

B.Pharm - Program Specific Outcomes (PSO's)

PSO 1: Detail understanding of theoretical and practical knowledge of all core and allied subjects of pharmaceutical sciences, which consist of dosage form design, routes of administration of various drugs, their mechanism of action, chemical moiety involved, doses of drugs, patient treatment, patient counseling, drug dispensing, hospital administration, drug manufacturing, QA/QC and regulation etc.

PSO2: Highlight the concepts and operative components of pharmacovigilance, clinical pharmacy, hospital pharmacy, community pharmacy, pharmaceutical care, pharmacovigilance, pharmacoeconomic, clinical research, clinical pharmacokinetics and other related areas for the benefit of academicians, hospital/community pharmacists and industry, emphasizing the consequences of the use of medications.

PSO3: Rigorous core course-work in biopharmaceutics, drug transport, pharmacokinetics & pharmacodynamics, drug delivery systems, cell and molecular biology, synthetic and macromolecular chemistry, chemical and biomedical engineering, materials science, physiology and pharmacology

PSO4: Emphasis on Drug Discovery and Design, Drug Delivery, Drug Action and Clinical Sciences, Drug Analysis, Cost Effectiveness of Medicines (Pharmacoeconomics), Drug Regulatory Affairs etc.

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B. Pharm - Program Outcomes (POs)

The Graduate shall be able to:

PO1. Domain Knowledge: Demonstrate comprehension of basic principles of pharmaceutical and allied sciences in all pertinent scenarios. Exhibit skills associated with the profession of pharmacy, pharmaceutical manufacturing practices and quality control.

PO2. Problem analysis: Use domain knowledge, analytical and critical thinking for solving problems and taking decisions during everyday practice in profession, industry and all work environments.

PO3. Research and Development: Exhibit knowledge from his major domain in problem identification, critical thinking, analysis and providing solutions to pharmaceutical and allied technology disciplines.

PO4. Modern tools usage: Demonstrate an ability to handle/use various tools, apparatus, instrument, equipment or machinery pertinent to the pharmaceutical domain with practical knowledge on standard operating procedures and safety aspects.

PO5. The Pharmacist and Society: Use contextual knowledge – informed reasoning to understand medical prescription, perform patient counseling. Recognize the necessity to engage in independent and life-long learning.

PO6. Environment and sustainability: Demonstrate knowledge and responsibility while handling pharmaceutical techniques/ processes that have social and environmental impacts and promote sustainable development.

PO7. Ethics: Demonstrate exemplary professional, ethical, and legal behaviors in accordance with all drug, pharmaceutical, and pharmacy-related central, state laws and regulations.

PO8. Individual and Team skills: Function effectively as an individual member or leader in different teams and multidisciplinary settings. Assume a participatory or lead role in an organization's planning and execution of transformational projects to enhance its prospects.

PO9. Communication: Communicate effectively with the pharmaceutical scientific community, workforce and with society at large, with abilities to comprehend and write effective reports, make effective presentations and documentation.

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PO10. Project management abilities: Demonstrate effective delegation and organizational skills. Organize work with necessary planning and execution to meet deadlines. Demonstrate knowledge and understanding of pharmaceutical, legal processes and apply them in project management.

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