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 21 Jan 2022- June 2022

BIONEERS

Smt. Pratibhatai Patil

Our Inspiration

Dr. DevisinghShekhawat

Chairman

Shri.RaosahebShekhawat

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 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.

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 thearena 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 SPECIFIC OUTCOMES

1. Biotechnology Engineer will 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 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.

PROGRAMME OUTCOMES

- **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.
- **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

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	Trainee executive	Science On Wheels, Chandigarh
Akash Johari	Trainee executive	Mystical Biotech, Bangalore
Hansika Bhole	Trainee executive	Intas Biopharma, Ahmedabad
Mahima Panchbhai	Trainee executive	Intas Biopharma, Ahmedabad
Neha Yeola	Trainee executive	Intas Biopharma, Ahmedabad
Kunal Patil	Trainee executive	Intas Biopharma, Ahmedabad
Rutuja Vakalkar	Trainee executive	Intas Biopharma, Ahmedabad
Pooja Mahajan	Trainee executive	Intas Biopharma, Ahmedabad
Komal Shinde	Trainee executive	Intas Biopharma, Ahmedabad
Vishal Mistari	Trainee executive	Intas Biopharma, Ahmedabad

GATE 2022 QUALIFIERS

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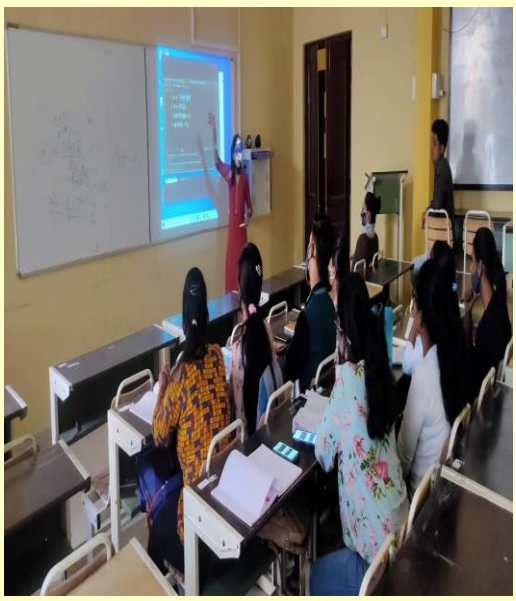
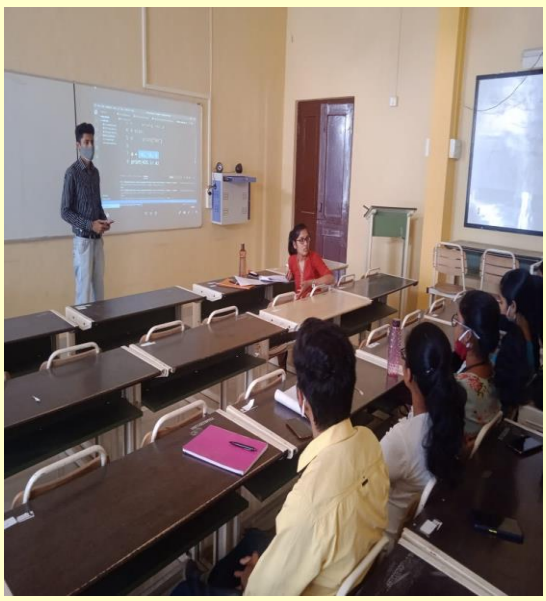
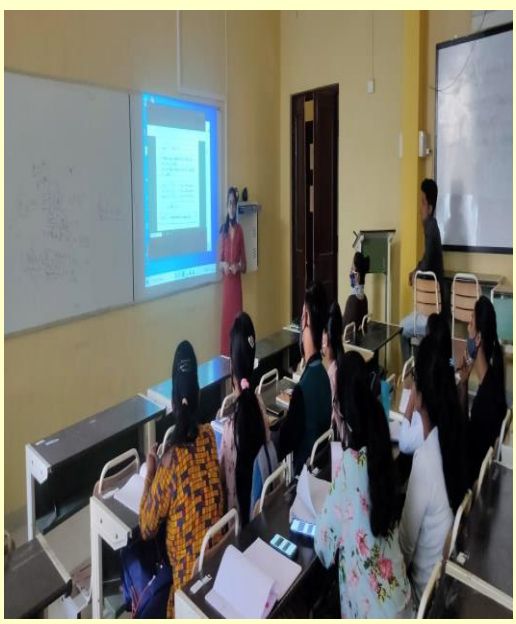
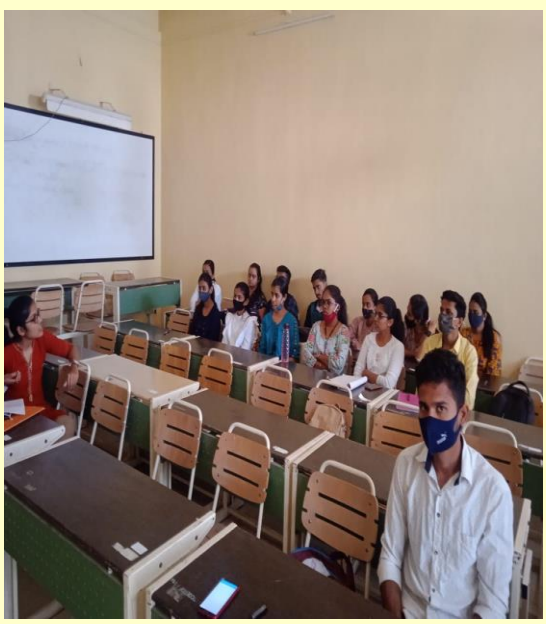
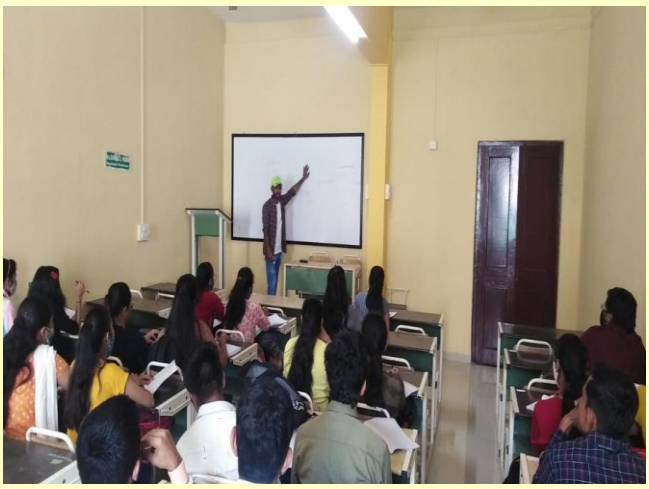
DEPARTMENTAL EVENTS

