SSBT's College of Engineering & Technology, Bambhori, Jalgaon
(Included under section 2 (f) and 12(B)of the UGC Act, 1956)
Grade B ++ (2.91) NAAC Accredited
Department of Chemical Engineering

MOMENTUM

News Letter Vol. No.XIV, July 2018– Dec 2018

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

Industrial Visit 2018-2019

Programme Educational Objectives (PEOs) 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 socioeconomic 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.

Programme Outcomes (POs) of Chemical Engineering Department

PO1 Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2 Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4 Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11 Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12 Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Programme Specific Outcomes (PSOs) of Chemical Engineering Department

PSO1 How are you able to apply basic principles of science, mathematics and chemical engineering skills in interpreting and analyzing experimental data for societal development?
PSO2 How are you able to design and provide solutions to problems in the development of chemical and allied industries?
PSO3 How are you able to display multidisciplinary approach for providing techno-economical and eco-friendly solutions?

Add on Courses /Events / Expert Lectures etc. Organized by Department

DATE	EVENT NAME	EVENT DESCRIPTION
21/07/2018	Expert lecture	Dr.Sanjal L Bhagat, Professor in Chemical Engineering Department, Padmabhooshan Vasanraodada Patil Institute of Technology, Sangli delivered expert lecture on "Green Technology".
04/08/2018	Orientation Program	Orientation Program conducted for First Year Chemical Engineering Students, admitted in Academic Year 2018-19
11/08/2018	Expert lecture	Shri Akshay S Dhake , Director Ganga Inks, MIDC Jalgaon delivered expert lecture on "Role of Chemical Engineering in Paint and Allied Industries".
11/08/2018	Expert lecture	Shri Pankaj V. Pachpande, Shift Engineer, Gujrat Ambuja Exports Ltd, Chalisgaon, Dist.Jalgaon delivered expert lecture on "Present Scenario in Chemical Industry".
24/09/2018	Teachers Day	Teachers Day Celebration
24/09/2018	Tree Plantation	Tree Plantation at COET Campus
25/09/2018	Fresher's Welcome	Welcome for F.E. Students and Direct Second Year Students admitted in A.Y. 2018-19
28/08/2018 To 31/08/2018	Add on Course	Shri. V.P.Sangore and Miss R.P.Bari conducted add on course entitled "Instrumental Analysis and Techniques in Chemical Engineering" for S.E. Chemical Students.
28/08/2018 To 31/08/2018	Add on Course	Dr.V.R.Diware and Dr.S.A.Thakur conducted add on course entitled "Industrial Hazards" for T.E.Chemical Engineering Students
28/08/2018 To 31/08/2018	Add on Course	Dr.N.Y.Ghare and Shri. R.S.Rane conducted add on course entitled "Process Design In Chemical Engineering" for B.E.Chemical Engineering Students
29/09/2018	Workshop	Mr..D.C. Gokhale and Mrs R.D. Gokhale, Directors, GATI, Jalgaon conducted workshop on "Employability Skills" for B.E.Chemical Students

List of Top Ten Students (College Level and University Level)

B.E. Chemical Engineering Results (Academic Year 2018-19 , SEM-VII)

Merit No.	Name of the Student	CGPA
1	Yelne Mayuri Vijayrao	8.83
2	Koli Bhavana Bharat	8.29
3	Chavan Jivan Suresh	8.20
4	Shrikhande Prathamesh Prabhakar	8.03
5	Bhavsar Pranita Rajendra	7.80
6	Chalase Raj Dhananjay	7.78
7	Sonone Vinod Bhanudas	7.74
8	Bendale Mahendra Ravindra	7.57
9	Patil Mayuri Yogesh	7.56
10	Chouhan Kajal Ashok	7.54

T.E. Chemical Engineering Top Ten Students (Academic Year 2018-19, SEM-V)

Merit No.	Name of the Student	CGPA
1	Baldi Gaurav Girdhari	8.26
2	Mahajan Deven Sanjay	8.14
3	Bombatkar shantanu Gajanan	7.83
4	Wani Arundhati Pramod	7.78
	Khobragade Sanket Jagdish	7.78
5	Ramteke Sahil Dnyaneshwar	7.72
	Patil Akash Ajay	7.72
6	Kawale Komal Prakash	7.64
7	Patil Shubham Rajendra	7.50
8	Patil Nitin Vikas	7.49
9	Bhadane Ajay Prabhakar	7.45
10	Chaudhari Shama Sharad	7.38

S.E. Chemical Engineering Top Ten Students (Academic Year 2018-19, SEM III)

Merit No.	Name of the Student	CGPA
1	Patil Harshal Sunil	8.72
2	Baniya Sakshi Sadhashiv	8.65
3	Chankapure Abhishek Shyamdeo	8.40
4	Shaikh Iram Javed	8.30
5	Patil Vaibhav Ravindra	8.29
6	Kale Ajay Anil	8.26
7	Bharambe Prajkta Dilip	8.12
8	Tejane Roshan Pandurangji	7.74
	Shastri Nimish Nitin	7.74
9	Jadhav Prajakta Kishor	7.72
10	Sharma Arati Sanjay	7.44

INDUSTRIAL VISIT

Industrial visit has its own importance in a career of a student who is pursuing a professional degree in Chemical Engineering. Objectives of an industrial visit is to provide students an insight regarding internal functioning of chemical plants. It provides students with an opportunity to learn practically through interaction with the technical man force, working methods and industrial environments.

