

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.

Contents of this Issue

- ✚ From the HoD's Desk
- ✚ From the Editor's Desk
- ✚ About a famous Chemical Engineer
- ✚ News and Events

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.



रसायनत्रिकी

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,

Chemical engineering is the profession in which a knowledge of mathematics, chemistry and other natural sciences gained by study, experience and practice is applied with judgment to develop economic ways of using materials and energy for the benefit of mankind."

George E. Davis

News and Events

A Workshop On Introduction to DWSIM

A workshop on 'Introduction to DWSIM' was conducted on the 16th and 20th of January 2023 for final-year students in the Department of Chemical Engineering. The workshop was conducted under the Modeling Simulation and Optimization Laboratory to introduce the students to DWSIM, a Process Simulator in Chemical Engineering. The resource person for the workshop was Prof. A. K. Bandsode, a faculty in the Chemical Engineering Department. The students were taught to create a flowsheet and specify material streams in DWSIM. The students also learned to simulate the resulting flowsheet.

The workshop was coordinated by Prof. A. K. Bandsode and supported by Dr. N. G. Kanse, the head of the Chemical Engineering Department



Final-year students during the laboratory session of the workshop

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 summerized. The news letter 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

News and Events

Seminar on Opportunities in Technical Sales and Marketing

The Department of Chemical Engineering organized a Seminar on **Opportunities in Technical Sales and Marketing** on 10th February 2023. **Ms Shital Jadhav**, an **alumnus** of the Chemical Engineering Department and currently working as an **Assistant Manager, Chemco Group, Mumbai** was invited to interact with Third Year and Final Year Chemical Engineering students, with an objective to look beyond the conventional job prospects in process industries.

The seminar was arranged in collaboration with the Association of Chemical Engineering Students (ACES) and began in the presence of the Head of the Department, **Dr Nitin Kanse** and **Prof. P. A. Giri**. **Ms Shital Jadhav** shared her experience of International Marketing Strategies and her journey as an undergraduate at FAMT to Master's in Business Management student. She also shared her experience of technical sales and international marketing with various organizations. Final-year Chemical Engineering students coordinated the event successfully. **Ms. Purva Vanjari** hosted the program and all faculty members of the Chemical Engineering Department were present for the seminar.

The seminar was attended by 43 students and successfully coordinated by **Prof. P. A. Giri**.



Ms Shital Jadhav during her interaction

Jadhav visiting laboratories after the seminar

News and Events

Donation Drive-2023 Organized by Association of Chemical Engineering Students (ACES)

A Donation Drive was organized by **Association of Chemical Engineering Students (ACES)** under an outreach program on 10th February, 2023. The donation boxes were placed at prime locations in each department of FAMT for collection of items like stationery, nonperishable food items etc.

The collected items were donated to **Z. P. School, Sheel (Patilwadi)**, a government primary school nearby MIDC area Ratnagiri. **Dr. Nitin G Kanse**, HOD Chemical Engineering Department, **Prof. S. B. Bobde**, ACES In-charge, **Mr. Deep Shelar** and **Ms. Purva Vanjari**, ACES Chief Coordinator and the students of BE Chemical Engineering coordinated the event excellently.

The students from the department took active participation and donated a **Water Purifier RO System** to the school. The students gave positive feedback and requested to conduct the drive every year. Their efforts were appreciated by the school authorities.



Dr. Nitin Kanse, HoD Chemical along with ACES coordinators donating the items to school authorities.

News and Events

Expert Lecture on "Environmental Bioengineering: Scope and Opportunities"

The Department of Chemical Engineering organized an expert lecture on "Environmental Bioengineering: Scope and Opportunities" on 16th February 2023. **Dr. Sanket Bapat and Dr. Pranav Pathak, MIT School of Bioengineering Science and Research, MIT-ADT University, Pune** were invited to interact with Second, Third and Final Year Chemical Engineering students, with an objective of awareness about future scope and opportunities in Environmental Bioengineering field.

The lecture 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 **Prof. P. A. Giri**. **Dr. Bapat and Dr. Pathak** shared their expertise about the higher education opportunities ahead of chemical engineering undergraduate students in a new field of Environmental Bioengineering. They also shared ongoing funded projects in this research area and the importance of Environmental Bioengineering. Final year Chemical Engineering students coordinated the event successfully. **Ms. Purva Vanjari** hosted the program and all faculty members of the Chemical Engineering Department were present for the event.

