



**Dr. D. Y. Patil Vidyapeeth, Pune**

(Deemed to be University)

**DR. D. Y. PATIL BIOTECHNOLOGY & BIOINFORMATICS INSTITUTE**

(Re-accredited by NAAC with a CGPA of 3.62 on a four- point scale at 'A' Grade)

(Category I University approved by UGC)

(An ISO 9001: 2015 & 14001:2015 Certified University),

Institute supported by DST-FIST & Approved by AICTE, Govt. of India

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## **Programme outcomes: M. Tech. (Integrated) Biotechnology**

- 1) Apply the knowledge of basic sciences, engineering fundamentals and core biotechnological aspects to solve complex problems in the field of life sciences.
- 2) Ability to review literature, design and conduct experiments, analyze and interpret data using critical thinking skills- relevant to various applied fields of biotechnology.
- 3) Become research oriented biotechnology graduates with ability to apply knowledge and modern biotechnological methodologies to investigate the complex biological problems.
- 4) Ability to use modern bioinformatics software tools and biological databases to address issues in biomedical and environmental fields.
- 5) Ability to understand the sustainability of biotechnological interference, develop solutions to biotechnology engineering problems and its impact on health, safety, legal and cultural issues, environment and society.
- 6) Ability to understand the professionalism and bioethics and responsibilities towards environment and society while following biotechnological applications.
- 7) Acquire experience as an effective communicator and handle projects at individual level and as a team member at industrial and research environment.
- 8) Apply biotechnological and management principles for effective management of projects and resources and manage entrepreneurship ventures, and thus suitable contributors to industrial sectors engaged in biotechnology.
- 9) Ability to engage in life-long learning to enhance the knowledge and skills for professional advancement.