# ROBOT DÒ LINE TRÁNH VẬT CẢN

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## 1. Thành phần cấu tạo



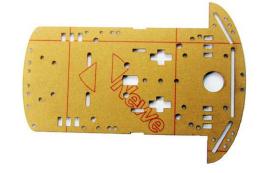
Servo sg90

Ultrasonic sensor

## 1. Thành phần cấu tạo

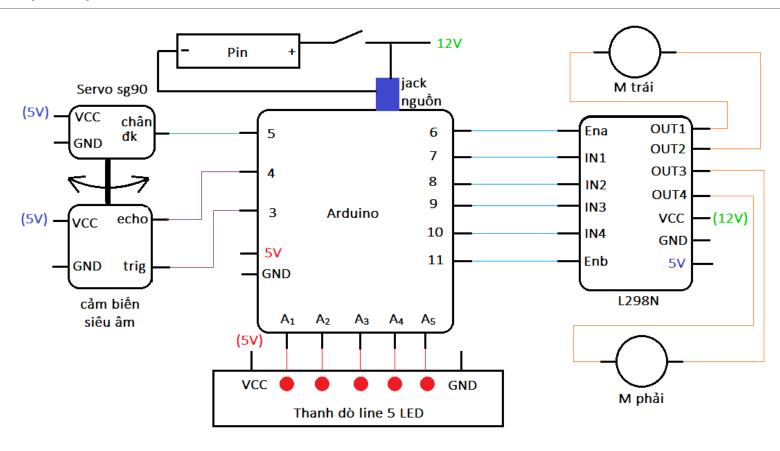




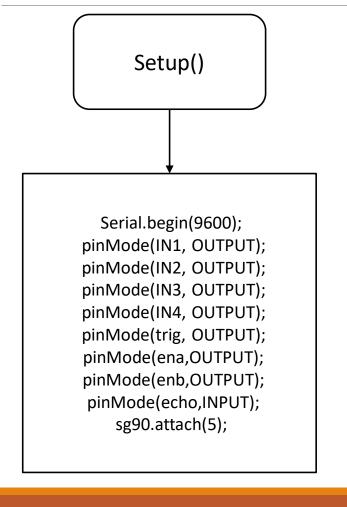


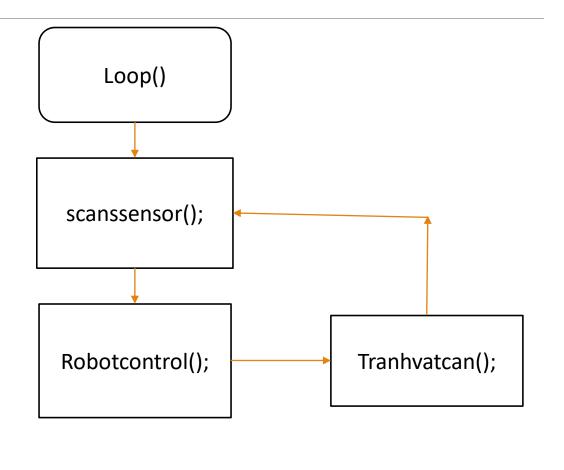


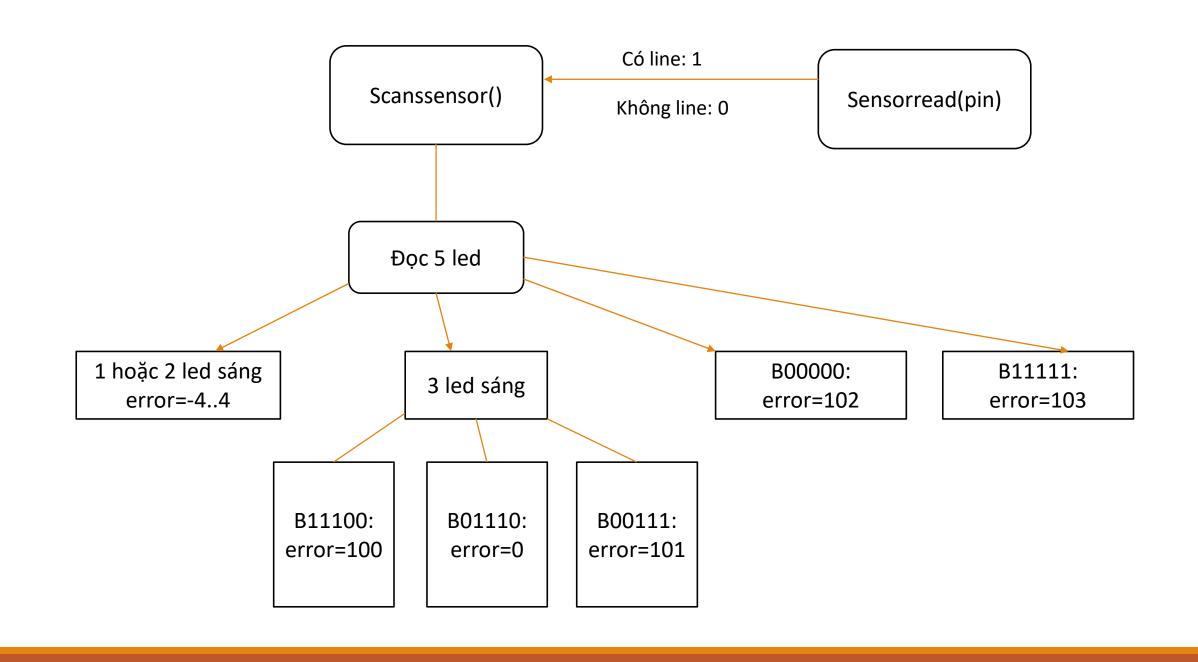
