



Key Features:

- Hands on Experience on various pharmaceutical techniques
- Multidisciplinary training under one roof
- All the modules are designed to fulfill the requirement of Pharma / R&D Labs etc
- Hands on experience in Pharma and Biotechnology
- Job Oriented

Module I: Pharmaceutical Microbiology

- Identification Of Microbial Contaminants of Pharma Products
- Identification Of Sources of Microbial Contaminants of Pharma Products
- Sterility Testing
- Endotoxin Testing
- Minimum Inhibitory Concentration Testing
- Antimicrobial Effectiveness Testing

Module II: Pharmaceutical Chemistry

- Moisture Content Analysis
- End Point Detection of Chloroquine Phosphate , Estyle Salicylate etc
- Nitrogen Estimation
- To perform assay of different Pharma Formulations
- To perform Qualitative and Quantitative Analysis of various inorganic salts
- To perform assay of different pharma compounds by NAT_PT
- To determine ratio of metal ligand in a complex using Job's Method

Module III: Pharmaceutical Analytical Chemistry

- Analysis of Assay From HPLC
- Purity And Impurity Analysis From HPLC
- Purification of Protein through Gel Filtration Chromatography
- Separation of Protein through SDS-PAGE: Reducing & Non Reducing
- Western blot (immunoblot). Technique for detection of protein of interest in a mixture of proteins
- Estimation of total protein concentration through UV-Vis : BCA Method

Module IV: Pharmaceutical Biotechnology

- Isolation , Purification and Characterization Of DNA
- Isolation, Purification and Characterizaion of Plasmid DNA
- Isolation, Purification and Characterizaion of RNA
- Transformation
- Southern & Northern Blotting
- PCR

Module V: Pharmacognosy

- Test for presence of Alkaloids and Glycosides in Herbal Medicinal Plants
- Screening of Plants Metabolites
- Screening of antioxidants in Herbal Plants
- Extraction of active constituents form herbal plants
- Genetic Manipulation in Plants

Eligibility: M.Pharm / B.Pharma | M.Sc / M.Tech form Life Science Stream passed or final semester candidates only.

Admission: Any time though out the year (If Seats are available)

Service Charges: Rs 35,000/-

Duration: Six Months