



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 II, IssueVII

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BIONEERS



Smt. Pratibhatai Patil
Our Inspiration



Dr. Devisingh Shekhawat
Chairman



Shri. Raosaheb Shekhawat
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.

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

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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"> • Hands on training of ASPEN HYSYS Software. • Consultancy services. • Good Result. • Entrepreneurship Initiatives. • Students working on funded project. |
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PROGRAMME EDUCATIONAL

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 software's related to Bioinformatics. The department is engaged in teaching and re-search in Biotechnology & related area.

DEPARTMENTAL EVENTS

“International Conference on Global Trends in Engineering, Technology and Management 2016”

The department has organized the international Technology and Management (ICGTEM) from January 04-06, 2016. The conference was graced with the keynote speech of Prof. Michael Timko (Professor of Biology, Director of the Echols Scholars Programme, University of Virginia, Charlottesville).

Session Chairs:

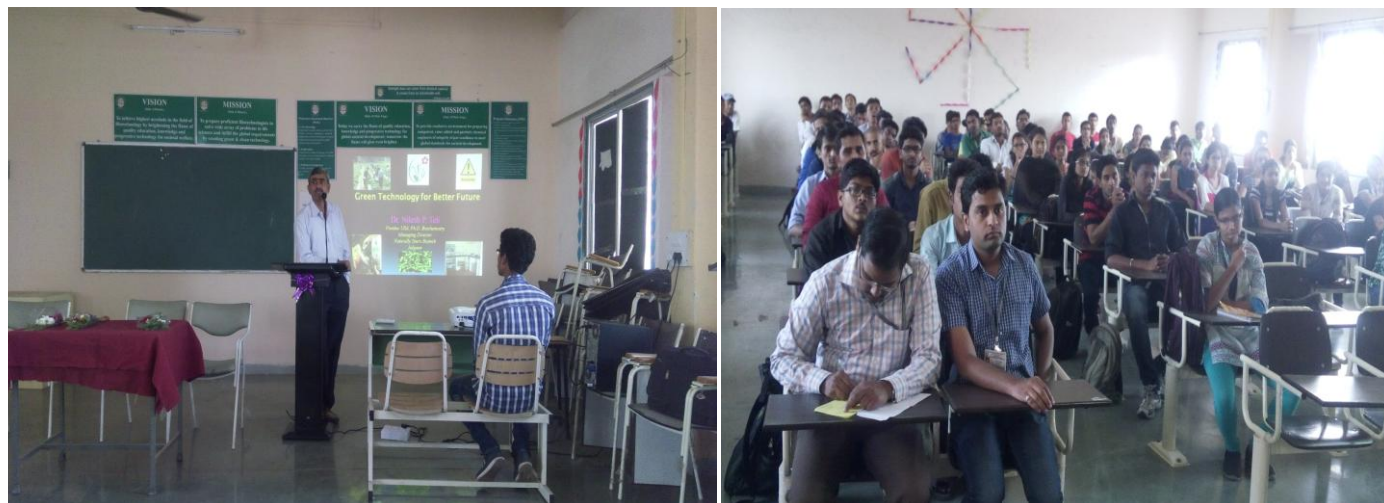
- Dr. B.B. Idage, Scientist, Polymer Science & Engineering Division, National Chemical Laboratory, Pune.
- Prof. S. Mishra, Professor & Head, Polymer & Plastics Technology, UICT, NMU, Jalgaon.
- Dr. Syed G. Dastager, Scientist, NCIM Resource Center, CSIR National Chemical Laboratory, Pune.
- Dr. C.G. Dethé, Director Academic Staff College, Nagpur, MS.
- Dr. Shashikant B. Thombre, Professor, Mechanical Engineering Department, VNIT, Nagpur.
- Dr. R. K. Saxena, Professor & Head, Electrical Engineering Department, Shri Govindram Sekearia Institute of Technology and Science (SGSITS), Indore, M.P.

