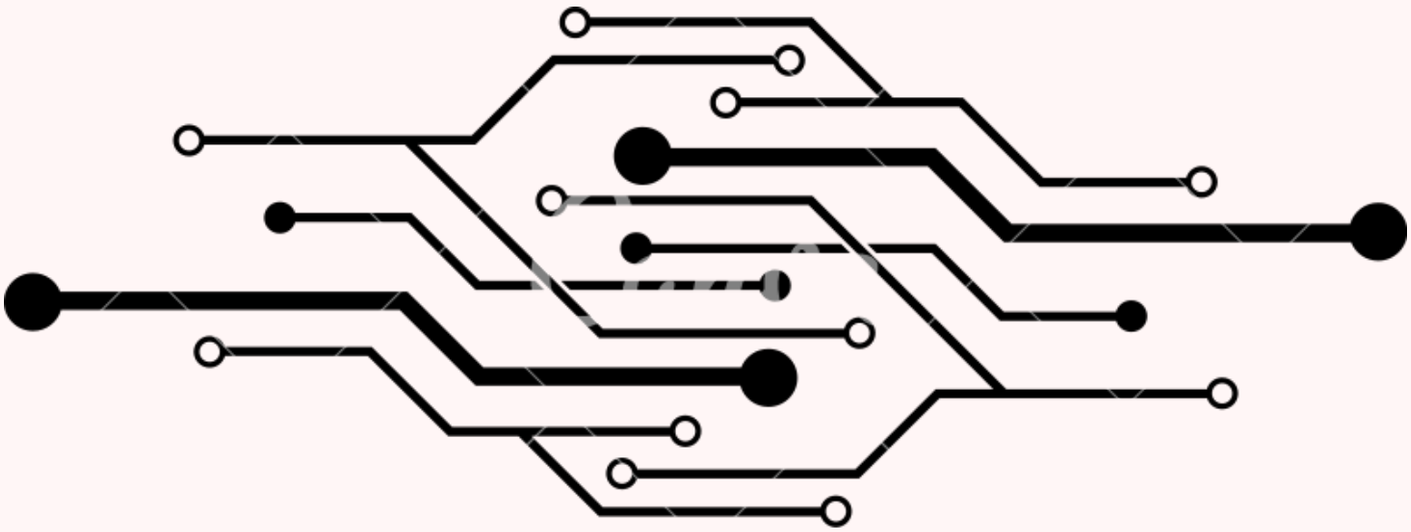
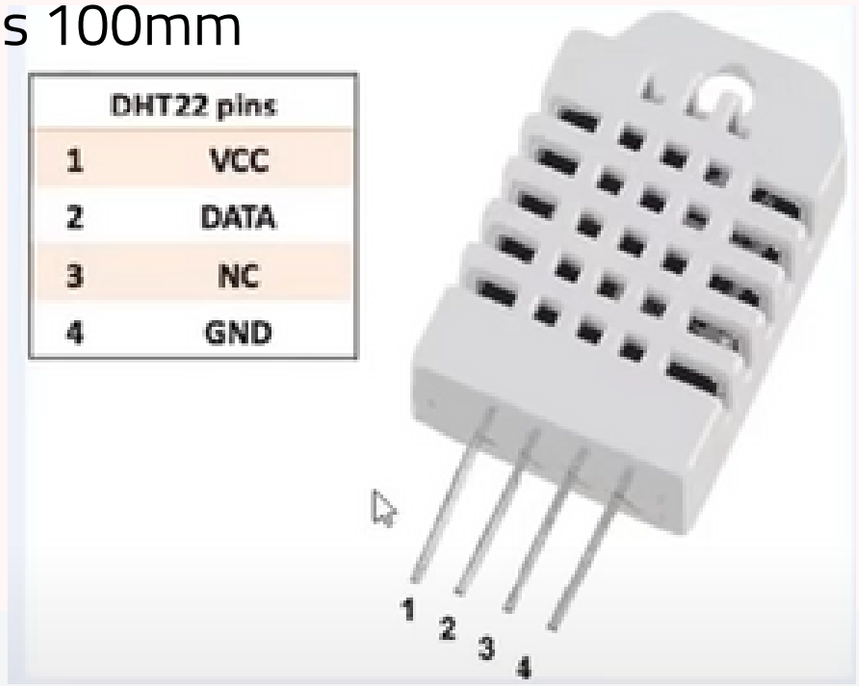


