



**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 20

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# **BIONEERS**



**Smt. Pratibhatai Patil**  
**Our Inspiration**

### **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 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**

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



**Dr. Devisingh Shekhawat**  
**Chairman**



**Shri. Raosaheb Shekhawat**  
**Managing Trustee**

<b>PROGRAMME EDUCATIONAL OBJECTIVES</b>	<b>PROGRAMME OUTCOMES</b>
<p><b>I. Core Knowledge</b></p> <p>To provide students with a necessary background in Mathematics, Life Sciences, Engineering and technology to develop a strong foundation in the arena of Biotechnology.</p> <p><b>II. Employment/Continuing Education</b></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><b>III. Professional Competency</b></p> <p>To develop professionalism and other moral values amongst students.</p>	<ul style="list-style-type: none"> <li>• <b>Engineering knowledge:</b> Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.</li> <li>• <b>Problem analysis:</b> Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.</li> <li>• <b>Design/development of solutions:</b> Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.</li> <li>• <b>Conduct investigations of complex problems:</b> Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.</li> </ul>
<b>PROGRAMME SPECIFIC OUTCOMES</b>	<ul style="list-style-type: none"> <li>• <b>Modern tool usage:</b> Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.</li> <li>• <b>The engineer and society:</b> Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.</li> <li>• <b>Environment and sustainability:</b> Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.</li> <li>• <b>Ethics:</b> Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.</li> <li>• <b>Individual and team work:</b> Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.</li> <li>• <b>Communication:</b> Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.</li> <li>• <b>Project management and finance:</b> Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.</li> <li>• <b>Life-long learning:</b> Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change</li> </ul>
<ol style="list-style-type: none"> <li>1. Biotechnology Engineer will be able to explicate the principles and applications of analytical methods involved in Biotechnology of Bio molecules &amp; also emphasis on the molecular biology in the recombinant DNA technology to animals, plants &amp; microbial organisms.</li> <li>2. Biotechnology Engineer will be able to apply core knowledge of Biotechnology in the field of medical, microbial, environmental, agricultural, plant, animal, and forensic sciences.</li> <li>3. Biotechnology Engineer will possess hands-on technical skills necessary for research activity in the field of Biotechnology.</li> </ol>	

## ***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 Kavayitri Bahinabai Chaudhari North Maharashtra University region. The department laboratories are well equipped, with modern state of the art facilities like computer controlled fermenter, lyophilizer, spectrophotometer, laminar air flow, shaker incubator, refrigerated research centrifuge etc. The department is engaged in teaching and research in Biotechnology & related area.

## ***STUDENTS PLACEMENTS 2021***

<b>Name of Student</b>	<b>Position</b>	<b>Name of Industry</b>
Sanket Sonawane	Management Trainee in PDL	Mj Biopharm
Neha Mude	Clinical research coordinator	Epic Hospital
Sagar Sarode	Trainee executive	Intas Biopharmaceuticals
Rahul Chavhan	Trainee officer (API)	Wockhardt Biotech Park Waluj
Dipali Chaudhari	Clinical Research coordinator.	Cliantha Research Pvt. Limited
Mayur Khambayat	Trainee executive	Intas Biopharmaceutical
Jain Chetan	Trainee executive	Intas Biopharmaceutical
Giriraj Kabra	Trainee excuctive	Intas Biopharma
Niraj Bari	Trainee officer production	Zydus Vtech
Manvi Ramteke	Clinical research coordinator	Epic Hospital,

