



# PSG Institute of Technology and Applied Research

Department of Mechanical  
Engineering

is Organizing

A 3-Day Internship Programme on  
IOT & Sensor Interfacing.

**December 4-6 (Wed - Fri)**

## Registration Fee Details

Internship Intended for

Diploma, UG & PG Students Rs.1000/-  
(Suitable for all branches)

Faculty Rs.1500/-

Industry Personal Rs.2000/-

(Registration fee includes Course materials, A  
certificate, Lunch & Refreshments.)

## Payment Details

Demand Draft drawn in  
favour of 'PSG CNCE'

## For Queries

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## For Registration

Scan QR code or Visit Link Below

<https://forms.gle/5stYAtB8JtoS6vRs7>

Only Limited Slots are available !!!

Last Date for Registration 20th November 2019

For more details, Visit

[www.psgitech.ac.in](http://www.psgitech.ac.in)



# Programme Overview

The current digital world demands data at our finger tips. The 3-Day Internship on Sensor Interfacing and Internet of Things (IOT) delivers just that ! The Internship involves selecting appropriate sensors, Interfacing it with the computer, Signal processing, calibration and uploading data to the digital cloud. The programme provides the opportunity for the participants to work with the sensors hands on and to extract data from it to computer or even phone !

## Focus Areas

### Measurement of

- Temperature
- Displacement
- Vibration
- Natural Frequency
- Strain
- Flow velocity
- Sound etc.

### Course involves the usage of sensors

- Thermocouple
- RTD
- LVDT
- Accelerometer
- Strain Gauge
- Flow sensor
- Microphone
- Smart Camera etc

## Key Takeaways

On Participation, Participants will be able to

- Understand the working of Sensors
- Select Appropriate Data Acquisition system (DAQ)
- Write GUI Program in LabVIEW
- Interface sensors with the computer
- Communicate with the Actuators
- Record Digital Output of Sensors