

Team Code :- PNT2022TMID09303

```
int buzz=4;

int pir=7;

int echo=5; int trigg=6;

int pir_led=12;

int us_led=13;

int time ;

int dist;

void setup()
{ Serial.begin(9600);
  pinMode(pir_led, OUTPUT);
  pinMode(us_led, OUTPUT);
  pinMode(buzz, OUTPUT);
  pinMode(pir, INPUT);
  pinMode(echo, INPUT);
  pinMode(trigg, OUTPUT);
}

void loop() {
  if (digitalRead(pir)==HIGH)
  {
    Serial.println("There is a person...");
    digitalWrite(pir_led,HIGH);
    delay(1000);
  }
  digitalWrite(pir_led,LOW);
  digitalWrite(trigg,HIGH);
  delayMicroseconds(10);
  digitalWrite(trigg,LOW);
  time=pulseIn(echo,HIGH);
  dist= (time*0.034)/2;
```

```

if (dist<=50)
{
  Serial.println("A person Near...");
  digitalWrite(us_led,HIGH);
  analogWrite(buzz,HIGH); delay(1000);
} else {
  digitalWrite(us_led,LOW);
  analogWrite(buzz,LOW);
  delay(1000);
}
}

```

