VITAL SIGNS GUIDANCE

Background

Vital signs reflect essential body functions, including the heartbeat, breathing rate, temperature, and blood pressure. By knowing the vital signs, we can check our level of physical functioning.

Specification

Build a device to integrate several vital signs measurement.
The specifications are :

1. Can be turned on, and off.
2. Temperature and heartbeat are a must to be measured.
3. Show the value of the vital signs.
4. The electrode should be safe for human's body.
5. Make a functional and simple packaging.

Challenge

1. Built a complete measurement of the four vital signs.

Note

Challenge gives bonus point, but not mandatory.

For each vital sign has many different methodes to be measured. You can choose the most feasible methode to be implemented.

You can build on a breadboard if you think the packaging are difficult. The functionality is the main requirement.

Minimum Requirement

1. Arduino
2. Temperature sensor (LM35, DHT, etc.)
3. Pulse heart rate sensor
4. 16x2 LCD

Advice

You can find all about the project (tutorials and information about vital signs measurement) on the internet. Just do it ikhlasly and make it fun ^^

To have consultation, just contact the client at line account @navilaaf or phone number 085231602732.