Chapter number	Software required (With version)	**Hardware specifications**	OS required
01	• Raspbian Stretch LITE, November 2017, Kernel Version 4.9 • Git core • WiringPi • Blynk libraries • nano	• Raspberry Pi 3 (Raspberry Pi 1 and 2 also works)	
02	• Raspbian Stretch LITE, November 2017, Kernel Version 4.9 • nano	• Raspberry Pi 3 board • A Breadboard • An LED - Basic Red 5mm (https://www.sparkfun.com/products/9590) • A 330 Ohm 1/6 Watt PTH resistor (https://www.sparkfun.com/products/11507) Color Code Orange, Orange, Brown, Gold. • Two Male-Female jumper wires	Raspbian Stretch LITE
03	• Raspbian Stretch LITE, November 2017, Kernel Version 4.9 • nano	• Raspberry Pi 3 board • 1 x RGB LED with common cathode (https://www.sparkfun.com/products/105) • 3 x 220 Ohm resistors • Small breadboard • Few hookup wires	Raspbian Stretch LITE
04	• Raspbian Stretch LITE, November 2017, Kernel Version 4.9 • nano	• A potentiometer • Breadboard • Few hookup wires • A momentary push button	Raspbian Stretch LITE
05	• Raspbian Stretch LITE, November	• Raspberry Pi • Momentary push button • Breadboard	Raspbian Stretch LITE

	2017, Kernel Version 4.9 • nano	• Hookup wires	
06	• Raspbian Stretch LITE, November 2017, Kernel Version 4.9 • nano	-	Raspbian Stretch LITE
07		• Raspberry Pi 3 board	Raspbian Stretch LITE
08	• Raspbian Stretch LITE, November 2017, Kernel Version 4.9 • nano	• Any 2-wheeled drive chassis kit with a caster ball/wheel • Raspberry Pi 3 board • TB6612FNG Dual Motor Driver Carrier (https://www.pololu.com/product/713) • 2 x DC gear motors • 5V USB battery pack • 4 x Rechargeable NiMH AA Battery, 1.2 V, 2200 mAh (https://www.pololu.com/product/1003) • 4-AA Battery Holder (https://www.pololu.com/product/1153)	Raspbian Stretch LITE