

/*

MDB Electrosoft Pvt. Ltd. Amravati

Presenting...

Automatic Hand Sanitizing Machine

*/

#define Trigger 8

#define Echo 9

long Duration,Distance;

int IN1=7; // Relay

int LED=2; // Blue LED's For Nozzle

int indicator= 3; // Red Indicator LED

void setup()

{

Serial.begin(9600);

pinMode(Trigger,OUTPUT);

pinMode(Echo,INPUT);

pinMode (7,OUTPUT);

pinMode (2,OUTPUT);

pinMode (3,OUTPUT);

digitalWrite(3,1);

}

void loop()

{

digitalWrite(Trigger,0);

delayMicroseconds(2);

```
digitalWrite(Triigger,1);
delayMicroseconds(10);
digitalWrite(Triigger,0);
Duration=pulseIn(Echo,HIGH);
Distance=(Duration/2)/29.1;
Serial.print("Distance :");
Serial.print(Distance);
Serial.println("cm");
if (Distance<=15)
{
  digitalWrite(7,1);
  digitalWrite(2,1);
}
else
{
  digitalWrite(7,0);
  digitalWrite(2,0);
}
}
```