



SSBT's College of Engineering & Technology, Bambhori, Jalgaon
(Included under section 2 (f) and 12(B) of the UGC Act, 1956)
Grade A (3.14) NAAC Accredited
Department of Chemical Engineering

MOMENTUM

News Letter Vol. No. XXV Jan 2024– June 2024

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*
- ◆ *Consultancy for Chemical Engineering & Allied Processes*
- ◆ *Teacher Guardian Scheme*
- ◆ *Excellent Self-Study Material*



Chemical Engineering Student Placement (2023-2024)

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?

Chemical Engineering Department Activities

Expert Lecture

An expert lecture of Mr. Ravi Jorigal from Asian Academy of Professional Training Pune was conducted on the topic “Career Opportunities in Piping Design Engineering and Construction”. The lecture was conducted on Feb.6, 2024.

In which he explained that piping design is a critical component of engineering projects and process plants and it involves developing efficient piping processes that safely transport fluids and gases across industrial plants.

Optimally designed piping system can enhance the use of space, ease its construction, simplify maintenance and accessibility and improve the overall performance of piping systems.

The lecture attended by the final year students of Chemical & Mechanical Engineering. As per the feedback received from most of the participants all the content of the technical lecture was interesting. The technical lecture on piping design engineering and construction was helpful in updating the knowledge about energy scenario. The mix of presentations and knowledge sharing was appropriate.



Paper Presentation



A National Level Mega Event Milestone 2K24 was organized by SSBT's COET on 1st March 2024. The mega event involves Students Technical Paper Presentation and various events. Paper presentation is a competition where each participant is required to prepare an article/paper about a given topic or area, and then present it in front of the juries. Departmental faculty Mr.V.P.Sangore coordinated Think Tank event and Paper Presentation for Chemical and Biotechnology Engineering department.

Winners of Paper Presentation

Name of Participant	Prize
Sandanshiv Aakash Dilip Mitkumar Vinadbhai Gohil	First
Shivam Nandkumar Bhore	Second



B.E. Chemical Engineering Top Ten Students in KBCNMU May 2024 Exam. (2023-24)

Merit No.	Name of the Student	CGPA
1	ZAMBARE DEVENDRA NARENDRA	8.90
2	MORIS VAIBHAV PRAKASH	8.84
3	BHADANE NARENDRA DNYANESHWAR	8.82
4	PATIL VAISHNAVI SANJAY	8.78
5	RAJPUT TANMAY SURESHSING	8.59
6	PATIL HARSHAD RAJENDRA	8.55
7	CHAUDHARI NAYAN RAJENDRA	8.51
8	SHENDE GAURAV SATISH	8.39
9	PAWAR HIMANSHU BHARATSING	8.37
10	RAJPUT NIKHIL BHARATSING	7.95

T.E. Chemical Engineering Students Rank in KBCNMU May 2024 Exam. (2023-24)

Merit No.	Name of the Student	CGPA
1	PATEL DEV VASANT	8.14
2	PANJARDE RAHUL SUPADU	7.80
3	KAKUSTE PRATHAMESH SUNIL	7.63
4	YEOLE RAHUL RAMESH	7.39
5	KOLI PREM SANJAY	7.24

S.E. Chemical Engineering Students Rank in KBCNMU May 2024 Exam. (2023-24)

Merit No.	Name of the Student	CGPA
1	THORAT ROHAN SANJAY	7.52
2	THORAT HARSHAL HARISH	7.39
3	GOHIL MEETKUMAR VINODBHAI	6.92
4	THAKARE YUTI SAROJKUMAR	6.82
5	PATIL DARSHAN RAMESH	6.64

KBCNMU May 2024 Examination Result Analysis

Class	No. of Students Appeared/ Result Declared	No. of Students ALL CLEAR	% of ALL CLEAR
S.E.Chemical Engineering	7/7	7	100.00
T.E.Chemical Engineering	7/7	6	85.71
B.E.Chemical Engineering	16/15	12	80.00



CONGRATULATIONS!

Placements 2023-2024



Zhambare Devendra Narendra
Supreme Petrochemicals, Raigad
(4 LPA)



Moris Vaibhav Prakash
Supreme Petrochemicals, Raigad
(4 LPA)



Rajput Nikhil Bharatsing
Chaugule Associates, Dhule
(3 LPA)



Chaudhari Pragati Prakash
Motherson Automotive Technologies & Engineering, Sanand
(3.6 LPA)



Patil Vaishnavi Sanjay
Alkyl Amine Chemicals Ltd, Kurkumbh
(3 LPA)



Gold Medalist 2022-2023

Patil Kedar Sunil (2020-2023, with an CGPA 9.43) receiving Gold Medal by the auspicious hands of Hon'ble Vice-Chancellor Prof. V. L. Maheshwari at 32nd convocation ceremony held on 29 Feb. 2024 at Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.

Alumni Visit

Alumni Mr.Lalit Nehete, Technology Consulting Manager, Accenture, Frankfurt, Hesse, Germany, visited department along with family members on Jan.23, 2024.

During discussion with faculty members he shares role and responsibilities of technological consulting manager, work culture and ethics, skills required in budding chemical engineers for their career growth etc. He also share memories during his tenure as a student and appreciate the development of chemical engineering department and the institute.



“Chemical engineering is a discipline that combines mathematical and scientific principles to turn ideas into tangible solutions.” – Charles M. Vest

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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.

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Head, Chemical Engineering



Prof. (Dr). G. K. Patnaik
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