



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 I

15/7/2012

BIONEERS



Smt. Pratibhatai Patil
Our Inspiration



Dr. Devisingh Shekhawat
Chairman



Shri. Raosaheb Shekhawat
Managing Trustee

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.”

ABOUT THE COLLEGE

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| <ul style="list-style-type: none"> • Lush Green 25 Acre Campus. • Virtual Class Rooms & e-learning. • 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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SALIENT FEATURES OF DEPARTMENT

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| <ul style="list-style-type: none"> • Qualified and Experience Faculty. • Research Facilities. • 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 Academic Results. • Entrepreneurship Initiatives. |
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PROGRAMME EDUCATIONAL OBJECTIVES

I. Core Knowledge

To provide students 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.

DEPARTMENTAL EVENTS

Workshop on “ASPEN HYSYS”

Two days “ASPEN HYSYS” workshop was conducted on 1st and 2nd October 2011. Dr. Nilesh Teli, Director, Naturally Your's Biotech inaugurated the workshop. Final year Biotechnology Engineering and Chemical Engineering students participated in the workshop. Shri Sharanappa A. and Shri A. R. Lokhande co-ordinated the workshop. ASPEN HYSYS has been uniquely created with respect to program architecture, interface design, engineering capabilities, and interactive operation.



Mock Interview

Mock Interview was conducted under BESA. All the SE, TE, and BE students participated in the event. The interview was conducted to get the students acquainted with interview process. The students were guided and motivated by Prof. Vishal Rana, Head of Department, Master of Business Administration, SSBT's COET, Bambhori, Jalgaon. The event was coordinated by Shri Jayant P. and Ms. Sarika Pawar.

Guest Lecture by Dr. J. P. Tandale

Department had arranged a guest lecture by Dr. J.P.Tandale, Scientific Officer, Gharda Chemicals, Lote, Dist. Raigad, Maharashtra. on the topic “Chromatographic Separations for Bimolecular Basic Theory” on 6/08/2011. The aim of conducting the guest lecture was to make the student familiar with Chromatographic separation techniques used in different bioprocess industries.



Fresher's Function



Fresher's Function "**USHER**" was organized under BESA on 17th Sep 2011. All the students from FE to BE were present for the function. It was an introductory function for the new comers to get familiar with the culture of the institution. The juniors are introduced to their seniors to establish a friendly cum respectful relationship.

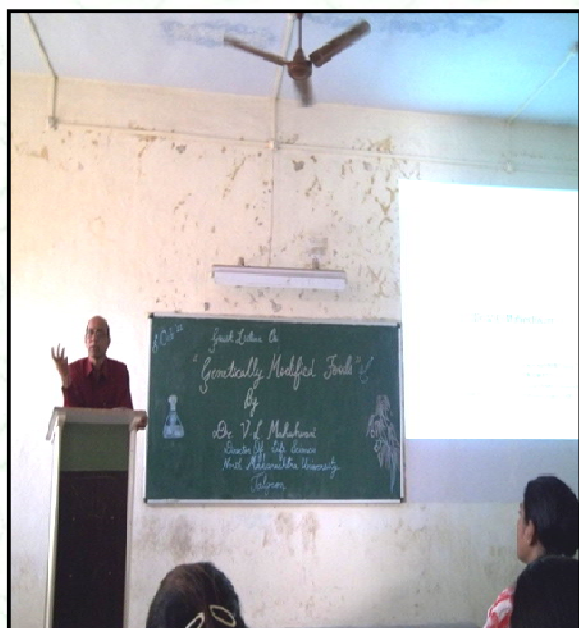
Guest Lecture

Guest lecture was organized on 25th Sep 2011. Dr. Nilesh Teli from "Naturally Yours" Biotech Industry Jalgaon, was invited to lend valuable information from his experiences to students. Dr. Nilesh Teli emphasized that the aim of an entrepreneur is to create employment for self and others and cited the following characteristics: initiative, risk management, responsibility, creativity, co-operative skills. He motivated the students to opt entrepreneurship as a carrier.



Expert Lecture

Expert lecture by Dr. V.L. Maheshwari (Director, School of Life Science, NMU, Jalgaon) was arranged on 8th Oct 2011 on the topic "*Genetically Modified Foods*" for all Biotechnology students. Dr. Maheshwari guided students on how to use the latest molecular biotechnological techniques to prepare genetically modified foods.



