



**The Institution
of Engineers
(India)**



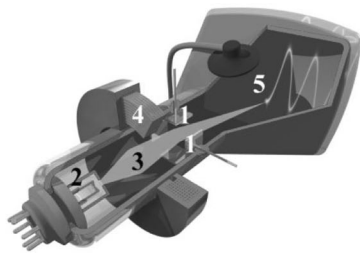
**ANDHRA
UNIVERSITY**



Certificate Course on ELECTRICAL & ELECTRONICS LABORATORY EQUIPMENT MAINTENANCE AND SERVICE

**September 23 – 25, 2011
DEPARTMENT OF SYSTEMS DESIGN**

Electrical and electronic laboratory equipment is the backbone of the teaching in science, technology, engineering, medicine and pharmaceutical disciplines. The maintenance of the equipment can represent significant operating expenses. The management of different maintenance contracts with various vendors proves to be nearly impossible and the coverage is limited. In order to guarantee successful functioning, equipment maintenance must be one of the essential components in electrical and electronics teaching laboratories. It starts with ensuring that one person is designated and responsible for the maintenance program. The course program provides the participants with the knowledge and skills necessary to fault-find electronic circuits to component level. Participants get a thorough knowledge on testing, measurement and fault-finding on a range of laboratory equipment. A comprehensive course-ware will be provided. Participants, on the completion of the course, will be able to:



- apply suitable safety preventions while working with electric / electronic equipment (anti-static precautions, electric shock accidents, etc),
- understand the principles of grounding / protection and associated devices,
- recognize the most common industrial motor types and understand their operation, connections and maintenance requirements,
- usage of electronic test equipment like oscilloscopes, logic probes etc.,
- usage of electrical test equipment effectively and carryout testing of a range of motors, solenoids, cables etc.,
- access electrical enclosures and replace fuses, reset overloads etc., and
- locate faulty electronic components and carry out effective repairs.

Participation :

The course is open to **Laboratory Technicians & Laboratory In-Charges** working in degree / post-graduation colleges, engineering colleges, polytechnic colleges, pharmaceutical colleges, and medical colleges. A few seats are available for Degree & PG students pursuing electronics as one of the subjects.

Venue: Department of Systems Design

Timings: 09:00 to 17:20 hrs

Registration fee: ₹ 500

Registration forms can be downloaded from AU website: www.andhrauniversity.info

For further information, please contact:

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