



Vidya Vikas Education Trust's
Lords Universal College, Goregaon West, Mumbai-400104
Affiliated to University of Mumbai

Bachelors In Science (Microbiology)
Programme Outcomes

Sr. No	POs
1	A Bachelor of Science (BSc) in Microbiology program aims to equip students with a solid understanding of microorganisms, their functions, applications, and relevance in various fields.
2	Core Knowledge in Microbiology: Graduates will demonstrate a comprehensive understanding of fundamental principles in microbiology, including microbial structure, genetics, physiology, ecology, and evolution.
3	Laboratory Skills: Acquire and demonstrate proficiency in laboratory techniques essential for microbiological research, including culturing, staining, microscopy, and molecular biology methods.
4	Applied Microbiology Competence: Ability to apply theoretical knowledge to real-world scenarios, including the identification, isolation, and characterization of microorganisms, as well as the application of microbiology in biotechnology, healthcare, agriculture, and environmental science.
5	Understanding Disease Processes: Gain insights into microbial pathogenesis, immunity, and the role of microorganisms in causing infectious diseases.
6	Critical Thinking and Analysis: Develop analytical and critical thinking skills necessary for evaluating scientific literature, experimental data, and problem-solving in microbiology.
7	Interdisciplinary Awareness: Understand the intersections between microbiology and other fields such as biochemistry, genetics, biophysics, and immunology to appreciate the interdisciplinary nature of scientific research.



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Programme Specific Outcomes

Sr. No	PSOs
1	Retain the basic concepts of Microbiology with the latest discoveries in Microbiology and other interdisciplinary fields.
2	Learn recent developments in Bacteriology & Clinical Microbiology with a glimpse in interdisciplinary courses such as Biophysics and Biochemistry.
3	Develop their cognitive skills—such as evaluating, analyzing and understanding how all pieces of a ‘concept’ fit together, thereby, giving them a strong foundation in the subject.
4	Prepare students for performing better in competitive exams and gaining employability in research-oriented careers.