ITSP 2015

Group – Phantom

Room Automation

There will be an app on the android phone which will have two interface

1) Voice command recognition
2) Buttons

These will control the switches and door lash and some mechanism to open and close the door.

The command from the mobile will be sent to the microcontroller via Bluetooth which will implement them. These commands will further be sent to different components which will mechanically switch the switches and open close the doors. One component will be there to adjust the speed of the fan by rotating the knob. These components will be such that they can fit different types of switches, knobs and doors.

As of now we will be using the following components

1) Atmel Atmega 328
2) Bluetooth module
3) Servos (For the switches and lash)
4) Motors   (For the Door)
5) Some buzzers etc.

The cost will be around Rs 5000.

The maximum time required will be 1 month.