

Software and Hardware List

Chapter number	Software/hardware required (With version)	Hardware specifications	OS required
1	Paper clip -1, copper wire, lemon	-	-
2	Arduino IDE 1.5.x	-	Windows/Mac/Linux
3	Balloon, a pot, a plant, 2 wires, scissors ,scale, 2 iron nails, Arduino ,breadboard, resistor , jumper wires, Arduino 1.5.x	Resistor 10K Ohm, Arduino Uno	Windows/mac/linux
4	Arduino board, Arduino 1.5.x	Arduino uno	Windows/mac/linux
5	Arduino board, breadboard, push button, LED, resistor, LDR	Resistor 10K Ohm, push button, external LED	Windows/mac/linux
6	Arduino,piezo buzzer,breadboard, Jumper wires, 9V battery and Clip Arduino IDE 1.5.x and above	Arduino UNO, Arduino compatible wireless internet shield	Windows/Mac/Linux
7	Arduino, ultrasonic sensor (HC-SR04, LED's,breadboard, Jumper wires, 9V battery and Clip Arduino IDE 1.5.x and above	Arduino UNO, HC-SR04 ultrasonic sensor	Windows/Mac/Linux
8	Arduino, LDR, LED's,breadboard, Jumper wires, 9V	Arduino Uno	Windows/Mac/Linux

	battery and Clip Arduino IDE 1.5.x and above		
9	Arduino, ultrasonic sensor (HC-SR04, Servo Motor,breadboard, Jumper wires, 9V battery and Clip Arduino IDE 1.5.x and above	Arduino Uno HC-SR04 ultrasonic sensor, small servo motor preferably 9G	Windows/Mac/Linux
10	Arduino, Iron Nails,breadboard, Jumper wires, 9V battery and Clip , soldering iron and solder Arduino IDE 1.5.x and above	Arduino Uno, Iron nails	Windows/Mac/Linux