



Maulana Azad Educational Trust's

Y. B. Chavan College of Pharmacy

(B. Pharm., M. Pharm. & Research Centre)

ISO 21001:2018 & 14001:2015 | NIRF 2023 AIR 80th
NAAC ACCREDITATION "A" GRADE (CGPA SCORE 3.23)

Dr. Rafiq Zakaria Campus, Dr. Rafiq Zakaria Marg, Rauza Bagh, Aurangabad-431001 | www.ybccpa.ac.in

Course Module

SHORT TERM TRAINING PROGRAM(STTP) ON HPLC

Introduction

Quality Assurance (QA) and Quality Control (QC) is a dynamic and challenging profession that is vital to make safe and effective healthcare products available worldwide. With increased regulatory pressure on the pharmaceutical industry, there is growing need for capable and efficient QA and QC professionals who can ensure product quality.

Aims and Objectives

The aim of STTP in Analysis is to train specialists who can be effective teachers, Analytical experts and research workers in the specialized field of Analysis. This course is designed to develop in-depth theoretical knowledge with hands-on skills and practical exposure to the students to perform Analytical Testing using HPLC competently and confidently.

Duration of course

STTP duration is 30 Hours covering Theory and Practical

Eligible Candidate

- A student holding Bachelor degree of sciences, Pharmacy, Technology etc. is eligible for admission to STTP.
- Students pursuing the Masters degree of sciences, Pharmacy, Technology etc. are also eligible for admission to STTP.
- Industrial persons from R&D, QA/QC Dept. or working in any analytical fields are also eligible for admission to STTP.

Course structure Theory

Module I: General Chapters

- Basic Principle, Instrumentation, Application, Advantages and Disadvantages of High Performance Liquid Chromatography (HPLC Shimadzu P series).

Module II: Method Development and Validation

- Introduction to Method Development and validation
- Study of parameters in Method development.
- Importance in Research and Quality control.
- 2) Importance and need of validation in Analysis
- Study of Validation parameters according to ICH guidelines

Practicals-Module III

- HPLC Software learning
- Instrument handling
- Single component formulation analysis on HPLC
- Multi-component formulation analysis on HPLC
- Qualitative drug analysis and interpretation on HPLC
- Study of Validation parameters

Fees structure

INR 1000/- (Indian Rupees One Thousand five hundred Only)