



SSBT's College of Engineering & Technology Bambhori, Jalgaon.
(Included under section 2(f) and 12(B) of UGC Act, 1956
With NBA Accredited courses and ISO -9001-2008 Certified)

DEPARTMENT OF BIOTECHNOLOGY

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BIONEERS



Smt. Pratibhatai Patil
Our Inspiration



Dr. Devisingh Shekhawat
Chairman



Shri. Raosaheb Shekhawat
Managing Trustee

ABOUT THE COLLEGE

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| <ul style="list-style-type: none"> • Lush Green 25 Acre Campus • Virtual Class Rooms & e-learning • Innovation & Entrepreneurship Development Center • 40.5 Mbps Internet Facilities • 14000 sq. ft. Air-Cooled library | <ul style="list-style-type: none"> • Nationalized Bank & ATM • Hi-Tech Gym & Yoga Center • Medical facility • Shram Sadhana Research Promotion Scheme • Separate Girl's & Boy's Hostel |
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VISION

To achieve highest accolade in the field of Biotechnology by brightening the flame of quality education, knowledge and progressive technology for societal welfare.

MISION

To prepare Proficient Biotechnologists to solve wide array of problems in life sciences and fulfill the global requirements by creating green & clean technology.

SALIENT FEATURES OF THE DEPARTMENT

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| <ul style="list-style-type: none"> • Qualified and Experienced Faculty. • Research Activities. • Well Equipped Laboratories & Departmental Library. • Emphasis on Laboratory practicals & Projects. | <ul style="list-style-type: none"> • Hands on training of ASPEN HYSYS Software. • Consultancy services. • Good Result. • Entrepreneurship Initiatives. • Students working on funded project. |
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PROGRAMME EDUCATIONAL

OBJECTIVES

I. Core Knowledge

To provide students with a necessary background in Mathematics, Life Sciences, Engineering and technology to develop a strong foundation in the arena of Biotechnology.

II. Employment/Continuing Education

To develop proficiency in the principles and methods essential in Biotechnology to succeed in entry level engineering positions at various industries as well as for continuing education.

III. Professional Competency

To develop professionalism and other moral values amongst students.

PROGRAMME OUTCOMES

After completion of the BE Biotechnology Programme graduates will have,

- a. an ability to apply knowledge of mathematics, science, and engineering,
- b. an ability to design and conduct experiments, as well as to analyze and interpret data,
- c. an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability .
- d. an ability to function on multidisciplinary teams,
- e. an ability to identify, formulate, and solve engineering problems,
- f. an understanding of professional and ethical responsibility,
- g. an ability to communicate effectively,
- h. the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context,
- i. a recognition of the need for, and an ability to engage in life-long learning,
- j. a knowledge of contemporary issues,
- k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice and
- l. an ability to apply the knowledge of engineering principles to living entities for societal welfare.

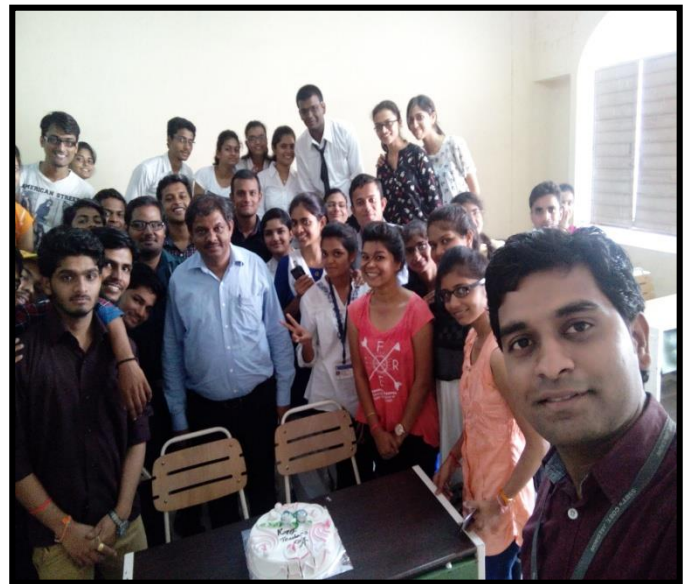
ABOUT THE DEPARTMENT

Department of Biotechnology came into existence in 2006 - 07 with starting of B.E.in Biotechnology to meet the demand of Biotechnology professionals. This is the only college to offer B.E. Biotechnology programme in North Maharashtra University region. The department laboratories are well equipped, with modern state of art facilities like computer controlled fermenter, lyophilizer, spectrophotometer, laminar air flow, incubator shaker, refrigerated research centrifuge etc. Department provides hands on training on ASPEN HYSYS and software's related to Bioinformatics. The department is engaged in teaching and research in Biotechnology & related area.

DEPARTMENTAL EVENTS

TEACHER'S DAY

The Teacher's day was celebrated in the Department on 5th of September 2015, All the SE to BE students with the Teachers have celebrated this day. On this occasion students have shared their views regarding their teachers. The Department Head Dr. I. D. Patil have also addressed the students regarding their studies and interaction with the department.



ENGINEER'S DAY

Engineer's Day was celebrated in the department on 15th September, 2015. All the SE, TE, & BE students and the faculties of the department were present.



INDUSTRIAL VISIT



The students of BE Biotechnology went for the Industrial Visit which was scheduled from 30th of September to 1st of October 2015.

The Industrial Visit was organized as follows:

1. NIPHT's Horticulture Training Institute, Talegaon Dabhade, Pune on 30th of September, 2015.
2. Mapro Food Park & Main Unit, Awi, Mahabaleshwar on 1st of October, 2015.
3. Wildberry Beverages, Wai, Mahabaleshwar on 1st of October, 2015,

APTITUDE TEST

Aptitude Test was conducted on General and Technical knowledge on 10th October, 2015.

All the BE students have participated. This test was conducted to make students aware of verbal and non verbal abilities which will be helpful for students in their job interview.

The winner of this test was: Miss. Sangita Singh.



STUDENTS WORKING ON FUNDED PROJECTS

Sr. No.	Name of Project	Students	Funded Agency	Grant Received	Mentor
1	Production, Purification & Characterization of Bacterial Xylanase using Spent Grains & Sugar Bagasse as Substrate	Sangeeta Singh Diksha Mishra Preeti Sonawane Komal Patil	IEDC	1 lakh	Dr. I.D.Patil Jayant P.Parpalliwar
2	Study on Fermentative Production and Purification of Amino Acids From Agricultural Waste	Mayur Patil Sachin Chule Tushar Sonavane Pratik Vispute	RGS&TC	1 lakh	Dr. I.D.Patil Jayant P.Parpalliwar

PHOTO GALLERY



Dr.K.S.Wani
Principal



Prof. S.P.Shekhawat
Director of Academics



Dr. I.D.Patil
Head of Biotechnology

PUBLICATION COMMITTEE

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