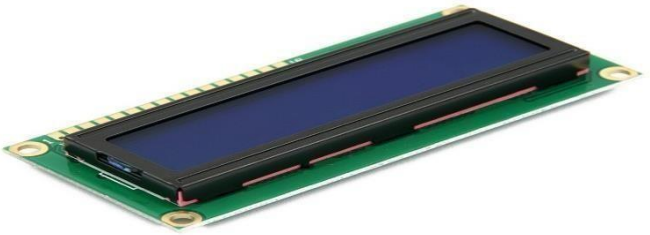
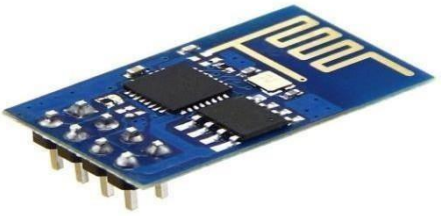
1. **16x2 LCD (Liquid Crystal Display):**



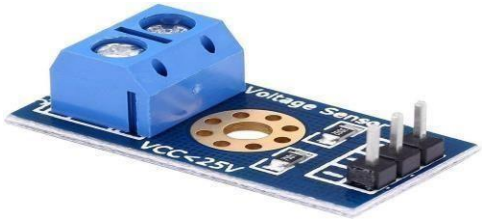
This is a common display module that can show 16 characters per line and has two lines. It's often used for showing simple text based information.

2. **ESP8266 Wi-Fi Module:**



The ESP8266 is a popular Wi-Fi module used for connecting projects to the internet. It can be programmed using the Arduino IDE and is capable of sending and receiving data over Wi-Fi.

3. Voltage and Current Sensors:



These sensors are used to measure the voltage and current in your system. They can provide data for monitoring and controlling the power consumption of your devices.

4. DHT11 Sensor:

The DHT11 is a basic temperature and humidity sensor. It can be used to monitor environmental conditions in your project.

5.LDR (Light Dependent Resistor) Sensor:

An LDR is a light sensor that changes its resistance based on the amount of light it detects. It can be used to detect ambient light levels in your project.

5. Arduino Uno:

The Arduino Uno is a popular microcontroller board based on the ATmega328P. It's often used for prototyping and projects that require a small amount of I/O pins and processing power.

6. Solar Panels:

Solar panels are used to convert sunlight into electrical energy. They can be used to power your project or charge batteries for energy storage