



INTERFACING AN ANDROID WITH ARDUINO

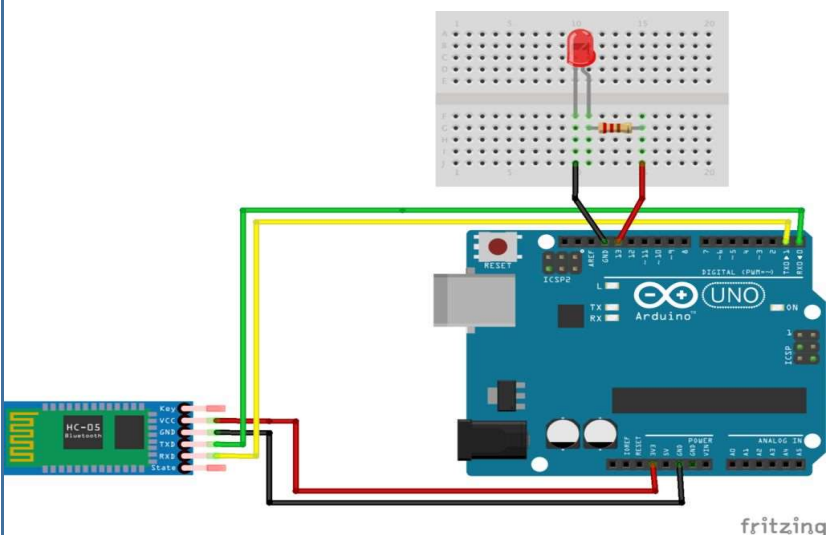
SAURAV MEHTA | Prof.S.M.A.K.Azad | School of Electronics

Introduction:

Ever thought of controlling any of your electronic devices with your smartphone? How about a light or any other device?

The android phone can be used to control all of the functions of the Arduino, from controlling an attached LED, to a finer control of relays or home appliances.

RESULT:



SCOPE of the Project

- Ease and convenience are two things that make smart home systems so captivating.
- It becomes easy to reduce the cost and energy with the help of Smart home devices.
- The Android phone can be used to control all of the functions through the Arduino, from controlling an attached LED, to a finer control of relays or home appliances.

Methodology

- The home automation circuit is built around an Arduino board, Bluetooth module HC-05 and LED.
- Bluetooth module used in this project is HC-05, which supports master and slave mode serial communication (9600-115200 bps) SPP and UART interface.
- Using these features it can communicate with other Bluetooth-enabled devices like mobile phones, tablets and laptops.
- The module runs on 3.3V to 5V

Contact Details:

saurav.19bcn7124@vitap.ac.in

SUMMARY:

Home automation using Bluetooth has been experimentally proven to work satisfactorily by connecting sample appliances to mobile devices.

Acknowledgments

. <http://studytronics.weebly.com/projects/advanced-home-security-system-using-arduino>