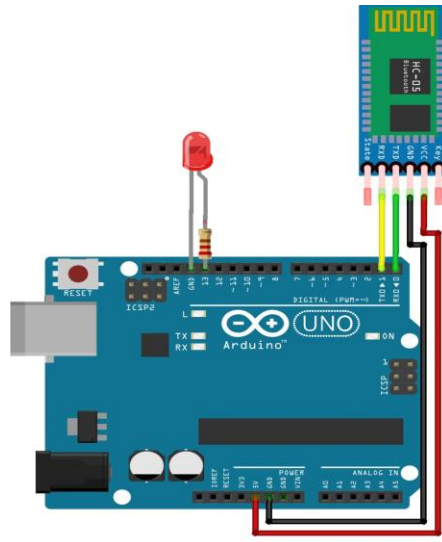


Exp.5 Design a smartphone controlled device

Circuit Diagram:



Theory:

Concept Used:

- By using kirchoff's voltage law &
- By using kirchoff's current law
- Wireless technology
- Radiation & wave frequency

Learning & Observations:

- Working of Arduino
- Coding for Arduino using C language
- Bluetooth execution
- Controlling devices through a remote
- Relation between software and hardware.
- Variation in frequency

Problems & Troubleshooting:

- Port selection
- Loose connections
- Error in coding

Precautions:

- Connections should be tight
- Port and board selection should be correct
- Code should be written properly

Learning Outcomes:

Bluetooth functioning through smartphone was verified after uploading the program.