

About the Dept. Of Instrumentation Sc.,JU

Department of Instrumentation Science, Jadavpur University, originally started as University Science Instrumentation Science (USIC) in 1978, under UGC 6th plan. As per 9th plan guidelines of UGC, USIC, Jadavpur University upgraded to the Department of Instrumentation Science in May 2004 and became a full fledged Department under Faculty of Science, Jadavpur University. Since inception, the Department has been carrying out Research and Development activities through various funding agencies viz. UGC, DST, CSIR, DAE etc. In addition, M.Sc (Instrumentation) programme has been started from 2008.

About WRIC, Mumbai

Western Regional Instrumentation Centre (WRIC), Mumbai is an autonomous institute established in 1977 and fully funded by the University Grants Commission (UGC), Government of India, New Delhi in association with University of Mumbai. WRIC is the only Regional Instrumentation Centre in India and which has now been recognized as a National Facility Centre for Instrumentation by UGC.

The overall impact of the Centre's activities since its inception has been to further the UGC's efforts in creating adequate, self-supporting infrastructure in the Indian universities by providing research, maintenance, testing and measurement services in the field of instrumentation.

WRIC aims to be:

- Resource Centre to create necessary facilities for Instrumentation programmes.
- Role model for providing instrument services such as calibration (Electro technical, temperature and pressure), Repair and maintenance, Glass blowing, Instrument fabrication services, organizing Maintenance camps
- Centre for Design & Development of new teaching aids to facilitate teaching, research
- Resource Centre for conducting training programmes in instrumentation & instruments repair & maintenance
- Resource centre for R&D in instrumentation for Education, Research & Industries.

Organizing Committee

Chief Patron

Hon'ble Professor Suranjan Das
Vice Chancellor, Jadavpur University

Patrons:

Prof Pradip Kumar Ghosh

Pro-Vice Chancellor

Jadavpur University, Kolkata – 700 032,

Co-chair

Dr. Indu. A. George, Prof Subrata N. Koner

Director

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Convener : Dr Sankar Narayan Patra

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Program Co-ordinator

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Technical Officer II

Course Co-ordinator

Mr. N. Nageswara Rao

Technical officer I,

Local Co-ordinator: Prof R. Bhar

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Local Advisors: Prof A.K.Pal & Prof M. Khan

Faculty from WRIC

N. N. Rao , Technical officer

Technical staff

Sunita Batra Govind Chitte

**M. B. Shidruk Sudhir kumar
Devendra Gunde**

JADAVPUR UNIVERSITY



National Workshop

On

'Instrumental Techniques, Maintenance and Servicing of Analytical & Laboratory Instruments'. (4th – 8th February 2019)

in association with



Western Regional Instrumentation Centre, Mumbai

Convener:

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Dear Sir/Madam,

Department of Instrumentation Science, Jadavpur University in Collaboration with UGC's Western Regional Instrumentation, Centre, Mumbai, is organizing a one week (five days) workshop on 'Instrumental Techniques, Maintenance and Servicing of Analytical & Laboratory Instruments' from 4th – 8th February, 2019.

The keen motivation behind organizing this programme has been the fact that most of the Faculties/ Research Scholars/ Technicians in Universities/Institutes/ colleges are not trained adequately on the repair/maintenance of electronic equipment's. Many laboratories have a large number of equipment's abandoned due to very minor defects. Also, the money that is spent for the repair and maintenance of these equipment's is very large. Again, the repairing cannot be performed in time leading to several difficulties in the smooth functioning of laboratories. In a separate dimension, the wastes emerging from electronic equipment's is alarming and is going to be a great challenge for the present scientific community. The workshop focuses on these issues.

The training will be given on the essential equipment's of any UG & PG. laboratories like, multimeter, CRO, Function generator, Power supplies, etc The participants are welcome to bring electronic equipment's from their laboratories that needs repair.

Workshop will also cover working principle, repairing, maintenance and calibration of pH meter, pH electrode, colorimeters, flame photometer, spectrophotometer, & conductivity meter. Operation, repairing and maintenance of Electron Microscope, optical Microscope & analytical balance.

Interested participants are requested to send their application with DD to the Convener, Dr Sankar Narayan Patra, within 22nd January, 2019.

Kolkata:

Trains and flights from different places reach Kolkata at all time of day and night. Outstation participants should proceed directly from the Railway Station/Airport to their respective places of accommodation/venue.

Scope:

The program curriculum has been specifically designed for Faculty members/Research Scholars/ technical and scientific staff of Science departments of university/Institutes and all university colleges. This program aims at imparting skills in techniques, operation, maintenance and repairs of laboratory instruments commonly used in Science/ Research laboratories.

Programme content:

Introduction to the basic of electric and electronics equipment & components.

Awareness and requirement of general repairs and maintenance of laboratory Instruments Repairing of electrical instruments like, hot plate, heating mental, magnetic stirrer & water bath.

Working, proper handling and repairing of temperature controlled oven, incubator & water bath. Working principle repairing, maintenance and calibration of pH meter, pH electrode, colorimeters, flame photometer, spectrophotometer, & conductivity meter. Operation, repairing and maintenance of Electron Microscope, optical Microscope & analytical balance.

Maximum number of participants :30

Note :Colleges/Universities/Institutes/Dept. may send their Lab Instruments for repairing with their participant

Registration Fees - Rs.2000/- + 18% GST

The registration fee can be paid through D.D. only of any Nationalized bank in favour of "Registrar, Jadavpur University " payable at Kolkata.

Accommodation: can be arranged on request from participation with additional charges in advance and availability rooms in guest houses on sharing basis.

APPLICATION PROFORMA

**Dept. Of Instrumentation Sc., JU & WRIC, Mumbai
Joint Workshop on
'Instrumental Techniques, Maintenance and Servicing of Analytical & Laboratory Instruments'.
(4 – 8 February, 2019)**

1. Name & Designation of Applicant

: _____

2. Correspondence Address :

Tel. (Res.) _____ (Off) _____

Mob. _____ Fax _____

E-mail : _____

3. Age :

4. Educational & Professional Qualification :

5. Nature of Present Job :

6. Sponsoring Department /College/Institute :

D.D./Cheque No. _____ dtd. _____

Drawn on _____

for Rs. _____

7. Whether Accommodation Required : **YES/NO**

8. Signature of Candidate :

If selected Prof./Dr./Mr/Ms. _____

Will be relived to join the Workshop
Recommendation of Head / Principal / Director of
Department / College / Institute/Supervisor.