

PROGRAM SPECIFIC OUTCOME (PSO)

B. PHARMACY

1. To prepare graduate to success in technical or professional careers in various pharmaceutical industry and/ or institute and /or Health care system through excellent real-time exposure to rigorous education.
2. To prepare graduate of the program to learn and adapt in a globe of constantly developing trends
3. To prepare the graduate to have foundation in science, formulation technology, synthetic knowledge, Discovery tools as per the requirement of Pharmaceutical sectors.
4. To strengthen the professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, and an ability to relate pharmaceutical sciences issues to broader social context. }
5. To streams a lifelong career of personal and practicing professional growth with ethical codes and self esteem

M. PHARMACY

M. PHARM (PHARMACEUTICS)

1. Apply the principles of drug delivery system in the development of eco-friendly, efficacious dosage forms.
2. Develop an ability to undertake multidisciplinary tasks in the pharmaceutical quality system.
3. Analyze, criticize, organize, improvise and manage documents, data and information related to pharmaceutical production process.
4. Imbibe ethical practices and moral values in personal and professional endeavors.
5. Execute team based research to implement innovative solutions in the area of formulation, quality assurance and technology transfer.
6. Apply problem-based learning approach and analytical thinking in academic and professional life.
7. Validate the knowledge and skills gained through education to gain recognition in Pharmaceutical society and related field.
8. Set-up pharmaceutical production unit to design and formulate pharmaceutical dosage forms.

M. PHARM (PHARMACEUTICAL ANALYSIS)

1. To deal with various advanced instrumental techniques for identification, characterization, and quantification of drugs.
2. To know the science of detection of impurities, impurities in pharmaceutical formulations, impurity profiling, stability testing of phytopharmaceuticals, and their protocol development.

3. To understand validation and its application in industry, their methodologies and application in manufacturing processes.
4. To impart knowledge on analysis of food constituents and finished food products, food additives, the pesticides and the regulations of food and legislations of food products.
5. To know the Pharmacopoeial assays by spectroscopical methods, calibration techniques, determination of preservatives, vitamin contents in drugs and foods.
6. To create a knowledge with various hyphenated analytical instrumental techniques for identification, characterization, and quantification of drugs.
7. To impart knowledge about extraction, separation of drugs from biological samples using different techniques and guidelines for analytical methods.
8. To know about quality assurance aspects of pharmaceutical industries such as CGMP, Documentations, certifications, GLP, and other regulatory affairs.
9. To create a talent pool by involving students in research projects and to make students undertake research projects under faculty guidance for publication.
10. To foster ambitious desire among students to undertake higher studies and career growth.

M.PHARM (PHARMA REGULATORY AFFAIRS)

1. Assess current regulations that focus on drugs and medical devices and their impact on regulatory submissions such as New Drug Applications (NDA), Abbreviated NDAs, Investigational New Drug (IND) Applications, 510k, and Pre-Market Authorizations.
2. Identify the differences between patents, trademarks, and trade secrets as they relate to regulatory and marketing strategy.
3. Identify and utilize the laws and regulations that apply to the development, testing, and production of new medical products, including medical devices, In-Vitro Diagnostics (IVDs), pharmaceuticals, biotechnology-derived therapeutics, and biologics.
4. Evaluate real and/or simulated regulatory submissions for appropriateness of the submission to the regulatory requirements of product design, manufacturing, testing, and post-market surveillance strategies.
5. Strategically build sections for regulatory submission for various classes of medical devices.
6. Identify a specific regulatory issue for either a drug or device and be able to justify an appropriate position or strategy through presentation and written skills.

7. Demonstrate the ability to develop personal and professional skills in the field of regulatory affairs.
8. Demonstrate the ability to investigate case studies related to various regulatory topics (e.g. regulatory submissions, product defect, clinical trials and quality assurance strategies etc.,).

Pharm. D. and Pharm. D. (PB)

1. To provide a comprehensive pharmaceutical education leading to Doctor of Pharmacy (Pharm. D.) degree.
2. To provide hands on training through state of art infrastructure to meet challenges of drug discovery and pharmaceutical care.
3. To integrate knowledge and skills with clinical research to promote health care.
4. Understand and appreciate the role of health care education in the development of society and on mankind's welfare.
5. To inculcate leadership capabilities as member of health care team.