




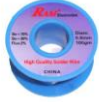


List of components required for each student

| Name of Component | Number |
|---|--|
| STM32F103C8T6 - STM32 Development Board original IC (The Blue Pill) |  |
| IMU MPU6050 “3-axis Acceleration Gyroscope Module” |  |
| DC motor | 1 |
| Coupler or Servo motor |  |
| L289 H-bridge driver module | 1 |
| ADC 0808 | 1 |
| Bread board | 1 |
| Resistor 330 ohm | 15 |
| Resistor 220 ohm | 10 |
| Resistor 1k ohm | 10 |
| Push buttons | 5 |
| Battery 9VDC | 2 |
| Potentiometer 10k | 2 |
| LEDs | 15 |
| Voltage regulator LM 7805 | 2 |
| Power supply (Adaptor) | 1 |
| Cables for connections | Some |
| Male-Male cables | Some |
| ST-LINK V2 (STM8 / STM32 Programmer) (Shareable) |  |

| | |
|-------------------------------|--|
| Soldering Iron (Shareable) |  |
| Tin for soldering (Shareable) |  |
| Sandpaper (Shareable) | |