



SSBT's College of Engineering & Technology, Bambhori, Jalgaon.

(Included under section 2 (f) and 12(B) of the UGC Act, 1956

ISO-9001-2008 Certified)

Department of Chemical Engineering

MOMENTUM

News Letter Vol. No.09, Jan 2016– June 2016

VISION

Today we carry the flame of quality education, knowledge and progressive technology for global societal development; tomorrow the flame will glow even brighter.

MISSION

To provide conducive environment for preparing competent, value added and patriotic chemical engineers of integrity of par excellence to meet global standards for societal development.

Salient Features of Chemical Engineering Programme:

- ◆ Experienced, Qualified & Research Oriented Faculty
- ◆ Program Accredited Thrice by NBA
- ◆ Modern and Well Equipped Laboratories
- ◆ Excellent Results
- ◆ Research Facilities
- ◆ Departmental Library with Internet Facility
- ◆ Long Tradition of Gold Medalist in University Exams
- ◆ ASPEN HYSYS Software
- ◆ Consultancy for Chemical Engineering & Allied Processes
- ◆ Teacher Guardian Scheme
- ◆ Excellent Self-Study Material



Cricket Team (Winner, Annual Sports, 2015-16)

Objectives of the Institution

- ◆ To impart innovative teaching and learning
- ◆ To provide quality education with futuristic trends in engineering and technology
- ◆ To develop the institute as a research center for academic excellence
- ◆ To ensure continual improvement in quality management system
- ◆ To inculcate social values, patriotism and professional ethics among the students

Program Educational Objectives (PEO's) of Chemical Engineering Department

1. Core Knowledge

To provide the quality education in the field of basic sciences, mathematics, chemical engineering and allied technologies to pursue higher education and research for global socio-economic development.

2. Employment

To motivate the students for gaining value added knowledge and real world exposure by industrial training, visits and workshops.

3. Professional Competency

To build a chemical engineer of integrity and par excellence with professional and ethical values.

Program Outcomes (PO's) of Chemical Engineering Department

- ◆ An ability to execute knowledge of basic science, mathematics and engineering.
- ◆ An ability to display the research by designing, conducting, interpreting and analyzing experimental data for preparing reports.
- ◆ An ability to demonstrate the caliber of product designing according to the standards.
- ◆ An understanding to demonstrate the ability to perform the task with multidisciplinary teams.
- ◆ An ability to identify, formulate, design and provide the solution to various chemical engineering problems.
- ◆ An ability to demonstrate the understanding of professional and ethical responsibilities.
- ◆ An ability to communicate formally and informally.
- ◆ An ability of designing the product to meet economical and societal requirements.
- ◆ A commitment to reveal self education, social values by providing the services to society through lifelong learning.
- ◆ An ability to understand the environmental issues and to provide solutions for green and clean technologies.
- ◆ An ability to demonstrate the computational skills using engineering software.

Industrial Interaction

SSBT's COET realizes the importance of giving additional inputs to the students in the form of expert lectures in addition to academic knowledge being imparted during class room lectures. The department regularly arranges lectures of eminent personalities from academics & from industry, to impart additional knowledge of a various topics. An Expert lecture of Shri Ulhas Patil ,Director, Acme Sujan Chemicals Pvt. Ltd. Jalgaon was organized on Jan.23,2016 on the topic "Pollution: Current and Future Challenges". During his lecture he awared the students regarding types of pollution, hazards and the possible measures required to minimize and prevention of them. Faculty & students of Chemical, Biotechnology and Civil engineering attended the lecture.



