

TABLEFAN

Background

Days are getting hotter and hotter every day, and without air conditioner at kasan it is quite disturbing. With that in mind let's make a simple table fan with some modifications.

Specification

Build a table fan. The specifications are:

1. Can be turned on, and off
2. Have 4 mode (slow, medium, fast, auto)
Auto mode uses temperature sensor to changes the fan speed according to the temperature
3. Use a 16x2 LCD to show current mode and temperature
4. Product can be controlled both by button and wirelessly
5. User can also see the current mode and temperature wirelessly
6. Finish your final product with a simple but functional packaging

Challenge:

1. Show time on LCD
2. Rotatable controlled by button and wirelessly (rotatable as shown in picture)



Note:

Each point on specification acts as mini deadlines.

User Interface of Apps (or Blynk), packaging, and presentation affect the score given.

Challenge gives bonus point, but not mandatory. Challenge can be implemented freely (as creative as you can.)

Minimum requirement:

1. NodeMCU or Arduino
2. Temperature Sensor (DHT, LM35, etc.)
3. 16x2 LCD
4. Wireless Communication Module (if needed)
5. Blynk (making your own app is allowed)

Advice

There are a lot of tutorials you can find on the internet so try your best!

Your team may have consultation to client, either technical or not.

Have fun. Any question? Contact me

Client contact Line: @yash.faith