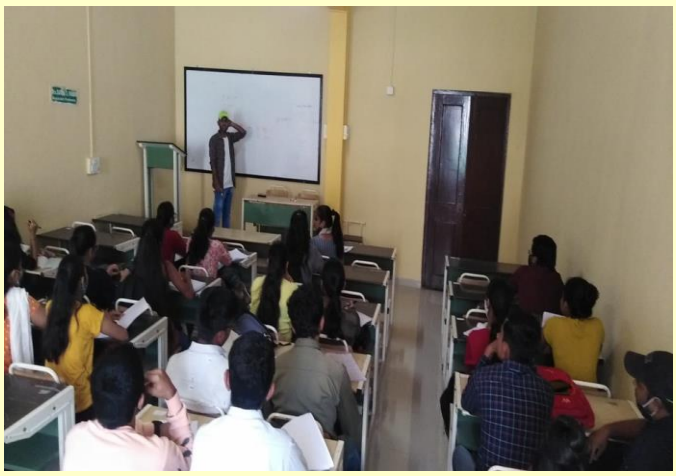
ADD-ON COURSE

Add-on course of 30 hours was conducted virtually from 03rd. March 2022 to 09th. March 2022. All the students of TE & BE Biotechnology have enrolled in the course. Title of add-on course was **"Data Analysis in Python for Biotechnologist".** 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.

