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. XXIX Jan.2026 – June.2026

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*

Mr. Akash Sandanshiv (B.E. Chemical Engineering, 2025–26) received the Best Outgoing Student Award.

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.

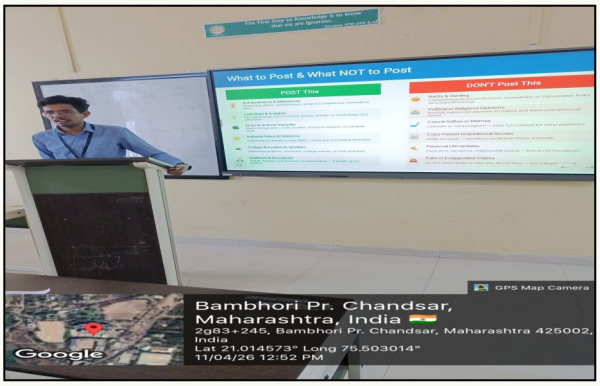
Programme Specific Outcomes (PSOs) of Chemical Engineering Department

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?

Activities Conducted by Chemical Engineering Department in Academic Year 2025-26 Term-II

DATE	EVENT NAME	EVENT DESCRIPTION
31/01/2026	Workshop	Department organized a Workshop on **"Safety in process Industries"** for TE/BE chemical engineering students.
07/03/2026	Startup Awareness Program	Conducted a Session on **"Chemical Startups"** for SE /TE/ BE students. Students of the department actively participated in the program.
17/03/2026	Online Workshop	The department organized an online workshop on **'Entrepreneurship & Innovation as Career Opportunities'** by Prof. Sanjay Inamdar, Entrepreneur, Founder of Flacon, and alumnus of MIT, Harvard, and Carnegie Mellon.
04/04/2026	Elocution Competition	A elocution competition conduced in the department for SE /TE/ BE students on the topic **"Plastic Waste Crisis: Can Chemical Engineers Solve It?** Students of the department actively participated in the activity.
11/04/2026	Peer learning activity	Final year student **Aakash Sandanshiv** guided SE and TE Chemical Engineering Students on the Importance of LinkedIn in Building a Professional Career.
27/04/2026	Peer learning activity	An interactive session was conducted by third year student **Tejas Patil**, where he shared his offline industrial internship experience and guided SE Chemical Engineering students on career development.
15/05/2026	Industrial Visit	An industrial visit to **Acme Sujan Chemicals Pvt. Ltd.**, MIDC Jalgaon was organized for SE and TE Chemical Engineering students to provide practical industrial exposure and bridge the gap between academia and industry.

Peer Learning Activities



As part of the Peer Learning Activity, final-year Chemical Engineering student **Aakash Sandanshiv** conducted an interactive session for Second Year (SE) and Third Year (TE) Chemical Engineering students on the importance of LinkedIn for professional career development. He explained how LinkedIn serves as a powerful platform for building a professional identity, networking with industry experts, exploring internship and job opportunities, and staying updated with industry trends. The session included guidance on creating an effective LinkedIn profile, showcasing academic and project achievements, connecting with professionals, and leveraging the platform for career growth. The activity helped students understand the significance of maintaining a strong online professional presence and preparing for future employment opportunities.

In Second Peer Learning Activity, an interactive session was conducted by third year Chemical Engineering student **Tejas Patil** for SE students. He shared his offline industrial internship experience and discussed the industrial work environment. He explained the practical applications of chemical engineering concepts in industry. The session highlighted the importance of internships, skill development, and professional behavior. He also provided guidance on career planning and industry expectations. The activity motivated students to prepare for future industrial and career opportunities.

Gold Medalist

Mr. Dev Patel (B.E. Chemical Engineering, Batch 2021–2025) received the Gold Medal at the Thirty Fourth Convocation of Kavayitri Bahinabai Chaudhari North Maharashtra University, held on 23rd December 2025 at Jalgaon. The award was conferred in recognition of his exceptional academic performance and academic excellence in the Chemical Engineering program. His achievement is a matter of great pride for the Department of Chemical Engineering and the institute.

Students Placement 2025-26

The Department of Chemical Engineering proudly announces that **Yuti Thakare, Aakash Sandanshiv, and Meetkumar Gohil** have been selected as Graduate Trainee Engineers (GTEs) at **Chandan Tech Solutions, Pune,** with a CTC of ₹22,000 per month. Their achievement reflects their dedication, technical skills, and the quality training provided by the Department of Chemical Engineering. The department congratulates them and wishes them a successful professional career.

Research Paper Publications by Students:

- Mr. Aakash Sandhanshiv published a research paper entitle "Synthesis of Bio Fertilizer from Canteen Food Waste" in IJERT ,Volume 14 ,Issue 11, November 2025, ISSN: 2278-0181
- Mr. Aakash Sandhanshiv published a research paper entitle" "A gravity Based Energy system using Buoyancy –Assisted Mass Repositioning "in IJRASET, Volume 14, Issue I , January 2026 ISSN No:2321-9653

Outstanding Achievements by Students:

- Mr. Aakash Sandanshiv BE Chemical Engg. student achieved a Best outgoing student award 2025-2026.
- Lawanya Mahajan and Tanvi Mishtri got selected in University level "Aavishkar 2026" Phase –II .
- Vinayak Chitte won first prize in a national level mega event "Milestone 2K26" for paper presentation
- Yuti Sarojkumar Thakare won Second prize in a national level mega event "Milestone 2K26" for paper presentation

Mrs. S. S. Pawar, Faculty Member of the Department of Chemical Engineering, received the **Best Poster Presentation Award** at the International Conference on Advances in Chemical Technology and Allied Sciences (ACTAS-2026), held on January 6–7, 2026. The conference was organized by the University Institute of Chemical Technology, Kavayitri Bahinabai Chaudhari North Maharashtra University (KBCNMU), Jalgaon. Her poster, titled "Integrating Process Development and Reaction Engineering for Biofertilizer Production," was recognized for its excellence and innovative contribution to the field.

