

GIET SCHOOL OF PHARMACY

NH-16 Chaitanya Knowledge city. Rajahmundry – 533 296

M PHARM PROGRAM OUTCOMES

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

M.PHARM (PHARMACEUTICAL QUALITY ASSURANCE)

PO 1: Develop consistency in quality related problem identification, analysis and solving.

PO 2: Conceptualise research ideas, develop oral and written communication skills including soft skills, frame and evaluate hypothesis by collating and interpreting data to draw meaningful conclusions.

PO 3: Inculcate a sense of fair play, social values and professional ethics.

PO 4: Acquire skills in managing human, financial and other resources efficiently to achieve the project objectives and stakeholder's satisfaction.

PO 5: Demonstrate competency in designing and using various quality tools for troubleshooting.

PO 6: Acquire skills in implementing modern tools like Quality by Design (QbD), Process Analytical Technology (PAT), Design of Experiments (DoE) and Technology Transfer etc.

PO 7: Demonstrate competency in the area of pharmaceutical quality systems, drug development research and drug regulations.

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.