



**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 22

June 2022- Dec 2022

BIONEERS



Smt. Pratibhatai Patil
Our Inspiration



Dr. Devisingh Shekhawat
Chairman



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 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"> • Qualified and Experienced Faculty. • Research Activities. • Well Equipped Laboratories & Departmental Library. • Emphasis on Laboratory practicals & Projects. | <ul style="list-style-type: none"> • Consultancy services. • Good Result. • Entrepreneurship Initiatives. • Students working on funded project. |
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PROGRAMME EDUCATIONAL OBJECTIVES	PROGRAMME OUTCOMES
<p>I. Core Knowledge</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>II. Employment/Continuing Education</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. Professional Competency</p> <p>To develop professionalism and other moral values amongst students.</p>	<ul style="list-style-type: none"> • Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. • Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. • Design/development of solutions: 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. • Conduct investigations of complex problems: 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.
PROGRAMME SPECIFIC OUTCOMES	<ul style="list-style-type: none"> • Modern tool usage: 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. • The engineer and society: 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. • Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. • Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. • Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. • Communication: 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. • Project management and finance: 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. • Life-long learning: 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
<ol style="list-style-type: none"> 1. Biotechnology Engineer will be able to explicate the principles and applications of analytical methods involved in Biotechnology of Bio molecules & also emphasis on the molecular biology in the recombinant DNA technology to animals, plants & microbial organisms. 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. 3. Biotechnology Engineer will possess hands-on technical skills necessary for research activity in the field of Biotechnology. 	

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 2022

Name of Student	Position	Name of Industry
Krishna Patil	Trainee executive	Science On Wheels, Chandigarh
Ashutosh Shriramjwar	Assistant Professor	SSBT COET, Jalgaon
Ashwini Badgujar	Assistant Professor	SSBT COET, Jalgaon
Kunal Patil	Executive	Intas Biopharma, Ahmedabad
Rutuja Vakalkar	Trainee executive	Reliance Life Sciences
Komal Shinde	Executive	Intas Biopharma, Ahmedabad
Vishal Mistari	Executive	Intas Biopharma, Ahmedabad
Izhan Ansari	Executive	Livestamin health care
Neha Sonar	Analyst devOps Operation	ICE Mortgage Technology, Pune

STUDENTS FOR HIGHER STUDIES

Name of Student	Institute	Discipline
Yashashri Deshpande	C-DAC ACTS, Patna	C-DAC
Vibhawari Lavne	Assistant Professor	SSBT COET, Jalgaon

DEPARTMENTAL EVENTS

TEACHERS DAY



Teachers' day program celebrated on 05/09/2022 By all students of Biotechnology Department actively participated in the program.

TREE PLANTATION



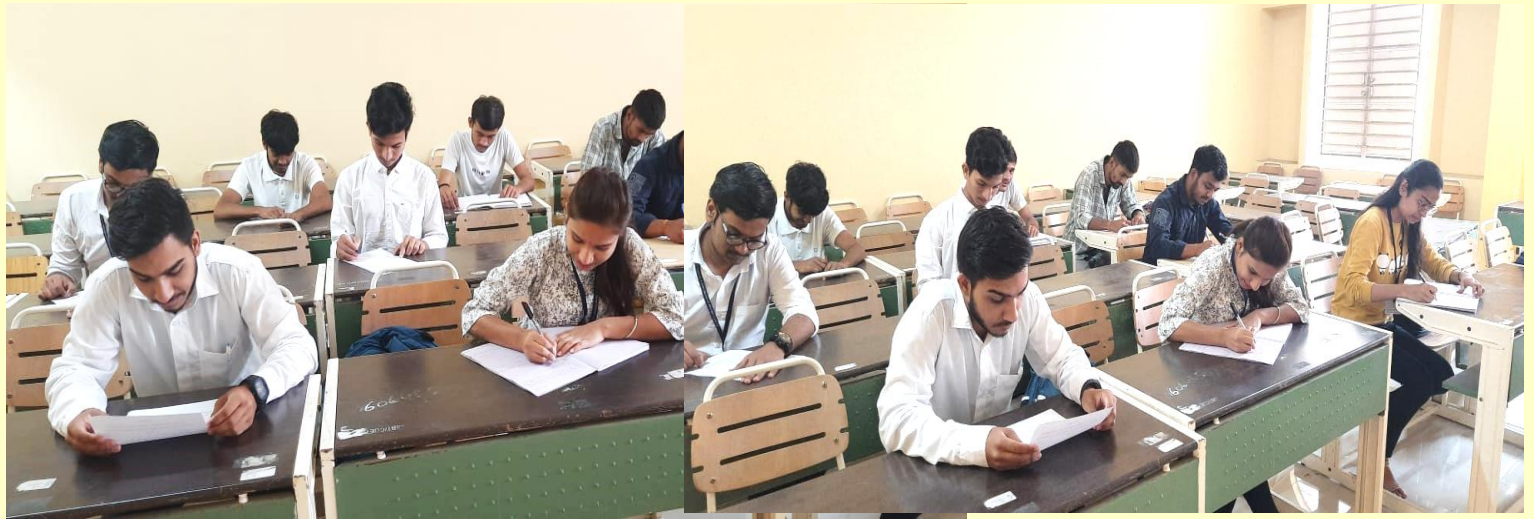
Tree Plantation Program was conducted on 15/09/2022 at SSBT'COET Campus. Students of the Chemical Engineering & Biotechnology Department actively participated in the program.

