



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 accolades 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

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,

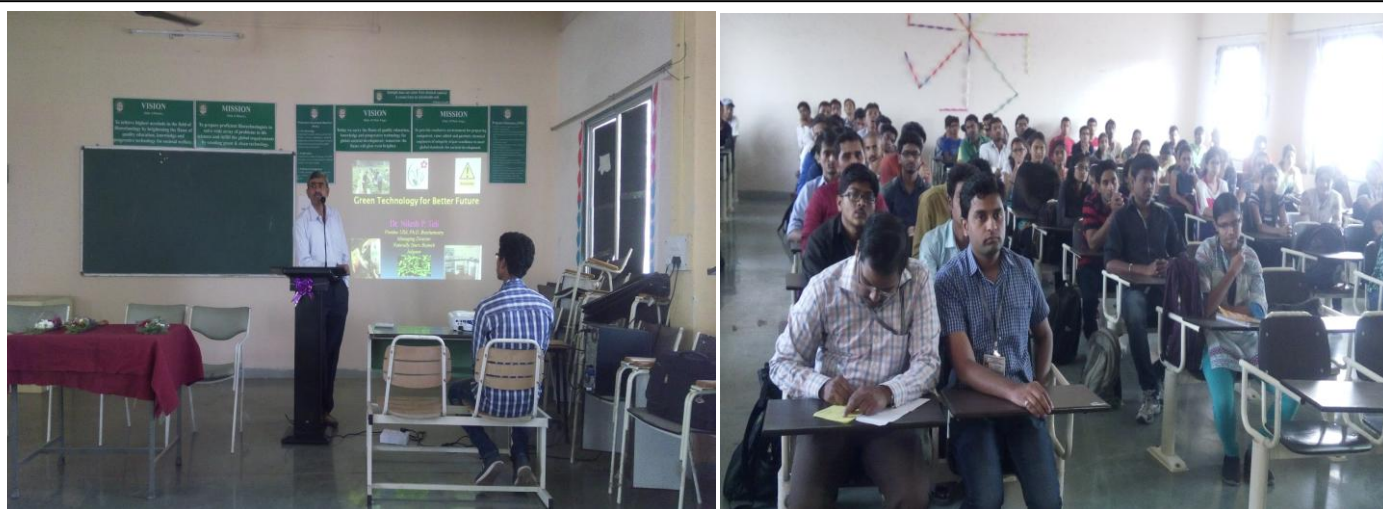
- a. an ability to apply knowledge of mathematics, science, and engineering,
- b. an ability to design and conduct experiments, as well as to analyze and interpret data,
- c. an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, 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 re-search in Biotechnology & related area.

DEPARTMENTAL EVENTS

GUEST LECTURE



- I. A Guest Lecture on "**Environmental Biotechnology**" was delivered by **Nandkishor More, Associate Professor, Department of Environmental Science, School of Environmental Science, Babasaheb Bhimrao Ambedkar University, Lucknow**. The program was organized by Department of Biotechnology on 24th of January 2015. All the students of Biotechnology faculty attended the Lecture. The Lecture helped students to understand the application of Green technology for fulfilling need of tomorrow.
- II. A Guest Lecture on "**Intellectual Property Right**" was delivered by **Mrs. Kanan Puranik**. The program was organized by Department of Biotechnology on 7th of February 2015. All the students of Biotechnology Department and faculty attended the Lecture.

ENTREPRENEURSHIP AWARENESS CAMP (EAC)



Final year students of the department have participated in " Entrepreneurship Awareness Camp" Organized by Innovation and Entrepreneurship Development Centre (IEDC) and SSBT's, COET, Bambhori, Jalgaon. The Two days camp was organized for all BE students during 28th February to 1st March 2015. On the occasion chief guest was Chief Guest Shri. Vasant Mhaske, Regional Manager, Bank of Maharashtra and eminent speakers was

Day 1: 28th February 2015

- **Shri. Kishor Dhake, Director**, Soyo Systems, M.I.D.C. Area, Jalgaon,
- **Shri. H.N.Badgujar**, Representative of DIC, Jalgaon,
- **Dr. Madhulika Sonawane**, Associate Professor, School of Management Studies, NMU, Jalgaon.

Day 2: 1st March 2015

- **Shri. B.J. Lathi**, Associate Professor, IMR, Jalgaon,
- **Mr. Sameer Jain**, Director, Masterline Lubricants, Bhadgaon, Dst., Jalgaon,
- **Shri. Chetan Chaudhari, Director, Kiran Machine Tools, Pune.**

During the camp, experts from industry, academics, and Government organizations guided the students about various aspects of entrepreneurship.

"SHODHPRAKALP PRATIYOGITA 2015"



The Department has organized "SHODHPRAKALP PRATIYOGITA 2015" University Level Project exhibition on 11th April, 2015 for all Final year Students. Diksh Soni & Pooja, School of Life Sciences (NMU), Jalgaon has Presented project on topic " Anticoagulant Activity of EPS from Cynobacteria" and secured first prize, Aisha Sayyad, Lilesh Pustode, Ankita Narkhede, Bhagyashri Magare and Stephy Rangari presented project under on topic Fermentative production of Bacillus protease using vegetable waste as substrate " secured second prize. Expert from industries and academics judged the projects.

STUDENTS ACHIEVEMENT

Sr.No.	Name of Project	Department	Students	Mentor
01	Fermentative production of Bacillus protease using vegetable waste as substrate	Biotechnology	Lilesh Pustode Bhagyashri Magare Ankita Narkhede Stephy Ragari Aisha Sayyad	Dr.I.D.Patil & Jayant P.Parpalliwar

1.2nd Prize at Milestone 2K15 – National Level Paper Presentation organized by SSBT's COET, Bambhori, Jalgaon on 6th February 2015.

2.2nd Prize at "SODHPRAKALP PRATIYOGITHA 2015" University Level Project Exhibition organized by IEDC, SSBT's COET, Bambhori, Jalgaon on 11th April 2015.

PHOTO GALLERY



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Principal



Prof. S.P.Shekhawat
Director of Academics



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Head of Biotechnology

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