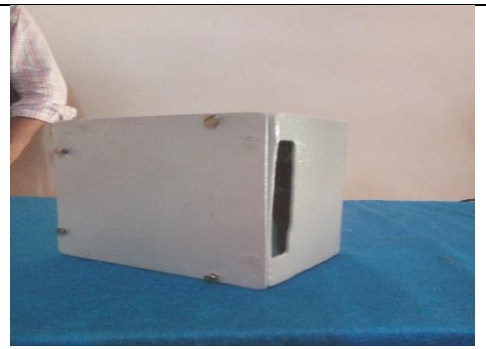
For more Demo, Videos and info scan the QR code:

Pocket Lockup

"A step towards next generation safety"

Smart Lock Team 15_2



KLE TECH

KLE Technological University
Creating Value
Leveraging Knowledge

Engineering Design and Product Realization 2017-18

Team 15_2

Introduction:

Locking is adapted for one's protection or to keep the confidential things safe.
Traditional locking system involves the presence of a person accessing it.
Think of a situation like a person is out of station and his family members want to operate the lock, then they must have a duplicate key or else they cannot access it.
We, the team of six engineers, with the application of latest technologies have come up with a product that would possibly fix this problem.

Overview:

Pocket Lockup operates fully automatic with the help of a mobile App.
Multiple users are able to able to access.
Pocket Lockup uses IoT interface which has enabled it to be operated from any corner of the world.
Response time is usually 5 seconds.

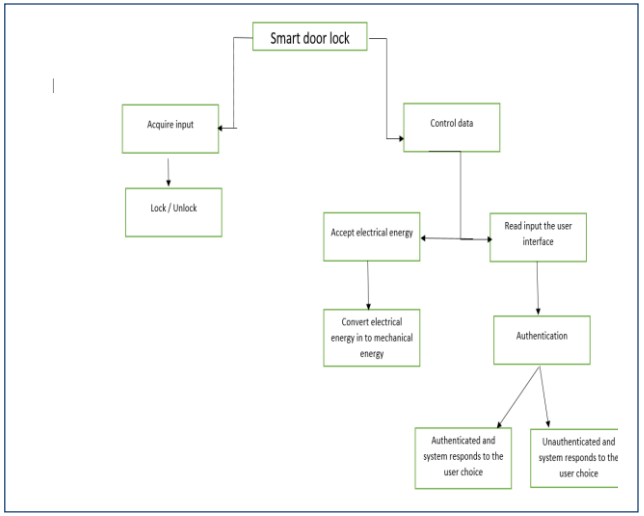
Features:

- ✓ It can be accessed by multiple trusted users.
- ✓ Can be operated from anywhere.
- ✓ Stores the information of the users accessed and displays the same to the admin.

Product Specifications:

Mechanical	Electrical
Dimension: 11cm X7cm X 11cm	Crystal oscillator : 16MHz
Material:Aluminium	Micro-controller: Atmega 328p
Thickness :1.2mm	Wi-Fi module: ESP8266-ES12
Actuator: Servo motor	2 Resistors of 10k ohm and 1k ohm.
Torque :10kg	2 Capacitors of 22pF & 1capacitor of 100mF
Latch: Mild steel of 10mm diameter.	1 regulator IC(7805) of 5V
Coupler consisting of 6-8mm diameter	Battery 12V,1.3A
6 nuts & bolts of 2 mm	1 Bridge rectifier

PRODUCT ARCHITECTURE:



Android App. /IoT

Here write how IoT has been implemented and its functions in prototype.