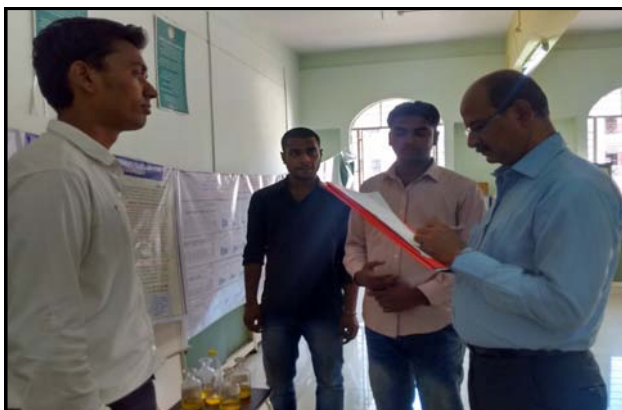
Alumni Guest Lecture

An expert lectures of departmental alumni provides a forum for the alumni for exchanging ideas on academic , industrial, corporate & technical issues of diversified disciplines. It also provides an opportunity to the students of the institute to interact with the alumni working at top management level in the corporate world. With the same intention an lecture of Mr.Shripat Pawar, Director, Yippee Food Pvt. Ltd. Jalgaon on the topic "Guideline for Entrepreneurship in Food and Software Industry" and Mr.Thara Hunain, Director, BRR Food Industries, Purna on the topic "How to setup Floor Mill Industries?" was organized on March,11,2016. They also shared experiences with the audience of their stay as a student in SSBT campus. Students of the department interacted with them and shown keen interest in the setting up an enterprise after their education.



Shodhprakalp Pratiyogita (2015-16)

For motivating students for research, Project Exhibition “SHODHPRAKALP PRATIYOGITA-2016” was organized by Innovation and Entrepreneurship Development Centre (IEDC) of the college on 11/04/2016. The objective, importance & usefulness of the project work was judged by Shri.S.B.Wani, from Merico Industries Limited, M.I.D.C., Jalgaon. In SHODHPRAKALP-2016, seven project groups of B.E. Chemical Engineering students participated with experimental setup, power point presentations and charts. They had been evaluated on different parameters by the judge. First prize of Rs.1,500/- was awarded to Miss.Priyanka Londhe, Miss.Ashwini Pajai & Miss Pratiksha Gaikwad (Group) for their project entitled “Preparation of Nanocatalyst & its Application” . The project was carried out under the guidance of Dr.V.R.Diware. Second prize of Rs. 1,000/- was awarded to Pritam Pandit, Milind Shimpi, Mohit Behere & Faizal Ansari (Group) for their project entitled “Degradation of Industrial Waste Water by Advanced Oxidation Process”. The project was carried out under the guidance of Dr.A.R.Lokhande. The event was coordinated by Shri.N.Y.Ghare.



Gold Medalist of Chemical Engineering Department



Miss. Bhgyashree Khetre (2014-15)

Miss. Anagha Kawale (2013-14)



Parents Meet

Parents Meet is the platform where parents and teachers understand each other well and hence be together for providing better educational exposure to the students. When both teachers and parents are clear about their aims of education, exchange of ideas can take place. This will enable parents and teachers to come closer and work together for the overall development of the students. With the same intention the Parents' Meet-2016 was organized on March 06, 2016 at institute level. During the meet Students are felicitated for their performance in academics and sports along with their parents. Parents of the Chemical Engineering students visited the department, laboratories, library & expressed satisfaction for the infrastructural & laboratory facilities available to their ward.



Guest Visited the Department

Dr.K.V.Koranne, Rtd.Prof., LIT, Nagpur visited the department and interacted with the faculty & staff of the department. He also visited laboratories of the department & expressed his satisfaction for the facilities provided by the institute and the department for the overall development of the students.



Prof.Sharad Bhartiya, IIT, Bombay visited the department and interacted with the faculty & staff of the department. He also visited laboratories of the department & expressed his satisfaction for the facilities provided by the institute and the department for the overall development of the students. He also give valuable suggestions for the development of the program.



Students Placements (2015-16)

Sr.No.	Name of the Company	Date	Package Offered	No. of Students Placed
1	Acme Sujan Chemicals Pvt. Ltd., Jalgaon	23.01.2016	1.2 Lac	2
2	Uniklinger Limited, Pune	01.02.2016	1.5 lac	5
3	Nitika Pharmaceutical Specialities Pvt. Ltd.	07.04.2016	0.9 Lac	1
4	Vega Chemicals Pvt. Ltd., Jalgaon	23.04.2016	0.84 Lac	4
5	Macleods Pharmaceuticals Ltd., Sarigm	25.04.2016	1.56 Lac	7
			TOTAL	19