It also gives them exposure to current work practices carried out in chemical industries. Industrial visits are arranged regularly for final year students with an objective to combine theoretical knowledge with industrial knowledge.

This year also Industrial Visit for final year students of Chemical Engineering Department was conducted on Oct.10, 2018. Final year students visited Plant No.1, 2 and 3 of Jain Irrigation System Limited, bambhori, Jalgaon along with Dr. S.A.Thakur & & Dr. N.Y.Ghare as accompanying faculty.

In Plant No.1 , PVC Pipes plant students gained knowledge about the production of PVC pipes of various grades, diameters and with features, specifications and applications. In Plant No.2 Drip Irrigation plant, students minutely observed manufacturing of Jain hose & tubes from virgin special grade polyethylene.

In Plant No.3, Filtration Plant, students observed types of water filters and their importance about protection of micro irrigation system from clogging. The students also interacted with the production line supervisors, supporting staff and gained practical knowledge about standard operating procedures, responsibilities on technical man force and industrial environment.

FRESHERS WELCOME






Career Counseling Seminars Conducted by the Department

Faculty members of Chemical Engineering Department conducted Career Counseling Seminar to aware the students about the Engineering Education & Career Opportunities at following places of the region.

YEAR	DATE	PLACE
2018-19	Nov. 22,2018	Vibrant Academy , Jamner, Dist: Jalgaon
	Nov. 22,2018	Narayana Academy, Jamner, Dist: Jalgaon
	Nov. 22,2018	Vision Classes , Jamner, Dist: Jalgaon
	Nov. 29,2018	Gramvikas Vidyalaya & Jr. College, Pimpalgaon Hareshwar , Tal: Pachora, Dist: Jalgaon
	Nov. 29,2018	Zerwal Academy, Pachora,Dist: Jalgaon
	Nov. 30,2018	Ali Coaching Classes, Karanja Lad, Dist: Amravati
	Dec . 01,2018	Vidyabharati Jr. College, Karanja Lad, Dist: Amravati
	Dec. 08 ,2018	Sharda Coaching Class, Chopada, Dist: Jalgaon
	Dec. 08 ,2018	Pratap Vidyamandir, Chopda, Dist: Jalgaon
	Dec. 20 ,2018	A.Y.K.K's Arts, Commerce, Sc. Jr College, Dhule
	Dec. 20 ,2018	Satpuda Vidyalaya & Jr. College , Dhule
	Dec. 20 ,2018	Jawaharlal Nehru Arts ,Science and Commerce Junior College ,Boradi, Tah. Shirpur, Dist:Dhule
	Dec. 21,2018	Saraswati Classes, Satana, Dist: Nasik
	Dec. 21,2018	Yash Classses, Satana, Dist: Nasik
	Dec. 21,2018	Blossoms Jr.College, Satana, Dist: Nasik
	Dec 22,2018	MGV's Samajshri Prashantdada Hiray Arts, Commerce and Science College, Nampur, Dist: Nasik
	Jan 04,2019	S.G.Patil Arts, Comm & Sci. College, Sakri
	Jan 04,2019	Anudanit Sec. & Higher Sec. Art & Sci. Ashramsha-la ,Indave

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.

