project

Project

- 1. Arduino display connect
 - https://youtu.be/SuJR7nMmofl?si=Y6hlQiRkAlf4X6lk basic connection
 - o spfd5408/ili9341 arduinomodulo inverse network security uno + tft lcd touchscreen 2.4 inch



- basics and overall figure on parallel tft touch screen to create a button and to create more simple work https://youtu.be/Slo_Gv7K7Fo?si=LG3C7flBn3KlfdQ0
- · github library to arduino

https://youtu.be/WuqEAUirXw0?si=FbbtCYspiO1bc1Qm

working library to the display via arduino

https://youtu.be/D3lv0eySz8A?si=6jSlzh7lvAM4Ao6D

blog ==> https://techtotinker.com/2020/08/26/tutorial-how-to-use-2-4-tft-display-spfd5408-ili9341/

The above didnt work only half display was displayed and no input signals worked

2. Bluetooth connection

blutooth module we have ==> hc 06

Easy connection direct connection

voutube ==> hc 05 / hc 06

3. WiFi connection

- for the nipuls arduino with inbuilt ports == > nipul youtube link
- ch340 driver download ==> https://sparks.gogo.co.nz/ch340.html this comes with the error ==> https://stackoverflow.com/questions/76146837/a-fatal-esptool-py-error-occurred-cannot-configure-port-permissionerror13-a
- error ==> A fatal esptool.py error occurred: Failed to connect to ESP8266: Timed out waiting for packet header ==> unplug and replug solves the problem
- error ==> A fatal esptool.py error occurred: Invalid head of packet (0x72) ==> clicking reset pin and plugging unplugging the usb works
- for proper connection ==> it should be like below screenshot

```
void setup () {
          Serial . begin ( 9600 );
// set WiFi to station mode and disconnect from previous connection
          WiFi.mode (WIFI_STA) ;
Contiguring tlash size...
Auto-detected Flash size: 4MB
Flash params set to 0x0240
Compressed 272768 bytes to 200544...
Writing at 0x00000000... (7 %)
Writing at 0x00004000... (15 %)
Writing at 0x00008000... (23 %)
Writing at 0x0000c000... (30 %)
Writing at 0x00010000... (38 %)
Writing at 0x00014000... (46 %)
Writing at 0x00018000... (53 %)
Writing at 0x0001c000... (61 %)
Writing at 0x00020000... (69 %)
Writing at 0x00024000... (76 %)
Writing at 0x00028000... (84 %)
Writing at 0x0002c000... (92 %)
Writing at 0x00030000... (100 %)
Wrote 272768 bytes (200544 compressed) at 0x00000000 in 4.8 seconds (effective 450.0 kbit/s)...
Leaving...
Hard resetting via RTS pin...
```

if it doesnt search for wifis still press reset and see

4. Flutter learn