

J.J. College of Arts and Science (Autonomous), Pudukkottai

Programme Outcomes – 2023 - 2024

Department of Biotechnology

B.Sc. Biotechnology USBT	
Upon completion of the programme, the students would be able to	
PO1	Understand the need and gain the competencies to support local, regional and national development.
PO2	Get a broad foundation in the core subjects of their choice with scientific reasoning, problem solving and analytical skills.
PO3	Apply and adapt appropriate techniques, resources, and instrumentation which will help them to pursue higher education or jobs after the programme.
PO4	Develop the ability to effectively communicate the scientific information with strong ethics in written and oral formats.
PO5	Understand their roles and responsibilities especially for the protection of the people.
PO6	Gain an inter-disciplinary approach to undertake research / get employment in specific areas.
PO7	Cultivate the skills to utilize what they learnt in the real life situations.
PO8	Gain the theoretical and practical knowledge of the latest development in the area of specialisation.
PO9	Develop the knowledge base (insight) to relate their core area with related branches of learning.
P10	Create critical sensibility to live experiences with self awareness and reflexivity of both self and society.
P11	Gain the ability to work independently, identify appropriate resources required for a project, and manage a project through to completion.



M.Sc. Biotechnology PSBT	
Upon completion of the programme, the students would be able to	
PO1	Pursue higher education such as doctoral & post doctoral research in reputed National and International Institutes
PO2	Carryout multidisciplinary research activities to execute national & international research projects
PO3	Apply knowledge of management theories and human resource practices to solve business problems through research in Global context.
PO4	Foster their analytical and critical thinking abilities for data-based decision-making.
PO5	Incorporate quality, ethical and legal value-based perspectives to all organizational activities.
PO6	Develop communication, managerial and interpersonal skills.
PO7	Gain the capability to lead themselves and the team to achieve organizational goals.
PO8	Inculcate contemporary business practices to enhance employability skills in the competitive environment.
PO9	Equip with skills and competencies to become an entrepreneur.
P10	Succeed in career endeavours and contribute significantly to society.
P11	Possess knowledge of the values and beliefs of multiple cultures and a global perspective.
P12	Impart knowledge on the importance of intellectual property rights, Biosafety and bioethics, information technology for biologists, communication and management skills.
P13	Fit into the expectation criteria i.e. strategies to achieve company goals and objectives of several biotech industries. In addition, this Programme will enlighten the students to pursue research as their profession.
P14	Find employment opportunities in R&D of Biotechnology / Pharma industry.

HEAD OF THE DEPARTMENT

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