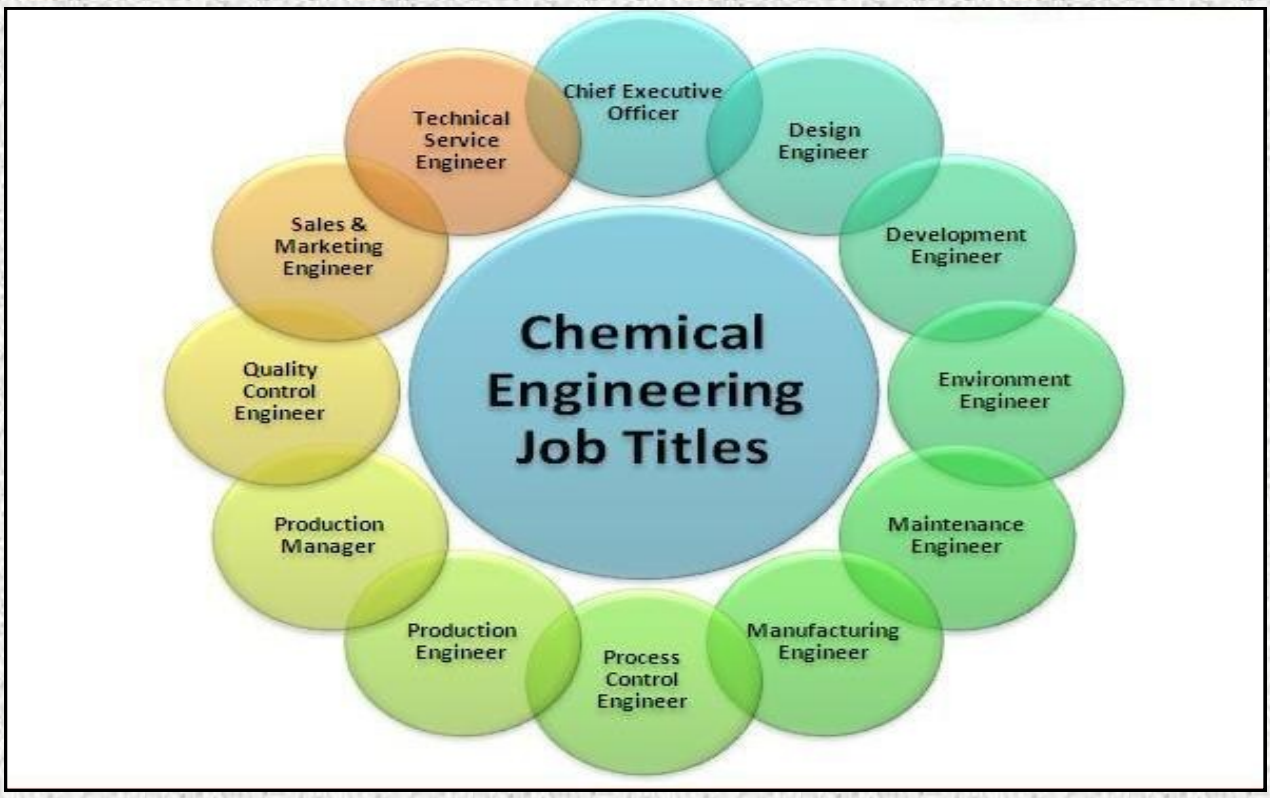
Chemical Engineers play a very important role in making modern society. Many Chemical Engineers design and operate large-scale and complex chemical production facilities to supplying diverse chemical products to society. In performing these functions, a Chemical Engineer will likely assume a number of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

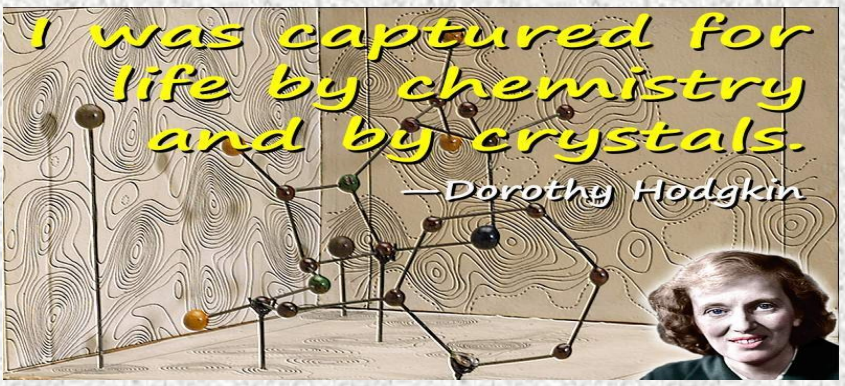
Chemical Engineers are involved in the production of bulk and specialty chemicals, petrochemicals, integrated circuits, pulp and paper, consumer products, minerals, and pharmaceuticals.

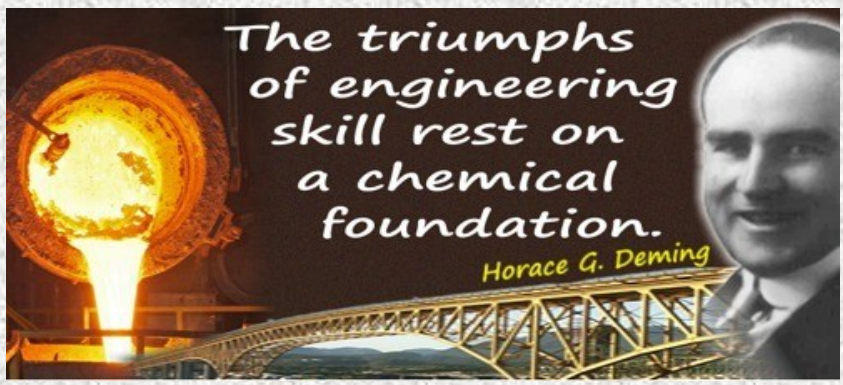
Chemical Engineers also find employment in research, consulting organizations, and educational activities. The Engineer may perform functions such as process and production engineering, process design, process control, technical sales and marketing, community relations, and management. As Chemical Engineers 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.







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