

ABOUT THE INSTITUTE

Dr. Bhimrao Ambedkar University, Agra imparts vocational education through Dau Dayal Institute of Vocational Education (DDIVE), Khandari Campus, Agra. Established in the year 1994, Dau Dayal Institute of Vocational Education is a premiere institute of vocational education imparting education through various courses namely B.Sc. (Vocational), B.Com. (Vocational), B.Com., M.Com., M.Sc. (Electronics & Instrumentation).

In view of the globalization of education and economy, these courses are more relevant and career-oriented with focus on quality and excellence. During the course work grooming of students is done on various parameters such as teaching, labwork, skill development, on the job training, project work, industry visits etc., so as to make impact on National/International levels. It is envisaged that professionally qualified graduates with a sound knowledge of their core disciplines and expertise in a concerned skill will have more openings in service, industry and self-employment sectors.

ABOUT WRIC

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.

WRIC aims to be :

- 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.

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Dau Dayal Institute of Vocational Education, Khandari, Agra

Course Convener

Mr. N. N. Rao

Technical Officer II, WRIC, Mumbai

Faculty from WRIC, Mumbai

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Mr. Govind Chitte
Mr. Devendra Gunde

Programme 2

Mr. Minal Tamhankar
Mr. Sudhir Kumar
Mr. Swapnil Jadhav

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Local Organising Committee

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Dr. Manoj Yadav



A National Workshop

on

OPERATION AND MAINTENANCE OF ELECTRONIC LABORATORY EQUIPMENTS (OMELE-2023)

11th - 15th September 2023

Organised by

Dau Dayal Institute of Vocational Education
Dr. Bhimrao Ambedkar University, Agra



In association with



Western Regional Instrumentation Centre
Mumbai

Organising Secretary

Dr. Praveen Kumar

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Dau Dayal Institute of Vocational Education
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Dear Sir/Madam,

Dau Dayal Institute of Vocational Education (Dr. Bhimrao Ambedkar University, Agra) is organizing National Workshop on **"Operation and Maintenance of Electronic Laboratory Equipments"** from 11th - 15th Sept. 2023. The keen motivation behind organizing this programme has been the fact that most of the faculties/ technicians in colleges are not trained adequately on the repair/maintenance of electronic equipments. Many laboratories have a large number of equipments abandoned due to very minor defects. Also, the money that is spent for the repair and maintenance of these equipments 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 equipments 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 equipments of any B.Sc. or M.Sc. laboratories like, multimeter, CRO, Function generator, Power supplies, etc. The participants are welcome to bring electronic equipment's from their laboratories that needs repair.

Scope of the Workshop :

The program curriculum has been specifically designed for technical and scientific staff of science Departments of University and all Colleges. This program aims at imparting skills in operation, maintenance and repairs of laboratory instruments commonly used in science laboratories.

Programme 1 : Physics / Electronics & Instrumentation

- Introduction to the basics of electrical and electronic equipments & components.
- Awareness and requirement of general repair and maintenance of laboratory instruments.
- Proper use of different types of multimeters and their repairing.
- Working and repair of various types of power supplies.
- Testing and on load calibration of power supplies.
- Handling of function generator and signal generator and their repairing.
- Handling of CRO, basic problems of CRO and repairing.

Programme 2 : Chemistry, Pharmacy & Life Sciences

- Introduction to the basics 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, spectro-photometer, & conductivity meter.
- Operation, repairing and maintenance of optical Microscope & analytical balance.

Maximum No. of participants : 50 in each programme

Note :

- Colleges must send their Instruments for repairing with their participant
- First day will be common for both programmes.
- From second day onwards respective topics will be covered for programme 1 & programme 2

Registration Fees - Rs. 300/- (Three Hundred only)

The registration fee can be paid through Cash/D.D. of any nationalized bank in favour of **"Finance Officer, Dr. Bhimrao Ambedkar University, Agra** payable at Agra.

Venue of Workshop : Dau Dayal Institute of Vocational Education, Khandari Campus, Agra

REGISTRATION FORM

A National Workshop on "OPERATION AND MAINTENANCE OF ELECTRONIC LABORATORY EQUIPMENTS (OMELE-2023)" (11th - 15th Sept. 2023)

Name & Designation of Applicant :

Correspondence Address :

Tel. (Res) _____ (Off) _____

(Mob) _____

E-mail _____

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**

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