***(Code)***

***Obstacle Detector***

void setup()

{

Serial.begin(9600);

pinMode(10, INPUT);

pinMode(9,OUTPUT);

}

void loop()

{

digitalWrite(9,LOW);

delayMicroseconds(2);

digitalWrite(9, HIGH);

delayMicroseconds(10);

digitalWrite(9, LOW);

long time= pulseIn(10, HIGH);

int distance= 0.017\*time;

Serial.print("Distance:");

Serial.print(distance);

Serial.println("cm");

}