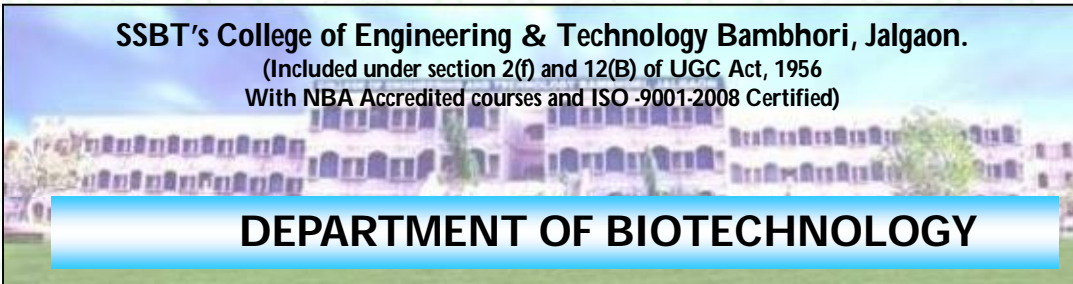




SSBT's College of Engineering & Technology Bambhori, Jalgaon.
(Included under section 2(f) and 12(B) of UGC Act, 1956)
With NBA Accredited courses and ISO -9001-2008 Certified)



DEPARTMENT OF BIOTECHNOLOGY

NEWS LETTER Volume I, Issue II

15/1/2013

BIONEERS



Smt. Pratibhatai Patil
Our Inspiration



Dr. Devisingh Shekhawat
Chairman



Shri. Raosaheb Shekhawat
Managing Trustee

ABOUT THE COLLEGE

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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. 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 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • Qualified and Experienced Faculty. • Research Activities. • Well Equipped Laboratories & Departmental Library . • Emphasis on Laboratory Practicals and Projects. | <ul style="list-style-type: none"> • Hands on training of ASPEN HYSYS Software. • Consultancy Services. • Good Results. • Students working on funded project. • Entrepreneurship Initiatives. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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 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. Department provides hands on training on ASPEN HYSYS and softwares related to Bioinformatics. The department is engaged in teaching and research in Biotechnology & related area.

DEPARTMENTAL EVENTS

Workshop on "ASPEN HYSYS"

ASPEN HYSYS workshop was organized on the 19th & 20th October 2012 for BE students of Biotechnology Engineering and Chemical Engineering. Dr. Makarand Rane General Manager, Biosynthetic Pvt.Ltd. inaugurated the workshop. He had an interaction with the students and guided on how to achieve their goal for a bright future in Engineering field. Dr. K.S.Wani, Principal; Dr. I. D. Patil, HOD Biotechnology Dept.; Dr. V.R. Diware, HOD Chemical Engg. and the staff and students of both the departments were present.



FRESHER'S FUNCTION

Fresher's function "MOHAR" and Teacher's day celebration was organized under BESA on the 5th Sep 2012. All the students from FE to BE were present at the function. On the occasion prizes were distributed to winners of Sketch competition, Essay competition, Debate competition and Toppers in the University examination from department fund sponsored by the Head Biotech Department to motivate the students.



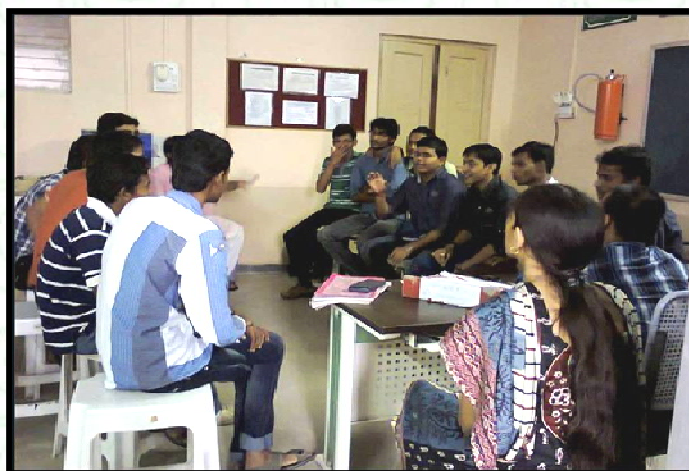


TEACHER'S DAY CELEBRATION

Teacher's Day is celebrated on 5th September every year to honor the teachers for their contribution made in their field of excellence. It is the birthday of Dr. **Sarvapalli Radhakrishnan**, who was a strong believer of education, Philosopher, President of India and above all a great teacher, who has received national and international recognition for his work.

DEBATE COMPETITION

Debate competition was conducted by the department on 11/8/2012 on the topic **“Is Education Programme in India Affecting Indians in Sports Achievement at International Level (Olympics)”**. All S.E to B.E. students were present for this event.



Mr. Jagdish Bennale during Session.



GUEST LECTURE

Dr. Jagdish Bennale, Director, JBN Enterprises, Pune delivered a Guest Lecture on **“Entrepreneurship and Bioreactor Design”** on the 6th September 2012. He guided about various aspects considered during reactor designing. He imparted knowledge on various modes of operations of fermentation and important criterias in designing a fermenter. He motivated students for opting Entrepreneurship as a carrier option. He shared his experience with the faculty members and students as an entrepreneur.



SKETCH COMPETITION

Sketch competition on the topic “**Classical & Modern Biotechnology**” was held on 21/7/2012 for enhancing the skills and creativity of the students. In this event S.E, T.E, B.E students had participated. The winners of the competition were:

1. **Lilesh H Pustode (S.E.)**
2. **Bhagyashree Magare (S.E.)**

ESSAY COMPETITION

Essay competition on the topic “**Advances in Biotechnology**” was held on 28/7/2012 for S.E,T.E, B.E students. The winners of the competition were :

1. **Shruti M. Ahuja (T.E.)**
2. **Monali Raut (B.E.)**

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 the College for all BE students during the 4th to 6th October 2012. On this occasion, the chief guest was Shri Anand Malhara. During this camp, experts from Industry, Academic, Government organization like DIC and Bank guided the students about various aspects of entrepreneurship. Total 150 students of the college participated in this activity. Dr. I.D.Patil H.O.D Biotech and coordinator of IEDC organised EAC and Mr. Sharanappa A. assisted him.



PARENT's MEET

Parent's meet was conducted by the department on 13th Oct. 2012. The function was inaugurated by parent's. Dr. I.D.Patil (HOD Biotech) briefed the parents about the departmental activities and performance. Shri Shantanu Vasishta, Director, T&P in his speech explained the importance of Teacher-Parent interaction. He also answered the queries on behalf of management and college and asked parents to closely watch the overall performance of their ward. On this occasion department Vision, Mission, Programme Educational Objectives (PEO's) and Programme Outcomes (PO's) of the department were discussed with parents. They were satisfied with vision, mission, PEO's and PO's formulated by the department.



PHOTO GALLERY



Dr.K.S.Wani
Principal



Prof. S.P.Shekhawat
Director of Academics



Dr. I.D.Patil
Head of Biotechnology

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