

Charutar Vidya Mandal(CVM)

CVM is charitable trust established by eminent engineer Shri Bhailalbhai Patel and devoted educationalist Shri Bhikhabhai Patel in 1945. It is the largest education trust of its kind in Gujarat which founded the township of Vallabh Vidyanagar in 1946, presently manages about fifty one educational institutes, from primary to post graduate level as well as doctoral studies. After completing successful 70 years, CVM is now poised to meet the challenges the complex time ahead. Establishment of Sophisticated Instrumentation Centre for Applied Research & Testing (SICART) is one of the major steps taken by CVM towards meeting challenges of globalization and liberalization through research and testing of samples from industries and academic organizations using sophisticated instrumentation.

SICART is equipped to handle the analysis of wide variety of materials that includes chemicals, plastics/polymers, pharmaceutical etc. It houses the following state of art analytical instruments: UV-VIS NIR Spectrometer, FT-IR Spectrometer, High Performance Liquid Chromatography (HPLC), GPC, GC, Gas Chromatography with Head space (GC-HS), GC-MS, HPTLC Systems, 400 MHz FT-NMR (with Solid Probe), Ion Chromatography (IC), LC-MS-MS, Inductive Coupled Plasma-Optical Emission Spectrometer (ICP-OES), Laser Particle Size Analyzers, Laser Flash Thermal Conductivity Meter, Mercury Porosimeter, Micro-Hardness Tester (MHT), C,H,N,S & O Analyzer, Thermal System (DSC, TGA & DTA),STA, Universal Testing Machine (UTM), X-Ray Diffractometer (XRD), Wavelength Dispersive X-Ray Dispersive Spectrometer.(WD-XRF), Environment Scanning Electron Microscope (ESEM) with EDAX, Field Emission Gun Scanning Electron Microscope (FEG-SEM) with EDAX (with

Mapping facility) and Transmission Electron Microscope (TEM) with CCD Camera. SICART is funded by the Department of Science & Technology (DST) and recognized as a Scientific & Industrial Research Organization (SIRO) by DSIR, New Delhi, Government of India, New Delhi). And as Schedule-I Environment Auditor too by Gujarat State Pollution Control Board (GPCB).

SCOPE

In conjunction with other tools of research Electron Microscope is widely used in the fields of biological sciences, chemical sciences, physical sciences, industry etc. It is a well established fact that electron Microscopy, both transmission and scanning have revolutionized our understanding of many aspects of research investigations. However, there is a great depth in the availability of skilled and experienced persons to train the researchers, academicians, scientists and other desirous persons for proper preparation of samples and the interpretation of results. As a result, the utility of electron microscope in understanding the microcharacters of materials is diminishing.

SICART of Charutar Vidyamandal, Vallabh Vidyanagar, Which excel in this field with expertise and infrastructure, proposes to conduct this workshop. It is envisaged that this workshop will help to disseminate the knowledge and to train the man power in the field of electron microscopy. This workshop will also provide an excellent opportunity for those who are already in this field for enrichment of their knowledge on recent advances in TEM and FEG-SEM etc.

Topics intended to cover

Introduction to Electron microscopy Preparation of samples. For TEM. And FEG-SEM.

Who can attend the workshop

This program has been specially designed for the benefit of scientists, researchers, academics and technician. In addition, desirous people working in commercial addition and industries. However the participants will be limited to have meaningful hands on experience.

REGISTRATION FORM

Name:

Designation:

Address:

Tele. /Mobile No.:

Fax:

E-mail.:

Accommodation will be with own responsibility:

I shall be attending the workshop on “**Electron Microscopy (FEG-SEM and TEM)**” and I enclose the necessary registration Fees.

Amount Rs.

Signature:

Date:

Cash /Cheque/ D.D. No.:

F.W.C Head of the Institution /
Organization

REGISTRATION

Attached registration form duly filled should reach the Convener on or before 20, March, 2018. As limited seats are available for this workshop, the aspirant candidates are appealed to register themselves at earliest. The registration fees include participation in the Workshop and Lunch / breakfast / Tea etc.

Registration fees for participants

Participants from students: Rs.400/-

Participants from Academic staff: Rs.800/-

Participants from Industry Rs.1000/-
(Service tax GST@18%)

Registration should be made through payment by cash/Demand Draft/multicity payable cheque in favor of SICART-CVM, payable at Vallabh Vidyanagar- 388120



TEM

FEG-SEM

Chief PATRON

Er. Bhikhubhai. B. Patel, Chairman, CVM

PATRON

Dr. S. G. Patel, Hon. Secretary

Convener

Dr. A. R. Jani
Hon. Director, SICART

Co-Convener

Dr. S. V. Patel

Coordinator

Dr. G. R. Chauhan

Organizing Committee

Dr. Mitesh Patel

Dr. M. R. Tiwari

Dr. K. K. Tiwari

Mr. Nikunj Patel

Mr. Vipul Patel

Mr. Vikas Patel

Ms. Dhanvi Patel

Mr. Dipen Patel

Ms. Daxa Patel

Workshop on “Electron Microscopy (FEG-SEM and TEM)”

March 22-23, 2018

Organized by



Sophisticated Instrumentations Centre
for Applied Research & Testing
(SICART)

Address for Correspondence & contact:

Dr. A. R. Jani
Hon. Director, SICART

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Technology
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