

## **7. SENSOR BASED INSTRUMENTATION AND CONTROL**

CISST, Sardar Patel University, Vallabh Vidyanagar is planning to offer a short term course on **SENSOR BASED INSTRUMENTATION AND CONTROL**. Apart from lectures hands-on laboratory / practical sessions and on-site sessions for the testing, Identification, measurement and control criteria are the major components of this skill based add on certificate course.

### **COURSE CONTENT :**

Overview of basic sensors, Evolution of discrete sensors, To study the measurement of electronic sensors, Applications of different types of sensors  
To study the Instrumentation amplifier, different types of controller.

### **RESOURCE PERSONS :**

Technical experts from University Science Departments and USIC, Sardar Patel University will be assisting to conduct the programme.

### **TARGET AUDIENCE :**

Active and Interested UG/PG/Research level students of Science, BCA, MCA, M.Sc. communications, M.Sc. electronics, IT Electronics and others can participate in this course.

### **BENEFITS OF THE COURSE:**

The course can enable the participants to gain conceptual knowledge in the field of electronics and control. It allows them to understand real time applications of the discrete sensors and can get exposure to develop practical skills to cope up with the market demand. After the successful completion of the course the candidate can start developing small projects on need basis.

**COURSE DURATION :** 30 Hours

**Minimum No. Of Registration reqrd:** 20

**Contact details & Enquiry for Registration :** Email: [swamibhavin@gmail.com](mailto:swamibhavin@gmail.com),  
[cisst\\_head@spuvvn.edu](mailto:cisst_head@spuvvn.edu)