NIELIT, Gorakhpur

Course Name: A-level (1st Sem.) Subject:IoT

Topic: PIR Sensor Interfacing with Arduino UNO Date: 30.03.2020

Possible outputs from PIR sensor module

The PIR sensor module has got only one digital output mode. So, it has only 2 possible output values – either a HIGH or a LOW. By default, standards, when there is no object inside the range of PIR sensor it outputs a LOW value or 0V at output. When an object is identified inside the range of PIR sensor it immediately outputs a HIGH value or +5V at output.

The Program

```
int sensor=7; //The output of PIR sensor connected to pin 7
int sensor_value; //variable to hold read sensor value

void setup()

{
pinMode(sensor,INPUT); // configuring pin 7 as Input
Serial.begin(9600); // To show output value of sensor in serial monitor
}

void loop()

{

sensor_value=digitalRead(sensor); // Reading sensor value from pin 7
Serial.println(sensor_value); // Printing output to serial monitor
}
```

Exercise:

1. Write a program to turn on LED as some one come inside the room, else LED should be turned OFF.