

CERTIFICATE COURSE IN HERBAL AND PHARMA

Purpose of Program

The Indian Pharma industry is has been growing at a compounded annual growth rate (CAGR) of more than 15 per cent over the last five years. By 2020, India is likely to be among the top three pharmaceutical markets by incremental growth and sixth largest market globally in complete magnitude. Hence today pharmaceutical companies need highly expertise professionals who can face global challenges. So Rapture Biotech is designed a one month Certificate course program to prepare trained experts under skilled supervisors, to perform different practices in herbal and pharma industry.

Overview of Courses

Module 1: Introduction to Herbal and Pharma

Introduction to herbal and pharma drugs, Standardization of Herbal drugs, Bioprospecting, Good Practices/Techniques in Herbal Products (GMP/GLP/GCP), Standardization & Quality Evaluation of Herbal drugs, Development of new drug/ novel uses for Ayurvedic drugs, Important Aspects involved in Utilization of Medicinal Plants, India's strength in Herbal Technology, Advantages of herbal drugs. Raw drug standardization, Medicinal Plant Extracts, Physical standardization of herbal drugs, Biological activity of herbs, MIC, MBC of herbal drugs.

Module 2: Assay of Phytochemicals

Phytochemicals, different Classes of phytochemicals, Qualitative assay of different phytochemicals, Synergistic and antagonistic effect of herbal drug, Quantitative assay of different phytochemicals through spectrophotometrically, Standard Curve and Data Interpretation, Thin Layer Chromatography and Column chromatography of different plant products.

Module 3: Qualitative analysis of Pharmaceutical drugs

GLP/GMP in Pharmaceuticals, Adverse reaction, Clean room concept, Raw material test, Concept of preparation of tablets, Method Development and Validation, Solution Appearance, Identification in microorganisms in drug, Water Analysis, Tablet hardness test, total water content in drugs, Biochemical tests, Percentage purity of different tablets, Antibiotic sensitivity, MIC test of different antibiotics.

Module 4: Quality analysis of different suspension drugs

Different salt test, Stability Testing of Pharmaceutical Products, I.P.Q.C Test for syrups and suspension (Drug contents determination, Assay of active ingredients, pH, Weight per ml, particle size), preparation of syrup, I.P.Q.C TEST FOR INJECTABLES(Drug contents determination, Clarity test, pH, Pyrogen test, Stability test, Checkup of particulate matters).

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