# Block Diagram:

L5

L4

L2

L3

L1

B is button

L is led

# Description:

For each part of the bodi we will have a nutton and LED:

2 hands

2 Legs

1 head

# Code:

Sets of training

## Training 1:

B1 then L1 ……

Component List:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Comp Name | Description | Price in L.E | $ | Num | Total | Total $ |
| ESP-32S 30Pin | ESP-32S 30Pin Development Board WiFi Bluetooth with New CP2102 Chip | 300.00 | 6 | 2 | 600 | 12 |
| USB Micro Cable | USB Micro Cable Shielded 1.4m | 75.00 | 1.5 | 2 | 150 | 3 |
| Breadboard | BB-01 Breadboard 830 Tie Point | 40 | 0.8 | 2 | 80 | 1.6 |
| Push Button | Press 4pin 12x12x8 mm Tack Switch Standard Stem | 1.5 | 0.03 | 10 | 15 | 0.3 |
| LED | LED 3mm (Red and green) | 0.5 | 0.01 | 20 | 10 | 0.2 |
| Battery 9V TOSHIBA | Battery 9V TOSHIBA | 45 | 0.9 | 2 | 90 | 1.8 |
| Battery Holder 9V | Battery Holder 9V | 15 | 0.3 | 2 | 30 | 0.6 |
| L7805CV | L7805CV - Original ST Positive Voltage Regulator 5V | 10 | 0.2 | 2 | 20 | 0.4 |
| Wires | PH60 61 62 | 35 | 0.7 | 3 | 105 | 2.1 |
| Resistors | Ohm Resistor 10k | 0.2 | 0.004 | 25 | 5 | 0.1 |
| Oled | OLED 1.3" 4pin LCD Display Module I2C IIC Communicate OLED 1.3 inch 128x64 Pixe | 265 | 5.3 | 1 | 265 | 5.3 |

The total is 1370.