

ABOUT THE ORGANIZATION

Andhra University was constituted in the year 1926 and is one of the oldest Universities in India. The 90-year old institution is fortunate to have Sir C.R. Reddy as its founder Vice-Chancellor, as the steps taken by this visionary proved to be fruitful in the long run. Former President of India Dr. Sarvepalli Radha Krishnan was one of its Vice Chancellors in 1931. The leaders of the university always believed that excellence in higher education is the best investment for the country and engaged the services of famous educationists to mention a few set high standards for teaching and research. Keeping in pace with the global needs and challenges under the leadership and guidance of successive Vice-Chancellors, the university is offering several new courses of relevance and contemporary significance. Andhra University has established an international image in academic excellence with accreditation by "NAAC" with "A" grade and is general university in the country to get ISO 9001: 2008 Certification. The university has Seven constituent colleges and four AU campuses. Presently it is among the top universities in India for engineering. Over the years, the Andhra University College of Engineering (A) grew from strength to strength and at present it has 15 departments offering UG, PG and Research programs.

ABOUT THE DEPARTMENT

The Department of Electrical Engineering was started in 1955 as one of the three constituents of the Department of Engineering in Andhra University and grown to the status of full Department in 1969. Currently department offers a UG in Electrical and Electronics engineering and 3 PG programs. The Department also offers Ph.D. programme to promote basic research activities in the areas related to Electrical Engineering. The consultancy service is also rendered by the department. The Department has well established with conventional labs as well as

advanced laboratories. The faculty of the department is involved in research activities in the areas of Power and Renewable energy systems, Control systems, Applications in advanced power electronic drives.

OBJECTIVE:

The objective of the workshop is to bring Students, Engineers, Researchers and Scientists to single platform for share their knowledge and ideas in the recent trends in the field of Automation. The proposed FDP is organized with an aim to discuss the trends and research opportunities in automation of systems and applications in process industries. Emphasis on latest technologies of automatic operation and control of systems will benefit the Researcher wishing their career in the field of automation by HMI / MMI, Drives and Systems Control. It is expected that the experience gained by the participants through the course help them to a direct hands on experience on some latest technologies in the areas of distribution and control systems.

TOPIC FOR DISCUSSION INCLUDE

1. Introduction to Automation and Research opportunities.
2. Operations Environment and Evaluation of automated systems.
3. Basics and Basis of SCADA and Real time control systems.
4. Hardware systems configurations.
5. Programmable Logic Controllers (PLCS)
6. SCADA and interfacing with PLCS
7. Power Electronic Drives
8. HMI / MMI
9. Interfacing demos.
10. Automation in industrial and real time applications.

RESOURCE PERSONS:

Experts from the Industry and Academia of Reputed organizations, Faculty of Andhra University.

LECTURE NOTES:

To realize the objectives of the course, lecture notes /slides will be made available to the participants. In addition, simulation example files and documentation files, used during the course will be made available to the participants.

ELIGIBILITY:

Faculty members of Engineering / Polytechnic Colleges approved by AICTE / Researchers / Practicing Engineers / Research scholars of EEE, ECE and EIE are eligible to attend the course.

REGISTRATION:

Industries and Govt. Organizations : Rs 4000/-
Academic Institutes Faculty : Rs 2000/-
Full time scholars/PG Students : Rs 1000/-

Participants can register by sending the registration form along with Demand Draft drawn in favour of Dr. N. Prema Kumar, Convener payable at SBI, AUCE Campus branch (IFSC # SBIN0003170), Visakhapatnam.

ACCOMMODATION TO PARTICIPANTS:

Accommodation will be provided in AU Guest houses and in nearby hotels on Payment basis.

IMPORTANT DATES:

Last date for Registration : **5th September 2016.**

Intimation of Confirmation : **7th September 2016.**

(After receiving the applications subjected to the limit on the participants)

REGISTRATION FORM

A

One Week Faculty Development Program On Process Automation and Research Opportunities (PARO – 2016)

Name:

Designation:

College:

Address for Correspondence:

Phone:

e-mail:

Mobile number:

Details of registration:

Amount: Rs.

DD. No:

Date:

I declare that the details furnished above are correct to the best of my knowledge and belief. I also undertake to abide by the rules and other conditions prescribed during the FDP at A.U College of Engineering, Visakhapatnam.

Signature of
Participant

Signature of Principal/
HOD with stamp

ORGANIZATION COMMITTEE

Chief Patron:

Prof. G. Nageswara Rao,
Hon'ble Vice Chancellor
Andhra University

Patron:

Prof. P.S. Avadhani,
Principal,
A.U. College of Engineering (A)

Chairman:

Prof. K. Vaisakh,
Head of the Department,
Electrical Engineering, AUCE (A) &
Dean, Academic Affairs, AU

Coordinators:

Prof. N. Prema Kumar,
Prof. Ch. V. V. S. Bhaskara Reddy,
Electrical Engineering, AUCE (A)

Advisory Committee:

Prof. G.V. Siva Krishna Rao, Chairman, BOS, EE, AU
Prof. K. Rama Sudha, HOD, EEE, AUCEW, AU
Prof. P. Mallikarjuna Rao, Dean (A & R), AUCE
Prof. T. R. Jyothsna, Coordinator (EW & M), AU
Mr. K. Chandra Sekhar,
Dr. M. Gopichand Naik,
Dr. K. Padma,
Dr. R. Srinu Naik,
Mr. B. Amarendra Reddy,
Dr. R. Vijayasanthi.

Address for Correspondence:

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Call for Participation

One Week Faculty Development Program On

Process Automation and Research Opportunities

(PARO – 2016)
Under TEQIP-Phase II

13th – 17th September, 2016



Organized by

DEPARTMENT OF ELECTRICAL ENGINEERING
AU COLLEGE OF ENGINEERING (A)
ANDHRA UNIVERSITY
VISAKHAPATNAM-530003, A.P. INDIA