



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.06, July. 2014– Dec 2014

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 Twice 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



**Alumni meet Dec - 2014
Dept. of Chemical Engg.**

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.

ACCREDITATION

The Chemical Engineering under graduate program has got the NBA Accreditation third time for two years according to new Washington Accord by National Board of Accreditation (NBA) Committee constituted under AICTE, New Delhi with effect from 01/07/2014.

Washington Accord is an International Agreement among bodies responsible for accrediting undergraduate engineering degree programs. It recognizes the substantial equivalency of programs accredited by those bodies and recommends that graduates of programs accredited by any of the signatory bodies be recognized by the other bodies as having met the academic requirements for entry to the practice of engineering in the area of their jurisdiction. Earlier also the Chemical Engineering program Accredited for 3 Years in Feb.2005 & Re-Accredited for 5 Years in Aug.2008.

The NBA Committee members visited to the College & the Laboratories & Classrooms of Chemical Engineering Department & observed the facilities available to the students for their overall development.

Visit of Guest

Prof.R.B.Mankar, Vice Chancellor, Dr. Babasaheb Ambedkar Technological University, Lonere, Dist: Raigad visited the Laboratories of Chemical Engineering Department & expressed his satisfaction for the technological support & facilities provided to the students for their overall development.



Dr. A.R.Lokhande, has received Ph.D. (Chemical Engineering) degree on the topic “Studies of Alkanoalamides and Metallic Soap from Nontraditional Oils” , under the guidance of Dr. V.S.Patil, Professor, UICT, NMU, Jalgaon and Prof. Dr. K.S.Wani, Principal, SSBT’s COET, Jalgaon from North Maharashtra University, Jalgaon.



Shri. Yogendra D. Thakare joined as a Faculty in Chemical Engineering Department from July, 2014. He completed his B.E.Chemical Engineering in 2011 from COET, Bambhori, Jalgaon & M.Tech in Chemical Engineering from Bharati Vidyapeeth Deemed University, Pune in 2014

DEPARTMENTAL EVENTS

Essay Competition

Essay Competition for SE, TE & BE students was held on 02/08/2015 on the topic, **Remedies for improvement of Medal tallies of India in International Sports Events.** Sushila Pawade declared First & Maroti Jaybhaye declared Second prize for the competition.



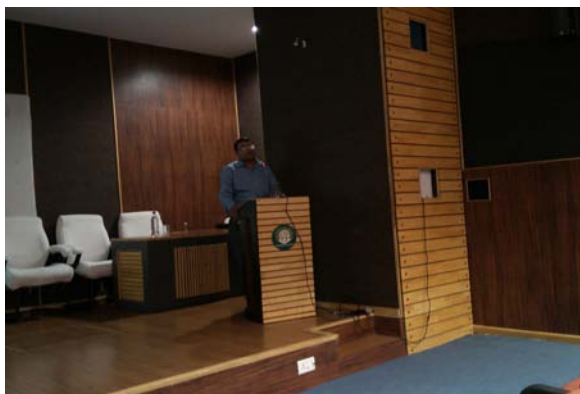
Sketch Competition

According to United Nations a disaster is a serious disruption of the functioning of a community or a society. To make aware about the issue a **Sketch Competition** for SE, TE & BE students was held on 09/08/15 on topic **Disaster Management.**



Expert Lecture

Expert Lecture of Shri.Bhushan Patil, Production Executive, Wockhardt Ltd. Aurangabad, was held on 01/09/2014 on the topic **Career opportunities in Chemical Industries.** During his speech he provided updated knowledge about the career opportunities available to fresh chemical engineers in chemical process industries & the qualities required in students to grab these opportunities.



Teacher's Day

Teacher's day was celebrated on 5th September, 2014. The program started with Saraswati Poojan followed by garlanding photo of Dr. Sarvapalli Radhakrishnan. Teachers were felicitated by students. Speeches were delivered by students, as well as teachers.



Engineer's Day

Engineers Day was observed on 15th September, 2014. Ms. Sushila Pawade briefed the audience about the life sketch of Sir M. Visvesvaraya & the contribution of Sir M. Visvesvaraya in the development of modern India.



Fresher's Welcome "FLORENCE 2K14"

Fresher's Welcome "FLORENCE 2K14" was organized by Chemical Engineering Students Association (ChESA) on 20th September, 2015. The programme started with Saraswati Poojan. Fresher's introduced themselves to the audience and participated in different games & activities. The fresher's were given warm welcome by the students & the staff of the department giving memento as token of love. Mr. Pankaj Pachpande selected Mr. Fresher & Miss. Swati Mali selected as Miss. Fresher.



Orientation Program for F.E. Chemical Students

To make conversant First Year Chemical Engineering with the department an Orientation Program was arranged in the Computer Lab of the department. Dr. V.R.Diware, H.O.D through his power point presentation aware the students about the Chemical Engineering program, departmental library & laboratories facilities available in the department for research work. After the presentation students visited the laboratories where faculty members shri. V.P.Sangore & N.Y.Ghare acquainted the students about the equipments & the experiments carried out on them.



