Ex: 13 IR Sensor

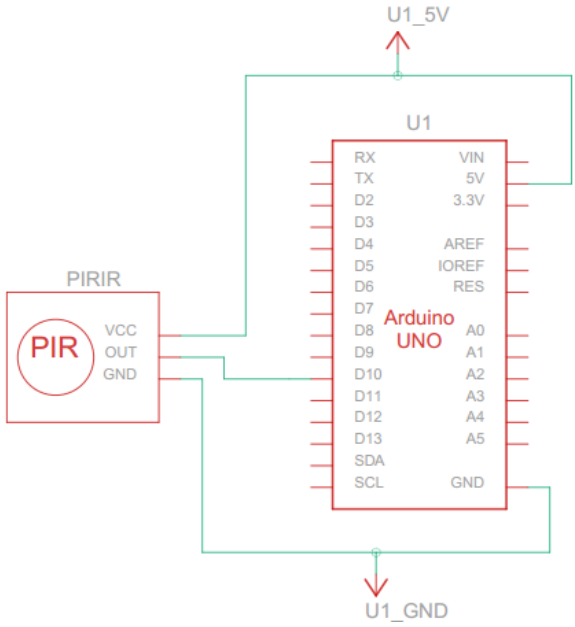
Aim:

To implement IR Sensor Analog Input using Arduino Uno.

Components Required:

- Arduino Uno Board
- IR Sensor
- Jumpers

Circuit Connection:



Pin Connections between PIR Sensor and Arduino UNO

PIR Sensor	Arduino UNO Pin
Ground	Ground
OUT	D10
Power	+5V

Sketch

```
//int LEDpin = 13;
int obstaclePin = 10;
int hasObstacle = LOW; // LOW MEANS NO OBSTACLE
void setup()
{
  pinMode(obstaclePin, INPUT);
  Serial.begin(9600);
}
void loop()
{
  hasObstacle = digitalRead(obstaclePin);
  if (hasObstacle == HIGH)
  {
    Serial.println("Stop something is ahead!!");
  }
  else if (hasObstacle == LOW)
  {
    Serial.println("Path is clear");
    //digitalWrite(LEDpin, LOW);
  }
  delay(200);
}
```

Result:

Thus Arduino Uno board is utilized to implement IR Sensor.