

INTRODUCTION

Automation is basically the delegation of human control function to technical equipment. It is the use of control systems such as computers, PLCs, Microcontrollers to control machinery and processes to reduce the need for human sensory and mental requirements as well. Industrial Automation i.e. to "Automate Industry" is the basic need of almost every type of manufacturing and production unit today. Food/ Beverage, Metal, Mining, Power, Textile, Petrochemical, Machine Manufacturing, Automobile etc are the areas where we see the automation today. The most used guiding force behind an Automated Industrial Plant is a "Programmable Logic Controller" generally known as a PLC. PLCs along with certain other necessary accessories like Sensors, Motors, Actuators, Valves, Conveyors, Boilers, SCADA Systems, Computers & many more, makes a real automated manufacturing plant .

OBJECTIVE OF THE PROGRAM

The Main Objective of this Five-Day Skill Development Training Program is to make the aspiring engineering students acquainted with the conceptual as well as practical knowledge of the Industrial Automation & Latest Technologies being used to achieve Industrial Automation. The idea of Organizing this Five-Day Skill Development Program is to inculcate the basic fundamentals of Automation among the students and equip them with employability skills.

TOPICS TO BE COVERED

PLC: introduction, types, leading hardware and software, logic development, important instruction, 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.

INTERFACING PROJECT: Complete interface of PLC, HMI, SCADA, AC DRIVE, AC motor, Digital I/Os with a real Industrial application.

AC DRIVE: Introduction, hardware, parameter setting, speed, direction, acceleration and de acceleration time control of induction motor, interfacing with PLC, multispeed & multi directional control project.

ELIGIBILITY

The program is open to EEE,ECE & EIE UG and PG students of AICTE approved Engineering colleges.

RESOURS PERSONS

Experts from **INDWELL INSTITUTE OF TECHNOLOGY**, Pune will act as resource persons.

REGISTRATION PARTICULARS

Application in the prescribed format duly sponsored by the Head of the Institution should reach the coordinators on or before **16.12.2017**. The soft copy of application (scanned copy) can also be sent to the coordinator.

Registration Fee (Cash payment only)

Rs.800/- for internal participants

Rs. 900/- for external participants

* Spot registration is also allowed.

* Certificate will be issued at the end of the program to all the participants

**Fee will be collected at the time of registration.*

ACCOMODATION

Limited Accommodation is available and will be provided on payment on request.

ABOUT MYLAVARAM

It is situated at a distance of 40 km. from Vijayawada and is well connected by rail and road to various places in the country. Participants can reach to Mylavaram by boarding buses run by APSRTC towards Tiruvuru, Kothagudem & Bhadrachalam, city bus services (with number 350).

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS) MYLAVARAM – 521 230

Department OF Electrical and Electronics
Five-Day Skill Development Training Program on
"Industrial Automation and SCADA" in
association with INDWELL Institute of
Technology

18th – 22nd December, 2017

REGISTRATION FORM

1. Name of the participant : _____

2.UG/PG: _____

3. Year : _____

4. College: _____

5. Place: _____

6. Email: _____

7. Phone: _____

8. E-mail: _____

9. Accommodation Required :

YES

NO

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course.

Place:

Date:

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Mr./Mrs./Ms. -----, is an employee of our Institute/organization and is hereby sponsored to participate in Five-Day Skill Development Program on “**Industrial Automation and SCADA**” in association with **INDWELL Institute of Technology** during 18th – 22nd December, 2017 at Lakireddy Bali Reddy College of Engineering (Autonomous), Mylavaram.

Place:

Date:

**Signature of Head of Institution
(With seal)**

Note: Brochure & registration form can also be downloaded from college website.

<http://www.lbrce.ac.in>

IMPORTANT INFORMATION

Last date of receiving applications for participation is December **16, 2017**.

Duration of the Programme: Five days (18th -22nd December 2017)

Address for Correspondence:

Mr. J. Sivavara Prasad , Assoc. Prof.

Department of EEE
Lakireddy Bali Reddy College of
Engineering (Autonomous)
Mylavaram- 521 230, Krishna (Dt) A.P.

E-mail:
janapatisivavaraprasad@gmail.com
Mobile: +91 8500230515

ABOUT THE INSTITUTE

The LBR College of Engineering (LBRCE) is located at Mylavaram, and is spread over 56 acres of sprawling lush green landscape spotted with orchids and grooves. LBRCE received Autonomous status from the academic year 2010-11. Institution certified by **ISO 9001:2008** and Accredited by **NAAC with ‘A’ Grade**. EEE, ECE and MECH undergraduate programmes are accredited by **NBA** for two years (Outcome Based Education criteria). LBRCE has a profound focus on research and has **7 advanced labs** in various Departments and 4 departments (EEE,ECE, CSE, MECH) are recognized as **Research Centers of excellence** by JNTUK, Kakinada. The place is a hub of leading power plants like NTPS, LANCO Power and Industries like APHMEI, HPCL and Bharath Petroleum.

LBRCE has sophisticated infrastructure, supported by a dedicated team of well qualified and experienced faculty. LBRCE offers B.Tech Courses in CSE, Civil, ECE, EEE, EIE, IT MECH, Aerospace Engineering and P.G. programmes: M.B.A., M.C.A, & M.Tech Courses in EEE, ECE, CSE and Mech. All laboratories are equipped with state of the art facilities backed by advanced computer systems with latest software. The library has over **51,000** books spanning **13,500** titles. It subscribes over **110** National journals and **55** Technical and general magazines. A digital library is a part of this facility with over **6506** VCD collections produced from IITs, EKALAVYA and SONET . The students have access to **230Mbps** dedicated internet line and also to DELNET to supplement their classrooms teaching.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering offers an undergraduate program in Electrical & Electronics Engineering and a Post-graduate program in the specialization of Power Electronics & Drives. The Department has well qualified faculty and good laboratory facilities. EEE Department is recognized as research centre by JNTUK, Kakinada. Department has licensed software MATLAB(R2016a), PSCAD/EMTDC, LABVIEW, ETAP, MULTISIM, ANSYS, Xilinx and DIGSILENT. The department regularly conducts Guest Lectures / Seminars / Workshops / Technical paper contests for the benefit of both faculty and student community

**Five-Day Skill Development Training
Program on
“Industrial Automation and SCADA” in
association with INDWELL Institute Of
Technology, PUNE, Maharashtra**

18th – 22nd December, 2017



Chief Patrons

Er. Lakireddy Bali Reddy, Chairman
Sri L.Jaya Prakash Reddy, Co-Chairman
Sri LNRK.Prasad Reddy, Vice Chairman

Patrons

Sri G. Srinivasa Reddy, President, LBRCT
Er.K.Timma Reddy, Director, Infrastructure
Dr.K.Appa Rao, Principal
Dr.K.Srinivasa Reddy, Vice-Principal

Convener

Dr. M. UmaVani, Prof. & HOD

Coordinators

Mr J.Sivavara Prasad, Assoc. Prof.
Mr Imran Abdul, Asst. Prof.
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