

## TRAINING PROGRAM

INFORMATIVE  
COMPREHENSIVE  
AFFORDABLE  
ADVANCED  
THEORETICAL  
HANDS ON TRAINING  
METHOD DEVELOPMENT  
APPLICATION



**ADARSH SCIENTIFIC  
RESEARCH CENTER  
AND TESTING LAB  
PVT. LTD.**

Details matter trust the experts

### About ASRCTL

We Adarsh Scientific Research Center & Testing Laboratories Pvt. Ltd. are dealing with testing of Food, Pharma & Water product and equipped with all sophisticated modern instruments like ICP-OES, GC-MS/MS, GC-FID, HPLC etc. We are dedicated to provide quality testing and diverse services, which our esteemed clientele would vouch for.

Our aim is to bring world class Food, Water and Pharma testing using the latest technology and analysis standards.

### What ASRCTL provide ?

We provide testing facilities in pharmacy, food and water. Along with this we also provide instrument training programme including demonstration, application, method development, optimization and technical authoring for analyst, academic institutes, company professionals, laboratory technicians, students.

The training courses provide a fundamental introduction to common techniques and methods used in Analytical Chemistry.

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**Note: We provide accommodation facility on demand to outstation students.**

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### Why to attend ASRCTL Training programme ?

This programme is designed to provide comprehensive training in analytical chemistry and its implementation in a variety of fields including biomedical, pharmaceutical, food and environmental analysis.

The need to meet increasingly stringent regulatory and quality requirements has resulted in greater emphasis on method validation, evaluating measurement uncertainty and establishing the traceability of results.

Attending ASRCTL's training courses will help you to meet your regulatory requirements by giving your customers confidence in the quality of the data you produce.

Those individuals with enhanced skills are better placed to take advantage of workplace opportunities, helping to build a rewarding career and contribute to their future.

Our team of trainers has extensive experience of analytical chemistry with expertise in method validation, measurement uncertainty, traceability, reference materials and proficiency testing. This ensures that our training can meet the needs of individual.



## What you will learn?

At the end of the program participants would have strong understanding of following areas

- Theory & Methods.
- Method development and Validation.
- Operating the instrument.
- Validation of the instrument.
- Trouble-shooting of the instrument.

**Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES):**



**UV Spectrophotometer:**



**GCMS/MS & GC-FID:**



**Dissolution Test Apparatus Ds 8000:**



**High Performance Liquid Chromatography (HPLC):**



**Brookfield Viscometer:**



**Fourier Transform Infrared Spectroscopy (FTIR):**



**Rotary Flash Evaporator:**



## 1 Certificate Courses in Analytical Techniques | This is a perfect introduction for absolute beginners to chromatography techniques.

Course	Instruments covered	Fees ₹	Duration (10a.m to 5p.m)
I	HPLC	9000	5 days
II	GC-MS/MS, GC-FID	9000	5 days
III	ICP-OES	9000	5 days
IV	HPLC, GC-MS/MS, ICP-OES	20000	10 days

### Learning outcomes:

At the end of the programme participants would have strong understanding of theoretical and practical aspects of following areas:

(Covered theories and demo of instrument)

- Instrumentation
- Separation process
- Sample types
- Sample introduction
- Analytes
- Detectors
- Chromatograms
- Qualitative data analysis
- Analytical columns
- Quantitative data analysis
- Stationary phases
- Sampling techniques
- Mobile phases
- Applications

## 2 Diploma courses in analytical techniques | This course is combination of theory and hands-on practical training in a laboratory environment.

Course	Instruments covered	Fees ₹	Duration (10a.m to 5p.m)
I	HPLC	15000	1 month
II	GC-MS/MS, GC-FID	30000	1 month
III	ICP-OES	20000	1 month
IV	HPLC, GC-MS/MS, GC-FID, ICP-OES	60000	2 months

### Learning outcomes:

At the end of the programme participants would have strong understanding of following areas:

- Theory & Methods.
- Method development.
- Operation of instruments.
- Calibration of instruments.
- Training on ISO/IEC – 17025 Regulations

**Note :** This is industry orientated training on samples