**Total number of Papers presented: 173*

conference on Global Trends in Engineering,



GUEST LECTURES



- I. A Guest Lecture on **"Green Technology for better Tommorrow"** was delivered by **Dr. Nilesh Teli, Director, Naturally Your's Biotech, MIDC, Jalgaon**. The program was organized by Department of Biotechnology on 17th of February 2016. All the students of Biotechnology faculty attended the Lecture. The Lecture helped students to understand the application of Green technology for fulfilling need of tomorrow.
- II. A Guest Lecture on **"POLLUTION: Current and future Challenges"** was delivered by **Shir. Ulhas Patil, Director, ACME SUJAN Chemicals Pvt. Ltd, Jalgaon**. The program was organized by Department of Chemical Engineering on 21st of January 2016. All the students of Biotechnology and Chemical Engineering Department and faculty attended the Lecture.
- III. A Guest Lecture on **"Plant Tissue Culture Technology"** was delivered by **Shri. Pushkaraj K. Chaudhari, Managing Director, Ram Biotech, Jalgaon**. The program was organized by Department of Biotechnology on 1^{9th} March 2016. All the students of Biotechnology and Chemical Engineering Department and faculty members have attended the Lecture. The Lecture helped students to relate with the field of PTC, the techniques involved in practicing it.
- IV. A Guest Lecture on **" "** was delivered by **Mr. Gaurav Dhande, Head, Research and Development, Nirmal Seeds, Pachora**. The program was organized by Department of Biotechnology on 11th April 2016. All the students of Biotechnology Department and faculty members have attended the Lecture.
- V. A Guest Lecture on **"How to setup floor mill industries?"** was delivered by **Mr. Thara Husain, Director, BRR Food Industries, Purna**. The program was organized by Department of Chemical Engineering on 10th March 2016. All the students of Biotechnology and Chemical Engineering Department and faculty members have attended the Lecture.
- VI. A Guest Lecture on **"Guidelines for Entrepreneurship in Food and Software Industries"** was delivered by **Shri. Shripat Pawar, Director, Yippee Foods Pvt. Ltd., Jalgaon**. The program was organized by Department of Chemical Engineering on 10th March 2016. All the students of Biotechnology and Chemical Engineering Department and faculty have attended the Lecture.

STUDENT PARTICIPATED IN CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES



- I. Students have participated in “YUVARANG 2015”, A University Youth Festival from 7th to 10th, January 2015. The YUVARANG was organized with the joint efforts of the NMU, Jalgaon , Students Welfare Department and SSBT’s College of Engineering and Technology.
- II. Students have participated in Traditional day, Group Day, Chocolate day, Tie Day, Saree Day and Mismatch Day Competitions organized by the SSBT’s College of Engineering and Technology, Bambhori, Jalgaon.
- III. Students of the department have also participated in Cricket, Badminton, Kho-Kho, basket Ball, Table Tennis, Pool/Snooker organized by SSBT’s College of Engineering and Technology, Bambhori, Jalgaon, during Sports week.
- IV. The students have participated in “VASANT UTSAV 2016” organized by the SSBT’s College of Engineering and Technology, Bambhori, Jalgaon.

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 SSBT's, COET, Bambhori, Jalgaon. The Two days camp was organized for all BE students during 27th to 28th, February 2016. On the occasion chief guest was Shri. Anand Shetty, President, Talaja Industries Association, Talaja, Dist. Raigad. , Dr. D. C. Rajput, Director, Nirmal Seeds Pvt. Ltd., Pachora, Dist, Jalgaon. During the camp, experts from industry, academics, Government organizations guided the students about various aspects of entrepreneurship.

"SHODHPRAKALP PRATIYOGITA 2016"

The Department has organized "SHODHPRAKALP PRATIYOGITA 2013" University Level Project exhibition on 11th April, 2016 for all Final year Students. The project exhibition was judged by **Mr. Gaurav Dhande, Head, Research and Development, Nirmal Seeds, Pachora**. Total 23 students with 6 projects participated in the project exhibition. Sangeeta Singh, Diksha Mishra, Preeti Sonawane, Komal Patil has Presented project on topic " **Production, Purification & Characterization of Bacterial Xylanase using Spent Grains & Sugar Bagasse as**

Substrate" and secured first prize ; Mayur Patil, Tushar Sonawane, Sachin Ghule, Vishal Patil presented project under on topic " **Study on Fermentative Production and Purification of Amino Acids From Agricultural Waste**" secured second prize.



STUDENTS ACHIEVEMENT

Sr.No	Name of Students	Event Name	Venue	Achievement
SPORTS				
1	Shreya Patil	Table Tennis	SSBT's COET	1 st prize
2	Shreya Patil	Basket Ball	SSBT's COET	1 st prize
3	Shweta Batte	Basket Ball	SSBT's COET	1 st prize
4	Sangita Singh	Basket Ball	SSBT's COET	1 st prize
5	Diksha Mishra	Basket Ball	SSBT's COET	1 st prize



“CONGRATULATION”

MISS. SANGEETA SINGH (BE BIOTECHNOLOGY)

BEST OUTGOING STUDENT

YEAR: 2015-2016

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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