



PSG COLLEGE OF PHARMACY

Post graduation - M. Pharm

Program Outcome – (PO) Version 3

M.Pharm – graduates will

PO1: The graduates will have a strong basic foundation in different fields of specialization in pharmacy higher education. The graduates are able to design and perform research work, communicate research findings, critically evaluate research outcomes in their field of interest.

PO2: The graduates will have successful professional career path by applying their technological, quality Control skills in the development of pharmaceutical products for R&D, industrial need, drug discovery and development.

PO3: Graduates will be able to integrate the pharmacy discipline to evolve newer technologies, innovative products and become entrepreneurs.

PO4: Graduates will follow professional ethics committed and be a pharmacist to the societal development and become a leader in their field of interest.

Program Specific Outcomes

Specialization: M. Pharm Pharmaceutics

PSO 1: Graduates will gain in-depth knowledge and apply principles of drug delivery system in the development of modern dosage forms.

PSO 2: To identify innovative solution in the area of formulation development using molecular pharmaceutics and to learn the principles of biopharmaceutics and pharmacokinetics and cosmetics to overcome trouble shooting in formulation development.

PSO 3: Ability to collect data, analyze, organize, improve and manage documents related to modern pharmaceutical production process, quality assurance, technology transfer and international drug regulatory requirements.

PSO 4: Utilize computational modeling to analyze and interpret biological data for developing generic / new dosage form development.

Specialization: M. Pharm Pharmacology

PSO 1: Graduates can explain and understand the basic cellular function and molecular pharmacology. They are able to apply the basic knowledge in drug discovery.

PSO 2: Graduates can design protocols to test efficacy, safety and toxicity of the developed new chemical entities as per guidelines.

PSO 3: Graduates can understand pharmacological actions, adverse reactions, mechanism of action and therapeutics of the drugs through systemic pharmacology including adverse drug reaction reporting and pharmacoepidemiology.

PSO 4: Graduates can apply computational knowledge in drug design development & clinical trial conduction and can design clinical research projects.

Specialization: M. Pharm Pharmacy Practice

PSO1: Graduates gain knowledge and skills in clinical, hospital and community pharmacy settings which include medication related problems, individualized drug therapy and distribution & dispensing of medicines.

PSO2: Graduates can design clinical research and follow ethical and regulatory guidelines in research

PSO3: Graduates gain knowledge in Pharmacoepidemiology, fundamental principles of Pharmacoconomics and their applications

PSO4: Ability to understand the pharmacokinetics of the drugs and able to correlate basic concepts of pharmacogenetics, pharmacometrics.

Specialization: M. Pharm Pharmaceutical Analysis

PSO 1. Able to develop theoretical and practical skills of the hyphenated instruments and Identification of organic compounds

PSO 2. Analysis of impurities in drugs, stability studies of drugs and Biological products.

PSO 3. Develops skills to apply the knowledge of guidelines and validation to instruments

PSO 4. To understand the determination of herbal remedies, food products and its regulations.