

PO, PSO

B.Sc., Biotechnology

Programme Outcomes for UG Programme:

At the end of the programme, students will be able to

PO Number	PO Statement
PO1	Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
PO2	Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in any one Indian language and make meaning of the world by connecting people, ideas, books, media and technology.
PO3	Social Interaction: Elicit views of others, mediate disagreements and help to reach conclusions in group settings.
PO4	Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
PO5	Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
PO6	Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
PO7	Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.

Programme Specific Outcomes for B.Sc Biotechnology:

At the end of the programme, students will be equipped with the Knowledge in

PSO Number	PSO Statement
PSO1	Understand the structure, function and applications of living organisms
PSO2	Enrich the knowledge level in Basic Sciences and Fundamental Biotechnological ideas.
PSO3	Acquire employability skills in technical concepts of varied thrust areas.
PSO4	Empower themselves in emerging and advanced concepts in Life Sciences
PSO5	Apply techniques for manipulation of organisms to produce commercial and Environmentally safe Biotechnological products.

M.Sc., Biotechnology

Programme Outcomes for PG Programme:

At the end of the programme, students will be able to

PO1	Critical Thinking: Apply the strategies and techniques in order to solve real world problems.
PO2	Effective Communication: Communicate the concepts in oral and written form.
PO3	Social Interaction: Identify the accurate solutions for the society-oriented problems using the Domain knowledge.
PO4	Effective Citizenship: Attain the ability to identify, formulate and solve challenging problems of the society and nation.
PO5	Knowledge Formulation: Demonstrate and apply various specialized areas of advanced topics and its applications using modern tools.
PO6	Environment and Sustainability: Instill a sense of attitude in tackling social and environmental issues.
PO7	Self-directed and Life-long Learning: Identify their own educational and career needs from the global challenges.

Programme Specific Outcomes for M.Sc Biotechnology:

At the end of the programme, students will be equipped with the Knowledge in

PSO Number	PSO Statement
PSO1	To bestow the students on various aspects of biotechnology to work independently.
PSO2	Expertise in laboratory techniques of basic biotechnology, special emphasis in the field of microbial, molecular and genetic engineering.
PSO3	This course will develop effective communication, managerial and other skills in students to carry out advanced projects and collaborations even across the disciplines
PSO4	To produce a competent entrepreneur to initiate various startup companies in the field of biotechnology. Development of cost effective and environmentally safe products.
PSO5	Understanding of the potential and impact of biotechnological innovations and inventions on the environment, health sector, agriculture and finding sustainable solutions for implementation.