Expert Lecture



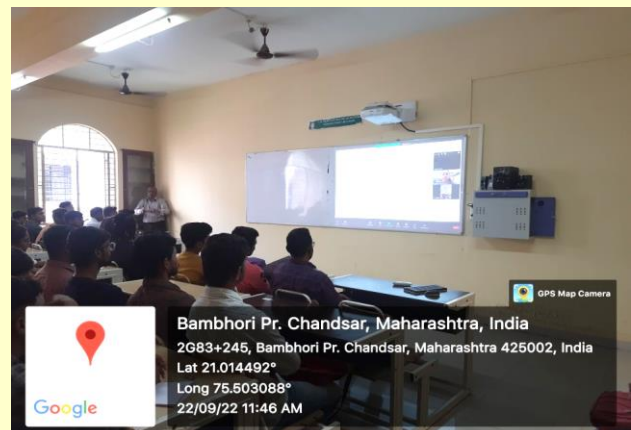
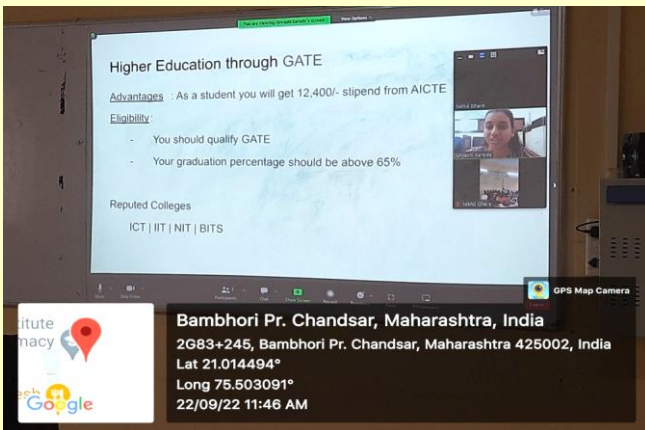
On the occasion of Engineers Day, an expert lecture of Mr. M. Mujtahid Ansari, Assistant Professor, Electrical Engineering Department, SSBT's COET was organized on 15/09/2022 on the topic "Energy Audit in Process Industries", for the students of Chemical & Biotechnology Engineering. The event jointly organized by Energy Club & Chemical Engineering Department..

Essay Competition



Essay competition on 17/09/2022 on the topic "The changes in Indian Technical Education after Independence" was organized for the students of Chemical & Biotechnology Engineering Department.

Alumni Lecture



Alumni Ms. Urvashi Sarode, Research Student, Chemical Engineering, ICT, Mumbai, delivered lecture on 22/09/2022 on the topic "Pursuing Higher Studies in the field of Chemical Engineering & Biotechnology Engineering" On Zoom Platform. Students of Chemical & Biotechnology Engineering Department attended the lecture.



Dr. G.K. Patnaik
Principal



Dr. V. R. Diware
Head of Biotechnology

NEWS LETTER COMMITTEE

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