

## **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

# **MOMENTUM**

*Chemical Engineering News Letter Vol. No. XVIII July – Dec 2020*

## **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*

## 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?

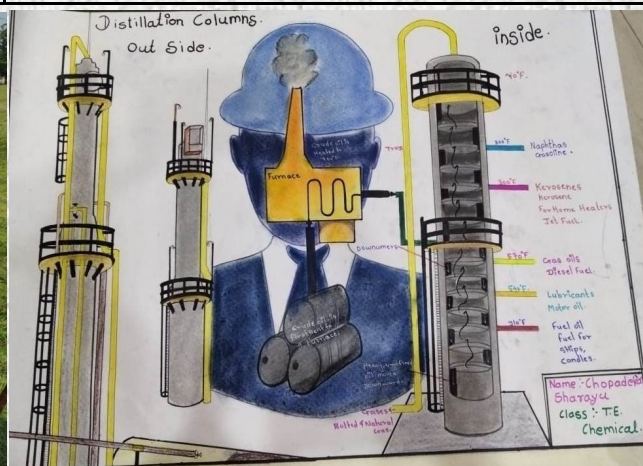
**PSO2** How are you able to design and provide solutions to problems in the development of chemical and allied industries?

**PSO3** How are you able to display multidisciplinary approach for providing techno-economical and eco-friendly solutions?



### Events Organized by Department

DATE	EVENT NAME	EVENT DESCRIPTION
02/10/2020	Tree Plantation	Under Social Entrepreneurship, Swachhta and Rural Engagement Cell (SESREC), tree plantation activity was conducted on Oct.02, 2020 at 11:00 am in college campus. During this activity various types of environment friendly trees were planted in the college campus. The event coordinated by Chemical Engineering Department.
03/10/2020	Technical Drawing and Coloring Competition (Online)	Chemical Engineering Students Association (CHESA) organized Technical Drawing and Colouring Competition on topic "Distillation Columns" for SE, TE and BE Chemical Engineering students.



### B.E. Chemical Engineering Results (Academic Year 2019-20)

Merit No.	Name of the Student	CGPA
1	Baldi Gaurav Girdhari	8.59
2	Mahajan Devendra Sanjay	8.51
3	Patil Akash Ajay	8.22
4	Khobragade Sanket Jagdish	8.17
5	Ramteke Sahil Dnyaneshwar	8.14
	Wani Arundhati Pramod	
6	Bombatkar Shantanu Gajanan	8.11
7	Dhangar Jitendra Shantaram	8.05
8	Patil Shubham Rajendra	8.04
9	Sahu Shrutika Sunil	8.03
10	Bhadane Ajay Prabhakar	7.93



**Chemical Engineering Department Placements, Academic Year 2019-20**



Akash Patil  
Gujarat Ambuja Exports  
Ltd.



Anand Pol  
Gujarat Ambuja Exports  
Ltd.



Shubham R. Patil  
Gujarat Ambuja Exports  
Ltd.



Deven Mahajan  
Gujarat Ambuja Exports  
Ltd.



Pedulwar Kartik  
Gujarat Ambuja Exports  
Ltd.



Sahil Ramteke  
Inventys Research  
Company Pvt. Ltd.



Jayesh Bharambe  
Dikora Bulk Drug Pvt.  
Ltd.



Shubham D. Patil  
Dikora Bulk Drug Pvt.  
Ltd.



Adinath Suryawanshi  
SNF Flowpam India,  
Gandhidham



Gauri Katole  
SNF Flowpam India,  
Gandhidham



Shrutika Sahu  
SNF Flowpam India,  
Gandhidham

**Chemical Engineering Department Placements , Academic Year 2019-20 (Off Campus)**



Vishal Nehte  
Yasho Industries Ltd,  
Vapi



Ajay Wadekar  
Amity Resins, Sarigam



Avinash Patil  
Endurance Technologies  
Pvt. Ltd, Pune



Ajay Bhadane  
Endurance Technologies  
Pvt. Ltd, Pune







***Nilesh Patil (2004 Batch)***  
***GM- Production,***  
***Reliance Industries, SEZ***  
***Refinery Division, Jamnagar,***  
***Gujrat***

*Looking back at the four years that I spent in SSBTs COET Bambhori college, there are so many memories that come as a flashback. It was a great time, spent in SSBTs COET Bambhori.*

*This college has very wonderful faculty and they are very co-operative. The relation between faculty and student is very cordial, which gave me an opportunity to excel further. The four years spent here was splendid and has helped me excel professionally as well as personally.*

*Apart from academic, department offers various opportunity to enjoy our college days which was attracting us towards college many of the time. I remembered our 2004 chemical engineering batch UNITY group.*

*I would like to thank Dr. K. S. Wani, Principal SSBTs COET, Dr. V.R Diware, Dr. Sandeep Thakur, Prof. Vijay Sangore of Chemical Dept. for my strength and motivators. I dedicate my success to all the team members of SSBTs COET and Chemical Engg Dept team, who guided me to become a successful professional in industry. All knowledge that I have picked up from the college during the course of my four years of my study have come into use.*

*It gives me great pleasure in sharing my success as student of SSBTs COET, Bambhori, Jalgaon, which has inculcated a lot of intra and interpersonal skills in every student of the college.*

*It has successfully accomplished promises and objectives in providing quality education and overall development of all its students. SSBT' provided us with well-equipped laboratory, library, gymnasium, internet facility, transportation which has been constantly of great support.*

*The faculty and their teaching techniques are really a boon to all the students for their successful career in every field they marked as engineers.*

*All departments have helped and guided me throughout the course in providing projects and helped me to identify my area of interest with positivity.*

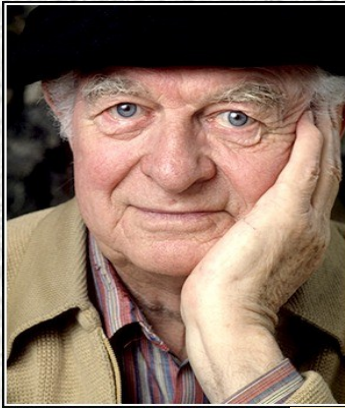
*It's a place of knowledge & bliss.*

*Cherish the memories, the favorite past times, I had in my life! I look forward to keep in touch always while I am away.*



***Sharad V. Pawar (2001 Batch)***  
***Field Officer***  
***Regional Office, Maharashtra***  
***Pollution Control Board,***  
***Thane***





Only when I began studying  
chemical engineering at Oregon  
Agricultural College did I realize that  
I myself might discover something  
new about the nature of the world.

— Linus Pauling —

AZ QUOTES



## What is Chemical Engineering?



Chemical Engineering is the design,  
development, production,  
transformation, transportation, and  
the operation and management of  
the industrial processes that turn  
raw materials into valuable  
products.

### News Letter Committee

Faculty Members: Dr. V R. Diware (Editor)

Mr. V.P.Sangore (Content Organizer)

Student Coordinators: Amolkumar Thakur (SE) Kanchan Patil (TE) Harshal Patil (BE)



**Dr.V.R.Diware**  
Head, Chemical Engineering



**Prof. Dr. S. P. Shekhawat**  
Vice Principal



**Prof. Dr. K. S. Wani**  
Principal

