



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 Centre. • 40.5 Mbps Internet Facilities . • 14000 sq. ft. AC 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.

MISSION

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

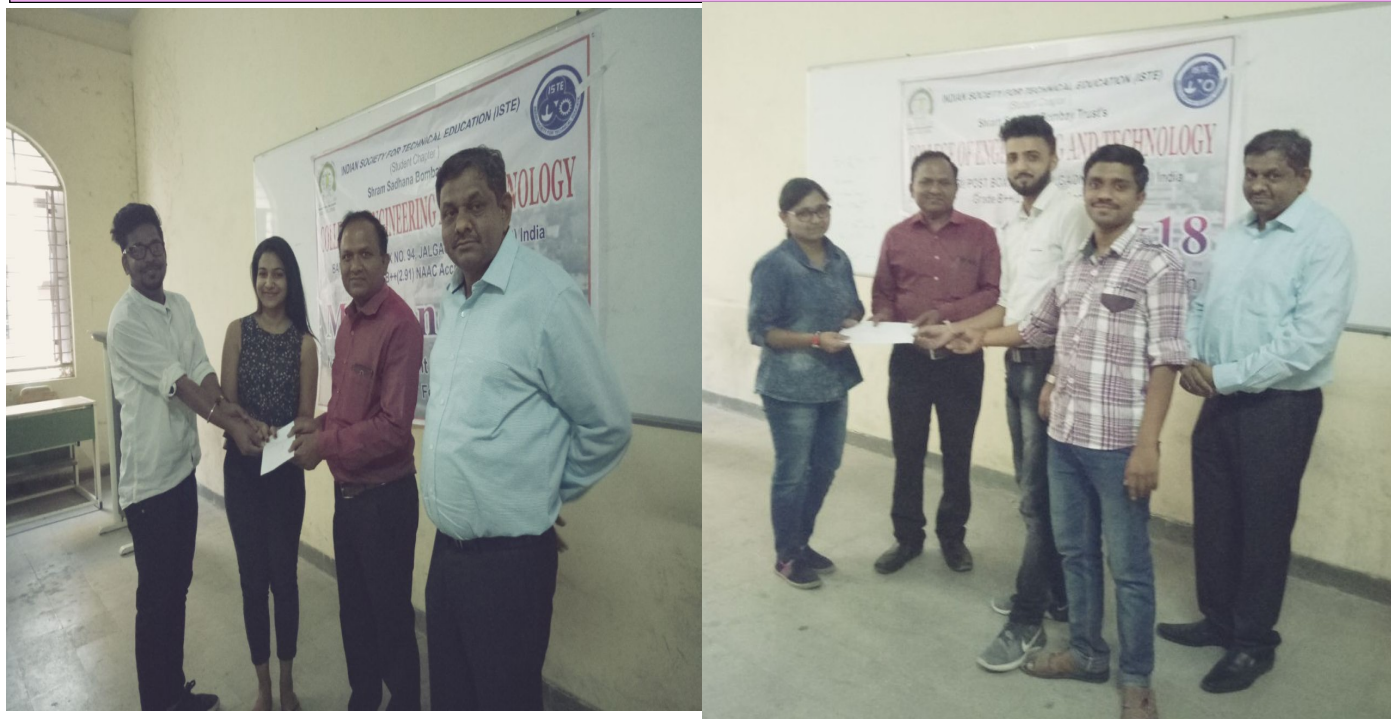
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| <ul style="list-style-type: none"> • Qualified and Experienced Faculty. • Research Activities. • Co-ordination, Integrity and Dedication of Faculty and Staff. • Well Equipped Laboratories & Departmental Library . • Computer Facilities and Internet. | <ul style="list-style-type: none"> • Emphasis on Laboratory Practicals and Projects. • Hands on training of ASPEN HYSYS Software. • Consultancy Services. • Good Results. |
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<i>PROGRAMME EDUCATIONAL OBJECTIVES</i>	<i>PROGRAMME OUTCOMES</i>
<p>I.</p> <p>To provide students a necessary background in Mathematics, Life Sciences, Engineering and technology to develop a strong foundation in the arena of Biotechnology.</p> <p>II.</p> <p>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.</p> <p>III.</p> <p>To develop professionalism and other moral values amongst students.</p>	<p>After completion of the BE Biotechnology Programme graduates will have,</p> <ul style="list-style-type: none"> 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, and k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice. 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 spacious, 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



MILESTONE 2K18

College has organized National Level Technical Student Paper Presentation event “MILESTONE 2K18”. The students from second year to final year have actively participated in the event. Finally the winners were declared and the prizes were distributed .The winners are as follows:

1. **First Prize:** Mukesh Pandit and Surosri Banerjee (BE, Biotechnology)
2. **Second Prize:** Rohit Thakur, Bhagyesh Gaud & Hemvanta Patil (TE Biotechnology)

"SHODHPRAKALP PRATIYOGITA 2018 "



The Department has organized "SHODHPRAKALP PRATIYOGITA 2018" University Level Project exhibition on 31st March, 2018 for all Final year Students.

