

SCHOOL OF PHARMACY

B.PHARM

Program Outcome (PO)

The college has adopted eleven Program Outcomes (POs) defined for the B.Pharm and Program. At successfully completing the Program, student should have achieved the eleven program outcomes mentioned below.

Upon successful completion of the program, students will 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; behavioural, 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.

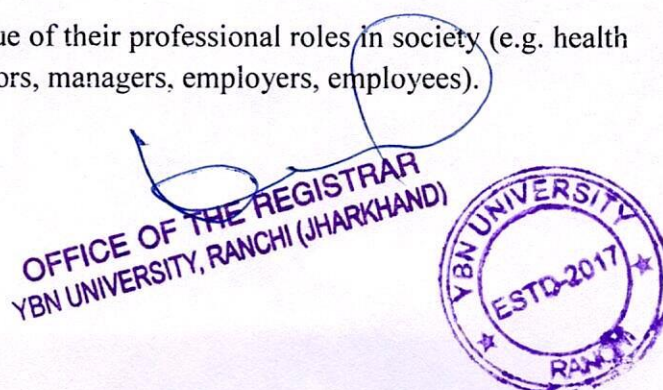
PO5: Leadership skills

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

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 behaviour 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-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.

SCHOOL OF PHARMACY

M. PHARM (Pharmaceutics, Pharmacchemistry and Pharmacology)

Program Outcome (PO)

The college has adopted eleven Program Outcomes (POs) defined for the M. Pharm Program. At successfully completing the Program, student should have achieved the eleven program outcomes mentioned below.

Upon successful completion of the program, students will be able to:



PO1: Advanced Knowledge:

Demonstrate in-depth knowledge of pharmaceutical sciences and the ability to apply this understanding in a specialized area.

PO2: Research Skills:

Design, conduct, and interpret experiments related to drug development, pharmacological testing, or formulation.

PO3: Problem Solving:

Solve complex pharmaceutical problems through analytical reasoning and critical thinking.

PO4: Ethics and Professionalism:

Uphold professional and ethical responsibilities in research, industry, and clinical practice.

PO5: Communication:

Communicate effectively through oral and written means in both academic and professional settings.

PO6: Modern Tools Usage:

Use modern tools, techniques, and software relevant to pharmaceutical sciences.

PO7: Lifelong Learning:

Engage in continuous professional development and lifelong learning.

PO8: Leadership and Teamwork:

Demonstrate leadership and the ability to work in interdisciplinary teams.

PO9: Project Management:

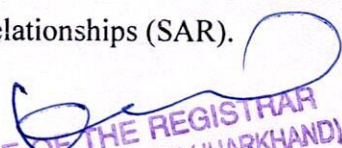
Apply principles of management and entrepreneurship in pharmaceutical settings.

Pharmaceutics Specialization

- Develop and evaluate drug delivery systems (oral, transdermal, nano-formulations).
- Understand regulatory requirements in formulation development and quality assurance.
- Apply knowledge of biopharmaceutics and pharmacokinetics in formulation design.

Pharmaceutical Chemistry Specialization

- Synthesize, analyze, and characterize pharmaceutical compounds.
- Understand drug design and structure-activity relationships (SAR).


OFFICE OF THE REGISTRAR
YBN UNIVERSITY, RANCHI (JHARKHAND)



- Perform quality control and quality assurance with appropriate guidelines (e.g., ICH, GMP).

Pharmacology Specialization

- Conduct in vivo and in vitro studies to evaluate drug effects and mechanisms.
- Understand the molecular and cellular basis of drug action.
- Apply pharmacovigilance and toxicology knowledge for drug safety assessment.


Program Specific Outcome (PSOs)

PSO 1

The students shall be able to apply the knowledge and skill gained from various subjects and the aptitude developed throughout the course of the program in performing a job either independently or as a member of a team in various fields of pharmacy profession.

PSO 2

The students shall be able to make an initiation and achieve an innovation by properly integrating the input from various resources either independently or as a member of a team in various fields of pharmacy profession for betterment of the quality of life of the patients in the society.


OFFICE OF THE REGISTRAR
YBN UNIVERSITY, RANCHI (JHARKHAND)