“TRANSCRIPTION 2K12”

“**Transcription 2K12**” – National level Conference on “Biotechnology Advances” Inauguration Ceremony –from left to right Prof.K.D.Sonawane, Associate Professor, Department of Biochemistry, Shivaji University, Kolhapur; Prof. Shantanu Vasishta, Director T & P; Prof.Sreeramulu, Professor, Department of Biochemistry, Gulbarga University; Shri.V.R.Phadnis, LMC Member; Prof. K. V. Venkatesh, Professor Chemical Engineering IIT Bombay; Prof. S.P.Shekhawat, Director Academics; Dr.I.D.Patil, HOD, Biotechnology. In insight Prof. K. V. Venkatesh.



“**Transcription 2K12**” A National level conference on “Biotechnology Advances” was conducted by the department of Biotechnology on 16th March 2012. Total 23 papers and 12 posters were presented. The conference provided vibrant opportunities for research scientists, industry practitioners and students to share their research experience, ideas, and reviews of various aspects in biotechnology and related field. The invited Keynote speaker for the conference were **Prof. K.V. Venkatesh**, gave his insights on the topic “**Systems Biology : Linking Genotype to Phenotype**”; **Prof. Dr. K. Sreeramulu**, guided on the topic “**Microbial Proteases / Keratinases from industrial view point**” and **Prof. Dr. Kailas D Sonawane**, Spoke on the topic “**Bioinformatics: Future of Life Science Subjects**”.



“GHE BHARARI”

It is our social responsibility to take care for of the community. Under BESA activity Department had organized a social programme **“Ghe Bharari”** for orphan students of Lilai Orphan School, Shiv Colony, Jalgaon on 1st April 2012. At the program, note Books, Motivational Books, Alphabets Charts, globe and prizes to toppers were distributed from the funds collected from the students and faculty of the department. On the occasion a speech by Mr. Sandeep Patil (MPSC – 13th rank in PSI Examination) was arranged to motivate the orphan students for higher education. Around 50 orphan students were present.

Sketch Competition

Sketch competition was held on topic “Biotechnological Approach in Environmental Science” for enhancing the skills and creativity of the students. All S.E, T.E and B.E students participated in the event. The winners of the competition were:

1. Krutika Suryawanshi. (B.E.)
2. Kavita Meena .(S.E.)

Debate Competition

Debate Competition was conducted for S.E., T.E., B.E., Biotechnology student’s on the topic **“Will Prime Minister and judiciary be included in the ambit of Lokpal bill”** on 27/08/2011. All S.E, T.E and B.E students participated in the event. The winners of the competition were:

1. Nisha Krishnan. (T.E.)
2. Swapnil Tayade. (S.E.)

Project Exhibition

06 projects groups took part in the Institute level Project Exhibition “**Shodh Prakalp 2011-12**” held on 31st March 2012. Pramod B. Patil, Rutuja V. Deshmukh and Payal Patil secured first prize and Manoj P. Kamble, Anjali P. Malav and Pritesh A. Chaudhari secured second prize in the Institute level Project Exhibition 2011-12 organized by COET, Bambhori, Jalgaon. The event was coordinated by Shri Sharanappa A.



On the same day all BE students visited to “**Naturally Your's Biotech**” industry. Dr. Nilesh Teli explained about the process of soil testing and effect of fertilizers, pesticides on the soil.

Industrial visit on 18 March 2012

Department of Biotechnology organized industrial visit for final year students on 18th March 2012 at the “**R. J. Food Products Industry**” MIDC Jalgaon. Mr. Alok Hemrajani introduced about the R. J. Food Products and also explained the process of production of Parle biscuit. All B.E students were guided by Mr. Sharanappa A. and Ms. Shruti Sakhare.



All BE students also visited to “**Deepak Food Industry**”.



“FAREWELL Function”

Farewell function to final year students was organized by the department on 7th April 2012. All Biotechnology students and Staff were present for the function. Final year Students shared their memories and experiences with the faculty and juniors.

