

ST. JAMES' COLLEGE OF PHARMACEUTICAL SCIENCES,
ST. JAMES' MEDICAL ACADEMY, RIVER BANK, CHALAKUDY, THRISSUR-680307

PROGRAMME OUTCOME : B PHARM

- PO1 : Pharmacy Knowledge :** Possess and apply the knowledge of chemical synthesis and evaluation, pharmaceutical technologies and pharmacology, formulation and development of pharmaceuticals.
- PO2 : Problem analysis and development of solutions :** can identify and analyze the problem and interpret data generated from formulation development, quality control and quality assurance to find the solutions.
- PO3 : Serving the community as a member of healthcare system :** Able to deliver quality pharmaceutical care in hospital / community pharmacy set up.
- PO4 : Modern tool usage :** Create, select and apply appropriate techniques, resources and modern IT tools to complex activities in the field of pharmacology and chemistry with an understanding of limitations.
- PO5: Competency :** Pharmacy graduate, with employable skills and high technical competence for Pharmaceutical Industry and Healthcare sector.
- PO6 : Environment and sustainability :** Understand the impact of Pharmacy Professional solutions in societal and environmental contexts and strive for the eco: friendly pharmaceutical operations / services to maintain public health.
- PO7 : Pharmaceutical ethics :** Apply ethical principles and commit to professional ethics and responsibilities and norms of pharmacy practice. Apply ethical principles while making decisions and take responsibility for the outcome associated decisions.
- PO8 : Individual and team work :** function effectively as an individual and as an active member or a leader in industry set up, healthcare team and in multidisciplinary setting.
- PO9 : Communication :** Able to communicate effectively in both verbal and written form.
- PO10: Work ethics:** Capable of working with sense of involvement exhibiting leadership qualities and expertise in soft skills

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PROGRAMME OUTCOME : PHARM D

- PO1 : Pharmacy knowledge :** Possess and apply the knowledge of pharmacy practice and ability to acquire, manage and use current information for problem solving, patient specific, population specific, evidence: based care to promote safe and optimal pharmacotherapy outcome.
- PO2 : Problem analysis and development of solutions :** Identify and analyze complex health problem reaching substantial conclusions using biomedical knowledge. Design solutions for complex health problems and design system components or processes that meet the specified need.
- PO3 : Conduct investigations of complex problems :** Apply critical thinking skills together with investigation, analysis, creativity and evaluation of information, data and document related to drug, poison, clinical investigations, pharmaceutical care and practices.
- PO4 : Modern tool usage :** Create, select and apply appropriate techniques, resources and modern IT tools with an understanding of limitations and also provide relevant information regarding health.
- PO5: The pharmacist and society:** Apply knowledge to help the society to adopt healthy life style and to promote rational use of drugs in the practice setting especially in hospital, clinical and community.
- PO6 : Patient /Pharmaceutical care:** Provide high quality evidence: based patient centered care in cooperation with patients, prescribers and members of interprofessional health care team.
- PO7 : Pharmaceutical ethics:** Demonstrate exemplary professional, ethical and legal behavior complying with all laws and regulations related to pharmacy practice and demonstrate the respect for patient's privacy and autonomy.
- PO8 : Individual and team work :** Function effectively as an individual and as an active member or a leader in healthcare team and in multidisciplinary setting.
- PO9 : Communication :** Communicate effectively to the public as well as to the health care professionals for the well being of the patient and being able to do patient counseling and make effective presentation to the professionals for their queries.
- PO10 : Work ethics:** Capable of working with sense of involvement exhibiting leadership qualities and expertise in soft skills.

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PROGRAMME OUTCOME : M PHARM

- PO1 : Problem analysis and development of solutions** : capable of using statistical tools for sampling, analysis & interpretation of scientific data and arrive at reliable results of the study, scientifically.
- PO2 : Innovations:** acquired expertise to carry out research & development in the respective disciplines of pharmaceutical sciences and technology
- PO3 : Modern tool usage:** Acquired expertise in the operation and maintenance of sophisticated instruments & equipments and different kinds of software to perform experiments on the selected specialization
- PO4 : Pharmaceutical ethics** : Apply ethical principles and commit to professional ethics and responsibilities and norms of pharmacy practice. Apply ethical principles while making decisions and take responsibility for the outcome associated with decisions.
- PO5 : Individual and team work** : function effectively as an individual and as an active member or a leader of a team and in multidisciplinary setting.
- PO6 : Communication** : Possess effective written communication, verbal communication and scientific documentation skills.

PROGRAMME SPECIFIC OUTCOME

M PHARM PHARMACY PRACTICE

- PSO1** : Able to Provide high quality, evidence based, and patient centered care in cooperation with patients, prescribers and members of inter professional health care team to promote health.
- PSO2** : Capable of providing pharmaceutical care, in all practice areas, including inpatient, ambulatory and community settings and capable of being part of clinical research team.
- PSO3** : Can ensure rational use of drugs and provide drug related information to the public as well as to the health professionals while appropriately addressing patient specific and population specific needs.
- PSO4** : Able to apply the acquired knowledge to help the society to adopt the healthy life style and to promote the rational use of drugs in the practice setting especially in hospital, clinical and community setting
- PSO5** : Able to Provide patient counseling service efficiently for better treatment outcome

PROGRAMME SPECIFIC OUTCOME

M PHARM PHARMACEUTICAL ANALYSIS

- PS01:** Can carry out highly sensitive analytical procedures using sophisticated instruments and interpret the data scientifically.
- PS02:** Capable of developing and validating newer analytical methods for various samples using advanced analytical techniques and tools as per regulatory needs.
- PS03** : Able to carry out quality control tests for pharmaceuticals, food products, herbal drugs and cosmetics.
- PS04** : Able to demonstrate the ability to establish quality control protocols for pharmaceuticals, herbal drugs , cosmetics and food products.
- PS05:** Able to demonstrate the knowledge of IPR, validation concept, impurity profiling and pharmaceutical regulatory affairs.

PROGRAMME SPECIFIC OUTCOME

M PHARM PHARMACEUTICAL CHEMISTRY

- PSO1** : Able to demonstrate knowledge of computer aided drug design, green chemistry, heterocyclic chemistry and peptide synthesis to develop new drug molecule and its role in drug discovery.
- PSO2** : Able to carry out phytochemical investigations towards finding herbal drugs with improved performance.
- PSO3** : An expert in synthesis, purification and characterization of new organic molecules including industrial aspects.
- PSO4** : Can elucidate the structure of organic molecules through the interpretation of spectral data.
- PSO5** : Acquired sound knowledge of organic chemistry, proteomics and DNA technology as required in new drug development

PROGRAMME SPECIFIC OUTCOME

M PHARM PHARMACEUTICS

- PSO1:** Apply the principles of drug delivery system in the development of eco-friendly, efficacious Pharmaceutical dosage forms including novel drug delivery systems.
- PSO2** : Able to develop and evaluate new drug formulations and cosmetics meeting the regulatory specification.
- PSO3:** Able to carry out unit operations in pharmaceutical and cosmetics manufacturing.
- PSO4:** Able to carry out process validation as per regulatory requirements and possess knowledge of regulatory filings
- PSO5:** Able to use scientific software tools in the Formulation development and pharmacokinetic investigation