

**A Workshop  
on  
“Electron Microscopy (FEG-TEM and FEG-SEM & Energy Dispersive Spectroscopy)  
June, 05-06 and 07, 2025**

**Organized by**



**Sophisticated Instrumentation Centre for Applied Research & Testing  
( Accredited by NABL, Recognized by DSIR & Sponsored by DST)**

**&**



**Shri B. V. Patel Education Trust, Ahmedabad  
[www.bvpedutrust.com](http://www.bvpedutrust.com)  
Contact:(+91 91068 48562)**

**Venue**

**Sardar Patel Centre for Science & Technology  
Sophisticated Instrumentation Centre for Applied Research & Testing (SICART)  
(SAIF Centre Sponsored by DST, Govt. of India)  
Vallabh Vidyanagar – 388 120  
Dist: Anand, Gujarat  
Phone: (02692) 234966**

## **Vallabh Vidyanagar**

Vallabh Vidyanagar was established with a noble idea conceived by the “Iron Man of India” of spreading education in the rural areas of Gujarat. Today, V. V. Nagar is recognized as the education hub of Gujarat and numerous institutes are offering traditional and professional educational programs. V. V. Nagar is a place of attraction for students from various parts of the country. Culture here is a nice blend of various traditions across the country, but still preserves the fragrance of a rural Gujarat.

## **Charutar Vidya Mandal (CVM)**

CVM is the largest educational trust in Gujarat State. It was established in 1945 by eminent engineer Shri Bhailalbhai Patel and eminent educationalist Shri Bhikhabhai Patel. CVM established the educational township “Vallabh Vidyanagar” in 1946. It also established about fifty educational institutes from primary schools to University. CVM University was established in 2020. CVM is recognized by DSIR, Govt. of India, as Scientific and Industrial Research Organization (SIRO). SICART was established by CVM in the Year 1998.

## **SICART**

Sophisticated Instrumentation Centre for Applied Research & Testing (SICART) is managed by Charutar Vidyamandal (CVM) and sponsored by Department of Science & Technology (DST), Govt. of India under DST Scheme “Sophisticated Analytical Instrument Facility (SAIF)”. A broad range of state-of-the-art analytical instruments are housed in about 10,000 square meters area under one roof. SICART offers advanced analytical instruments for Testing needs of academia, R&D Organizations, and industry. SICART is recognized by the Department of Scientific and Industrial Research (DSIR), it is NABL accredited and FDCA approved and GPCB Schedule I Auditor, ensuring high-quality research and testing services. SICART is equipped to handle the analysis of wide variety of materials that include chemicals, new molecules, drugs, medicinal plants, plastics, polymers etc.

Center has following analytical instruments: UV-VIS-NIR Spectrometer, FT-IR Spectrometer, HPLC, GPC, GC, GC-HS, GC-MS, HPTLC, LC-MS-MS, 400 MHz FT-NMR, ICP-OES, Laser Particle Size Analyzer, C,H,N,S&O Analyzer, Thermal System (DSC, TGA, STA & DTA), Universal Testing Machine (UTM), X-Ray Diffractometer (XRD), Wavelength Dispersive X-Ray Fluorescence Spectrometer (WD-XRF). FEG-SEM with EDS, HR –TEM with EDS.

## **Shri B. V. Patel Education Trust, Ahmedabad**

Shri B. V. Patel Education Trust, established in 1974 in memory of Gujarat's first drug controller, Shri Bhupendrabhai V. Patel, focuses on advancing education in Pharmacy and Allied Sciences. Its mission is to support the pharmaceutical industry with skilled professionals through programs like international symposiums, training workshops, and industry-oriented dissertation projects. The Trust organizes the annual Shri B. V. Patel Essay Competition and Memorial Lecture at the Indian Pharmaceutical Congress (IPC), where winners receive medals and cash prizes. Additionally, it plans to introduce certificate courses and innovative educational programs to support students and the pharmaceutical sector in Gujarat.

### **About the Workshop**

Attending the State Level Workshop on Electron Microscopy "FEG-TEM and FEG-SEM with EDS" at SICART offers numerous benefits. Participants gain in depth understanding with two advanced Electron Microscopy techniques: which are crucial for surface morphology and internal morphology and Energy Dispersive Spectroscopy (EDS) analysis. The workshop will provide opportunities to learn from experts, enhancing understanding of instrumental operations, data interpretation, and applications. These techniques have application in various fields like chemicals, pharmaceuticals, material science, Life Science, biomedical and semiconductor materials. It fosters networking with peers and professionals, encouraging collaborative research and innovation. Such workshops also help in staying updated with the latest advancements, boosting academic and career growth.

### **Who will benefit**

Master students, Ph.D scholars and Research scientists are encouraged to take part in the workshop. They will get exposure to the instruments.

**Chief PATRON**

**Er. Bhikhubhai B. Patel, Chairman, CVM**

**Co-PATRON**

**Dr. S. P. Adeshara, Chairman, BVPET**

**Convener**

**Dr. R. H. Parikh, Hon. Director, SICART**

**Dr. Manish Nivsarkar, Director, BVPET**

**Co-convener**

**Dr. J. V. Patel, Deputy Director, SICART**

**Dr. Neeta Shrivastava, Deputy Director, BVPET**

**Organizing Secretary**

**Dr. Vikas Patel (SICART)**

**Organizing Committee**

**Dr. K. K. Tiwari (SICART)**

**Dr. G. R. Chauhan (SICART)**

**Ms. Dhara Desai (SICART)**

**Mr. Abhirajsinh Rajput(SICART)**

**Contact for Registration:**

**Dr. Vikas Patel**

**email: [workshop@sicart.res.in](mailto:workshop@sicart.res.in)**

**web site: [www.sicart.res.in](http://www.sicart.res.in)**

**Mobile No. – 9904728165**

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## **REGISTRATION**

- For registration, please click following link & fill in the details
- **Registration Link:** <https://forms.gle/MhjPfvDkjZCQYRTYA>
- Registration fees to be paid online.

### **Bank Details:**

**Payee Name: SICART**

**HDFC bank a/c: 50200061588363**

**IFSC code: HDFC0009500**

**Branch: NEW VALLABH VIDHYANAGAR**

- Please share the receipt of Payment with details of your name and mobile number to given mail id: [workshop@sicart.res.in](mailto:workshop@sicart.res.in)

## **Registration Charges for Participants (Including GST)**

Student	Rs. 2,000/-
Faculty	Rs. 2,500/-
Industry	Rs. 4,000/-

### **Note:**

- Enrollment is restricted to 15 participants on first come first served basis.
- Cancellations will not be accepted but substitutions may be made at any time.
- Fees include workshop material, lunch and tea/coffee on all days.
- Accommodation can be arranged on chargeable basis in twin sharing room. Participants can contact Mr. Hardik Parekh (Mobile number: +91-99983 02306) for further details regarding accommodation.
- At the end of the workshop, Certificate of Participation will be issued to all participants.
- Registration over telephone/e-mail will not be accepted.
- Last date for registration is 20<sup>th</sup> May, 2025.