



Dr. A.P.J. Abdul Kalam  
Central Instrumentation Facility  
Jiwaji University, Gwalior



Ref. No. CIF/2018/

Date.....

**One day Workshop Program**

<b>PROGRAM TITLE:</b>	<b>CERTIFICATE TRAINING PROGRAM</b>			
<b>WORKSHOP TITLE:</b>	<b>FUNDAMENTALS OF INSTRUMENTAL ANALYSIS - OVERVIEW TRAINING PROGRAM ON HPLC and LCMS</b>			
<b>MODULES:</b>	<b>HPLC and LC-MS</b>			
<b>SCHEDULE:</b>	<b>ONE DAY TRAINING PROGRAM</b>			
Session 1 11:00-12:30		Session 2 1:00-2:15		Session 3 3:15-4:30
Overview- Spectroscopy, components & theory of HPLC, LCMS – Special Lecture By <b>Dr. Santos Bhardwaj</b> From <b>Shimadzu Analytical India Pvt. Ltd</b>	<b>12:30 - 1:00</b> <b>Tea Break</b>	<b>HPLC</b>	<b>2:15 - 3:15</b> <b>Lunch Break</b>	<b>LC-MS</b>

**SYNOPSIS**

**HIGHLIGHTS**

This one-day training program on Spectroscopy and Chromatography will introduce the theory, principle of working and applications of Liquid Chromatography-Mass Spectrometry (LC-MS) and HPLC, followed by demo sessions.

**OBJECTIVE**

The objectives of this training program on HPLC, LC-MS are two-fold:

- provide basic instrumentation knowledge complemented with operational demo sessions
- appreciate the scope and capabilities of these instruments across different matrices

### **OUTCOME**

Participants will be able to

- have a working knowledge of LC-MS, HPLC analyses
- understand the principles behind these methodologies
- obtain basic information from the chromatogram/spectra and interpret them
- opt for a career in QA/QC or progress to the advanced training modules

<b>COURSE FEE</b>	<b>WHO CAN APPLY</b>	<b>PROGRAM DATES</b>
Rs.INR 300/-	Degree or PG in Science, Pharmacy Engineering & Medicine	The Workshop on the 25-01-2019

Signature of Co-Ordinator



# Central Instrument Facility Jiwaji University, Gwalior

Affix passport  
size photograph

## Registration form

1. Name (in block letters): \_\_\_\_\_
2. Subject: \_\_\_\_\_
3. Department: \_\_\_\_\_
4. Educational qualification: \_\_\_\_\_
5. Mobile: \_\_\_\_\_
6. Email: \_\_\_\_\_
7. Date: \_\_\_\_\_

Signature

Signature of Head/Co-ordinator  
(Seal)

Note: (i) Application submitted at CIF.  
(ii) Registration Fee Rs. 300/-

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### Receipt

1. Name (in block letters):-----
2. Amount Rs. 300/-
3. Department:-----

Signature

