

## TOPICS TO BE COVERED

### Session I:

- Why We Need Automation?
- Introduction To Automation
- Evolution In Industrial Automation
- Recent Trends in Industrial Automation

### Session II:

- Introduction to PLC & SCADA
- Brief Description To Input / Output Pins
- PLC & SCADA I/O's basics
- Interfacing and Burning Concepts
- Ladder Diagram Basics
- Downloading PLC Ladder Program

### Session III:

- House Wiring & Installation of Domestic Appliances
- Extension of supply
- Selection of Protection Devices
- Maintenance of Earthing

### Session IV:

- Precautions of Fire Safety
- Fire Safety Equipment Demo

### Session V:

- Power Generation
- Power Supply and Demand
- Need of Solar Power Generation
- Solar Panel & Installation

### Session VI:

- Ethics for Competence in Engineering

Hands on training with Power supply extension kit

## ORGANIZING COMMITTEE

### CHIEF PATRON

Prof. Y.V.Gopala Krishna Murthy,  
General Secretary,  
ACE Engineering College

### PATRONS

Mrs. M. Padmavathi,  
Joint Secretary,  
ACE Engineering College

### PRESIDENT

Dr. B. L. Raju,  
Principal, ACE Engineering College

### CONVENER

Dr. K. Jayakumar, Professor and Head,  
Department of EEE, ACEEC

### ADVISORY COMMITTEE

Dr. V. S. S. N. Srinivasa Baba,  
Professor & HOD & Vice principal, ACEEC

Dr. Khaleel Ur Rahman Khan,  
Professor & Dean Academics, ACEEC

Mrs. K. Jayabharathi,  
Professor & HOD, ACEEC

### COORDINATORS

Mr.M. Rajashekar, Associate Professor,  
9948129474

Mrs. G. Rajitha, Assistant Professor,  
9030680515

Mr. E. Yadesh Kumar, Assistant Professor,  
9959708075

Email ID: eee18iaei@gmail.com

## THREE DAYS NATIONAL LEVEL WORKSHOP ON INDUSTRIAL AUTOMATION & ELECTRICAL INSTALLATION “IAEI – 2018” 8<sup>th</sup> to 10<sup>th</sup> AUGUST 2018



### COORDINATORS

Mr. M. RAJASHEKAR, Assoc. Prof.  
Mrs. G. RAJITHA, Asst. Prof.  
Mr. E. YADESH KUMAR, Asst. Prof.



Organized by Department of  
Electrical and Electronics Engineering



## ABOUT THE COLLEGE

ACE Engineering College was established by Yadala Satyanarayana Memorial Educational Society with the fundamental objective of nurturing the group of nascent talent of young minds aspiring to make career in engineering into a pool of valuable and employable engineers. Mr. Y.V. Gopala Krishna Murthy, an Educationist, Engineer, Motivator, and the founder of ACE Engineering Academy is at the helm of academic affairs in the college. The Academy, a premier coaching center for GATE, IES and Public Service selections conducted by several state governments for recruitment of engineering.

ACE Engineering College was established in 2007 in a sprawling campus spreading over 10 acres of land. Situated in serene locales on the suburbs of Hyderabad on Hyderabad –Warangal National Highway, ACE provides an excellent ambience conducive for fruitful engagement of learners and faculty. Surrounding lush greenery filled plains and adjoining urban forest department land add to the tranquility that reminds one of ancient Indian gurukula. The college is well connected by road. It is just 20 Km away from Uppal and about 28 Km drive from Secunderabad.

## ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering was established in 2007 with a sanctioned intake of 60. The department is strengthened in all facets by the constant directions and leadership of Prof. Y. V. Gopala Krishana Murthy General Secretary of ACE Engineering College, CMD of ACE Engineering Academy. Department of Electrical & Electronics engineering is accredited by the National Board of Accreditation and also accredited by NAAC with 'A' grade.

## COURSE OVERVIEW

The main objective of this WORKSHOP is to make the aspiring engineers acquainted with the conceptual as well as practical knowledge in the latest technologies being used to achieve industrial automation and to inculcate the fundamentals of automation in the minds of all students and provide them with a platform to work on. The workshop also includes practicals on electrical installation.

## RESOURCE PERSONS

**Mr. Srinivas NC, BDM,**  
Prolific Systems & Technologies Pvt. Ltd

**Mr. S. Shankara Lingam,**  
Asst. District Fire Officer, Cherlapally

**Mr. Chandramouli,** Assistant Engineer,  
TSSPDCL, Hyderabad

**Mr. T. Muthu Kumaran,** Asst. Manager,  
NSIC, ECIL X Road, Hyderabad

**Mr. NMS Desai,** Associate Professor,  
ACE Engineering College

## REGISTRATION FEE

- Faculty Members : Rs. 750\*
- Industry Delegates : Rs. 1000
- Students : Rs.400

\*Fee exempt for the faculty from ACE Engineering College.

## IMPORTANT DATES

Last date for Registration: 7<sup>th</sup> August 2018  
The filled registration form should be sent by post or by Email to  
eee18iae@gmail.com

## THREE DAYS NATIONAL LEVEL WORKSHOP ON INDUSTRIAL AUTOMATION & ELECTRICAL INSTALLATION “IAEI – 2018” 8<sup>nd</sup> to 10<sup>th</sup> AUGUST 2018 REGISTRATION FORM

1. Name: \_\_\_\_\_

2. Age: \_\_\_\_\_ Gender: M / F \_\_\_\_\_

3. Qualification: \_\_\_\_\_

4. Area of Specialization: \_\_\_\_\_

5. Organization: \_\_\_\_\_

6. Designation: \_\_\_\_\_

7. Professional Category (Please tick):

Industry

Academic

R & D

8. Office Address:

\_\_\_\_\_  
\_\_\_\_\_

9. Mobile: \_\_\_\_\_

10. E-Mail: \_\_\_\_\_

11. Mode of Payment\*: CASH / DD

DD to be drawn in favour of:

ACE ENGINEERING COLLEGE

Payment Details:

DD No. \_\_\_\_\_ Dated: \_\_\_\_\_

Bank Name: \_\_\_\_\_ Amount: \_\_\_\_\_

Declaration:

I agree to abide by the rules of the ACEEC.

Date:

Signature of the Applicant

\*For the participants from other college