

## Charutar Vidya Mandal(CVM)

CVM is charitable trust established by eminent engineer Shri Bhailalbai 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

Chromatography is a versatile tool amongst the modern analytical techniques. The applications of Chromatographic methods have grown explosively in the last forty years, owing not only to the development of several new types of chromatographic techniques but also to the growing need for better methods to characterize complex mixtures. 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. Looking to the need of bringing these latest advanced developments in chromatographic techniques to the benefit of industries and young researchers, SICART has planned to organize a workshop on Chromatography methods. The main focus of the workshop will be on the following aspects:

Classification of chromatography techniques

Basic and applications in various fields of HPLC, HPTLC and GC/GC-MS.

Introduction to Chromatography techniques and its applications.

The course consists of daily lectures by expert faculty drawn from academia and industries, followed by practical training

### Who can attend the workshop?

This program has been specially designed for the benefit of scientists, researchers, academics and technicians from any organization. In addition, desirous people working in commercial addition and industries can also participate. 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 **“HPLC, HPTLC & GC/GCMS”** workshop and I enclose the necessary registration Fees.

**Amount Rs.**

**Signature:**

**Date:**

**By Cash / D.D. No.:**

F.W.C Head of the Institution /  
Organization

## REGISTRATION

Attached registration form duly filled should reach the Convener on or before 22 July, 2017. The registration fee includes participation in Workshop program and Lunch / Tea.

### Registration fees for participants

Participants from students: Rs.1800/-

Participants from Academic staff: Rs.2200/-

Participants from Industry Rs.3000/-

(Service tax extra @ 15 %)

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



HPLC: High Performance Liquid Chromatography



HPTLC: High Performance Thin Layer Chromatography



GC-MS: Gas Chromatography –Mass Spectroscopy

**Chief PATRON**  
Dr. C. L. 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. Rima Sheth

Ms. Dhanvi Patel

Mr. Dipen Patel

Workshop on

“HPLC, HPTLC & GC/GCMS”

July, 27 - 29, 2017

Organized by



Sophisticated Instrumentations Centre  
for Applied Research & Testing  
(SICART)

**Address for Correspondence &  
contact:**

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Hon. Director, SICART

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