



Course Code : IA 06
Course Name : Basic Process Instrumentation
Course Duration : 40 Hrs (10 modules, each module is of 4 Hrs)
Maximum Duration : 3 weeks

Overview of the Course:

IIATCA is conducting a 40 Hrs hands on training on Basic Plan on Process Instrumentation for budding Instrumentation and electronics engineers who need to take up an industrial training after 6th semester of their academic curricula. Course focus is on Industrial Instrumentation basic concepts, design and development.

The participants will gain knowledge and will have the opportunity to practice in operation, testing and commissioning, of instrumentation systems, equipments etc.

Who should attend:

BE or Diploma Engineering students of final year or after completion, in Instrumentation and Electronics discipline.

Learning Outcome:

- Principle of operation of various thermocouples, thermocouple materials and color code
- Working principle of bimetallic, liquid filled, vapour type thermometers, bourdon gauge etc
- Connection of RTD's and thermocouple
- Familiarization of different types of temperature controllers along with PID
- Familiarization with manometers and C type bourdon gauge
- Calibration techniques of pressure gauges, RTD's etc
- PID applications, Control valve characteristics and sizing

Training Methodology: The course will be conducted as individually cared program with hands on practical training supported by lectures as and when necessary sometimes using Power Point Presentations, Candidates shall have to carry out necessary wiring and testing on their own under supervision of instructors.

Training Materials:

All the candidates shall be given a CD consisting of
1.Training Documents

**Certification:**

On completion of training, all candidates shall be evaluated by the authorities of International Institute for Advanced Training on Control and Automation and successful candidates shall only be issued certificates by them.

Institute operating Time: 10:00 am - 08:00 pm (Monday to Saturday)
10:00 am – 04:00 pm (Sunday)

Course Fees & Enrollment: Please Contact us through

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Phone : +(91) 98048 20351
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