The event was attended by 43 students of the department.



Dr. Sanket Bapat during his talk

News and Events

Expert Lecture on "Process Engineering: From Concept to Execution"

The Department of Chemical Engineering organized an expert lecture on "Process Engineering: From Concept to Execution" on 20th March 2023. **Mr. Sahil Yadav, an alumnus of Chemical Engineering Department** form 2019 batch. He is currently working as a SPPID Admin, Worley India Pvt. Ltd. was invited to interact with Third Year and Final Year Chemical Engineering students, with an objective of understanding basic concepts of process engineering and its application in chemical engineering.

The lecture 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 **Prof. P. A. Giri**. **Mr. Sahil Yadav** shared his journey in FAMT and informed his industrial experience as a process engineer as well as challenges ahead. He also shared the concept of process engineering and skills required to be a successful in chemical industry. Final year Chemical Engineering students coordinated the event successfully. **Ms. Purva Vanjari** hosted the program, and all faculty members of the Chemical Engineering Department were present for the event.

The event was attended by 41 students which was coordinated successfully by **Prof. P. A. Giri**.



Mr. Sahil Yadav during his expert lecture

News and Events

Seminar on "Challenges and Opportunities in Chemical Engineering"

The Department of Chemical Engineering organized an expert lecture on "**Challenges and Opportunities in Chemical Engineering**" on 20th March 2023. **Mr. Nikhil Waghela, an alumnus of Chemical Engineering Department** form 2018 batch. He is currently working as an Executive Engineer, Aarti Industries Ltd. Boiser was invited to interact with Final Year Chemical Engineering students, with an objective of preparing undergraduate students of chemical engineering about various skills required in industry and opportunities.

The lecture 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 **Prof. P. A. Giri**. **Mr. Nikhil Waghela** shared his journey as a student in FAMT and hostel life. He also shared the importance of academics in student life and challenges need to be faced by them in industry. Final year Chemical Engineering students coordinated the event successfully. **Ms. Purva Vanjari** hosted the program, and all faculty members of the Chemical Engineering Department were present for the event.

The event was attended by 21 students which was coordinated successfully by **Prof. P. A. Giri**.



Mr. Nikhil Waghela during his talk

News and Events

Seminar on "Opportunities and Challenges in Chemical Industries"

The Department of Chemical Engineering organized a Seminar on "**Opportunities and Challenges in Chemical Industries**" on 03rd April 2023. **Mr. Bhagesh Ballan, an alumnus of Chemical Engineering Department** form 2021 batch. He is currently working as a PD & BD Executive, Konark Polychem LLP, Bharuch, Gujrat was invited to interact with Final Year Chemical Engineering students, with an objective of understanding the nature of chemical industry work culture and opportunities in various fields of the industry especially process engineering and design department.

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 **Prof. R. K. Marag**. **Mr. Bhagesh Ballan** shared his industrial experience in core chemical industry as a process engineer as well as opportunities and challenges after graduation. He also shared the nature of the chemical industry and its various departments where the potential opportunities exist. Final year Chemical Engineering students coordinated the event successfully. **Ms. Purva Vanjari** hosted the program successfully.

The event was attended by 20 students which was coordinated successfully by **Prof. R. K. Marag**.



Mr. Bhagesh Ballan during his seminar

News and Events

Seminar on "Opportunities in the Biological Wastewater Treatment Industries"

The Department of Chemical Engineering organized a Seminar on " **Opportunities in the Biological Wastewater Treatment Industries** " on 03rd April 2023. **Mr. Gunjan Baviskar**, an **alumnus of Chemical Engineering Department** form 2021 batch. He is currently working as a Project Incharge, Bio-Petro Clean India Pvt. Ltd. was invited to interact with Final Year Chemical Engineering students, with an objective of understanding the nature of wastewater treatment industries, the present scenario of wastewater treatment in Indian industries, its need and opportunities in this field. 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 **Prof. D. C. Dengale**. **Mr. Gunjan Baviskar** shared his academic experience in FAMT and role of project engineer in wastewater treatment industries. He also shared the type and details of projects to be undertaken in wastewater treatment and the responsibilities as a project engineer. Final year Chemical Engineering students coordinated the event successfully. **Ms. Purva Vanjari** hosted the program successfully. The event was attended by 20 students which was coordinated successfully by **Prof. D. C. Dengale**.



Mr. Gunjan Baviskar during his seminar