

## **PROGRAMME OUTCOMES**

### **B.Sc. Microbiology**

Upon successful completion of the B.Sc. Microbiology programme, graduates will be able to:

**PO1** – Demonstrate comprehensive knowledge of microbial structure, function, diversity, and interactions, including their roles in health, industry, and the environment.

**PO2** – Apply microbiological and molecular techniques with accuracy and safety, and analyze experimental data using scientific reasoning to draw meaningful conclusions.

**PO3** – Design and conduct research experiments, utilize statistical tools, interpret results, and communicate scientific findings effectively in written, oral, and digital formats.

**PO4** – Follow biosafety guidelines, ethical standards, and legal frameworks while recognizing the societal, industrial, and environmental impact of microbiology.

**PO5** – Work independently and collaboratively in multidisciplinary teams, demonstrate leadership and adaptability, and engage in lifelong learning to address global challenges such as emerging diseases and sustainability.