



## BE AN EXPERT IN ANALYTICAL INSTRUMENTATION

Upgrade oneself from a wet chemist to an instrumentation expert.

IN ASSOCIATION WITH

**KSHETRA ANALYTICALS AND CHALAPATHI DRUG TESTING LABORATORY**

PROVIDING EXCITING OPPORTUNITY FOR JOB SEEKERS IN THE LIFE SCIENCE SECTOR

(INTENSIVE HANDS-ON TRAINING IN ANALYTICAL INSTRUMENTATION)

**SATURDAY AND SUNDAY BATCHES-** Starting from 03 April 2024

### CERTIFICATION COURSE IN ANALYTICAL INSTRUMENTATION

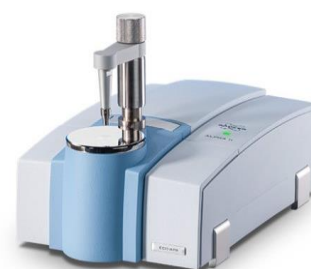
**Objective:** All industries have adopted an automated process for the analytical testing of manufacturing products. There is an increasing demand for skilled employees in the pharmaceutical, chemical, food, cosmetics, and biotech sectors. Spectroscopy and chromatographic techniques play a crucial role in the discovery process. Moreover, HPLC, GC, HPTLC, and LC-MS/MS instruments are frequently used in analytical research and quality control sectors. It is necessary to expand the knowledge of current sophisticated analytical techniques.

After the completion of graduation or post-graduation studies, people search for job vacancies in the private industry. Owing to the increasing demand for trained people, companies always select experienced candidates for R&D and Quality control. Completing post-graduation will never open the gates of industry. Certain special skills must be acquired before attempting any interviews. It is now necessary to impart the current industry regulations to students. We designed the course in such a way that they would reflect the work in analytical laboratories.



## Key benefits and learning outcomes

- ✓ Intensive course training
- ✓ Good weighing practices and preparation of stock solutions
- ✓ Preparation of volumetric solutions (Molar, Normal, and Dilutions)
- ✓ Analysis of APIs and Formulation as per monographs
- ✓ Preparation and Handling of Working Standards
- ✓ Systematic approach to the development of analytical methods
- ✓ Analytical Validation and statistical evaluation
- ✓ Application of RP-HPLC method in dissolution testing
- ✓ Compatibility studies through FTIR & DSC analysis
- ✓ Morphological analysis of pharmaceutical products
- ✓ Estimation of drugs in Blood and plasma samples
- ✓ Forced degradation, stability studies, and Impurity profiling of pharmaceutical products
- ✓ Solvents, Pesticides, and Fatty acids estimation in residues
- ✓ Quality control of herbal drugs
- ✓ Operation and Calibration of equipment
- ✓ Maintenance and Troubleshooting
- ✓ Column chemistry and handling of columns
- ✓ Regulatory aspects of method validation
- ✓ Good documentation practices (Preparation of SOPs and STPs, Analytical reports)
- ✓ Preparation of Analytical worksheet templates
- ✓ Preparation of Analytical reports and COAs
- ✓ Auditing of analytical reports
- ✓ Application of AI tools in research and review manuscript writing
- ✓ Guidance on interview and resume preparation
- ✓ Course assessment and course completion certificate



**Course Name** : CERTIFICATION COURSE IN ANALYTICAL INSTRUMENTATION

**Program code**: ACAI-CLPT-0224

**Duration** : 20 days

**Bach** : 10 Nos

**Timings** : 9:30 am to 5:00 pm

**Venue** : Chalapathi Drug Testing Laboratory, C/O. Chalapathi Institute of Pharmaceutical Sciences, Lam, Guntur.

**Fee** : INR 3000/-

**Eligibility** : Life science courses (B.Sc, M.Sc), Pharmacy (B.Pharm, M.Pharm, Ph.D.), and Research scholars.

**Last date of registration**: 20<sup>th</sup> March 2024

**Registration at**: <https://forms.gle/Nqp2hyRoW1DcumSF7>

**Payment details**: Payments are accepted either on campus, bank accounts, or online transfers.



Bank Account details:

A/c Holder's Name : Chalapathi Institute of Pharmaceutical Sciences

Bank Name : Axis Bank

A/c No. : 921010014819194

Branch & IFS Code : Brodipet, Guntur

IFSC code : UTIB0000070

Scan to pay from any UPI app (online transfer).


**Note**: You must keep the payment proof and upload it on our registration form when online transactions are conducted.


## ACCREDITED AND RECOGNIZED





## CONTACT US


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**We cordially invited you to attend hands-on training sessions at our facility**