



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

## DEPARTMENT OF BIOTECHNOLOGY

NEWS LETTER Volume I, Issue IX

July 2016- December 2016

# BIONEERS



Smt. Pratibhatai Patil  
Our Inspiration



Dr. Devesingh Shekhawat  
Chairman



Shri. Raosaheb Shekhawat  
Managing Trustee

### ABOUT THE COLLEGE

- 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
- Nationalized Bank & ATM
- Hi-Tech Gym & Yoga Center
- Medical facility
- Shram Sadhana Research Promotion Scheme
- Separate Girl's & Boy's Hostel

### VISION

To achieve highest accolades 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

- Qualified and Experienced Faculty.
- Research Activities.
- Well Equipped Laboratories & Departmental Library.
- Emphasis on Laboratory practicals & Projects.
- Good Result.
- Consultancy services.
- Entrepreneurship Initiatives.
- Students working on funded project.

## **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 the 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***

## ***STUDENTS PLACEMENTS 2016***

Total no. of Students Enrolled: 20

No. of Students opted for Higher Study: 05

No. of Students Placed: 11

<b>Sr. No.</b>	<b>Name of the Student</b>	<b>Name of the Organization</b>
1	Mr. Tushar Sonawane	WOKHARDT Limited, Waluj, Aurangabad
2	Mr. Sachin Ghule	WOKHARDT Limited, Waluj, Aurangabad
3	Ms. Diksha Mishra	INTAS PHARMACEUTICALS Limited, Ahemedabad
4	Mr. Ritesh Mali	INTAS PHARMACEUTICALS Limited, Ahemedabad
5	Mr. Gokul Menon	INTAS PHARMACEUTICALS Limited, Ahemedabad
6	Mr. Kashif Sayyad	INTAS PHARMACEUTICALS Limited, Ahemedabad
7	Ms. Preeti Sonawane	SSBT's COET, Bambhori, Jalgaon
8	Mr. Vishal Patil	ZUARI AGRO CHEMICALS Limited, Nasik
9	Mr. Mahesh Suryawanshi	WOKHARDT Limited, Waluj, Aurangabad
10	Mr. Mayur Patil	Amazon Development Center India Pvt. Ltd. Banglore
11	Mr. Sachin Bhirud	Arkray Healthcare Pvt. Ltd., Surat

## ***STUDENTS WORKING ON FUNDED PROJECTS***

<b>Sr. No.</b>	<b>Name of Project</b>	<b>Students</b>	<b>Funded Agency</b>	<b>Grant Received</b>	<b>Mentor</b>
1	Production, Purification & Characterization of Bacterial Xylanase using Spent Grains & Sugar Bagasse as Substrate	Sadaf Idirisi Rashmi Kamble Pallavi Lothe Bhagyashree Chaudhari	IEDC	1 lakh	Dr. I.D.Patil Jayant P.Parpalliwar
2	Study on Fermentative Production and Purification of Histidine From Agricultural Waste	Shweta Batte Shreya Patil Vijay Khuswaha Priya Hotchandani	RGS&TC	1 lakh	Dr. I.D.Patil Jayant P.Parpalliwar

## ***DEPARTMENTAL ACTIVITIES***

### ***TEACHER'S DAY***



The Teacher's day was celebrated in the Department on 5<sup>th</sup> of September 2016, 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 has also addressed the students.

## ***FRESHER'S PARTY***



Fresher's Party "**BLOSSOMS 2016**" was organised for the students of First year. Students get a chance to interact with their faculty and friends and get to know the department even better.

## ***GROUP DISCUSSION***



Group discussion was conducted on the topic "Should the Indian Government allow Free Trials on Genetically Modified Crops" on 16<sup>th</sup> July, 2016.

All SE to BE students have participated. Students have put up their thoughts on various aspects of GMO's and the rules, regulation and practices that should be employed.

The winner of this Group Discussion was: Mr. Virendra Patil (T. E Biotechnology)



## ***BE AN INTERVIEWER***



An Activity “BE AN INTERVIEWER” was conducted on 10<sup>th</sup> of September 2016 under BESA.

The activity was about building the ability of students to face the interview panel and also to improve the soft skills in students. All students from SE to BE have participated in the activity.

## ***INDUSTRIAL VISIT***



The students of BE Biotechnology have Visited Nirmal Seeds Pvt. Ltd. Pachora, Dist. Jalgaon & Ram Biotech, Jalgaon on 24<sup>th</sup> of September 2016 along with department faculties Mr. Jayant Parpalliwar, Assistant Professor & Mr. Gaurav Dilip Khodape, Assistant Professor, Biotechnology Department.

## PHOTO GALLERY

### जमिनीशिवाय गुरांच्या चाऱ्याची निर्मिती

'स्प्रेडसीड' बायोटेक्नॉलॉजी विभागाच्या विद्यार्थ्यांनी साकारला अभिनव प्रकल्प



#### असि अहिर काररे

- या विद्यार्थ्यांनी कारी करीत असताना बोट व तेथील सुसज्ज बसले होते.
- विद्यार्थ्यांनी बोटवर असतानाच ही प्रकल्प पूर्ण केला.
- याप्रमाणे विद्यार्थ्यांनी या प्रकल्पात सहभाग घेतला.
- याप्रमाणे विद्यार्थ्यांनी या प्रकल्पात सहभाग घेतला.
- याप्रमाणे विद्यार्थ्यांनी या प्रकल्पात सहभाग घेतला.
- याप्रमाणे विद्यार्थ्यांनी या प्रकल्पात सहभाग घेतला.

#### प्रत्यक्षात काळजी

- प्रत्यक्षात काळजी घ्यावी.
- प्रत्यक्षात काळजी घ्यावी.
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### जैवतंत्रज्ञान वापरून औद्योगिक वसाहतीतील सांडपाण्याचे शुद्धीकरण

एसएसबीटी कॉलेजच्या विद्यार्थ्यांचे संशोधन

प्रतिनिधी : जयराव  
जैवतंत्रज्ञान विभागाच्या विद्यार्थ्यांनी या प्रकल्पात सहभाग घेतला. या प्रकल्पात विद्यार्थ्यांनी जैवतंत्रज्ञान वापरून औद्योगिक वसाहतीतील सांडपाण्याचे शुद्धीकरण केले. या प्रकल्पात विद्यार्थ्यांनी जैवतंत्रज्ञान वापरून औद्योगिक वसाहतीतील सांडपाण्याचे शुद्धीकरण केले.

#### पर्यावरणसुरक्षक पद्धत

पर्यावरणसुरक्षक पद्धत वापरून औद्योगिक वसाहतीतील सांडपाण्याचे शुद्धीकरण केले. या प्रकल्पात विद्यार्थ्यांनी जैवतंत्रज्ञान वापरून औद्योगिक वसाहतीतील सांडपाण्याचे शुद्धीकरण केले.



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



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

## PUBLICATION COMMITTEE

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