## 2. Sơ đồ lắp ráp

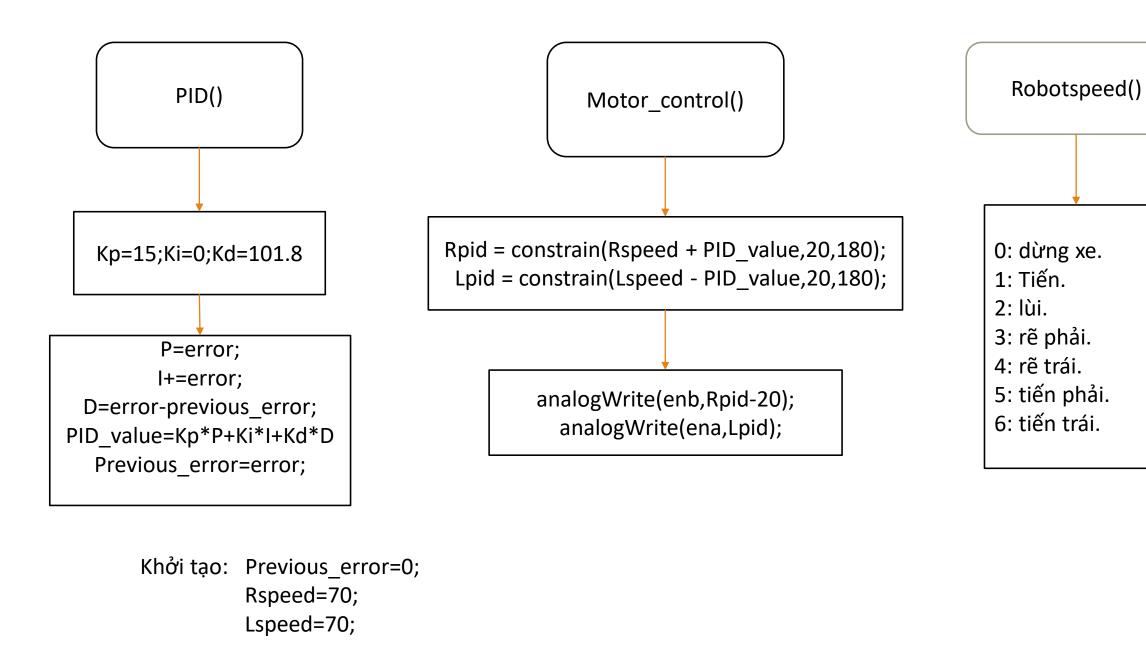


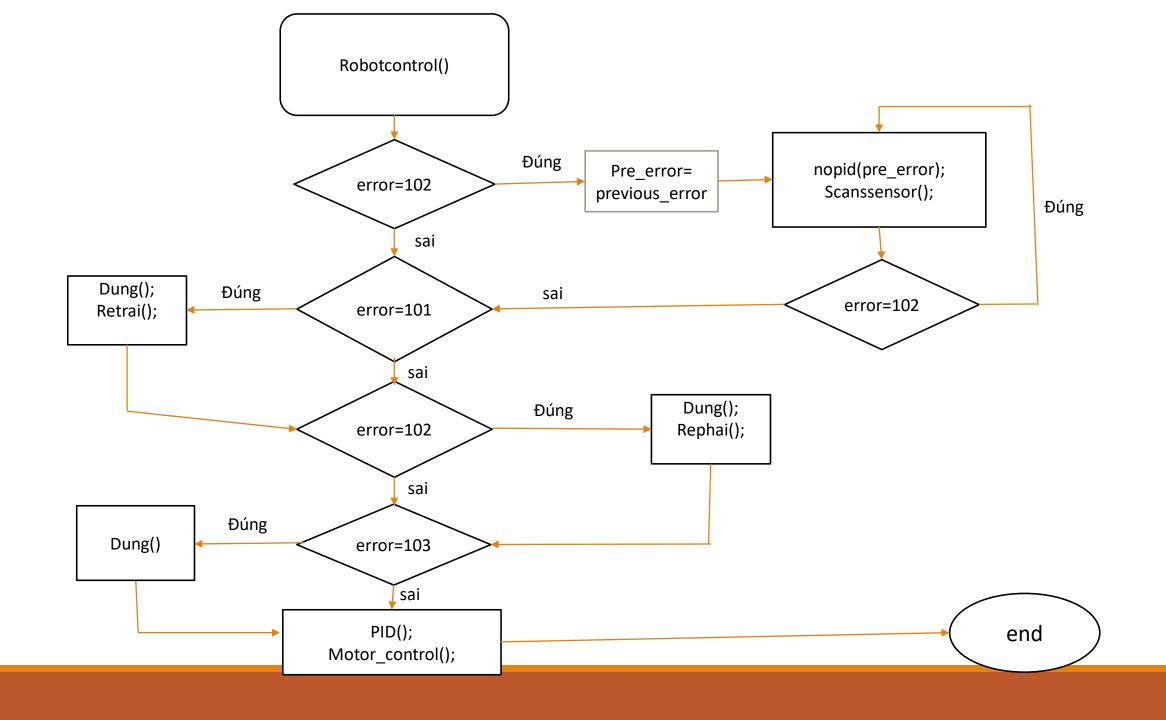
#### 3. Thuật toán











Int measuredistance (byte angle)

```
unsigned long t;
int d;
digitalWrite(trig, 0);
delayMicroseconds(2);
digitalWrite(trig, 1);
delayMicroseconds(5);
digitalWrite(trig, 0);
t=pulseIn(echo,HIGH);
d=int(t*0.017);
return d;
```

