



## NARAYANA ENGINEERING COLLEGE:: NELLORE

Muthukur Road, Nellore-524004

Approved by AICTE and Permanently Affiliated to JNTUA, Ananthapuramu,  
An ISO 9001:2008 Certified Institution, Recognized by UGC U/S 2(f) & 12(B) and  
"A" grade by Govt. of AP.

### Department of EIE

1	Name of the Activity/Event	Certificate Course in PLC-SCADA		
2	Date of Activity/Event	19-04-2018 to 23-04-2018		
3	Organized by/Name of the committee	Department of EIE		
4	Place of Activity/event	Narayana Engineering College, Nellore		
5	Resource person/guest/organization	Mr. Bhavani Singh		
6	Type of activity/Event	Academic		
7	Activity/Event objectives	To learn about 1.PLC programming software 2. Ladder logic 3.Application of PLC in Instrumentation 4.Controllers and Tuning 5.Calibration		
8	Participation	Students	Faculty	Total Participation
		50	-	50
9	General remarks	1.Interactive session 2.Doubts were clarified properly		
10	Suggested Improvements			
11	Enclosures	1.Attendance Sheet 2.Schedule of the course		
12	Signature of Incharge/convener			

Department of EIE in Association with SSK Delta Chennai organised a five day certificate course in the college premises.**Mr. Bhavani Singh** was the resource person .The session was started by 10:00AM. The session was initiated by inviting HOD, Resource person on to the dais.

HOD in his speech highlighted the importance of instrumentation, PLC in to-day's industrial scenario. Later Mr. Bhavani singh spoke about the trends and scope of PLC's in manufacturing industries.

On Day one the following topics were covered

- PLC Programming Software
  - Basic Input Devices in industry
  - Basic Output Devices
  - Their representation, Symbols & power ratings
- Ladder Logic

On Day two the following topics were covered

- Addressing Concept
- Programming Instructions
- Rules to construct ladder logic

On Day three the following topics were covered

- PLC Architecture And Hardware
- GUI Creation With SCADA

On Day four & Five the following topics were covered

- Archiving Methodologies
- Scripting
- Configuration & Troubleshooting

A total of 50 students attended this certificate course conducted on the area PLC-SCADA in association with SSK DELTA for EIE students by the Department of EIE from 19-04-2018 to 23-04-2018 Students were very attentive and interactive in the session with the Resource Person.

