

# रसायनत्रिकी

## Vision of the Department

To be the prime seat of quality education in chemical engineering that nurtures and promotes innovations, creative thinking and leadership.

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## Mission of the Department

- ✦ To Provide quality education, to meet the changing needs of industry.
- ✦ To provide theoretical knowledge and hands-on experience through the classroom and laboratory sessions.
- ✦ To develop quest for research in the field of Chemical Engineering.
- ✦ To produce morally, ethically and socially responsible chemical engineering graduates.

## Salient features of the Department

- ✦ State of art laboratories.
- ✦ Qualified and experienced faculty.
- ✦ Very effective teaching-learning process.
- ✦ Consistently good results.
- ✦ Consistently increasing placements.

## Program Specific Objectives (PSOs)

- ✦ The student will demonstrate knowledge of various concepts by formulating and solving problems in advanced courses in chemical engineering.
- ✦ The student will show an ability to design experiments and analyze and interpret data which will enable them to be enterprising professionals.



## From the HoD's Desk



Department of Chemical Engineering offers platform for students from the Konkan region to develop a career in various fields of chemical engineering. It continues to be the prime seat of chemical engineering education in the entire Konkan belt of Maharashtra. Many of our alumni are placed in various renowned industries while many of them are pursuing their higher studies. The department has developed a very strong association with its alumni and is always seeking feedback from them. The department also looks forward to the feedback of other stakeholders so that better policies can be implemented in the department for all-round progress of its students.

Thank You  
Dr. N. G. Kanse, Head,

## From the Editor's Desk



Dear readers,  
रसायनत्रिकी has been serving as a platform where all of the departmental activities conducted during the semester are summarized. The newsletter also covers departmental news and achievement of faculty and students during the semester. It gives me immense pleasure to invite you to submit your articles for रसायनत्रिकी.

Regards

Prof. A. K. Bandsode,  
Assistant Professor

*"If you look at a tree and think of it as a design assignment, it would be like asking you to make something that makes oxygen, sequesters carbon, fixes nitrogen, distills water, provides habitat for hundreds of species, accrues solar energy's fuel, makes complex sugars and food, changes colours with the seasons, creates microclimates, and self-replicates."*

– William McDonough

## News and Events

### Seminar on "Navigating the Challenges of Commissioning in the Chemical Industry"

The Department of Chemical Engineering organized a Seminar on "Navigating the Challenges of Commissioning in the Chemical Industry" on 7th August 2024. Mr. Rakesh Khandare, an alumnus of Chemical Engineering Department, 2016 Batch and currently working as Commissioning Engineer in Aquatech Asia System Pvt. Ltd., Mumbai was invited to interact with Second, Third and Final Year Chemical Engineering students, with an objective of awareness about complexities involved in commissioning chemical plants, where safety, precision, and compliance are paramount.

The seminar was arranged in collaboration with the Association of Chemical Engineering Students (ACES) and began in the presence of Head of the Department, Dr. Nitin Kanse and Dr. P. A. Giri. Mr. Rakesh Khandare shared his experience as a commissioning engineer who faced unique challenges, including handling hazardous materials, ensuring strict regulatory adherence, and optimizing processes for operational efficiency. He also discussed the essential competencies needed by an undergraduate chemical engineer, emphasizing how to leverage technical skills to succeed in the field. These competencies are particularly crucial in navigating the challenges of commissioning within the chemical industry, where engineers must combine their technical knowledge with problem-solving abilities to ensure safety, compliance, and efficiency in plant operations. Final year Chemical Engineering students coordinated the event successfully. Ms. Shravani Madake hosted the program, and all faculty members of the Chemical Engineering Department were present for the seminar.

The seminar was attended by 21 students which was coordinated successfully by Dr. P. A. Giri.



Mr. Rakesh Khandare during his talk  
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## News and Events

### Seminar on “Navigating the Challenges of Commissioning in the Chemical Industry”

Cont. from 2



Mr. Rakesh Khandare during his talk



Mr. Rakesh Khandare during his talk



Mr. Rakesh Khandare with Dr N. G. Kanse, Head of the Department

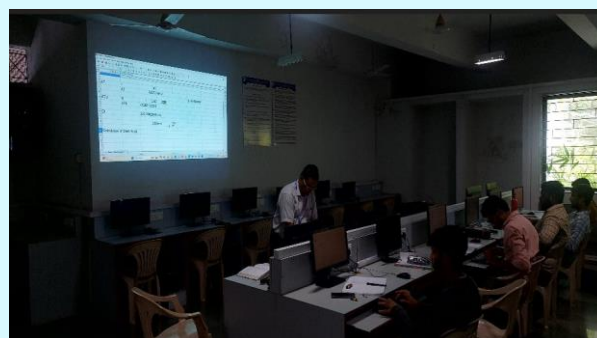
## News and Events

### A Workshop on Design of Shell and Tube Heat Exchanger

A workshop on ‘Design of Shell and Tube Heat Exchanger’ was conducted on 30th September and 14th October 2024 for final-year students in the Department of Chemical Engineering. The workshop was conducted under the Chemical Engineering Equipment Design Laboratory to cover the mechanical design of Shell and Tube Heat Exchanger. The resource person for the workshop was Prof. A. K. Bandsode, a faculty in the Chemical Engineering Department. The students were taught the steps involved in the mechanical design of the Shell and Tube Heat Exchanger. Students used spreadsheet in Open Office software to do the design calculations. The workshop was coordinated by Prof. A. K. Bandsode and supported by Dr. N. G. Kanse, the head of the Chemical Engineering Department.



Prof. A. K. Bandsode, explaining steps in the design



Final-year students during the laboratory session of the workshop

## News and Events

### Industrial Visit to Waste Plastic Pyrolysis Unit, Gadre Marine Export Pvt. Ltd

The department of Chemical Engineering organized an Industrial Visit to Waste Plastic Pyrolysis Unit of Gadre Marine Export Pvt. Ltd, Ratnagiri on 1st October 2024 Final year students. The objective of the visit was to observe and understand the industrial safety measures and practices implemented at Gadre Marine Export Pvt. Ltd.

During this visit Mr. Nainesh Mayekar, demonstrated the company's strong commitment to maintaining a safe working environment. The comprehensive safety protocols, training programs, and risk management practices implemented by the company serve as a benchmark for industrial safety in the seafood processing industry. The visit highlighted the importance of continuous training, hazard identification, and emergency preparedness in ensuring the health and safety of employees and maintaining product quality. Dr. N. G. Kanse, Head of Chemical Engineering Department coordinated of the visit. Total 11 students from BE Chemical and Mr. Yash Surve, Lab assistant of Chemical Department visited the site.



Mr. Nainesh Mayekar and Dr. N. G. Kanse along with BE students during the visit

## News and Events

### Industrial Visit to Waste Plastic Pyrolysis Unit, Gadre Marine Export Pvt. Ltd



Mr. Nainesh Mayekar explaining industrial safety measures and practices implemented at Gadre Marine Export Pvt. Ltd.



Mr. Nainesh Mayekar demonstrating the Pyrolysis process to BE students during the visit