

### Course Contents:

- Introduction to electronics
- Diode, transistor, oscillator, Op-amp, etc.
- PCB designing using software
- Testing of power supply
- Maintenance of laboratory instruments like
  - Power supply
  - DMM
  - Function generator
  - CRO

### Programmes conducted at WRIC

- PROG 1.** Introduction to Basics of Electricity & Electronics and Maintenance of Electrical Instruments
- PROG 2.** Introduction to Electronics & Maintenance of Electronic Instruments
- PROG 3.** Repair, Maintenance & Designing of Power Supply
- PROG 4.** Repair & Maintenance of CRO
- PROG 5.** Maintenance of Analytical Instruments
- PROG 6.** Preventive Maintenance of Office Equipment like OHP, Public Address System, UPS, Stabilizer

Western Regional Instrumentation Centre, Mumbai  
(A National Facility Centre of University Grants Commission,  
New Delhi)

University of Mumbai



University Grants Commission



# WRIC

## Announces

### A

### Workshop

### on

## Introduction to Electronics and Maintenance of Electronic Instruments

### (PROG 2)

(11<sup>th</sup> – 14<sup>th</sup> July 2011)

• Venue •

Western Regional Instrumentation Centre (WRIC), Mumbai  
University of Mumbai, Vidyanagari Campus  
Kalina, Santacruz (East), Mumbai – 400 098

**SCOPE:**

The programme is specially designed for Laboratory Assistants and Laboratory Attendants of all University departments, Engineering / Science Colleges & Institutes. The programme consists of class room lectures covering basic theory and operation of various instruments used in basic electricity. The laboratory experiments are planned in such a way that the participants will learn about the operation of instruments its correct usages & safety aspects. The lectures and experiments will be conducted by eminent experts in this field.

The maximum number of participants will be 20.

**FACULTY:**

- Prof. A.M. Narsale
- Mr. N.N. Rao
- Mr. A.K. Jain
- Mr. K.K. Mahajan
- Mrs. Sunita Batra
- Mrs. A.A. Newaskar
- Mr. A.S. Oka
- Mr. Sudhir Kumar
- Mr. Devendra Gunde
- Mr. Govind D. Chittr

**CERTIFICATE:**

The participants will be given certificate at the Valedictory Function on the last day of the course subject to fulfilment of attendance and other requirements.

**LOGISTICS:**

The participants will be provided with the resource materials, lunch & tea. For outstation participants accommodation may provided upon request. (Participants has to pay applicable charges).

**FEES :**

The Registration fee for the Workshop is ₹500/- and the same should be paid by **D.D. (for outstation participants) / Cheque** drawn in the favour of WRIC, Mumbai **or by cash.**

**Programme Coordinator****Prof. A.M. Narsale**

Director  
Western Regional Instrumentation Centre  
University of Mumbai  
Vidyanagari Campus, Kalina  
Santacruz (East), Mumbai – 400098  
Tel. : 022 - 6530248

**Course Coordinator****Mr. N.N. Rao**

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University of Mumbai  
Vidyanagari Campus, Kalina  
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navuduri1@rediffmail.com

**For any assistance you may please contact**

**Mrs. Sunita Batra** (Mobile 9930314814) OR  
**visit our website** : <http://www.wric.mu.ac.in>

**APPLICATION PROFORMA**

**Workshop on  
Introduction to Electronics and  
Maintenance of Electronic Instruments  
(11<sup>th</sup> – 14<sup>th</sup> July 2011)**

Name & Designation of Applicant :

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Correspondence Address :

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\_\_\_\_\_

\_\_\_\_\_

Tel. (Res) \_\_\_\_\_ (Off) \_\_\_\_\_

(Mob) \_\_\_\_\_ (Fax) \_\_\_\_\_

E-mail \_\_\_\_\_

Age \_\_\_\_\_

Educational & Professional Qualification :

\_\_\_\_\_

Nature of Present Job :

\_\_\_\_\_

Sponsoring Department / College :

\_\_\_\_\_

D.D./Cheque No. \_\_\_\_\_ dtd. \_\_\_\_\_

Drawn on \_\_\_\_\_

for ₹ \_\_\_\_\_ or cash \_\_\_\_\_

Signature of the Candidate \_\_\_\_\_

If selected Prof./Dr./Mr./Ms. \_\_\_\_\_

\_\_\_\_\_

will be relived to join the training programme

**Recommendation of Head/Principal/Director of  
Department/College/Institute**