The project exhibition was judged by **Mr. Narendra Gosavi, Assistant Director, Regional Forensic Science Laboratory, Pune**. Total 14 students with 4 projects participated in the project exhibition.

1. **Virendra Patil, Renuka Tayade, Anwasha Munshi, Santosh Bhumkar** had Presented project on

" Production of Biobutanol using Banana Waste" secured First prize.

There is a tie for Second Prize.

2. **Mukesh Pandit, Surosri banerjee, Neha Patil** had Presented project on topic **"Production of Collagen from Fish Waste"** and secured first prize ;

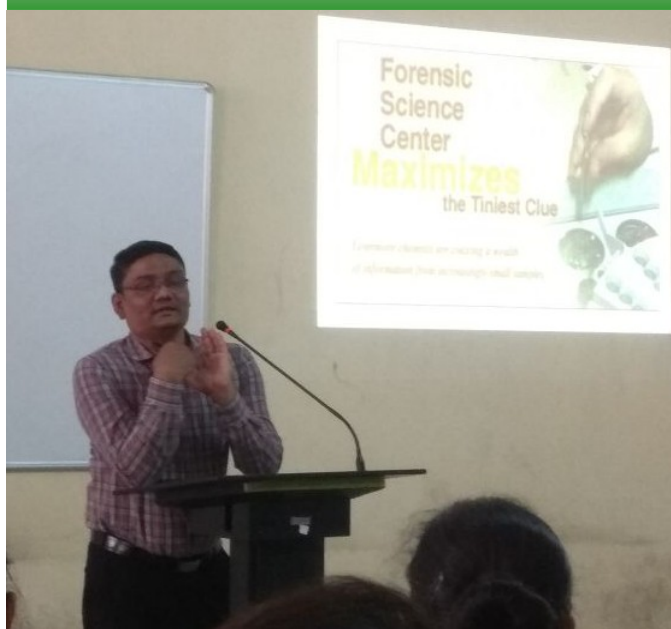
3. **Monali Patil, darshana Chaudhari, Anjali Patil** had presented project on topic **" Formulation of Bio pesticide using Agricultural Waste Extract"** secured Second prize.

Guest Lecture by Dr. Vasude Zambare



A Guest Lecture on "*Role & Challenges in Bioprocessing of Lignocelluloses to Fuels and Chemicals*" was delivered by **Dr. Vasudev P. Zambare, Director, Om Biotechnologies, Nashik**. The program was organized by Department of Biotechnology Engineering on 19th of March 2018. All SE ,TE BE students of Biotechnology department and faculty have attended the Lecture.

Guest Lecture by Mr. Narendra Gosavi



A Guest Lecture on "*Role of Biotechnology and Chemical Engineers in Forensic Lab, Food & Drug Industries.*" was delivered by **Mr. Narendra Gosavi, Assistant Director, Regional Forensic Science Laboratory, Pune**. The program was organized by Department of Biotechnology Engineering on 24th of March 2018. All the students of Biotechnology department and faculty have 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 16th to 17th February 2018. 1st session was conducted by **Shri. Anand Kothari, Anand Publications, Jalgaon** on the topic **Creativity and Business-The man behind the venture- the behavioural scientists approach** and next session was conducted by **DR. P. T. Chaudhari, Head, Department of Commerce, M.J. College, Jalgaon** on the topic **Why Entrepreneurship?(Focus on Women Entrepreneurship)**. The session was honoured by DR. K. S. Wani, Principal, SSBT's COET, Bambhori and Dr. I. D. Patil, Professor and Head, Biotechnology Department & SSIEDC 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.

Mock Test for GATE

MOCK TEST For GATE was conducted on General and Technical knowledge on 13th January 2018. 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.



STUDENT PARTICIPATED IN CO-CURRICULAR AND EXTRACURRICULAR ACTIVITIES



I. Students have participated in Traditional day, Group Day, Chocolate day, Tie Day, Sari 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 2018" organized by the SSBT's College of Engineering and Technology, Bambhori, Jalgaon.

STUDENTS ACHIEVEMENT



1. **Gold Medal:** Miss. Rashmi Kamble has awarded Gold Medal by North Maharashtra University as university topper of the academic year 2016-17 .

2. **Ms. Surosri Banerjee** (BE, Biotechnology) has cleared GRE Examination with score 319 out of 340 and TOFEL score of 110 out of 120 and selected for admission MS in Biotechnology Management and Entrepreneurship Programme in Katz School at Yashava University, New York with scholarship of \$3000 (USD) and Graduate assistantship during study.

3. **Mr. Virendra Patil** (BE, Biotechnology) has cleared the CAT examination with 88%

4. **Mr. Mukesh Pandit** Secured Second Prize in spot Painting in Yuvarang 2018 at Zonal & University level.

5. **Mr. Mukesh Pandit** got place in **Valitude Primer Pvt. Lmt. Delhi.**

PHOTO GALLERY



Dr.K.S.Wani
Principal



Dr. I.D.Patil
Head of Biotechnology



Mr. Jayant Parpalliwar, Asst. Prof.



Mrs. Sarika Pawar, Asst. Prof.



Mr. Gaurav Khodape, Asst. Prpf.

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