



SSBT's College of Engineering & Technology Bambhori, Jalgaon.  
 (Included under section 2(f) and 12(B) of UGC Act, 1956  
 Grade B++ (2.91) NAAC Accredited and ISO -9001-2008 Certified)

## DEPARTMENT OF BIOTECHNOLOGY

NEWS LETTER Volume II, Issue X

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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"> <li>• Lush Green 25 Acre Campus</li> <li>• Virtual Class Rooms &amp; e-learning</li> <li>• Innovation &amp; Entrepreneurship Development Center</li> <li>• 40.5 Mbps Internet Facilities</li> <li>• 14000 sq. ft. Air-Cooled library</li> </ul> | <ul style="list-style-type: none"> <li>• Nationalized Bank &amp; ATM</li> <li>• Hi-Tech Gym &amp; Yoga Center</li> <li>• Medical facility</li> <li>• Shram Sadhana Research Promotion Scheme</li> <li>• Separate Girl's &amp; Boy's Hostel</li> </ul> |
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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"> <li>• Qualified and Experienced Faculty.</li> <li>• Research Activities.</li> <li>• Well Equipped Laboratories &amp; Departmental Library.</li> <li>• Emphasis on Laboratory practicals &amp; Projects.</li> </ul> | <ul style="list-style-type: none"> <li>• Good Result.</li> <li>• Entrepreneurship Initiatives.</li> <li>• Consultancy services</li> <li>• Students working on funded project</li> </ul> |
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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. The department is engaged in teaching and research in Biotechnology & related area.

## ***DEPARTMENTAL EVENTS***

### ***MILESTONE 2K17***



College has organized National Level Technical Student Paper Presentation event “MILESTONE 2K17”. The students from second year to final year have actively participated in the event. Finally the winners were declared and the prizes were distributed by the hands of Dr. M. Hussain, Prof. & Head Civil Engineering Department. The winners are as follows:

- 1. First Prize: Rashmi Kamble, Pallavi Lothe & Bhagyashree Chaudhari (B. E. Biotechnology)**
- 2. Second Prize: Renuka Tayede & Darshana Chaudhari (T. E. Biotechnology)**
- 3. Consolation Prize: Rohit Thakur & Bhagyesh Gaud ( S. E. Biotechnology)**

## GUEST LECTURES



- I. A Guest Lecture on "**Current Status of Perfumery Industry**" was delivered by **Shri. Aswar Mourya, Global Pvt. Ltd., Jalgaon**. The program was organized by Department of Chemical Engineering on 04<sup>th</sup> of March 2017. All the students of Biotechnology department and faculty have attended the Lecture.
- II. A Guest Lecture on "**Various Processes in Biopharmaceuticals Industry**" was delivered by **Alumini Mr. Ritesh Mali, Trainee Executive, INTAS Pharmaceuticals**. The program was organized by Department of Biotechnology on 7<sup>th</sup> March 2017. All the students of Biotechnology and faculty attended the Lecture.
- III. A Guest Lecture on "**Cement Industry: Future and challenges**" was delivered by **Shri. Upendra Tripathi, Manager, Orient Cement Ltd, Jalgaon**. The program was organized by Department of Chemical Engineering on 15<sup>th</sup> March 2017. All the students of Biotechnology Department and faculty members have attended the Lecture.
- IV. A Guest Lecture on "**Importance of Effective Communication in Corporate Life**" was delivered by **Mr. Mr. Dinesh Desai, Administrator, Anubhuti School Jalgaon**. The program was organized by Department of Electrical Engineering on 16<sup>th</sup> March 2017. All the students of Biotechnology Department and faculty members have attended the Lecture.
- V. A Guest Lecture on "**Oil Industry: Current Challenges**" was delivered by **Shri Vinod Agrawal, Director, S. K. Oil Mills Jalgaon**. The program was organized by Department of Chemical Engineering on 20<sup>th</sup> March 2017. All the students of Biotechnology and Chemical Engineering Department and faculty members have attended the Lecture.
- VI. A Guest Lecture on "**Advances in Agriculture Biotechnology**" was delivered by **Dr. K. B. Patil, Vice President, Tissue Culture Division, Jain Irrigation System Ltd., Jalgaon..** The program was organized by Department of Biotechnology on 21<sup>st</sup> March 2017. All the students of Biotechnology, Chemical Engineering and Mechanical Engineering Department and faculty have attended the Lecture.

## AD YOUR IDEA & APTITUDE TEST



- An Activity “**AD Your IDEA**” was conducted on 11<sup>th</sup> March 2017 under BESA.

The activity was about building the ability to present their selves and the students can advertise their ideas on the topic given to them. All students from SE to BE have participated in the activity.

The winner of the activity was Ms. Monali Patil (T. E. Biotechnology)



- **APTITUDE TEST** was conducted on General and Technical knowledge on 28<sup>th</sup> January, 2017. 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. Sadaf Idirisi ( B.E. Biotechnology)

## ***STUDENT PARTICIPATED IN CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES***



- I. Students have participated in Traditional day, Group Day, Chocolate day, Tie Day, Saree Day and Mismatch Day Competitions organized by the SSBT's College of Engineering and Technology, Bambhori, Jalgaon.
- II. Students of the department have also participated in Cricket, Badminton, Kho-Kho, basket Ball, Table Tennis, Pool/Snooker organized by SSBT's College of Engineering and Technology, Bambhori, Jalgaon, during Sports week.
- III. The students have participated in "VASANT UTSAV 2016" organized by the SSBT's College of Engineering and Technology, Bambhori, Jalgaon.

## 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 30th to 31st, March 2017. On the occasion chief guest was Dr. B. D. Karhad, Finance and Accounts Officer, North Maharashtra University. The session was also honored by Shri. C.S. Dodke, Former Asst. Director, Ministry of MSME, Govt. of India; Director M/s Master Stroke, Nagpur & Dr. B.B. Idage, Scientist, National Chemical Laboratory, Pune. Dr. I. D. Patil, Professor and Head, Biotechnology Department & IEDC Co-ordinator have successfully co-ordinate the event. During the camp, experts from industry, academics, and Government organizations guided the students about various aspects of entrepreneurship.

## STUDENTS ACHIEVEMENT

### 1. Gold Medal:

Miss. Sangeeta Singh has awarded Gold Medal by North Maharashtra University for the academic year 2015-16 as university topper.

### 2. Patent going to be filed

The patent going to be filed for the students Project named “Fermentative production and Characterization of Actinomycin by Streptomyces antibioticus using Protein Rich Supplements as Substrate” working under IEDC.



# PHOTO GALLERY



**Dr. K.S. Wani**  
Principal



**Dr. I.D. Patil**  
Head of Biotechnology

## PUBLICATION COMMITTEE

**Dr. I.D. PATIL**  
CO-ORDINATOR

**Ms. AAISHA SAYYAD**  
CONTENT ORGANIZER