## ***STUDENTS OPTED FOR HIGHER EDUCATION***

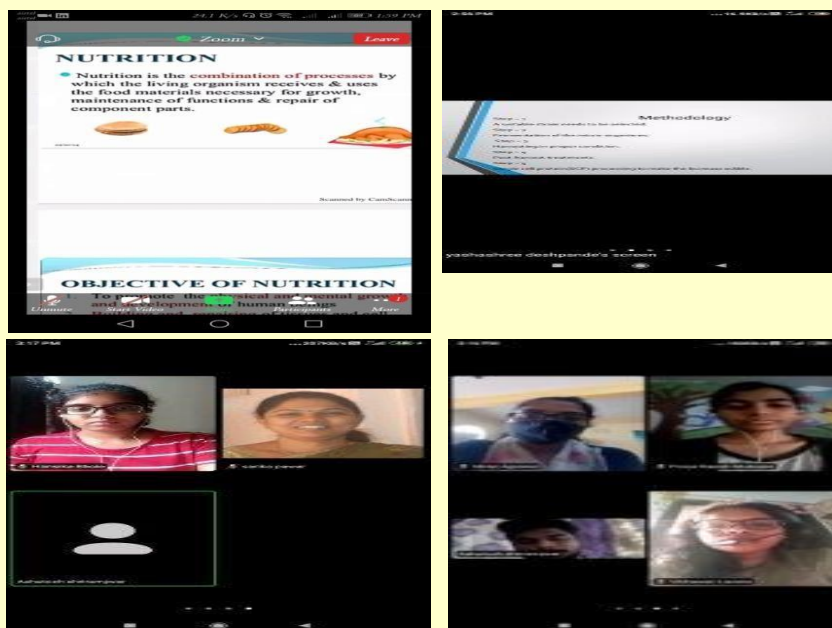
<b>Name of Student</b>	<b>Course</b>	<b>Institute</b>
Atharva Bave	MBA	MIT, Aurangabad
Punam Mujmule	M.Tech.	MIT, Aurangabad

## **DEPARTMENTAL EVENTS ENGINEER'S DAY CELEBRATION**



Engineer's day was celebrated online on 15<sup>th</sup> of September 2021. All the SE, TE and BE students with faculty members have celebrated this day. On this occasion students have shared their views. The Head of Department Dr. V. R. Diware, Prof. Jayant Parpalliwar, Prof. Sarika Pawar have also addressed the students regarding their studies .

### **ADD-ON COURSE**



Add-on course of 30 hours was conducted virtually from 25<sup>th</sup> October 2021 to 30<sup>th</sup> October. All the students of SE, TE & BE Biotechnology have enrolled in the course. Title of add-on course was “**Career in Food Nutrition and Dietetics**”. Program was coordinated by The Head of Department Dr. V. R. Diware, Prof. Jayant Parpalliwar, Prof. Sarika S. Pawar Ms. Shital Agrawal, Asst, Professor, & Mr. Swapnil Khillare, Asst professor, Biotechnology.



## TECHNICAL DRAWING COMPETITION



Technical drawing competition was organized online on 20/11/2021 at 2:00pm to 4:00pm. All the students of SE, TE & BE Biotechnology have participated in the competition. Topic for drawing Competition was “**Biotechnology stock illustration**”. Program was coordinated by Ms. Shital Agrawal, Asst, Professor, & Mr. Swapnil Khillare, Asst professor, Biotechnology. Few drawing are shown above.

## ELOCUTION COMPETITION



Elocution competition was organized online on 23/10/2021 at 4.00 pm to 5.00 pm. All the students of SE, TE & BE Biotechnology have participated in the competition. Topic for elocution competition was “**Education is the Powerful Weapon**”. Program was coordinated by Mrs. Sarika. S. Pawar, Asst. Professor, Biotechnology.

## GROUP DISCUSSION



Group Discussion program was conducted virtually on 27/11/2021 at 2:00pm to 4:00pm. All the students of SE, TE & BE Biotechnology have participated in the competition. Topic for group discussion was “**Impact of corona on student life**”. Program was coordinated by Ms. Shital Agrawal, Asst, Professor, & Mr. Swapnil Khillare, Asst professor, Biotechnology



**Dr. G.K. Patnaik**  
Principal



**Dr. V. R. Diware**  
Head of Biotechnology

## ***NEWS LETTER COMMITTEE***

**Dr. V. R. Diware**  
**CO-ORDINATOR**

**Mrs. Sarika S. Pawar**  
**CONTENT ORGANIZER**

**Ms. Pranav Chaudhary (S.E.), Ms. Nikita Bhalerao (T.E.), Ms. Vishanavi Deore (B.E.)**  
**STUDENT COORDINATORS**