Ajay Randhe



Faisal Ansari



Kiran Rane



Pritam Pandit



Saurabh Vispute



Vilas Shirsath



Sarangdhar Gorade

एसएसबीटीच्या सात विद्यार्थ्यांची निवड

जळगाव । एसएसबीटी अभियांत्रिकी महाविद्यालयाच्या सात विद्यार्थ्यांची गुजरात येथील मॅकलॉइड फार्मा सारिगम या कंपनीत परिसर मुलाखतीतून निवड झाली आहे. निवड झालेले विद्यार्थी महाविद्यालयाच्या केमिकल विभागाच्या अंतिम वर्षातील आहेत. यात अजय रंधे, फैसल अन्सारी, किरण राणे, प्रीतम पंडित, सारंगधर गोराडे, सौरभ विसपुते आणि विलास सिरसाट यांचा समावेश आहे. कंपनीकडून भोजसिंग गिरासे व स्वाती देसाई यांनी मुलाखती घेतल्या.

एस.एस.बी.टी.च्या विद्यार्थ्यांची निवड

जळगाव- एस.एस.बी.टी. कॉलेज ऑफ इंजिनिअरिंग अँड टेक्नॉलॉजीच्या अंतिम वर्षातील दोन विद्यार्थ्यांची अॅक्मे सुजान प्रा.लि. या कंपनीत निवड झाली आहे. कंपनीचे चेअरमन उल्हास पाटील यांनी ही निवड केली. दोघा विद्यार्थ्यांचे प्राचार्य डॉ.के.एस.वाणी, यांनी कौतुक केले आहे.



Career in Engineering Education Seminars conducted by Faculty

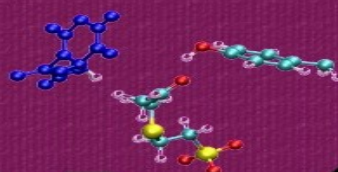
<i>Date</i>	<i>Venue</i>	<i>Faculty</i>
Jan 06,2016	Sane Guruji Madhyamic Vidyalaya, Borawal Gate, Yawal, Dist: Jalgaon	Dr.V.R.Diware N.Y.Ghare
April 26,2016	“MAHENDRA'S CHEMISTRY” Classes at Jamner, Dist: Jalgaon	Dr.S.A.Thakur Dr. A.R.Lokhande V.P.Sangore



Chemical Engineering...

The work of CHEMICAL engineers combines the skills of both the chemist and the engineer.

They design, and build facilities involved in the production of chemical products... drugs, paints, dyes, industrial supplies (acids, lyes, dangerous chemicals), fertilizers, solvents, fuels, etc...



What is Chemical Engineering ?

Profession which applies knowledge of basic sciences (Phy, Chem, math) for bulk scale production of useful products from raw material by keeping in view economics and environmental constraints.

Oil & Gas, air,
water, mineral,
metals



Food, Fuel,
Clothes,
Plastic, Fibers

The Roles and Responsibilities of Chemical Engineers

Chemical Engineers are considered to be "Universal Engineers." They use chemistry, physics, biology, microbiology, biochemistry and mathematics to design programs, machines and processes that turn raw materials into valuable products for human use and for use in the environment.

Chemical Engineers play a very important role in making modern society. Many Chemical Engineers design and operate large-scale and complex chemical production facilities to supplying diverse chemical products to society. In performing these functions, a Chemical Engineer will likely assume a number of roles during a career.

The Chemical Engineer is involved in raw materials extraction, intermediate materials processing, or production of pure chemical substances; in each activity, the minimization and management of waste stream will have important economic and environmental consequences.

Chemical Engineers are involved in the production of bulk and specialty chemicals, petrochemicals, integrated circuits, pulp and paper, consumer products, minerals, and pharmaceuticals.

Chemical Engineers also find employment in research, consulting organizations, and educational activities. The Engineer may perform functions such as process and production engineering, process design, process control, technical sales and marketing, community relations, and management. As Chemical Engineers assume such diverse roles, it is increasingly important that they should be aware of their responsibilities to the general public, colleagues and employers, the environment, and also to their profession.

