



**Gujarat Technological University**  
**Organizes**  
**One Day Workshop on**  
**“Handling of HPLC Instruments & QbD approach”**  
**For Pharmacy Faculties/students of GTU**  
**on 05.02.2015 (Thursday)**

#### **ABOUT THE PROGRAMME**

Under the visionary leadership of **Honb. Dr. Akshai K. Aggarwal**, Vice Chancellor, GTU, Center for Pharmaceutical Studies & Drug Delivery Technologies (CPSD) has successfully organized many workshops to help students/Faculty of the GTU.

HPLC is the most extensively used instrumentation in the Pharmaceutical industry today. The stringent requirements of the Pharmaceutical Industry has also resulted in more and more sophistication in the HPLC instrumentation and Software. In the entire value chain of the Pharma industry HPLC is used especially in the R&D, QA/QC, Impurity Profiling, stability studies, etc.

Center for Pharmaceutical Studies & Drug Delivery Technologies (CPSD), GTU is going to organize one day workshop on “**Handling of HPLC Instruments & QbD approach**” on **5<sup>th</sup> February 2015, Thursday** at GTU, Chandkheda campus. GTU is going to organize this workshop in collaboration with **Waters India Pvt. Ltd.**

#### **OBJECTIVES**

- To understand the fundamentals of HPLC
- Application of HPLC
- To understand different detection techniques
- To understand Method development Approach

#### **COURSE CONTENT IN BRIEF**

- Basic Concept of HPLC technique
- Different methods of clean-up for HPLC
- Standards preparation of HPLC
- Quality by design Approach in Method development
- Installation methods for HPLC
- Operational techniques of HPLC
- HPLC and Column Trouble Shooting

## RESOURCE PERSONS

Technical Experts from Industry will be invited.

## PARTICIPANT'S ELIGIBILITY

- Pharmacy Faculty members including students (of PG/ PhD from **Pharmacy** discipline) from GTU affiliated Pharmacy colleges.  
(Seats are limited for 60 participants only on first come first serve basis)

## TRAVEL AND ACCOMMODATION

Participating faculties/students have to make necessary arrangement for their travel and accommodation and TA/DA will not be provided.

## REGISTRATION FEE

Registration is Free for Faculties & students affiliated with GTU.

## HOW TO REGISTER?

Send Registration form online using below mentioned link on or before 4<sup>th</sup> February 2015, Wednesday (Till 1:00 PM).

<https://docs.google.com/a/gtu.edu.in/forms/d/1JYIVsY2kc0a8LX09KRGJ-FKFCI7g9AtfZZXkkh5Q980/viewform>

## CALENDER OF EVENTS

- Last date of receipt of application : 4<sup>th</sup> February 2015, Wednesday (Till 1:00 PM).
- Date of intimation of selection : 4<sup>th</sup> February 2015, Wednesday (By 4:00 PM).
- **Program Dates** : **5<sup>th</sup> February 2015, Thursday**
- **Venue** : Gujarat Technological University  
Nr. Vishwakarma Govt. Engineering College,  
Nr. Visat Three Roads,  
Visat - Gandhinagar Highway,  
Chandkheda, Ahmedabad – 382424 – Gujarat.

**NOTE:** For any clarification or query send e-mail on [manish.rachchh@gtu.edu.in](mailto:manish.rachchh@gtu.edu.in) or [ra\\_ipr@gtu.edu.in](mailto:ra_ipr@gtu.edu.in) OR call on 079-23267553 OR 9909961894



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**5<sup>th</sup> February 2015, Thursday**

**09.30-10.00 Registration and Breakfast**

**10.00-10.15 Corporate Overview**  
**Mr. Chirag Khambhati**  
Waters India Pvt. Ltd.,  
Ahmedabad.

**10.15-11.00 Understanding of Chromatography and Detection Techniques**  
**Mr. Chirag Dholakiya**  
Waters India Pvt. Ltd.,  
Ahmedabad.

**11.00-12.00 Understanding of Column Chemistry and Column Technologies**  
**Mr. Chirag Dholakiya**  
Waters India Pvt. Ltd.,  
Ahmedabad.

**12.00-01.00 Evolution in Chromatography and Detection Techniques**  
**Mr. Chirag Khambhati**  
Waters India Pvt. Ltd.,  
Ahmedabad.

**1.00-2.00 Lunch Break**

**2.00 – 2.45 Method Development Approach and Quality by design Approach in method Development**  
**Mr. Chirag Dholakiya**  
Waters India Pvt. Ltd.,  
Ahmedabad.

**2.45 -3.30 HPLC and Column Trouble Shooting – General Consideration**  
**Mr. Chirag Dholakiya**  
Waters India Pvt. Ltd., Ahmedabad

**3.30 -3.45 Q & A session followed by High Tea**