



NIRMALA COLLEGE OF PHARMACY
Atmakur, Mangalagiri, Guntur (Dt), Andhra Pradesh, India

M.PHARMACY COURSE PROGRAMME SPECIFIC OUTCOMES (PSO's)

M. PHARM (PHARMACEUTICS)

PSO₁: Employ drug delivery system concepts to create, innovative formulations and effective dosage forms by using quality assurance and technology transfer solutions.

PSO₂: Examine critique, organize, improvise, and manage documents, data, and information pertaining to the Pharmaceutical manufacturing process.

PSO₃: Able to establish a Pharmaceutical manufacturing unit in the form of pilot scale technique to create and develop pharmaceutical dosage forms.

M.PHARM (PHARMACEUTICAL ANALYSIS)

PSO₁: Handle a variety of advanced instrumental techniques for drug identification, characterization, and quantification of impurity detection and profiling, contaminants in Pharmaceutical formulations, Phytopharmaceutical stability testing, and protocol development.

PSO₂: Helps in gaining a better understanding of validation and how it is used in industry, as well as its methodology and applications in manufacturing processes of food ingredients in its finished food products, food additives, and pesticides.

PSO₃: To understand spectroscopic pharmacopeial tests, calibration procedures, preservative determination, and vitamin content in pharmaceuticals and foods.

PSO₄: To build up expertise in a variety of hyphenated analytical instrumental techniques for drug identification, characterization, and quantification from biological samples utilizing various methodologies, and analytical methods.

PSO₅: To gain knowledge of pharmaceutical quality assurance issues such as CGMP, documentation, certifications, GLP, and other regulatory affairs.

M.PHARM (PHARMACOLOGY)

PSO₁: Understand about the drug action and correlation of scientific information to pharmacokinetics and pharmacodynamics concepts in the pre-clinical and clinical drug discovery process using pharmacological models.

PSO₂: Demonstrate the knowledge of professional and ethical responsibilities in clinical and non-clinical laboratory as required by regulatory bodies.

PSO₃: Judge about the pharmacological screening models for investigation through logics and enhance the problem solving ability.

PSO₄: Demonstrate, expertise and application of core knowledge and skills in relation to the evolving biomedical, clinical, epidemiological and social-behavioral sciences. This includes competency in areas supporting high quality pharmacy practice (e.g., Pharmaceutics, Medicinal chemistry, Pharmacokinetics, Pharmacodynamics, Pharmacology, Pathophysiology, Pharmaco-therapeutics and Pharmaceutical care)