



**GTU - Centre for
Continuing Education
and GDEC, Navsari**

GTU Approved Short Term Course

“Instrumentation and Control in Process and Manufacturing Industry”

Organized by



Electrical Engineering Department of
GIDC Degree Engineering College, Navsari

Address

Block No.997, Village Abrama, Tal. Jalalpore
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In association with



Patron

Dr. Neeraj D. Sharma
Principal, GIDC Degree Engineering College
Abrama, Navsari

Convenor

Dr. Rakesh J. Motiyani
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GDEC, Abrama, Navsari

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Resource Persons (Aarti Industries Ltd.)

Mr. Vinod Patil
(Head of Electrical, Instrumentation and Civil)

Mr. Narveer Bhati
(HR Head)

Mr. Abhishek Sharma
(Sr. Manager Instrumentation)

Mr. Khushwant Jain
(Manager Instrumentation)

Mr. Indrajit Das
(Sr. Manager Instrumentation)

Mr. Vinod Chopda
(Manager Instrumentation)

Mr. Piyush Upadhyay
(Assistant Manager Instrumentation)

Trainer

Prof. Mohan Patel
(PLC- SCADA)

Course Fees

- ₹9000/- (fee can be paid in **3 installments**)
- **Course fees includes transportation cost of visits at Aarti Industries during the course.**
- Maximum Participation: 30 (first-come-first-serve basis)

Duration

120 Hours-6 Weeks
(20 hours of interaction per week)



Apply Online

Registration link: -
<https://forms.gle/aAaBCiwN8zfgfzqb8>

Important Dates

- Last date for Online Registration:
20th February, 2021
- Tentative Course Duration:
1st March-15th April, 2021

GTU - Centre for Continuing Education (GTU-CCE)

Gujarat Technological University (GTU) has established Centre for Continuing Education (CCE) for different target groups, ranging from professionals, students, faculty members, and community members at large, to enable them to develop their skills, increase their employability and provide them with the opportunities to become entrepreneurs. Various GTU-CCE approved courses are being run.

GDEC, Navsari

GIDC Degree Engineering College (GDEC) at village Abrama, Navsari, is a joint venture of Government of Gujarat & Gujarat Industrial Development Corporation (GIDC), Gandhinagar under the Public Private Partnership (PPP) scheme. The institute was established in 2012 and is managed by GIDC Education Society, Gandhinagar. The institute offers UG courses in Electrical, Mechanical, Civil, Automobile and Computer Engineering. The institute is approved by AICTE, New Delhi and affiliated to GTU, Ahmedabad.

The vision of the institute is to grow as a premier education and research institute in the field of engineering with global view point and serving with world class standards conferring excellence to the engineering products through dedicated and competent engineers.

About The Course

Earlier instrumentation and control were mechanical in design. Since few decades, manufacturing and process industries are continuously switching to the digital and advance instrumentation with electrical automation systems.

This short term course will upgrade fresh engineers and make them familiar with the latest changes in the field of industrial instrumentation and control. Advanced instrumentation and automation in industrial workplace provides the advantages of improving productivity and quality, reducing errors and waste with safety. Also, advanced industrial instrumentation and automation yields increased reliability and profitability.

The objective of this short term course is to upgrade technical skills of fresher diploma and degree engineers as per the needs of industries and to make them employable engineers. This course will nurture fundamental & advanced concepts in the era of industrial instrumentation and automation and also make students capable of developing solutions for the engineering problems in the society.

Who should attend?

Diploma/Degree Engineers of relevant field

Course Content

- Basic understanding on role of an engineer in industry
- Knowledge and understanding of measuring and testing instruments
- Realization of measuring system responses and instruments characteristics
- Familiarity with online measurement and control of various process parameters
- Understanding of process control equipment
- Understanding, selection and trouble shooting of environment monitoring instruments
- Practical exposure of plant control system: use of PLC SCADA and DCS
- Plant safety: fire suppression system, fire alarm, heat smoke detector, surveillance system and communication system
- Cables & Earthing systems used in industry
- Understanding and practical exposure of calibration, functional testing and preventive, breakdown, predictive maintenances
- Hands on practice on Industrial Instrumentation and control.
- Basic knowledge of behavioral skills

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