

## 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 a charitable trust established by the eminent engineer Shri Bhailalbhai Patel and devoted educationalist Shri Bhikhabhai Patel in 1945. It is the largest trust of its kind in Gujarat which founded the township of Vallabh Vidyanagar in 1946. CVM manages forty eight educational institutes, from primary to post graduate level and doctoral studies.

## SICART

Establishment of Sophisticated Instrumentation Centre for Applied Research & Testing (SICART) is one of the major step taken by CVM towards meeting challenges of globalization and liberalization through research and testing of samples from industries and academic institute using sophisticated instrumentation.

SICART is equipped to handle the analysis of wide variety of materials that includes chemicals, new molecules, drugs, medicinal plant plastics, polymers etc. Center has following analytical instruments such as UV-VIS-NIR Spectrometer, FT-IR Spectrometer, HPLC, GPC, GC, GC-HS, GC-MS, HPTLC, Ion chromatography (IC), LC-MS-MS, 400 MHz FT-NMR (with Solid Probe), ICP-OES, Laser Particle Size Analyzer, Laser Flash Thermal Conductivity Meter, Mercury Porosimeter, Micro-Hardness Tester (MHT), C,H,N,S & O Analyzer, Thermal System (DSC, TGA & DTA), Universal Testing Machine (UTM), X-Ray Diffractometer (XRD), Wavelength Dispersive X-Ray Fluorescence (WD-XRF),

Environment Scanning Electron Microscope (SEM) with EDAX, Field Emission Gun Scanning Electron Microscope (FEG-SEM) with EDAX (with Mapping system) and Transmission Electron Microscope (TEM). SICART is funded by the Department of Science & Technology (DST) and recognized as a Scientific & Industrial Research Organization (SIRO) by DSIR Government of India, New Delhi and as Schedule-I Environment Auditor by Gujarat State Pollution Control Board (GPCB).

## ARCP

To meet the needs of Pharmaceutical industries in Gujarat and beyond to provide quality higher education in different disciplines of Pharmacy. Charutar Vidya Mandal (CVM) set up in 1981, the A.R .College of Pharmacy & G H. Patel Institute in Pharma(ARGH) with generous donation from an industrialist Smt. Anjanaben Ashokbhai Shah and an eminent philanthropist Shri Gordhanbhai Hathibhai Patel. A.R. College of Pharmacy & G. H. Patel Institute of Pharmacy (ARGH) is one of the best Pharmacy Institutes in the region At present the institute imparts education in Diploma, Graduate, Post Graduate and Doctoral level studies and conducts research in emerging/ thrust areas of Pharmacy.

## About the Workshop

Sophisticated instruments are a versatile tool amongst the modern analytical techniques. They are now widely used in all chemicals and pharmaceutical industries not only for the routine analysis but also for the development of new chemical and drug formulations LC-MS-MS, GC-MS and HPTLC can measure the purity and impurity profile studies of drugs. IC is useful for detection of anions in drugs. Measurement of particle size distribution in microns and morphology studies of drugs is done by PSA, TEM and SEM. The main focus of the workshop will be on the basic theory, operation and analytical techniques of instruments.

## Who will benefit:

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

## REGISTRATION FORM

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Tele./Mobile No.: \_\_\_\_\_

Email: \_\_\_\_\_

**Whether Accommodation required? (Yes/No)  
(Accommodation charge extra)**

I shall be attending the National workshop on "Advanced Instrumental Techniques in Pharmaceutical Industries" I enclose the registration Fee.

Cash/DD/Cheque: \_\_\_\_\_

Date and cheque No. \_\_\_\_\_

Bank Name: \_\_\_\_\_

Signature: \_\_\_\_\_

**Forwarded through Head of the Institute**

## REGISTRATION

Registration form duly completed should reach the organizing Secretary on or before 5<sup>th</sup> February, 2015.

### Registration fee for participants

Student	Rs.4000/-
Faculty	Rs.5000/-
Industry	Rs.7000/-

Registration fee should be paid by cash or Demand Draft in favor of SICART-CVM, payable at Vallabh Vidyanagar- 388120



HPTLC

LC-MS-MS



FEG Neno Nova SEM 450

TEM Tecnai 20



PSA

IC

GC-MS

**Chief PATRON**  
Dr. C. L. Patel, Chairman, CVM

**PATRON**  
Dr. J. D. Patel, I/c Secretary

**Convener**  
Dr. V. S. Patel  
Director, SICART  
Dr. P. M. Udani  
I/c Director, SICART

**Co-convener**  
Dr. A. K. Saluja  
Principal, ARCP

**Organizing Secretary**  
Dr. G. R. Chauhan

### **Organizing Committee**

Dr. S.V. Patel (SICART)  
Dr. M. P. Patel (SICART)  
Dr. M. R. Tiwari (SICART)  
Dr. K. K. Tiwari (SICART)  
Dr. R. S. Mehta (ARCP)  
Dr. A. B. Solanki (ARCP)  
Dr. H. N. Kapse (ISTAR)

### **Contact for Registration:**

Dr. G. R. Chauhan  
email: [sicart\\_cvm@hotmail.com](mailto:sicart_cvm@hotmail.com)  
web site: [www.sicart.res.in](http://www.sicart.res.in)  
M - 9033707131

National Workshop  
on  
***“Advanced Instrumental  
Techniques in Pharmaceutical  
Industries”***

(LC-MS, HPTLC, GC/GC-MS, IC, SEM/TEM, PSA)

February, 09-14, 2015

Organized by



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



A. R. College of Pharmacy  
Vallabh Vidyanagar, Gujarat  
(Affiliated to GTU, Approval by AICTE,  
Accredited by AICTE-NBA & IAO)

### **Venue**

Sardar Patel Center for Science & Technology  
Charutar Vidya Mandal  
Vallabh Vidyanagar – 388 120  
Phone: (02692) 234966  
Fax: (02692) 238355