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| **S.NO** | **NAME** | **IMAGE** | **DESCRIPTION** |
|  | Arduino mega 2560 |  | The **Arduino Mega 2560** is a microcontroller board based on the ATmega2560. It has 54 digital input/output pins (of which 15 can be used as PWM outputs), 16 analog inputs, 4 UARTs (hardware serial ports), a 16 MHz crystal oscillator, a USB connection, a power jack, an ICSP header, and a reset button. |
|  | Ultrasonic sensor HC-SR04 |  | Measuring Angle: 30 degree. Trigger Input Pulse width: 10uS. Dimension: 45mm x 20mm x 15mm. |
|  | Bluetooth module HC-05 |  | frequency: 2.4GHz ISM band  Modulation:GFSK(Gaussian Frequency Shift Keying)  Speed: Asynchronous: 2.1Mbps(Max) / 160 kbps, Synchronous: 1Mbps/1Mbps  Security: Authentication and encryption  Profiles: Bluetooth serial port  Power supply: +3.3VDC 50mA  Dimension: 26.9mm x 13mm x 2.2 mm |
|  | Motors driver L298N |  | Motor channel:2  Max operating voltage:  46v |
|  | weight sensor |  | Load cell material: Aluminum   * Platform size: 350x350mm * Connecting cable: ø4.2x350mm * Method of connecting wire: Red(+),Black(-),Green(+),White(-) |
|  | GPS module NEO-6M |  | Rechargeable battery forbackup  Supply voltage: 3.3 V |
|  | Relay |  | number of times a **relay** can operate under no load or light load conditions where contact wear, **relay** temperature and forces acting on the moving parts are simply the result of mechanical activation |
|  | Jumper wire |  | Male header contacts on both ends.   * Length: 200mm (7.87") * **Wire** Colors: brown, red, orange, yellow, green, blue, purple, grey, white, black (each **cable** includes 4 of each color) |
| 9. | Gear motor |  | **gearmotor** is a pairing of **gear** reducer and ac or dc electrical **motor**. The **gear** and the **motors** are combined into one unit. A **gearmotor** delivers high torque at low horsepower or low speed. The speed **specifications** for these **motors** are normal speed and stall-speed torque |