



“बेटी बचाओ, बेटी पढ़ाओ”

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FACULTY OF PHARMACEUTICAL SCIENCE

PROGRAM OUTCOMES

Program Code	Program Name	Program Outcomes
18.1	B.PHARM.	<ol style="list-style-type: none">1. Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioural, social, and administrative pharmacy sciences; and manufacturing practices.2. Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.3. Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.4. Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.5. Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfilment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.
13.1	M.PHARM.(PCE)	<ol style="list-style-type: none">1. Imparting theoretical knowledge and practical skills with the use of various advanced analytical instruments including NMR, Mass spectrometer, IR, HPLC, GC etc.2. It shall be applicable for identification, characterization, qualitative and quantitative analysis of various drugs in single and

		<p>combination dosage forms.</p> <ol style="list-style-type: none"> 3. Imparting knowledge on various aspects viz. manufacturing of bulk, formulations in pharmaceutical industries. 4. To understand the system as whole component wise studies is dispensed i.e., about preformulation studies, Active Pharmaceutical Ingredients, Generic drug Product development, Industrial Management, GMP Considerations, Optimization Techniques, Pilot Plant Scale Up Techniques, Stability Testing, sterilization process and packaging of dosage forms. 5. The information on regulatory affairs serves to gain advanced knowledge and skills required to learn the concept of generic drug and their development, various regulatory filings in different countries, different phases of clinical trials and submitting regulatory documents : filing process of IND, NDA and ANDA 6. The knowledge of Bio pharmaceuticals & Pharmacokinetics is for development of skills necessary for dose calculations, dose adjustments and to apply bio pharmaceuticals theories in practical problem solving. Basic theoretical discussions of the principles of bio pharmaceuticals and pharmacokinetics are provided to help the students' to clarify the concepts.
<p style="text-align: center;">13.2</p>	<p style="text-align: center;">M.PHARM.(PCO)</p>	<ol style="list-style-type: none"> 1. An ability to independently carry out research and development work utilising modern tools and employing problem analysis skills to solve practical problems. 2. An ability to write and present substantial technical documents reports and communicate effectively. 3. Interdisciplinary knowledge to find solution for the complex biological problems. 4. An ability to demonstrate a degree of mastery over the area of specialization in terms of pharmaceutical knowledge, learning aptitude, managerial and administrative skills, computational and informatics skills in academia, manufacturing, clinical and allied sectors . 5. An ability to lead in terms of team building, planning, motivating and ethically executing professional responsibilities and establish professional identity in the society. An ability to comprehend the impact of solutions in societal and environmental contexts, and explore the knowledge of and need for sustainable development and apply the knowledge to solve such problems.

