



Pharm D Programme
Version – 1
PO - (Programme Outcomes)

- **PO1:** Understanding the modern extraction techniques, characterization and identification of the herbal drugs and phytoconstituents along with preparation and development of herbal formulation.
- **PO2:** Understanding the fundamentals of analytical chemistry and to develop the analytical skills, chromatographic separations and analysis of drugs. Understanding the basic knowledge on pharmaceutical engineering and development of novel drug delivery skills.
- **PO3:** Understanding the importance of molecular levels of various chemical processes associated with living cells and metabolism of nutrients in the physiological and pathological condition.
- **PO4:** Understanding the structure, chemistry of medicinal drugs with their pharmacological activity and to know the SAR with chemical synthesis of drugs.
- **PO5:** Understanding the basic knowledge on the preparative pharmacy, development of novel drug delivery system and professional way of handling the prescription and applying pharmaceutical legislations and their implications in the development and marketing of pharmaceuticals. Understanding the importance of physicochemical properties of drug molecules in designing the dosage forms.
- **PO6:** Performing pharmaceutical care services such as drug distribution, drug dispensing, inventory control, patient counseling and health screening for better therapeutic outcomes. Analyzing the methods for qualitative and quantitative analysis of various physiological and biochemical parameters and to interpret the results in various disease conditions
- **PO7:** To apply laws in pharmaceutical legislations and their implications in the development and marketing of pharmaceuticals. Understanding the various drug distribution methods in a hospital, monitor drug therapy of patient through medication chart review and conducting community awareness program. Communication skills and ethical aspects in community pharmacy with patient counseling.
- **PO8:** Modifying prescriptions with respect to a patient's pharmacotherapy and dose adjustments at hospital, community pharmacist services. Monitoring, reporting and managing adverse drug reactions to avoid undesirable effects. Providing patient counseling services for a safe and effective drug therapy and poison information services. Ability to demonstrate appropriate ethical and professional behaviour, and comply with all federal, state, and local laws related to pharmacy practice.

- **PO9:** Performing drug utilization reviews and pharmacoeconomics analysis for better therapeutic effectiveness and for reducing health care costs. Pursue research in clinical pharmacy related areas to improve health outcomes. Preparation of various dosage forms and to identify and overcome the incompatibilities in formulations

PSGCP