



# 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.

## 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.

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## रसायनत्रिकी



From the HoD's Desk

### Greetings from the Department of Chemical Engineering!

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. Nitin. G. Kanse,**  
Head & Associate Professor

### About a famous Chemical Engineer



#### Keki Hormusji Gharda

- ✓ Graduated in Chemical Engineering from ICT, Bombay in 1941.
- ✓ Obtained masters in Chemical Engineering from University of Michigan in 1952.
- ✓ Obtained PhD in Chemical Engineering from University of Michigan in 1959.
- ✓ Began his career as an Assistant Professor, Process Design & Chemical Engineering at the University of Oklahoma.
- ✓ He established Gharda Chemicals Limited in 1967
- ✓ He was honoured by the Government of India with Padma Shri in 2016

### A peep into history of Chemical Engineering

1933- The Imperial Chemical Industries in England discover **Polyethylene**.

1934- Perry's first edition of the **Chemical Engineers Handbook** is published.

1935- Wallace H. Carothers, of Du Pont, discovers **Nylon**.

1931- The **Houdry Process** is used in the **Catalytic Cracking of Petroleum**

### News and Events

Department of Chemical Engineering in association with IIC, FAMT organized a webinar on "**My Story: Motivational Session by successful Startup Founder Dr. Sandip Patil**" for second, third and final year students on 12<sup>th</sup> February 2020. The resource person for the webinar was **Dr. Sandip Patil** (Founder, Director at E-spin Nanotech Pvt. Ltd. Kanpur). The resource person highlighted the importance of research, publication and patents in the field of Chemical Engineering. He was explained innovational ideas to the students which are helpful to become a successful entrepreneur. **Dr. Nitin Kanse**, Head of the Department, introduced the speaker. **Prof. Shrikrishna Bobde** coordinated the event and acted as the anchor for the event. All faculty members of Department of Chemical Engineering attended the webinar. From the Department of Chemical Engineering a total 57 students participated in the webinar.



**Dr. Sandip Patil during his talk**





## रसायनत्रिकी

### News and Events

The Department of Chemical Engineering organized a Seminar on “**Personality Development & Interview Techniques**” on **24<sup>th</sup> March, 2022**. **Mr. Rajeev Jambhekar**, **Assistant General Manager** of Vinati Organics Ltd., was invited to interact with Second Year, Third Year and Final Year Chemical Engineering students, with an objective of creating awareness amongst students about their career.

The seminar began in the presence of Principal, **Dr. Kaushal Prasad**, **Dr. Nitin Kanse**, **Mr. Rajeev Jambhekar**, **Prof Raju Marag**. Third year Chemical Engineering students coordinated the event successfully under the guidance of **Dr. Nitin Kanse**, Head, Chemical Engineering Department. **Ms Purva Vanjari** Third year Chemical Engineering student hosted the program. All faculty members of the Department of Chemical Engineering attended the seminar. The seminar was attended by 60 students which was coordinated successfully by **Prof. Raju K. Marag**.



Mr. Rajeev Jambhekar during his talk



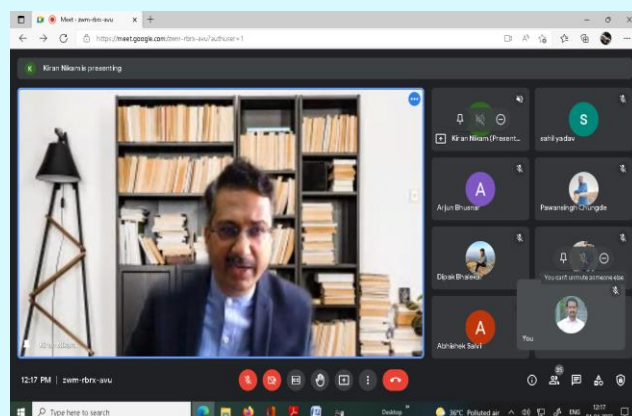
Dr. Kaushal Prasad felicitating Mr. Rajeev Jambhekar

### News and Events

The Department of Chemical Engineering organized a Webinar on “**Know Your Journey as a Chemical/Process Engineer**” on **4<sup>th</sup> April 2022** for second, third and final year Chemical Engineering students. The resource person for the webinar was **Mr. Kiran Nikam**, Director & Co-Founder of EngiMates Resources and Energy Pvt Ltd & Program Director at ViGyan Technologies. Mr. Kiran Nikam discussed following points in his webinar

- Phases of Project in Engineering and Life Cycle
- Opportunities as a Chemical Engineer
- Career in Engineering Consultancy
- Important Responsibility as Process Engineer
- Simulation Software Family in Process
- Basic Requirements – A must know
- Non-Technical Skills requirements

The session was initiated by **HOD Chemical, Dr. Nitin Kanse** along with **Prof. D. C. Dengale** as the webinar coordinator. **Mr. Deep Shelar** **Third-year Chemical Engineering student**, hosted the program. All faculty members of the Chemical Engineering Department attended the Webinar. From the Department of Chemical Engineering, a total of 59 students participated in the webinar. The Webinar concluded with a vote of thanks by **Prof. D. C. Dengale**



Mr. Kiran Nikam during his talk



## रसायनत्रिकी

### News and Events

The Department of Chemical Engineering organized a Seminar on “**Career Opportunities in Chemical Industry**” on 1<sup>st</sup> April, 2022. **Mr. Nitin Patil, an alumni** of Chemical Engineering Department working in **Reliance Life Sciences Limited** was invited to interact with Second Year, Third Year and Final Year Chemical Engineering students, with an objective of choosing the best sector in the chemical industry to decide the career path for their future.

