ROBOTICS CAMP-2022

Session: 01, Class: 2nd

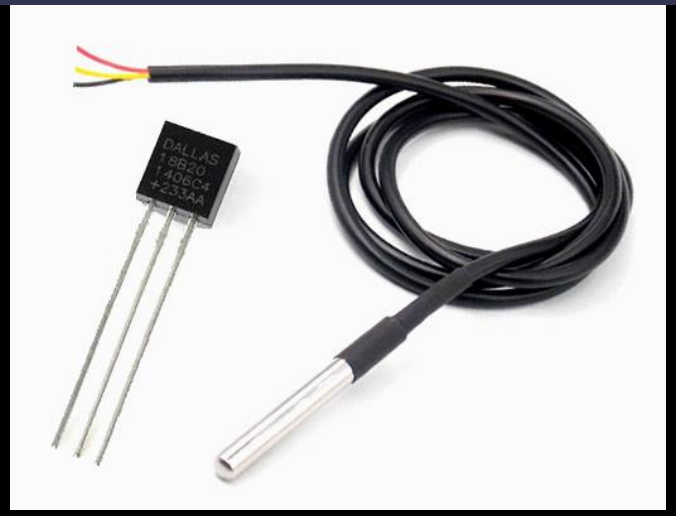
Fundamental theme of Automation

INPUT DEVICES

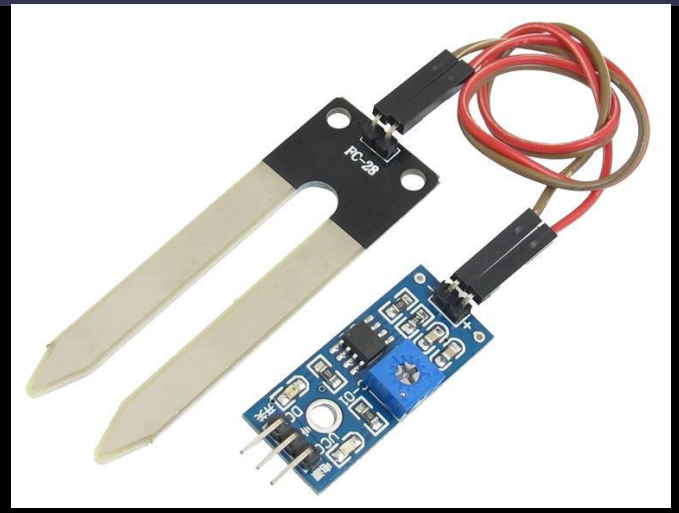
- Temperature Sensor
- Motion Sensor
- Light Dependent Resistor (LDR)
- Fire/ Flame Sensor
- Water Sensor
- Obstacle or IR Proximity Sensor

OUTPUT DEVICES

- Motor
- Lamp
- Fan
- Buzzer
- Pump

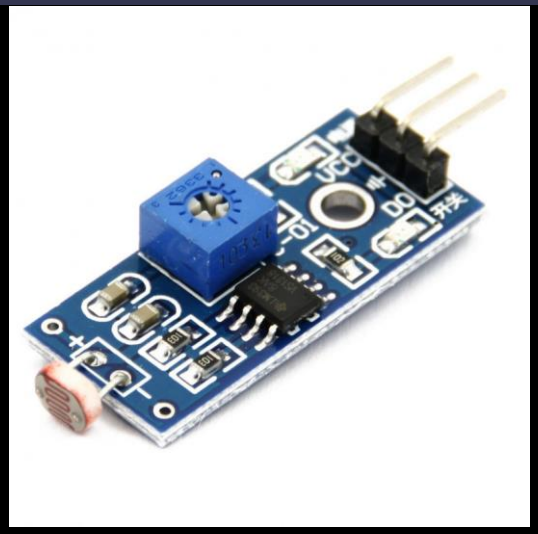


Temperature Sensor

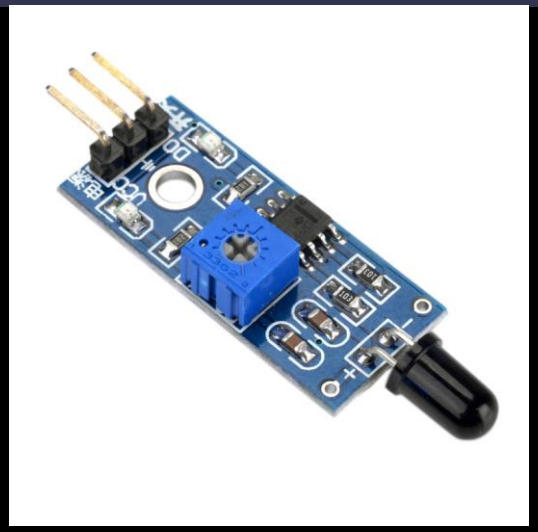


Moisture/Water Sensor

Motion Sensor



Light Sensor



Fire Sensor

Obstacle Sensor

Robotics & Automation
Project Idea Generation

INPUT DEVICES

- Temperature Sensor
- Motion Sensor
- Light Sensor
- Fire/ Flame Sensor
- Water Sensor
- Obstacle Sensor

OUTPUT DEVICES

- Motor
- Fan
- Buzzer
- Pump
- Lamp

Motion Sensor + Lamp

Automatic Indoor Lamp

If, Motion Sensor High - Lamp on
Else - Lamp off.

INPUT DEVICES

- Temperature Sensor
- Motion Sensor
- Light Sensor
- Fire/ Flame Sensor
- Water Sensor
- Obstacle Sensor

OUTPUT DEVICES

- Motor
- Fan
- Buzzer
- Pump
- Lamp

Motion Sensor + Buzzer

Automatic Thief Detector

If, Motion Sensor High - Buzzer on
Else - Buzzer off.

INPUT DEVICES

- Temperature Sensor
- Motion Sensor
- Light Sensor
- Fire/ Flame Sensor
- Water Sensor
- Obstacle Sensor

OUTPUT DEVICES

- Motor
- Fan
- Buzzer
- Pump
- Lamp

Light Sensor + Lamp

Automatic Street Lamp

If, Light Sensor High – Lamp off
Else – Lamp on.

TASKS

- Generate 10 Project Ideas.

Upload It on Facebook Community Group within Tomorrow, 7:00 PM

SAMPLE POST

Robotics Camp-2022

Batch-22101

Assignment-02

Full Name & ID Number

Idea 01: Motion Sensor + Lamp, Automatic Indoor Lamp

If, Motion Sensor High - Lamp on

Else - Lamp off.

Idea 02: ……

Idea 03:……

THANK YOU

SUKANTA SHARMA SHIPLOB

CHIEF COORDINATOR, ROBOMENT

NOTICE: QUIZ

Batch 22101 students

Equipment Collect with Security Fee

Three Set Question Paper (School, College, University)

Start from: January 18th, 2022 Right 9:00pm

Duration: 30min, Marks: 30

Pattern: MCQ, Short Questions

Syllabus: Camp Class 01 & Class 02 (Lecture & Assignment, Basic IQ)

Lab equipment box for first 200winners with BDT 2510 security money.

Have to pay within January 19th, 2022 to January 20th, 2022