



# SIR C.R.REDDY COLLEGE OF PHARMACEUTICAL SCIENCES

(An ISO 9001 : 2015 Certified Institution)

(Affiliated to Andhra University, Visakhapatnam; Recognized by Dept.of Technical Education, Govt.of A.P)

(Approved by AICTE & PCI, New Delhi)

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## M PHARM PROGRAM OUTCOMES

### M.PHARM (PHARMACEUTICAL ANALYSIS)

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

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

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

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

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

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

### M.PHARM (PHARMACOLOGY)

PO 1: Acquire a strong knowledge in theoretical & Practical aspects of Pharmacology subjects along with necessary skills.

PO 2: Gain Knowledge on modern Pharmacological tools and software's associated with Research and development.

PO 3: Must be able to compete in the modern Pharmacological domains of the industry like Pharmacovigilance, Regulatory affairs and new drug developments.

PO 4: Able to apply knowledge on new natural, synthetic and semi synthetic drug developments and must be able to provide most modern data acquisition and analysis system in the biological and Pharmacological research.

PO 5: Demonstrate High throughput screening mechanism in new drug discovery and development of challenging and expensive activities of the Pharmaceutical Industry.

PO 6: Succeed in pharmaceutical industry or academics through innovative teaching methodologies that stimulates students to self-learning and extend their knowledge.

### **M.PHARM (PHARMACEUTICS & PHARMACEUTICAL TECHNOLOGY)**

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.