

# NIMRA COLLEGE OF PHARMACY

Nimra Nagar, Jupudi, Ibrahimpatnam, Vijayawada, Andhra Pradesh-521456

## **M PHARM PROGRAM OUTCOMES**

### **M.PHARM (PHARMACEUTICS)**

**PO 1:** Impart knowledge on the novel drug delivery systems, approaches, criteria for the selection of polymers and drugs and their formulation and evaluation.

**PO2:** To know various preformulating elements, industrial management and GMP considerations, Pilot Plant Scale up Techniques, Stability testing, sterilization and packaging of dosage forms.

**PO3:** To impart knowledge and skills for dose calculations, dose adjustments and apply biopharmaceutics theories in practical problem-solving. The pharmacokinetic models, bioequivalence and potential clinical pharmacokinetic problem analysis

**PO4:** Skill development in Pharmaceutical research, Pharmacoinformatic, in drug development in Computational modelling, Preclinical development, clinical development, Artificial Intelligence and Robotics, and Computational fluid dynamics.

**PO5:** To impart knowledge and skills necessary for cosmetics and cosmeceuticals, their safety and efficacy and current technologies in cosmetic industry.

**PO 6:** To create a talent pool by involving students in research projects and to make students undertake research projects under faculty guidance for publication.

**PO7:** To foster ambitious desire among students to undertake higher studies and career growth.

**PO 8:** Apply knowledge to create newer technology and skills in pharmaceutical technology development and research.

### **M.PHARM (PHARMACEUTICAL ANALYSIS)**

**PO1:** To deal with various advanced instrumental techniques for separation, identification, characterization, and quantification of drugs in bulk, formulation & biological samples.

**PO2:** To know the science of detection of impurities, stability of the product and regulatory guidelines.

**PO3:** To impart knowledge on analysis of food constituents and finished food products, food additives, the pesticides and the regulations of food and legislations of food products

**PO4:** To understand validation and its application in industry, their methodologies and application in manufacturing processes

**PO5:** To know about quality assurance aspects of pharmaceutical industries such as CGMP, Documentations, certifications, GLP, and other regulatory affairs

**PO6:** To create a talent pool by involving students in research projects and to make students undertake research projects under faculty guidance for publication