Alumni Lecture

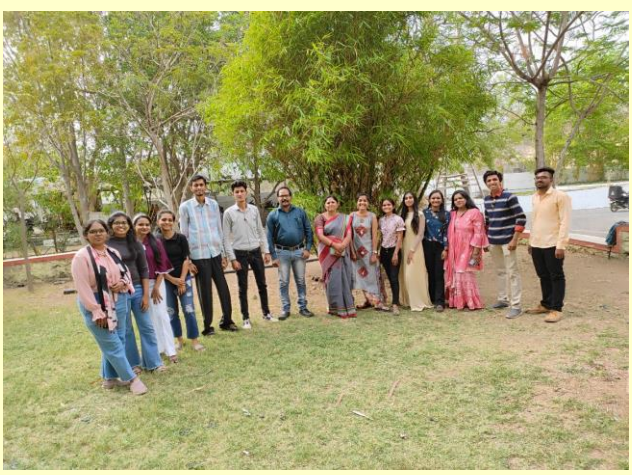


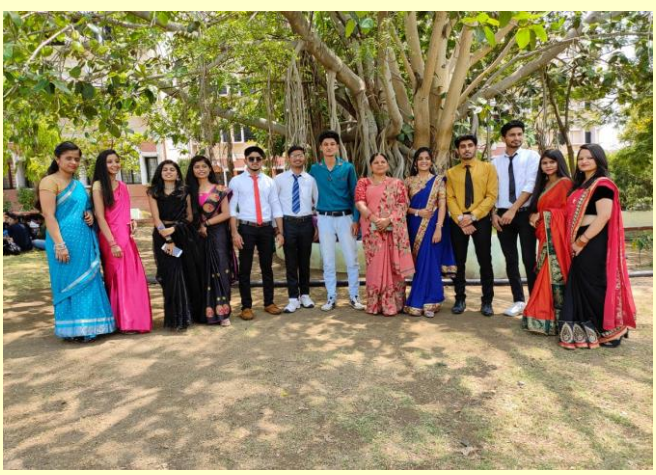


Alumni lecture was held on 23/03/2022 . **A**ll the students of SE, TE & BE Biotechnology are present in this session. Topic for Alumni lecture was "**Carrier in Biotechnology Field**". Program was coordinated by Mr. Rahul Chauhan , Trainee in Wockhardt Biotech Park ,Waluj, Aurangabad.

Cultural Events

Saree Day, Tie Day & Traditional Day





Cultural events was conducted on 20/04/2022 to 23/04/2022. **A**ll the students of SE, TE & BE Biotechnology was gathered in this event. Program was co-ordinated by Ms. Shital Agrawal (Asst. Professor) & Mr. Swapnil Khillare, Asst professor, Biotechnology.

