**CODE FOR ARDUINO**

**Digital visitor counter (Mayank saini 77, Naveen kumar sah 88) IT-2**

#include<LiquidCrystal.h>

LiquidCrystal lcd(2,3,4,5,6,7);

#define in 8

#define out 9

#define Led 10

int count=0;

void setup()

{

lcd.begin(16,2);

lcd.print("Visitor Counter");

delay(2000);

pinMode(in, INPUT);

pinMode(out, INPUT);

pinMode(Led,OUTPUT);

lcd.clear();

lcd.print("Person In Room:");

lcd.setCursor(0,1);

lcd.print(count);

}

void loop()

{

int in\_value = digitalRead(in);

int out\_value = digitalRead(out);

if(in\_value == LOW)

{

count++;

lcd.clear();

lcd.print("Person In Room:");

lcd.setCursor(0,1);

lcd.print(count);

delay(1000);

}

if(out\_value == LOW)

{

count--;

lcd.clear();

lcd.print("Person In Room:");

lcd.setCursor(0,1);

lcd.print(count);

delay(1000);

}

if(count==0)

{

lcd.clear();

digitalWrite(Led, LOW);

lcd.clear();

lcd.print("Nobody In Room");

lcd.setCursor(0,1);

lcd.print("Lights Off");

delay(200);

}

else

{

digitalWrite(Led, HIGH);

}

}