

**Program Outcomes (POs)
&
Program Specific Outcomes (PSOs)
(2021-2022)**



The Department of Microbiology

**The HNSB Ltd. Science College
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Program Outcomes (POs)

On Successful completion of program students will be able to enter in the world of Microbiology and will explore the knowledge of different Microorganisms and be aware of roles of microorganisms in routine life. They will be able to perform different microbial techniques and increase their skill. They will be able to get admission in various higher educations.

Program Specific Outcomes (PSOs)

Microbiology is a branch of science that studies “life” taking an example of microorganisms such as bacteria, protozoa, algae, fungi, bacteria, viruses, etc. The relevance and applications of these microorganisms to the surrounding environment including human life and mother-nature becomes part of this branch... These studies integrate cytology, physiology, ecology, genetics and molecular biology, evolution, taxonomy and systematic with a focus on microorganisms; in particular bacteria.

Course Outcomes (COs)

Course	Outcomes
MI-501	The subject will provide brief knowledge about molecular basis of microbial genetics which involves gene structure and gene expression their damage and repair system.
MI-502	The subject will provide brief knowledge about principle and natural techniques in gene transfer.
MI-503	The programme enable to get sufficient knowledge about classical genetics which involves mendelian principles and chromosomal basis of inheritance linkage and mapping.
MI-504	The subject will provide complete picture of genetic engineering which involves tools, techniques and its application.
MI-505 practical	The aim of subject is Practically applying fundamental theories of gene regulation, gene mutation, and gene transfer techniques.
Bioinformatics ES	This programme enables to get basic knowledge about introduction, scope, and tools of bioinformatics.