

Smart DustBin Code :

```
Servo servoMain;
int trigpin = 9;
int echopin = 8;
int distance;
float duration;
float cm;

void setup()
{
  servoMain.attach(7); //
  pinMode(trigpin, OUTPUT);
  pinMode(echopin, INPUT);
}

void loop()
{
  digitalWrite(trigpin, LOW);
  delay(2);
  digitalWrite(trigpin, HIGH);
  delayMicroseconds(10);
  digitalWrite(trigpin, LOW);
  duration = pulseIn(echopin, HIGH);
  cm = (duration/58.82);
  distance = cm;

  if(distance<30) { servoMain.write(180); // delay(3000); } else{ servoMain.write(0);
  delay(50); } }
```