STUDENTS ACHEIVEMENT

Name of student	Class	Position
Ms. Shubhra Singh	SE	Runner up for Miss COET
Prathamesh Anerao	FE	Personality contest
Digeshwar Rane	TE	Consolation prize in Technical Quiz Competition, Open House, organized by UDCT, NMU Jalgaon
Anshul Mahajan	SE	
Prabhakar Pujari	SE	

SPORTS

Name of Students	Class	Game	Level	Position
Shubhra Sharma	SE	Basket ball	Inter college	1 st
Kavita Meena	SE	Basket ball	Inter college	1 st
Krutika Suryawanshi	BE	Swimming	Zonal	3 rd
Anjali Malav	BE	Kho-Kho	Inter college	Runner up
Pramod Patil	BE	Kabaddi	Inter college	3 rd
Stephy Rangari	FE	Chess	Inter college	3 rd
Maled Sachin	BE	Hockey	Inter college	3 rd

PAPER PRESENTATION

Name of Students	Title of Paper	Name of Event	Position
Manoj P. Kamble, Anjali P. Malav Pritesh A. Chaudhari	“Effect Of Biofilm On Waste Water Treatment using bacterial activity of nitrogen doped metal oxide Nanoparticles”	“Transcription2K12”	2 nd
Payal Patil Pramod B. Patil Rutuja V. Deshmukh	“Bioprocessing Of Algae Waste Collected From Local Bodies Of Jalgaon District For Valuable Products By SSF.”	“Transcription2K12”	3 rd
Krutika Suryawanshi	“Biometrics Used In Human Identification”.	“Milestone 2k12”	3 rd

List of Toppers

FINAL YEAR BIOTECHNOLOGY



Pritesh Chaudhari
(First Topper 72.07%)



Pramod Patil
(Second Topper 70.66 %)



Bidisha Das
(Third Topper 68.73 %)

THIRD YEAR BIOTECHNOLOGY



Anupriya Baghele
(First Topper 77.4%)



Mayur Saindane
(Second Topper 66.6%)



Shabnambano Shaikh
(Third Topper 64.9 %)

SECOND YEAR BIOTECHNOLOGY



Shruti Ahuja
(First Topper 82.6%)



Vaibhav Lendekar
(Second Topper 66.33%)



Shubhra Sharma
(Third Topper 65.5%)

Faculty Participation

PUBLICATION IN INTERNATIONAL JOURNAL

- **Sharanappa A.**, Dr.K.S.Wani and Pallavi Patil (2011) "Bioprocessing of Food Industrial Waste for α - Amylase production by Solid State Fermentation" International journal of Advanced Biotechnology and research, ISSN 0976-2612, Vol 2, Issue 4, pp 473-480.
- **Dr.I.D.Patil** and Y.S.Patil "Synthesis and Characterization of Nano Poly Acrylic Acids" Bionano Frontier, ISSN No. 0974-0678, Special Edition, 2011.

PUBLICATION IN NATIONAL CONFERENCES

- **I.D.Patil & Jayant P.Parpalliwar** "Production of Metal Nano Particles by Microbial Fermentation" in "TRANSCRIPTION2K12" National Level Conference on "Biotechnology Advances" on 16th March 2012 at SSBT's COET, Bambhori, Jalgaon.
- **Sharanappa A., Dr.K.S.Wani & Dr.I.D.Patil** (2012). "Bioprocessing of Food Industrial, Agricultural and Vegetable for value added products by Solid State Fermentation" at "Transcription2K12" National Level conference on "Biotechnology Advances" 16th March 2012 at SSBT's COET, Bambhori, Jalgaon.
- **Jayant P.Parpalliwar** and **Ms. Ashwini P. Jatkar** Presented paper on "Analysis of Bioactive Secondary Metabolites from Magnetotactic Bacteria Isolated from Marine Environment." In National Level Conference on Biotechnology Advances (Transcription 2K12) on 16th March 2012.
- **Sarika S. Pawar & Shantanu Pawar** "Rootzone Technology for waste Water Treatment " in "TRANSCRIPTION2K12" National Level Conference on "Biotechnology Advances" on 16th March 2012 at SSBT's COET, Bambhori, Jalgaon.

CONFERENCES / SEMINARS/ WORKSHOPS ATTENDED

- **Dr.I.D.Patil** participated in one day workshop on "Syllabus Structure Framing for Faculty of Engineering and Technology, NMU, Jalgaon" at R.C.Patel Institute of Technology, Shirpur. on 11/02/2012.
- **Sharanappa A.** attended three days National Level workshop on Research methodology organized by SSBT's COET, Bambhori, Jalgaon on 17th -19th Oct 2011.
- **Sharanappa A.** attended two days National workshop on Mat lab Applications organized by SSBT's COET, Bambhori, Jalgaon on 5th and 6th March 2011.
- **Sharanappa A.** attended training course in ASPEN HYSYS - Process Modeling & Simulation organized by Aspen Tech, Pune at New Delhi on 05th Sep 2011.
- **Mrs. Sarika Pawar** attended three days National Level workshop on Research methodology organized by SSBT's COET, Bambhori, Jalgaon on 17th -19th Oct 2011.

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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