1. Location Based UnLocking System

Components

Microcontroller (AVR)

LCD

GPS

GSM

Relay

L293d Motor driver

Gear motor

Piezoelectric sensor

Keypad

Mechanical box

Project flow

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In this project we are storing the predefined location in microcontroller by pressing keypad microcontroller store the location so the GPS continuously recive the coordinates and send it microcontroller if anyone reaches the container(locker) to the particular place then the microcontroller checks if it match with predefined place then the microcontroller display (enter password )when the user as to enter the password then if its valid then it turns on the motor it will rotate .(locker will opened )

In the other place any one tries to open it that means any vibration occurred then it will send an sms to authorized person(msg contains the location coordinates )

GSM no-7204159553