

# PROGRAM OUTCOMES

## PROGRAM: M. PHARM (Pharmaceutics)

Program Outcomes are narrower statements that describe what students are expected to know and be able to do upon the graduation. These relate to the skills, knowledge, and behaviour that students acquire in their enrolment through the program.

**PO1 Scholarship of Knowledge:** Develop an understanding for the need of pharmaceutical sciences and technology towards giving quality life to people in society through the quality of medicines.

**PO2 Critical Thinking:** Analyze complex pharmaceutical problems critically; apply independent judgment for synthesizing information to make intellectual and/or creative advances for conducting research in a wider theoretical, practical and policy context.

**PO3 Problem Solving:** Think laterally and originally, conceptualize and solve pharmaceutical problems, evaluate a wide range of potential solutions for those problems and arrive at feasible, optimal solutions after considering public health and safety, cultural, societal and environmental factors in the core areas of expertise.

**PO4 Research Skills:** Extract information pertinent to unfamiliar problems through literature survey and experiments, apply appropriate research methodologies, techniques and tools, design, conduct experiments, analyse and interpret data, demonstrate higher order skill and view things in a broader perspective, contribute individually/in group(s) to the development of scientific/technological knowledge in one or more domains of pharmaceutical sciences.

**PO5 Usage of modern tools:** Create, select, learn and apply appropriate techniques, resources, and modern instruments and IT tools, including prediction and modelling, to complex pharmaceutical activities with an understanding of the limitations.

**PO6 Collaborative and Multidisciplinary work:** Collaborative-multidisciplinary scientific research, demonstrate a capacity for self-management and teamwork, decision-making based on open-mindedness, objectivity and rational analysis in order to achieve common goals and further the learning of themselves as well as others.

**PO7 Communication:** Communicate with the pharma community, and with society at large, regarding complex health activities confidently and effectively, such as, being able to comprehend and write effective reports and design documentation by adhering to appropriate standards, make effective presentations, and give and receive clear instructions.

**PO8 Research outcomes and Entrepreneurship:** Acquire ability to disseminate the research outcomes useful to government, pharmaceutical industries, health care providers and the community, through Publications and presentations. Contribute as reliable resource for industry research, Consultation and training partnerships. Possess ability to identify business Opportunities and initiate entrepreneurship.

**PO9 Practices and Social Responsibility:** Ethical Practices and Social Responsibility: Acquire professional and intellectual integrity, professional code of conduct, ethics of research and scholarship, consideration of the impact of research outcomes on professional practices and an understanding of responsibility to contribute to the community for sustainable development of society.

**PO10 Life-long Learning:** Life-long Learning: Recognize the need for, and have the preparation and ability to engage in life-long learning independently, with a high level of enthusiasm and commitment to improve knowledge and competence continuously.