BT Alumni says:

**Mrs. Deepika M.R**
Senior Scientist
Mammalian Downstream Lab
Biocon Research Center.

The profound learning and training which I received during B.E Biotechnology has empowered me to deliver affordable innovation at Biocon. It was a pleasing experience to be a part of the biotechnology department where I was able to nurture my dreams and turn them into reality. I owe my success to the motivation I received from my tutors at NMAMIT”

**Mr. Lakshmeesha Upadyaya**
Universite Montpellier II
France

The BT family of Nitte is cherished my personal and professional life with all the values which are essential to become a good independent researcher as well as a better personality. What I am now is due to the strong fundamental stones laid by all of you. Merci !

**Mr. Mahitrajan T**
Senior Officer (Production)
Wockhardt Ltd., Aurangabad
Campus placed
At the threshold of my career, In B.E. Biotechnology I have garnered that biotechnology is not just tool that benefits an individual, but the entire mankind and society at large. I was extremely happy to gain my knowledge in the field of biotechnology through my course in B.E.

**Mrs. Shravya Shetty**
XL Health Corporation India
Private Limited

I would call, biotechnology as a mixture of knowledge/art/skill/innovation filled with life, that has impacted every aspect related to human survival on this earth. Its soon going to be ‘GOD’ of our basic needs.

For more information contact

**Dr. C. Vaman Rao**
Prof. & Head, Department of Biotechnology Engg.
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Website: www.nmamit.nitte.edu.in
About the department

- Established in 2002
- Programme B.E. in Biotechnology is Accredited by NBA, New Delhi for 5 years (2012 to 2017)
- Total research grant received 1.5 crores
- Research publications from UG students based on project work.
- Grant Received from KSCST and VGST till date for Final year UG student projects: 2.54 lakhs
- 4 patents filed based on research inventions
- Well equipped research labs
- Dedicated and qualified faculty

Programmes offered

- B.E. Biotechnology (Autonomous under VTU, Belagavi)
- M.Tech. Industrial Biotechnology (Under VTU, Belagavi)
- M.Sc. Engg. in Biotechnology (Under VTU, Belagavi)
- Ph.D. in Biotechnology (Under VTU, Belagavi)

Frequently asked questions

What is Biotechnology?

Biotechnology is the interdisciplinary field of science that makes use of microorganism/cells/organisms to produce commercial product beneficial for mankind or use them for environmental benefits.

What are the opportunities after B.E.?

Research, Higher studies, Industry, entrepreneur.

I did not take biology course during 10+2. Am I eligible for UG course in Biotechnology Engineering? Will it have an impact later when I join the course?

It is not mandatory that student should have taken biology as a subject, but having fundamental knowledge of biology is beneficial to understand some technical terms. Student will not face any difficulty in pursuing UG course if he/she has not taken biology course. Essential topics will be dealt from fundamental basics levels whenever necessary.

Is mathematics a prerequisite to join biotechnology?

Basic knowledge in Calculus and statistics is essential. However, engineering mathematics will be taught as per the curriculum.

What are the applications of Biotechnology?

- Industrial chemicals: Xanthan gum (Used in ice cream), Organic acids, Amino acids, Vitamins, Bioplastic, Microbial polysaccharides.
- Food and beverage: squah, jams and jellies, Vinegar, Beer, Wine, Probiotic (Yogurt), Spirulina (Single cell protein), Cheese, Citric acid, Cider, Baker’s yeast, Fermented meat & Fish.
- Agriculture: Insect and pest resistant plants, Stress tolerant plant (drought, salt and temperature), Mushroom cultivation, Biocomposting, Organic farming, Micropropagation (Plant tissue culture) of ornamental and medicinal plants.
- Nanotechnology: Biosynthesis of gold & silver nanoparticle for medical applications, bimetallic nanoparticles as catalysts, Nanomedicines and targeted delivery, Cosmetics and antimicrobial agents.

Do I get an opportunity for internship in industries?

Daffodil Pvt. Ltd., BASF India Ltd., SeQuent Scientific Ltd., United Breweries Ltd., Jubilant Life Sciences. Research internship can be availed at reputed National Academies based on merit.

Where are our alumni working?


Why I should go for Biotechnology? What is the scope in India?

Healthcare is primary importance for everyone’s life and Biotechnology plays very pivotal role in healthcare. Getting something from resources of life for better life is nothing but life science and its prominence in India has gained momentum due to mass media and communication.