Ozone Day



Cleaning Drive



Tree Plantation at Sau.Ratnabhabhi Jain High School, Jalgaon



Alumni Meet at Ankleshwar

Alumni Meet of Chemical Engineering Department was held at VITS SHALIMAR, Ankleshwar, (Gujrat) on Dec.14,2014. Four representative from the institute Dr.K.S.Wani (Principal), Dr.V.R.Diware (HOD), Dr.S.A.Thakur (Coordinator),Shri.V.P.Sangore (Member Alumni Committee) attended the Alumni Meet, and 45 Alumni were registered for the meet. Dr.S.A.Thakur delivered a preface speech and urged Alumni to boost Alumni-Department-Institute interaction. Dr.V.R.Diware presented the Departmental Progress . Principal Dr.K.S.Wani in his Presidential Speech informed the alumni about advancements & future plans of the institute and Shri.V.P.Sangore invited the Alumni to visit the institute & offered vote of thanks.

During the interaction with the Alumni give suggestions about Clean Up program, Environmental Audit, Safety Audit & Courses, Corporate Sponsorship, Departmental Brochure & Publicity & to Start Alumni Chapter at Ankleshwar.

On behalf of Alumni, Mr.Rajesh Dhabale congratulated the Department & Institute for the Overall Development and offered sincere thanks to Managing Trustee Shri.Raosaheb Shekhawat for permitting to organize tha Alumni Meet outside the Campus & requested to further arrange this Event in succession at the other places especially in Chemical Industrial Zone.



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

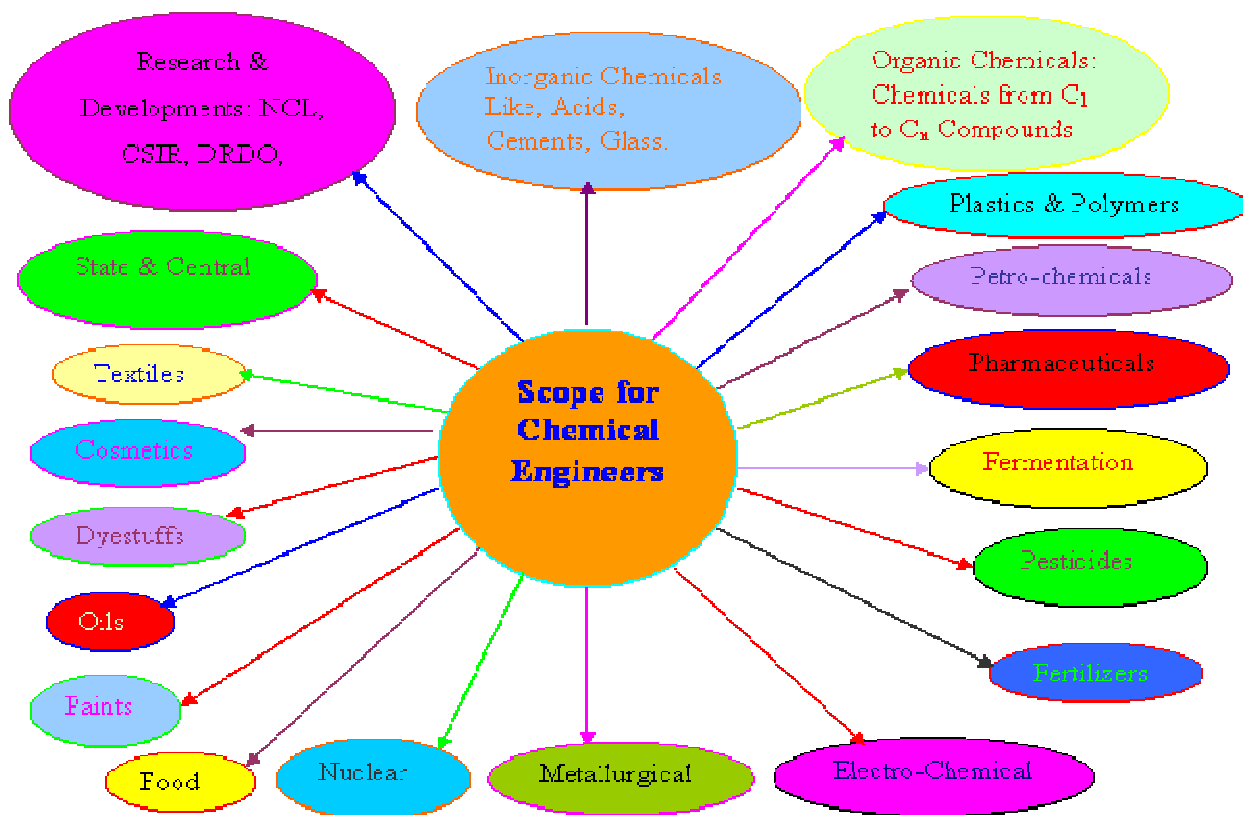


Photo Gallery



Dr. V.R. Diware
Head, Chemical Engineering



Dr. Sanjay P. Shekhawat
Director Academics



Prof. Dr. K. S. Wani
Principal

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