One of the central role of Chemical Engineers is to design and operate chemical processes yielding chemical products that meet customer specifications and that are profitable, another important role is to maintain safe conditions for operating personnel and for residents in the immediate vicinity of a production facility.

Finally, chemical process designs need to be protective of the environment and of human health. Environmental issues must be considered not only within the context of chemical production but also during other stages of a chemical's life cycle, such as transportation, the use of chemicals by customers, recycling activities, and ultimate disposal.

Scope for Chemical Engineers in Various Industries & Organizations

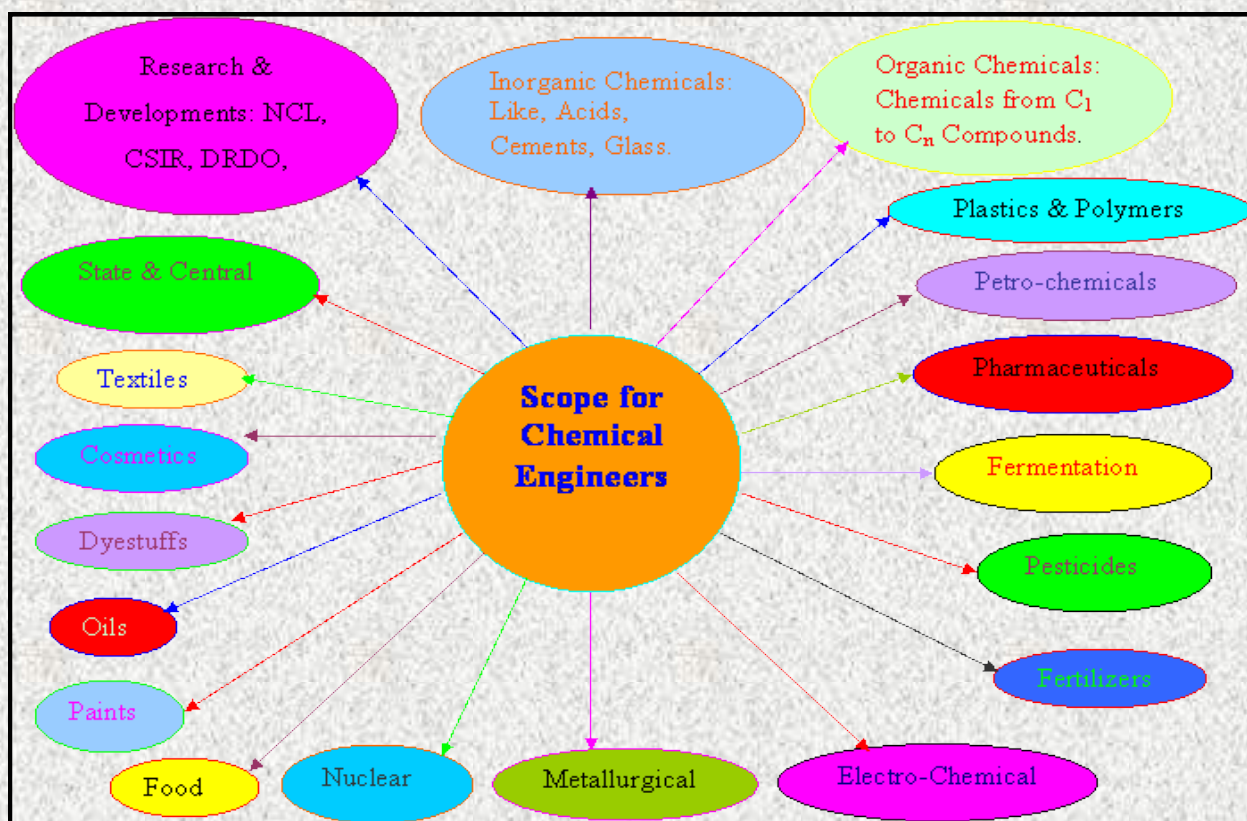


Photo Gallery



Dr.V.R.Diware
Head, Chemical Engineering



Dr.Sanjay P. Shekhawat
Director Academics



Prof. Dr. K. S. Wani
Principal

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