



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)

L.B. Reddy Nagar, Mylavaram-521 230. Andhra Pradesh, INDIA
Affiliated to JNTUK, Kakinada & Approved by AICTE New Delhi
NAAC Accredited with "A" grade, Accredited by NBA, New Delhi &
Certified by ISO 9001:2015, <http://www.lbrce.ac.in>

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

FIVE - DAY FACULTY DEVELOPMENT PROGRAM

EEE Department of the Institute conducted a Five - Day Skill Development Training Program on "Industrial Automation and SCADA" in association with INDWELL Institute of Technology during 22nd -27th April , 2016.

HOD of EEE, Dr.M.Umavani welcomed the faculty and resource persons.

This Lecture was delivered by Mr Himanshu Kumar, Director from INDWELL Institute of Technology, Pune.

In this FDP, the following topics were covered:

- PLC: introduction, types, leading hardware and software, logic development, important instruction, Industrial real applications, Industrial I/Ps & O/Ps, PLC wiring & Industrial project development. HMI/MMI: Introduction, interfacing with PLC, screen development, digital & analog data configuration, analog data scaling, password level, screen display & Industrial project development.
- SCADA: Introduction, interfacing with PLC, screen development, digital & analog data configuration, analog data scaling, driver selection and configuration, tag creation and configuration & Industrial project development.
- AC DRIVE: Introduction, hardware, parameter setting, speed, direction, acceleration and deceleration time control of induction motor, interfacing with PLC, multispeed & multidirectional control project.
- ANALOG: Introduction to analog signal, standard signal type, block diagram, ATD and DTA conversion program and wiring.
- INTERFACING PROJECT: Complete interface of PLC, HMI, SCADA, AC DRIVE, AC motor, Digital I/Os with a real Industrial application.



Welcoming the guests onto the dais



Lightening the lamp by Resource Person