Industrial Visit

Date of Visit: 15 May 2025
Company: Acme Sujan Chemicals Pvt. Ltd.
Location: D-70-71, MIDC, Jalgaon

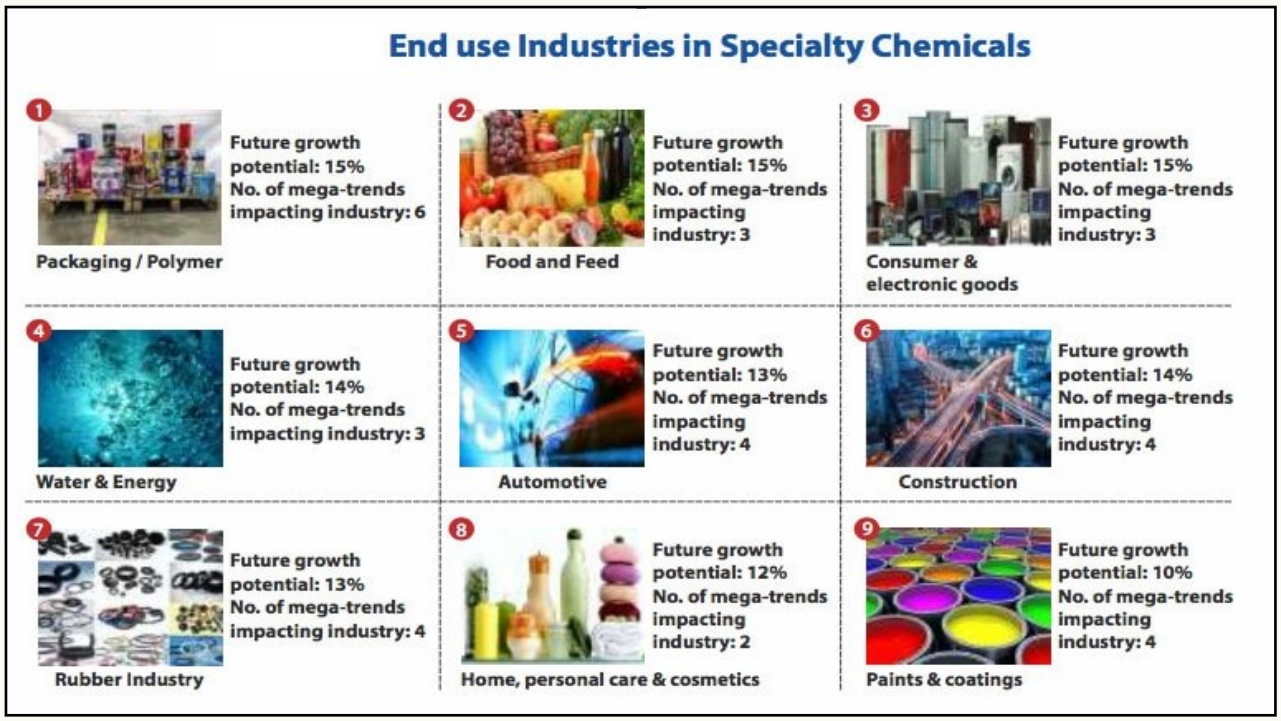
The Department of Chemical Engineering organized an industrial visit to Acme Sujan Chemicals Pvt. Ltd., Jalgaon, on 15 May 2025 for Second Year and Third Year students. The visit aimed to provide practical exposure to industrial operations and help students understand the application of chemical engineering principles in a manufacturing environment.

During the visit, students observed various production processes and gained insights into plant operations, safety practices, and quality control measures. They interacted with industry professionals who explained their roles, responsibilities, and career opportunities in the chemical sector.

Acme Sujan Chemicals Pvt. Ltd., established in 1989, is a leading manufacturer of fine and specialty chemicals, particularly in the field of Phase Transfer Catalysis. The company supplies chemical intermediates and derivatives to pharmaceutical, cosmetic, and agrochemical industries.

The visit proved highly informative and beneficial, enabling students to connect classroom concepts with real industrial practices. The department expresses its sincere gratitude to the management and staff of Acme Sujan Chemicals Pvt. Ltd. for their support and valuable guidance during the visit.

Photo Gallery

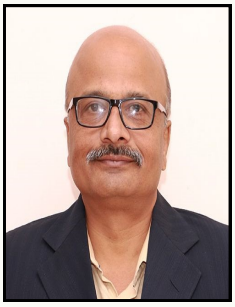


Source: Indian Chemicals and Petrochemicals Industry, TSMG

News Letter Committee

Faculty Members: Dr. S.A.Thakur (Editor) Mr. V.P.Sangore (Content Organizer)

Student Coordinators : Manasi Pawar (SE) Rushikesh Patil (TE) Yuti Thakare (BE)



Dr.S.A.Thakur
Head, Chemical Engineering

Prof. (Dr). G. K. Patnaik
Principal