

# BILL OF MATERIALS

By Naveen PS



# Bill of Materials

Component Name	Quantity	Buy Link (International)*
Raspberry Pi	1	<a href="https://www.amazon.com/ELEMENT-Element14-Raspberry-Pi-Motherboard/dp/B07P4LSDYV/">https://www.amazon.com/ELEMENT-Element14-Raspberry-Pi-Motherboard/dp/B07P4LSDYV/</a>
MicroSD Card – 16GB	1	<a href="https://www.amazon.com/SanDisk-Ultra-microSDXC-Memory-Adapter/dp/B073JWXGNT/">https://www.amazon.com/SanDisk-Ultra-microSDXC-Memory-Adapter/dp/B073JWXGNT/</a>
Power Supply	1	<a href="https://www.amazon.com/OKRAY-Charger-Portable-Charging-Compatible/dp/B07LBMVLVQN/">https://www.amazon.com/OKRAY-Charger-Portable-Charging-Compatible/dp/B07LBMVLVQN/</a>
ESP8266 Dev. Board	1	<a href="https://www.amazon.com/Version-Internet-Development-Wireless-Micropython/dp/B07R4MVSZY/">https://www.amazon.com/Version-Internet-Development-Wireless-Micropython/dp/B07R4MVSZY/</a>
Micro USB Cable	2	<a href="https://www.amazon.com/Amazon-Micro-USB-designed-tablets-readers/dp/B0741WGQ36/">https://www.amazon.com/Amazon-Micro-USB-designed-tablets-readers/dp/B0741WGQ36/</a>
Red LED**	2	<a href="https://www.amazon.com/EDGELEC-Diffused-Resistors-Included-Emitting/dp/B077X95F7C/">https://www.amazon.com/EDGELEC-Diffused-Resistors-Included-Emitting/dp/B077X95F7C/</a>
Green LED**	2	<a href="https://www.amazon.com/100pcs-Ultra-Bright-Emitting-Diffused/dp/B01GE4WGTS/">https://www.amazon.com/100pcs-Ultra-Bright-Emitting-Diffused/dp/B01GE4WGTS/</a>
DHT11	1	<a href="https://www.amazon.com/Temperature-Humidity-Sensor-Arduino-Raspberry/dp/B07T7ZR7MS/">https://www.amazon.com/Temperature-Humidity-Sensor-Arduino-Raspberry/dp/B07T7ZR7MS/</a>
Breadboard	1	<a href="https://www.amazon.com/EL-CP-003-Breadboard-Solderless-Distribution-Connecting/dp/B01EV6LJ7G/">https://www.amazon.com/EL-CP-003-Breadboard-Solderless-Distribution-Connecting/dp/B01EV6LJ7G/</a>
MB102 Power Supply**	1	<a href="https://www.amazon.com/HiLetgo-Supply-Module-Prototype-Breadboard/dp/B00HJ6AE72/">https://www.amazon.com/HiLetgo-Supply-Module-Prototype-Breadboard/dp/B00HJ6AE72/</a>
FTDI USB to Serial	1	<a href="https://www.amazon.com/HiLetgo-FT232RL-Converter-Adapter-Breakout/dp/B00IJXZQ7C/">https://www.amazon.com/HiLetgo-FT232RL-Converter-Adapter-Breakout/dp/B00IJXZQ7C/</a>
ESP8266-01**	1	<a href="https://www.amazon.com/ESP8285-Wireless-Compatible-ESP8266-Certification/dp/B07XCNF1R8/">https://www.amazon.com/ESP8285-Wireless-Compatible-ESP8266-Certification/dp/B07XCNF1R8/</a>
Jumper Wire Set**	1	<a href="https://www.amazon.com/AUSTOR-Preformed-Breadboard-Assorted-Prototyping/dp/B07PQKNQ22/">https://www.amazon.com/AUSTOR-Preformed-Breadboard-Assorted-Prototyping/dp/B07PQKNQ22/</a>

HC SR04 Ultrasonic Sensor	1	<a href="https://www.amazon.com/SainSmart-HC-SR04-Ranging-Detector-Distance/dp/B004U8TOE6/">https://www.amazon.com/SainSmart-HC-SR04-Ranging-Detector-Distance/dp/B004U8TOE6/</a>
1K Resistor**	4	<a href="https://www.amazon.com/EEEE-Resistor-Compliant-resistors-Assortment/dp/B08BNDL6DS/">https://www.amazon.com/EEEE-Resistor-Compliant-resistors-Assortment/dp/B08BNDL6DS/</a>
10K Resistor**	4	<a href="https://www.amazon.com/EEEE-Resistor-Compliant-resistors-Assortment/dp/B08BNDL6DS/">https://www.amazon.com/EEEE-Resistor-Compliant-resistors-Assortment/dp/B08BNDL6DS/</a>
Assorted LED Set**	1	<a href="https://www.amazon.com/DiCUNO-450pcs-Colors-Emitting-Assorted/dp/B073QMYKDM/">https://www.amazon.com/DiCUNO-450pcs-Colors-Emitting-Assorted/dp/B073QMYKDM/</a>
100nF Capacitor **	1	<a href="https://www.amazon.com/Tegg-Monolithic-Capacitors-10PF-100NF-Electronic/dp/B07MFPM217/">https://www.amazon.com/Tegg-Monolithic-Capacitors-10PF-100NF-Electronic/dp/B07MFPM217/</a>

*\*Check with your domestic online electronic stores before ordering from global online stores. You might get the components more quickly if ordered from domestic sellers. Also, these links might render useless if the seller removes the item from the online shop.*

*\*\*These are cheaper when ordered in bulk, and you will be needing extra components for the later sections.*

# THE END