

THE PROGRAM OUTCOMES OF B.PHARMACY

PO1. Pharmacy Knowledge: Graduates will acquire adequate Pharmacy knowledge and comprehension of the core and basic principles of Pharmaceutical and Medicinal chemistry, Pharmaceutics including Cosmetology, Pharmacology and Pharmacognosy. They will also have hands on training of practical aspects of Synthesis of APIs and its intermediates along with Formulation and Development, Analysis and Quality assurance of various pharmaceutical dosage forms including those of herbal origin as per standards of official books, WHO, and other regulatory agencies.

PO2. Planning Abilities: Graduates will develop an ability to visualize and work on multidisciplinary tasks. They will be able to demonstrate necessary skills to Develop and implement plans and organize work to meet deadlines. They will demonstrate an adaptable, flexible and effective approach towards organizational development.

PO3. Problem Analysis : Graduate will be able to think logically and solve the problems, will develop an ability to conduct, analyze , interpret data in making decisions during regular practices of pharmaceutical experiments in various departments (Eg: Drug discovery, Formulation & Development, Production, Quality control & Quality assurance etc) as per the needs of pharmaceutical industries and shall make defensible decisions.

PO4. Modern tool usage: Graduates will Learn, select and master the key concepts in the discipline of their interest in pharmaceutical sciences. They will demonstrate these skills to use modern pharmacy related computing tools, software, and equipments to analyze & solve problems.

PO5. Leadership Skills: Graduates will develop interpersonal skills such as influencing others, negotiating and working with others, conflict management and leading others through the problem-solving process. They will be able to lead and function both individually and as a member of a team. They will assume participatory role as responsible pharmacist or leadership role when needed to facilitate improvement in health and well being.

PO6. Professional Identity : Graduates will apply theoretical and practical skills developed through classroom, laboratories and team project experiences and thus will develop confidence and will be able to i) do specialized research in the core and applied areas of

pharmaceutical sciences. ii) Manufacture, analyze and assure the drug based formulations. iii) Promote and market the pharmaceuticals and iv) train the budding pharmacist to become self-reliant pharmacist and a health care professional.

PO7. Pharmaceutical Ethics: Graduates will demonstrate knowledge of professional and ethical responsibilities as per pharmaceutical jurisprudence. The graduates will swear by a code of ethics of Pharmacy Council of India in relation to community and shall act as integral part of a health care system. They use ethical frameworks, apply ethical principles and will demonstrate honesty, integrity, ethical understanding, and respect for others and will carry out their professional responsibilities by adhering to high ethical standards.

PO8. Communication Skills: The graduates will acquire good interpersonal oral communication and writing skills. They will be able to demonstrate knowledge and proficiency with current audio-visual presentation technologies and develop an ability to communicate scientific knowledge in non-expert/lay term by adopting various modes of scientific communications (e.g., abstract, manuscripts, project reports, oral and poster presentations etc). This will allow effective exchange of professional information.

PO9. Pharmacist and Society: Graduates will demonstrate the impact of pharmacy knowledge on the society and also will be aware of modern issues. They will create awareness of healthcare issues through interactions with others and will gain a sense of self-respect towards community and citizenship.

PO10. Environment & Sustainability: Graduates will be able to demonstrate a high-level of understanding of the key stages in drug discovery, development, and commercialization. This will lead to the manufacturing of drugs and pharmaceuticals considering its impact on the environment and surrounding.

PO11. Lifelong learning: They will be able to demonstrate knowledge and skills in all disciplines of Pharmaceutical sciences and develop a sound pharmaceutical care plan to manage medication-related problems. They will retrieve, evaluate, and apply current drug information in the delivery of pharmaceutical care and assure safe and accurate preparation and dispensing of medication.