

SRI AUROBINDO INSTITUTE OF PHARMACY, INDORE (M.P.)

PROGRAMME OUTCOMES

B. PHARM

Program Educational Objectives (PEOs):

PEO1. Graduates of the program will be having strong background in pharmaceutical sciences and able to use these tools in Pharmaceutical industry and/or institutes where ever necessary for success.

PEO2. To provide students with a sound foundation in Pharmaceutics, Pharmaceutical Chemistry, Pharmacology and Pharmacognosy fundamentals as per the requirement of Pharmaceutical Industries, Community and Hospital Pharmacy.

PEO3. To train students with good knowledge of human anatomy and physiology, Pharmacodynamics, pharmacokinetics, Drug properties & Chemistry, formulation & development and analytical aspects. To utilize these concepts in research, design, and create novel herbal & synthetic pharmaceutical products for the benefit of human being.

PEO4. To prepare students to excel in postgraduate programs. To succeed in Pharmaceutical industry/technical profession through global education.

PEO5. To inculcate in students professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, and an ability to relate Pharmaceutical Sciences issues to broader social context.

PEO6. To make students able to evaluate merits and demerits, benefits and deficiencies of the matter they studied, pharmaceutical technology they learned and ideology they observed in the field of Pharmaceutical sciences.

Program Specific Outcomes (PSOs)

The Graduate shall be able to:

PSO1. Apply the knowledge of pharmaceutical and allied sciences in design, manufacture and evaluation of drug delivery systems including cosmetics.

PSO2. Be able to perform classical and modern analysis of APIs and formulations in their quality control and enforce quality assurance standards.

PSO3. Appreciate the mechanism of action of drugs including their kinetics and adverse actions. Be able to do basic evaluation of bioactivity of drugs in in- silico models.

PSO4. Apply the knowledge of medicinal chemistry, natural drugs in drug design and synthesis. Appreciate the importance of drugs derived from natural sources.

PSO5. Act responsibly towards environment, follow ethical principles, be able to comprehend, interpret and apply laws pertinent to all spheres of pharmaceutical and allied domains.

Program Outcomes (POs)

The Graduate shall be able to:

PO1. Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.

PO2. Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.

PO3. Problem analysis: 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.

PO4. Modern tool usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.

PO5. Leadership skills: Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment 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.

PO6. Professional Identity: Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).

PO7. Pharmaceutical Ethics: Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.

PO8. Communication: Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.

PO9. The Pharmacist and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.

PO10. Environment and sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO11. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assessment and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.