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PRN - 2020BTECS00037

Experiment no :- 8

Aim - To study wifi connectivity of arduino.

Procedure - IEEE 802 develop following standard
wifi standard - 802.11

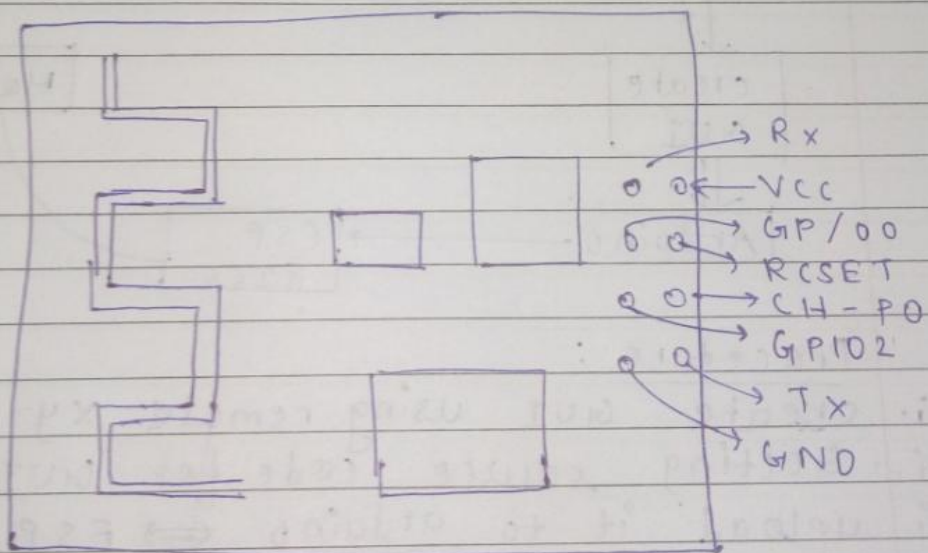
Ethernet - 802.3

Bluetooth - 802.15

Wifi is a wireless connection required to operate internet which is done with router.

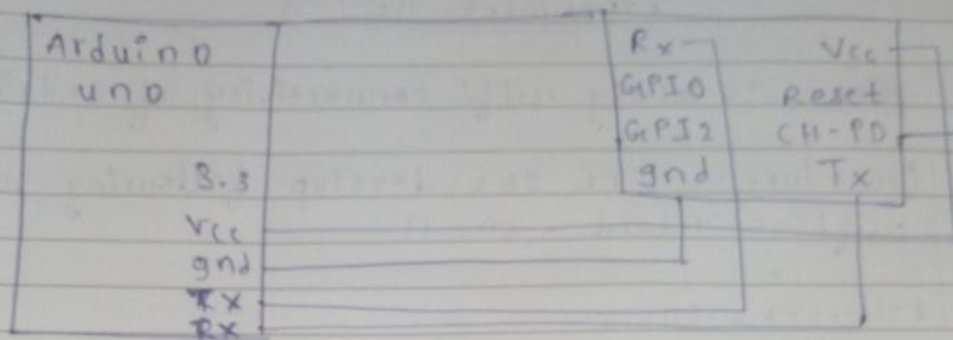
Esp 8266 - wifi module

Low cost serial wifi:- serial communication

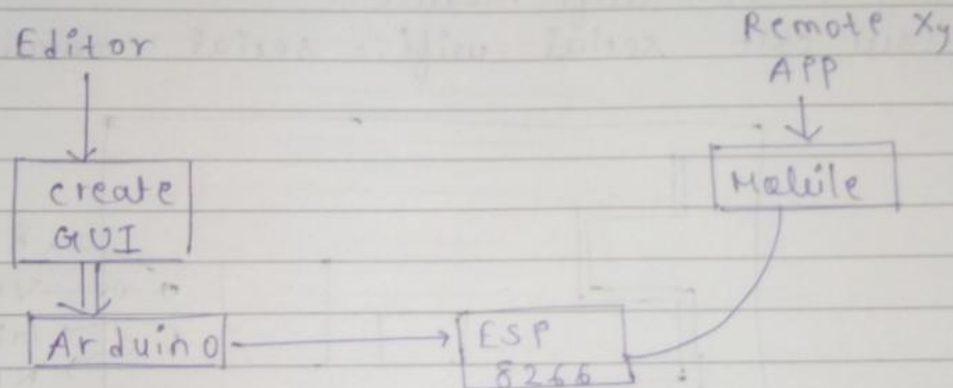


ESP8266

ESP 246



Remote XY Arduino control is app to control all devices/appliances present in home like fan, TV, AC etc.



Procedure :

- i. create GUI using remote xy
- ii. Getting source code for GUI
- iii. upload it to arduino ↔ ESP:8266
- iv. Get remote xy App (mobile app).
- v. Establish connection between App & wifi

Conclusion :- we can connect arduino to wifi and done our project by remote xy app. Auto control appliances of home using this method of connecting wifi to arduino.