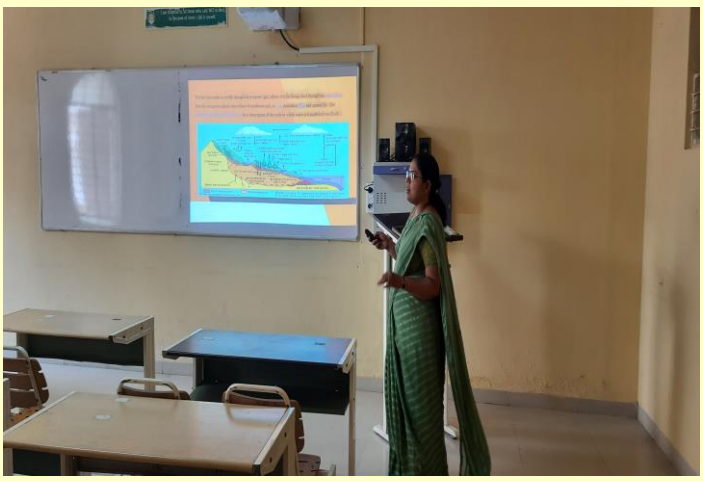
Fresher's and Farewell party

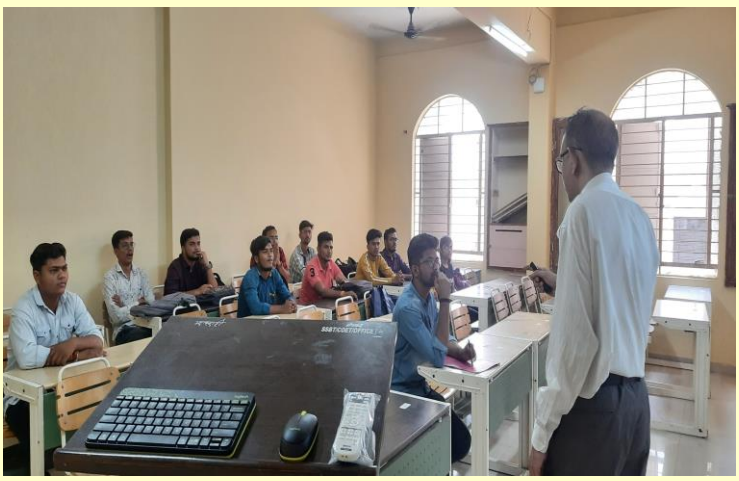
Fresher's and Farewell party was conducted on 23/04/2022. **A**ll the students of SE, TE & BE Biotechnology was gathered in this program. Program was coordinated by The Head of Department Dr. V. R. Diware, Prof. Jayant Parpalliwar, Prof. Sarika S. Pawar, Ms. Shital Agrawal (Asst. Professor) & Mr. Swapnil Khillare (Asst. professor) Biotechnology.

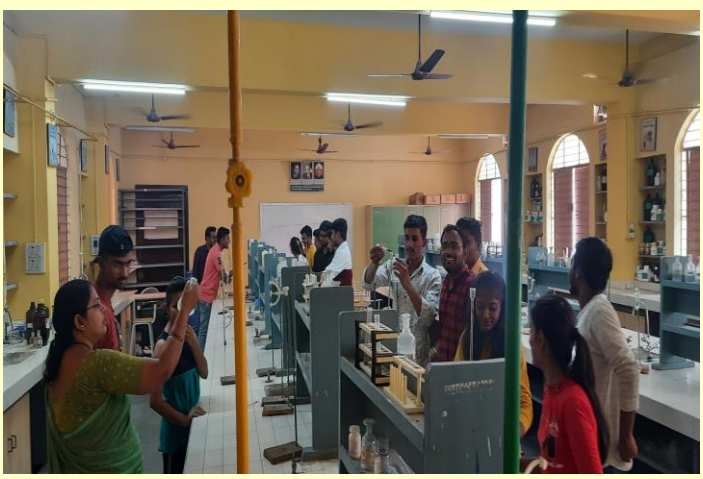
Milestone 2K22

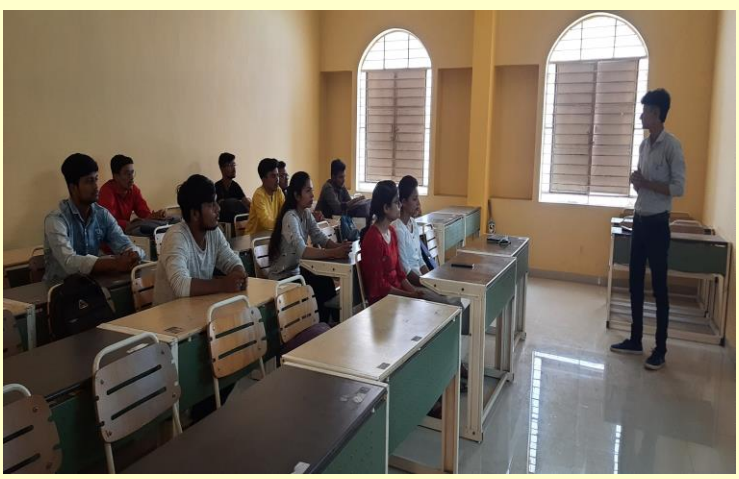
National Level Mega Events, Milestone 2K22 was conducted on 16/04/2022. **A**ll the students of SE, TE & BE Biotechnology was gathered in this event. Program was coordinated by The Head of Department Dr. V. R. Diware, Prof. Jayant Parpalliwar, Prof. Sarika S. Pawar, Ms. Shital Agrawal (Asst. Professor) & Mr. Swapnil Khillare (Asst. professor) Biotechnology.

Add on Course









Add-on course of 30 hours was conducted virtually from 19th May 2022 to 25th May 2022. All the students of SE Biotechnology & Chemical engineering department have enrolled in the course. Title of add-on course was "**Analysis of Waste Water by Various Chemical and Biochemical Laboratory Methods".** 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.

Dr. G.K. Patnaik
Principal

Dr. V. R. Diware
Head of Biotechnology

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