

## CAREERS

Graduates in medical biotechnology will find themselves suitable for jobs in Research and Development, Quality Control, Manufacturing, Regulatory Affairs, Information Systems and Clinical Research. Thus one can find positions in hospitals, pharma companies, medical research institutions, teaching, government, consulting, services and sales.

Graduates of Food technology are in high demand. There are immense opportunities in the food industry as project managers, product developers, commercial technologists, quality managers, food safety managers. As people crave new, convenient and nutritious products from the food industry, food technologists have huge potential in entrepreneurial ventures. Job opportunities also abound in research and development, teaching, regulatory affairs, government positions and multinational companies.



Research and Development



Teaching



Government Positions



MNCs



**AJEENKYA**  
D Y PATIL UNIVERSITY

THE INNOVATION  
UNIVERSITY

School of  
Engineering

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# B.TECH

## BIOTECHNOLOGY ENGINEERING

**Duration:** 4 years

**Eligibility:** 12<sup>th</sup> Science  
with Physics, Chemistry,  
Biology & Maths (Optional)



## MEDICAL BIOTECHNOLOGY



Medical Biotechnology is a comparatively newer branch of Biotechnology and is for students who wish to pursue a career at the intersection of medicine, biology and technology. It is concerned with the deployment of cutting edge technologies for prognosis, diagnosis, monitoring, prevention and cure of diseases. A brave new world opens for the medical biotechnologist as novel technologies for improved health care are understood.



Prognosis



Diagnosis



Monitoring



Prevention and Cure

## THE PROGRAM



In the 1<sup>st</sup> year the student will undergo a common core curriculum for engineering. In the 2<sup>nd</sup> year the student will learn the fundamentals of biotechnology. In the 3<sup>rd</sup> and 4<sup>th</sup> year the student specializes in medical biotechnology or food biotechnology with a research project. Strong industry affiliations are provided.

## FOOD TECHNOLOGY



The ever increasing global population and escalating food prices have posed immense challenges to health, nutrition and environment. Food security concerns across the world call for skilled professionals to provide sustainable solutions for tangible environment and economic gains. Food technology aims at increasing the speed and precision with which food traits and food production practices can be enhanced by the use of safe and efficient methods processing new materials for novel finished products.



Increase Food Security



Safe Food Technology