

Projecthiko 1.0

Automating home! Automating lives!

Group - 25

Aavishkar 2k17 - IIT Mandi

May 11, 2017

The Team (Group Number-25)

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Things we have used:

- Raspberry Pi 3 Model B
- LED's
- Sound Card
- Microphone
- Jumper Wires
- BO motor
- Physical Model



Objectives of the Project

- Developing a handy system to perform the given tasks.
- Making a sound recognition system.
- Analysing the sound and perform whatever is said.
- Making the system efficient.
- Making the system that intelligent that it talks with the person.
- Enabling Smartphone Control
- Developing a physical model and demonstratrte every point.
- Developing a web based application which can control the operations.



Objectives covered Till Date(11 May 2017)

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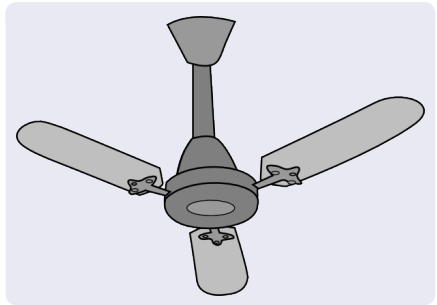
Task 1 - Lights

We generally leave the lights on in some rooms when we are going to sleep. We also prefer doing less efforts for switching off the lights of our bedroom. In that case just think if you say anything related to switch off the lights in that particular room, the lights automatically get switched off.



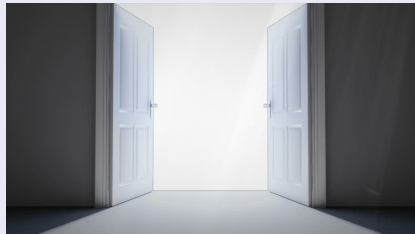
Task 2 - Fan

What matters the most is comfort. We deliberately leave the fans on in every room during the summers. Or we want to turn on the fan in our room. What if it is possible by just saying any random sentence which includes "FAN" and "Required State"?



Task 3 - Doors

Sometimes we just forget to close the door and then we have to run to the last point in our house and bolt the gates. We can do this directly by giving voice command.



Task 4 - Lift

Just imagine how pretty it could be if we can call a lift just by saying "to the heaven " etc.



Task 5 - Some special features!

For that you just have to spend a night or two with our own hiko! Believe me, you can talk about anything with our hiko! GREAT TIME STARTS NOW!



Outline

- 1 Team
- 2 Introduction
 - Usage
 - Objectives
- 3 Tasks