



**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: B. Tech. Medical Biotechnology**

- 1) Apply the knowledge of basic sciences, engineering fundamentals and core biotechnological aspects to solve complex problems in the field of health sciences.
- 2) Acquire the knowledge and skills to design and conduct experiments and interpret the results using the biotechnological principles for modern medical biological applications.
- 3) Ability to apply research based knowledge and modern biomedical instrumentations to investigate the biological problems and human health and diseases.
- 4) Ability to use modern software tools and biological databases and to apply protein modeling to address issues in drug development and biomedical fields.
- 5) Ability to understand the sustainability of biotechnological interference and its impact on health, safety, legal and cultural issues, environment and society and to follow professionalism and bioethics.
- 6) Acquire experience in working on projects related to human health and diseases, in particular at individual level and as a team member at community, industrial and research environment.
- 7) Ability to communicate effectively at societal and scientific levels, scientific projects and report preparation and to make effective presentations.
- 8) Apply medical biotechnological and management principles for effective implementation and management of projects and resources in health and diseases.
- 9) Ability to engage in independent and life-long learning to enhance the knowledge and skills for professional advancement.