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. Prashant Giri**. **Mr. Nitin Patil** shared his journey in FAMT and elaborates the importance of academics for further growth in the industry. He also enlightened students about available off-campus opportunities in the market and guided them towards achieving the best goal in their life. Third year Chemical Engineering students coordinated the event successfully. **Ms. Purva Vanjari, Mr. Sunil Charavande** and **Mr. Owais Mulla** hosted the program and all faculty members of the Chemical Engineering Department attended the seminar.

The seminar was attended by 49 students which was coordinated successfully by **Prof. Prashant Giri**.



Mr. Nitin Patil during his talk

### News and Events

The Department of Chemical Engineering organized a Seminar on “**Role of Chemical Engineer in Process Industry**” on 8th April, 2022. **Mr. Siddhesh Vijay Palande, an alumni** of Chemical Engineering Department working as Executive Process Engineer in **JNK India Pvt. Ltd. Mumbai** was invited to interact with Second Year, Third Year and Final Year Chemical Engineering students, with an objective of to understand the role of chemical engineer in the process industry.

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. Subhash S Kadlag**. **Mr. Siddhesh Vijay Palande** shared his journey in FAMT and explained the roles and responsibilities of process engineer in the chemical industry. He also elaborated work culture in the industry and guided the students about their role for selection as a process engineer. Third 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 54 students which was coordinated successfully by **Prof. Subhash S Kadlag and Prof. P. A. Giri**.



Mr. Siddhesh Vijay Palande during his talk



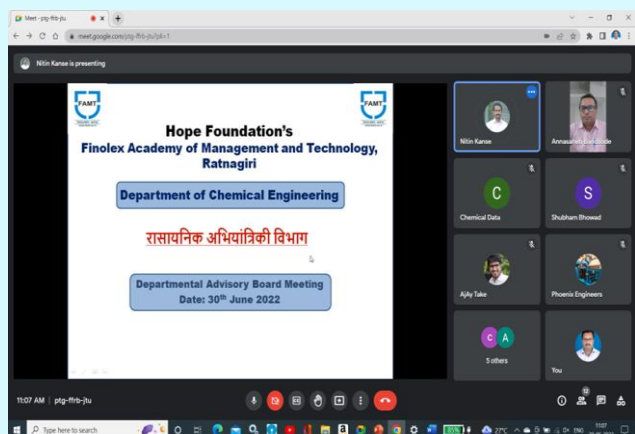
## रसायनत्रिकी

### News and Events

The Chemical Departmental Advisory Board Meeting was held on 30<sup>th</sup> June 2022 through Google meet. **Prof. A. K. Bandsode** welcomed and introduced the advisory board members. **Dr. Nitin G. Kanse**, Head, Department of Chemical Engineering gave an overview of the department such as infrastructure, activities conducted, achievements, placements, and results in the department.

It was followed by an open discussion among members of Departmental Advisory Board. **Mr. Ajay Take**, the industry representative on the board, appreciated the efforts taken by the department for the benefit of the students. **Dr. Chandu Madankar**, the academican on the board suggested collaborative project work with reputed institutes in the country. He also appreciated departmental activities. **Mr. Deep Shelar**, TE Chemical student on the board requested to start GATE guidance in the department. **Mr. Sahaji Chavan**, the industry representative on the board, appealed for involvement of the student for solving real time industrial problems. **Dr. Nitin G. Kanse** appreciated the suggestions and assured the members to implement them in the department.

The meeting concluded with the vote of thanks by **Prof. A. K. Bandsode**.



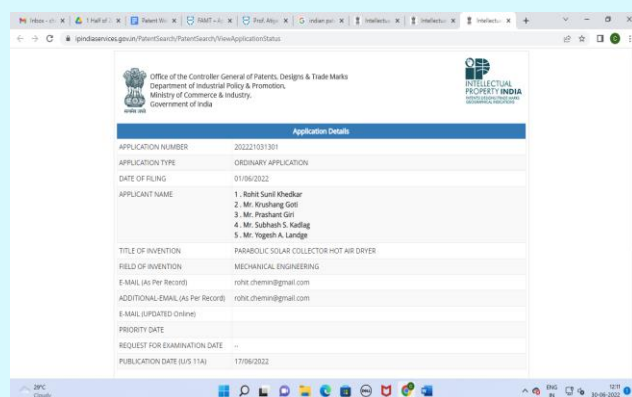
DAB members in the meeting

### Faculty Achievements

**Prof. Prashant A. Giri, Prof. Subhash S. Kadlag and Prof. Yogesh A. Landge** published a patent entitled “Parabolic Solar Collector Hot Air Dryer” in Intellectual Property India (IPI) services on 17th June 2022.

The Parabolic Solar Collector Hot Air Dryer with an Application Number: **202221031301** was filed on 01st June 2022 and published on 17th June 2022 in the field of invention in Mechanical Engineering.

Dr Kaushal Prasad, Principal, the management, Mr G. D. Targaonkar, Registrar along with the Team FAMT congratulated the department on remarkable achievement and offered the best wishes.



Screenshot of the Published Patent