

## Experiment 3.2

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**Semester:** 6  
**Subject Name:** IOT LAB

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### 1. Aim:

Real Time application of controlling actuators through Bluetooth application using Arduino.

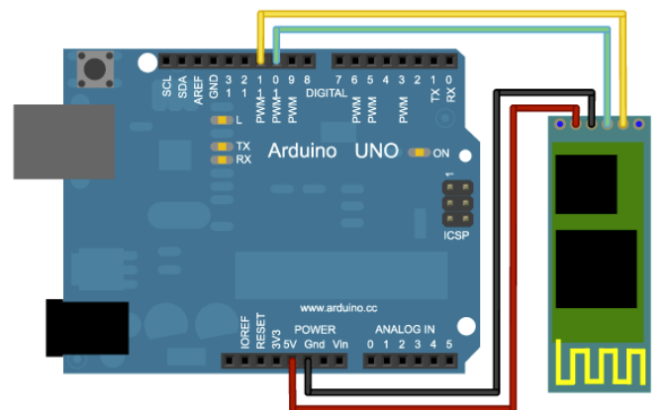
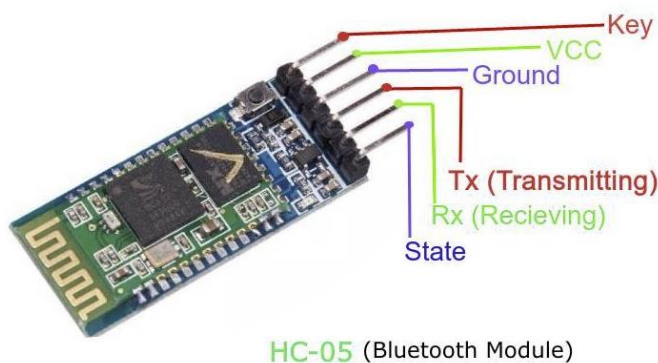
### 2. Objective:

- Learn about IoT based simulations.
- Learning the circuitry.

### 3. Code-Output:

- Hardware Requirement
  - Arduino Uno
  - LED
  - Jumper Wire
  - Register 1k ohm
  - Bluetooth Module

#### ➤ Circuitry



```
#include<SoftwareSerial.h>
SoftwareSerial bluetoothSerial(10, 11);
const int led1=2;
const int led2=3;
const int led3=4;
String inputString;
String buttonId;
int buttonState=0;
int pinNum=0;
void setup(){
    //set the digital pins
    pinMode(led1,OUTPUT);
```

```
pinMode(led2,OUTPUT);  
pinMode(led3,OUTPUT);  
bluetoothSerial.begin(9600);  
digitalWrite(led1,LOW);  
digitalWrite(led2,LOW);  
digitalWrite(led3,LOW);  
}
```

**OUTPUT :-**

