



## Short Term Courses – NIELIT

### Books

recommended for  
reference and  
reading:

### REFERENCES

1. Distributed computer control for Industrial Automation, by: Popovic & Bhatkar, Dekker.
2. Process Dynamics and Control, by: Dale E seborg, John Wiley.
3. Process Control- Modeling, Design and Simulation, by: B.Wayne Bequette, PHI.
4. Chemical Process Control- Introduction to Theory and Practice, by: Stepano Paulose, PHI.
5. Standard Recommended Practices for Instrumentation & Control, Vol 1-3, 11<sup>th</sup> edition; Instrument Society of America.
6. Process Control Systems, application design and tuning, 3<sup>rd</sup> edition; by: F.G.Shinsky, McGraw- Hill.
7. Sensors, Transducers & LabVIEW an application approach to learning virtual instrumentation; by: Barry E. Paton; Prentice Hall PTR.
8. Microsensors: Principles and Applications; by: Gardner, J W, Wiley (1994)
9. Measurement Systems, Application and Design, 4<sup>th</sup> edition; by: Ernest O.Doebelin, McGraw- Hill.
10. Industrial Instrumentation Principles and Design, 1<sup>st</sup> edition; by:Tattamangalam. R.Padmanabhan, Springer Verlag.
11. Handbook of Transducers, 1<sup>st</sup> edition; by: Harry N.Norton, Prentice Hall.
12. Advances in Distributed Sensor Technology; by: S.S.Iyengar, L.Prasad, Hla Min; Prentice Hall PTR
13. Electronic Instrument Design, by: Kim R.Fowler; Oxford University Press.
14. Noise Reduction Techniques in Electronic Systems, by: Henry W.Ott; John Wiley & Sons.
15. Operational Amplifiers and linear integrated circuits, 3rd edition by: Robert F. Coughlin; Prentice Hall International, Inc
16. Learning With LabVIEW 7 Express by: Bishop, Robert
17. LabVIEW: Advanced Programming Techniques by Bitter, Rick
18. LabVIEW Signal Processing by: Chugani, Mahesh
19. LabVIEW Digital Signal Processing And Digital Communication by: Clark, Cory
20. Digital Signal Processing System-Level Design Using LabVIEW by: Kehtarnvaz, Nasser, Kim, Namjin
21. Image Acquisition And Processing With LabVIEW by: Relf, Christopher
22. Introduction to Programmable Logic Controllers, Dunning, Gary
23. Programmable Logic Controllers: Principles and Applications, Webb, John W
24. Programmable Controllers, Theory and Implementation, L. A. Bryan
25. Manuals of PLC (ABB, AB and Siemens), DCA and SCADA

In addition manufacturer's device data sheets and application notes are to be referred to get practical application oriented information.

**Group Code:** CADD                      **Group Name:** Autocad/ Industrial Automation

**Course Code:** PG01                      **Course Name:** PG Diploma in Industrial Automation System Design