



Experiment No. – 3.3

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Branch: CSE

Section/Group: IoT-602 B

Semester: 5th

Date of Performance: 28/10/2023

Subject Name: IOT

Subject Code: 21CSP-344

AIM:

To create a smart home project, using App based control system.

COMPONENTS REQUIRED:

- 8 Male/Male Jumper Wires
- 1 HC-05 Bluetooth Module
- 1 (5 mm) LED: Red
- 1 Arduino UNO
- 1 Resistor 1k ohm

Apps and platforms:

- 1 Arduino IDE
- 1 MIT App Inventor

THEORY:

Introduction:

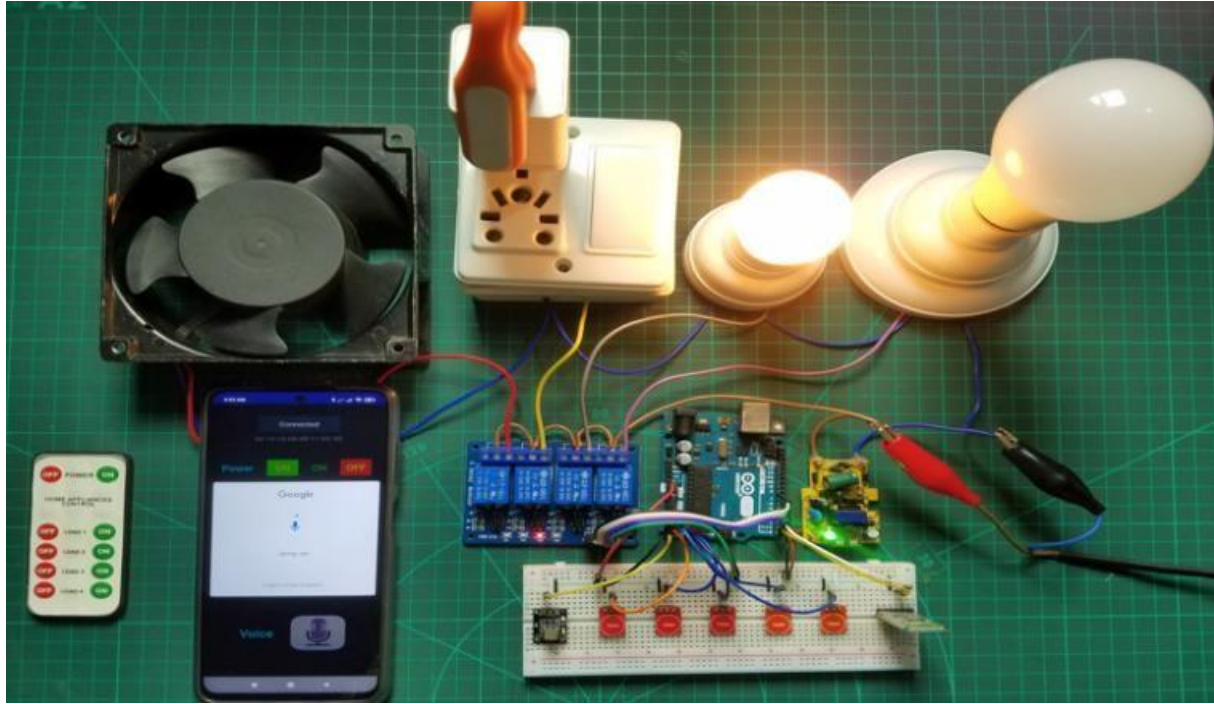
Nowadays, we have remote controls for our television sets and other electronic systems, which have made our lives real easy. Have you ever wondered about home automation, which would give the facility of controlling tube lights, fans and other electrical appliances at home using a

remote control? In this experiment we will perform Arduino based home automation using Bluetooth. This system is super-cost effective and can give the user, the ability to control any electronic device without even spending for a remote control. This experiment helps the user to control all the electronic devices using his/her smartphone. Time is a very valuable thing.

Everybody wants to save time as much as they can. New technologies are being introduced to save our time. To save people's time we are introducing Home Automation system using Bluetooth. With the help of this system you can control your home appliances from your mobile phone. You can turn on/off your home appliances within the range of Bluetooth.



Outcome



LEARNING OUTCOMES:

- Learnt about Home automation using iot devices.
- Learnt how to connect equipment to iot to make home automation.
- To save people's time we are introducing Home Automation system using Bluetooth