



**PSG College of Pharmacy  
Coimbatore - 641004**

### **B Pharm Programme**

#### **PSO - (Programme Specific Outcome)**

**PSO 1.** Understand the pharmacological and toxicological actions of synthetic and phyto-molecules in the diagnosis, prevention, and treatment of various diseases.

**PSO 2.** To emphasize the significance of quality control and assurance in drug design and formulation development.

**PSO 3.** Implementing expertise in medicinal chemistry, preparative pharmacy, analytical skills, and pharmaceutical engineering in coming up with novel dosage forms as well as drug delivery skills to cater the needs of industry.

**PSO 4.** Utilize the knowledge in drug laws for entrepreneurship development and marketing pertaining to drug distribution of all scheduled drugs and cosmetics.

#### **PO - (Programme Outcome)**

1. Apply the basic knowledge gained in chemistry, anatomy, physiology, pathophysiology, biochemistry and computer technology in pharmacy profession.
2. Develop required skills in formulation and dispensing in catering to patient needs as well as overcoming potential incompatibilities in formulations.
3. Ability to demonstrate and communicate ethical values with commitment to societal welfare.
4. To enhance the entrepreneurial capabilities for value added services and systems relating to community pharmacy and clinical trial setups.
5. To develop a sense of professional responsibility to be a medication dispenser and be able to master, generate, interpret and disseminate the knowledge of pharmacy practice.
6. Proper utility and regulation of marketed drugs and pharmaceuticals in patient care.



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**Pharm D Programme**

**PSO - (Programme Specific Outcomes)**

**PSO 1.** Acquire knowledge in the field of synthetic and natural sources of drugs as well as their formulation and evaluation, including their regulatory requirements.

**PSO 2.** Using the fundamentals in physiology, anatomy and pathology to understand and explain the pharmacological and toxicological aspects of various drugs and increase their creativity in developing novel clinical research initiatives in these areas.

**PSO 3.** Applying their expertise to recognize possible adverse drug interactions and counsel the patients in complying with the prescribed treatment regimen.

**PSO 4.** Graduates can comprehend the role of pharmaceutical care, medication management, pharmacoconomics, pharmacogenomics, and the concepts of hospital, community and clinical pharmacy for serving the community.

**PO - (Programme Outcome)**

1. Apply the basic knowledge gained in Chemistry, Anatomy, Physiology, Pathophysiology, Biochemistry, and Computer technology in Pharmacy profession.
2. Develop required skills in formulation and dispensing in catering to patient needs as well as overcoming potential incompatibilities in formulations.
3. Ability to demonstrate and communicate ethical values with commitment to societal welfare.
4. To enhance the entrepreneurial capabilities for value added services and systems relating to community pharmacy and clinical trial setups.
5. To develop a sense of professional responsibility to be a medication dispenser and be able to master, generate, interpret, and disseminate the knowledge of Pharmacy practice.
6. Proper utility and regulation of marketed drugs and pharmaceuticals in patient care.



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**Post graduation - M. Pharm**

**PSO - (Programme Specific Outcome)**

M. Pharm – graduates will be able to

**PSO1:** Graduates will gain in depth knowledge about the drug action, drug delivery and advancement in analysis.

**PSO2:** Graduates will be able to apply molecular techniques, bioanalytical methods in new drug designing, formulation, and carry out preclinical testing as per regulatory requirements

**PSO3:** Graduates can design and participate in clinical research by following regulatory ethical guidelines and pharmacovigilance of target drugs with more emphasize on pharmaceutical care.

**PSO4:** Create, select and apply appropriate resources such as modern, molecular and IT tools to predict, model and understand the behaviour of cellular systems activities and limitations.

**PSO5:** Interpretation of biological variations related to drug action and application of pharmacometrics and genetic variations relating to therapeutics, clinical trial, pharmacy practice and pharmacoeconomics.

**PSO6:** Graduates will be able to follow pharmacopoeial standards and international guidelines to emphasize the significance of quality control and assurance in drug analysis and formulation development

**PSO7:** Develop required skills in formulation and dispensing in catering to patient needs as well as overcoming potential incompatibilities in formulations

**PSO8:** Impart basic knowledge and skills to practice quality use of medicines, in clinical practice, analysis of risk and benefits, and identify medication related problems.