**MICROBIOLOGY**

**UG PROGRAM OUTCOME (PO)**

**PO1:** Acquire, articulate, retain and apply specialized language and knowledge relevant to Microbiology.

**PO2:** Design and carry out experiments safely and to interpret experimental data

**PO3:** Prepare them for careers in the industry, agriculture, and applied research where biological system is increasingly employed.

**PO4:** Apply ethical principles and commit to professional ethics, communicate effectively and recognize the need for life-long learning in the broadest context of technological change

**PROGRAM SPECIFIC OUTCOME (PSO)**

**PSO1:** To prepare students as skilled scientific manpower with an understanding of Research ethics (public policy, biosafety, and intellectual property rights) involving microorganisms to contribute to application, advancement and impartment of knowledge in the field of Microbiology.

**PSO2:** Production of substantial original research of significance and quality sufficient for publication.

**PSO3:** Ability to present their work through written, oral, and visual presentations, including an original research proposal

**PG PROGRAM OUTCOME (PO)**

**PO1:** Summarize the intellectual skills to analyze the molecules using advance biophysical techniques such as HPLC, GC, Spectrophotometer, PCR etc.

**PO2:** Appraise the scientific literature effectively and use computational tools such as bio-statistical and bioinformatics

**PO3:** Substitute the knowledge in industry with regard to scale up, production, scale down and quality control of the various microbial products

**PO4:** Collaborate the basic research related to industry-environmental issues and use of agricultural sustainable products

**PROGRAM SPECIFIC OUTCOME (PSO)**

**PSO1:** To prepare students as skilled scientific manpower with an understanding of Research ethics (public policy, biosafety, and intellectual property rights )involving microorganisms to contribute to application, advancement and impartment of knowledge in the field of Microbiology.

**PSO2:** Production of substantial original research of significance and quality sufficient for publication.

**PSO3:**. Ability to present their work through written, oral, and visual presentations, including an original research proposal

**DIPLOMA IN CLINICAL LAB TECHNOLOGY**

**PG PROGRAM OUTCOME (PO**

**PO1:** Acquire knowledge on Clinical Lab Tecniques.

**PO2:** Interpret and identify experimental data on Clinical Laboratory tests.

**PO3:** Apply professional ethic’s and skills as a trained lab technician.

**PROGRAM SPECIFIC OUTCOME (PSO)**

**PSO1:** To prepare students as skilled scientific manpower with an understanding of ethics (public policy, biosafety, and intellectual property rights ) and impartment of knowledge in the field of Clinical Lab Tecniques.

**PSO2:** Ability to anayze and interpret the experimental data with laboratory samples.

**PSO3:** Acquire ,maintain and process the specimen in Microbiology,Pathology,Cytology, Clinical Biochemistry, Immunology in the lab.