AIRCONDITIONING SYSTEM

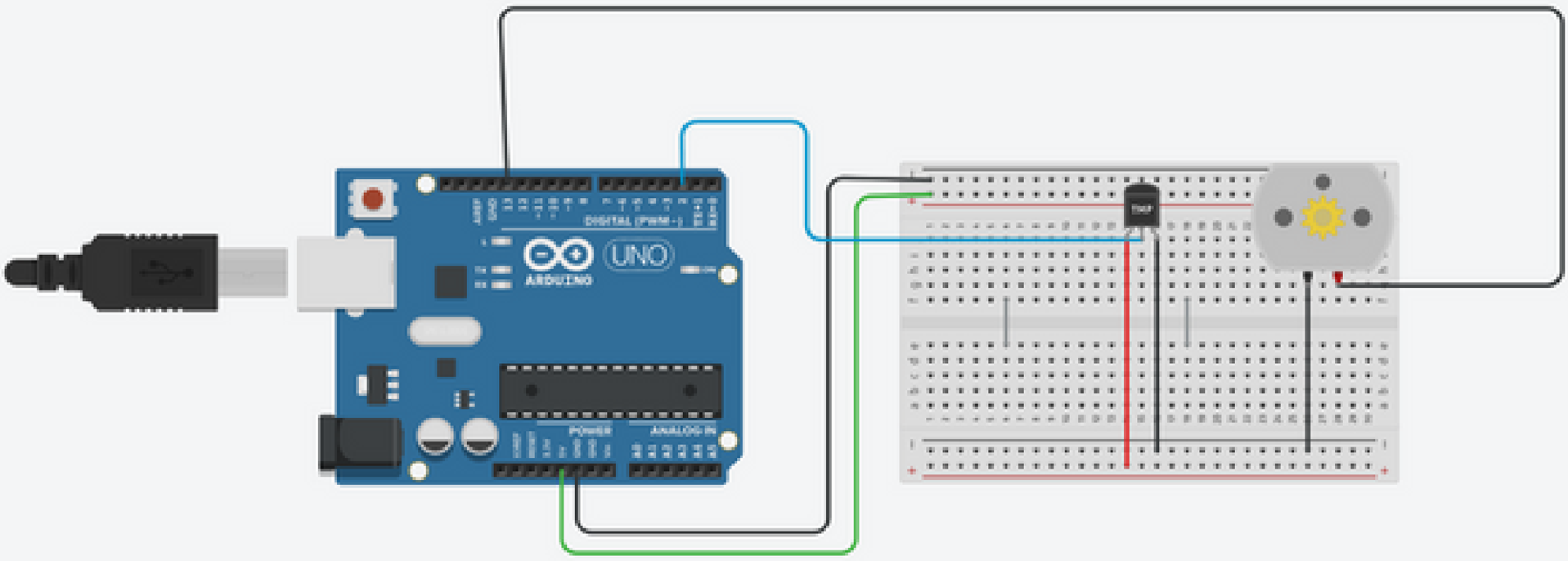
Air Condiotioning System :

- DHT22 Digital Temperature and Humidity Sensor
- F130 DC motor 5v
- Plastic Propeller 4 Blades 100mm

DHT22 pins	
1	VCC
2	DATA
3	NC
4	GND



simulation :



Assume that TMP-> DHT22

The scenario

#our System is designed to cooling the atmosphere if the temp is high .

1\ when our DHT22 sensor recorded that temperature rises -> Order the motor with fan to fire .

2\ DHT22 measured a rang of -40 to 120 c , so that We must determine the rang that we will use .

3\ We will choose the rang of 0 to 70, **Why ?**

4\ Because in rang of less than 0 -> we will not take an action (as we design the system for cooling only)

5\ In rang of 0 to 25 ->still not taking an action

6\ In rang of 25 to 70 -> Fire the motor .

7 \ In rang of more than 70 -> their are 2 conditions

1) The motor is working -> shut down it immediately (their is a fire).

2) the motor not working -> don't take action .