

## **PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)**

- PEO-1:** To generate excellent trained undergraduates with state of art knowledge in pharmaceutical technology and allied subjects in an ambience of motivation that could stimulate growth and excellence
- PEO-2:** To create undergraduates who are trained in sync with the requirements of the pharmaceutical industry and adapt readily to national healthcare programmes
- PEO-3:** To create professionals of standing who would Spread across the country and the globe in various areas including education, research, industry and government
- PEO-4:** To mold students to emerge as future leaders of the pharmaceutical industry and as entrepreneurs
- PEO-5:** To sensitize students to local and global needs of environment protection and sustainability

## PROGRAMME OBJECTIVES (POs)

Technology Graduates will be able to:

**PO 1. Technology knowledge:** Apply the knowledge of mathematics, science, technology fundamentals, and an technology specialization to the solution of complex technology problems.

**PO 2. Problem analysis:** Identify, formulate, review research literature, and analyze complex technology problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and technology sciences.

**PO 3. Design/development of solutions:** Design solutions for complex technology problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**PO 4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**PO 5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern technology and IT tools including prediction and modeling to complex technology activities with an understanding of the limitations.

**PO 6. The technologist and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent

responsibilities relevant to the professional technology practice.

**PO 7. Environment and sustainability:** Understand the impact of the professional technology solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**PO 8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the technology practice.

**PO 9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO 10. Communication:** Communicate effectively on complex technology activities with the technology community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**PO 11. Project management and finance:** Demonstrate knowledge and understanding of the technology and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**PO 12. 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.

# **PROGRAMME SPECIFIC OBJECTIVES (PSOs)**

After successful completion of the course, the students will be able to –

PO 13. Pursue higher studies/research with high level of motivation, in institutes of international repute.

PO14. Apply the knowledge and training in Pharmaceutical technology to emerge as entrepreneurs

PO15. Evolve as technocrats who could influence major policy decisions related to pharmaceutical and allied industries.