

B.Sc BIOTECHNOLOGY

PROGRAM OUTCOMES (POS)

- PO-1:** Graduates in biotechnology will be eligible for pursuing higher education, M.Sc. programmes in the different field of life science
- PO-2:** Graduates will exhibit contemporary knowledge in Biotechnology and students will be eligible for doing jobs in pharmaceutical and biotechnological Industry
- PO-3:** Graduates will be able to understand the potentials, and impact of biotechnological innovations on environment and their implementation for finding sustainable solution to issues pertaining to environment, health sector, agriculture, etc.
- PO-4:** Graduates will be able to design, conduct experiments, analyze and interpret data for investigating problems in BT and allied fields.
- PO-5:** Graduates will be able to work individually as well as in team to survive in multidisciplinary environment. Graduates will possess oral and written communication skills
- PO-6:** Students develop global competencies in the area of basic and applied biological sciences. Enhancing the subject knowledge of students by using traditional and modern ICT based teaching methods and learning by doing.

COURSE OUTCOME

- CO1:** Have an insight of the cell as the fundamental unit of life and to compare the structure of the Eukaryotic cell with the primitive prokaryotic cell
- CO2:** Learn about the classical genetics and transmission of characters from one generation to next.
- CO3:** Understand the classification of microorganisms and structure of microbes
- CO4:** Explain the role of immune cells and their mechanism in body defence mechanism
- CO5:** Practice, experiment with and apply the basic instruments in the laboratory.
- CO6:** To know about Restriction and modification systems in bacteria, restriction enzymes & cloning vectors
- CO7:** Students will gain basic knowledge on Plant genome organization and plant hormones
- CO8:** Students will be able to identify the challenges of being a Bioentrepreneur
- CO9:** Will learn about Biopharmaceuticals
- CO10:** Know about the environment, its issues and management of the environment and significance of bioreactors in bioprocess engineering and culture methods.