

2. Industrial Automation Workshop- PLC and SCADA :

On 12th and 13th April 2013 TESLA in association with **Innovians Technologies** organized a workshop on INDUSTRIAL AUTOMATION – PLC/SCADA. This was a National Level Workshop in which about 70 students from EEE and ECE discipline participated out of which 25 students were from other colleges among which two were from National Institute of Technology Suratkal (NITK).The workshop was inaugurated by **Dr. G.R.C . Reddy , Director , National Institute of Technology Goa.**

The workshop was coordinated by **Mr. Suresh Mikkili (Assistant Professor, Dept. of EEE, NIT Goa)** and the workshop was conducted by **Mr. Prateek Gupta(CEO, Innovians Technologies)**. This workshop was designed to give students a brief exposure to industrial and process automation, introduction to PLC and SCADA ,and hands on experience on PLC kits. A technical competition was conducted based on the workshop and the winners were awarded certificate of excellence.

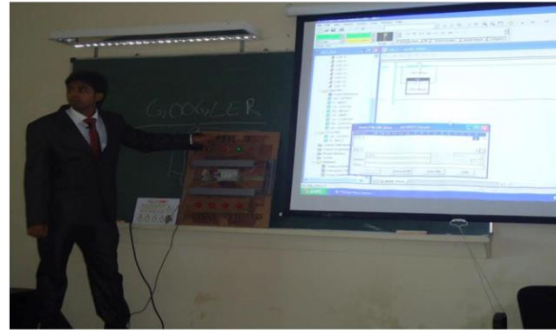
The following topics were covered during workshop:

- ↳ Introduction to Automation
- ↳ Different Type of Industrial Control Mechanism
- ↳ Introduction to PLC
- ↳ HMI Introduction and Its Need
- ↳ SCADA Introduction and Its Need
- ↳ Allen Bradley & Rockwell Automation Details
- ↳ Ladder Diagram Basics
- ↳ Introduction to RS logix
- ↳ Downloading a Ladder Program in PLC using RS link

In the final competition, both the first and second prizes were won by teams which belonged to National Institute of Technology Goa and were awarded Certificate of Excellence.



**Chief Guest of the inauguration Dr. GRC Reddy,
Director NITG**



**Trainer Mr Prateek Gupta explaining how to
run program on PLC Kit**



**Winners team of the competition along with the
Director and Trainers**



**Faculty and Student Coordinators of the
workshop along with Director**