All India Shri Shivaji Memorial Society' s
College Of Engineering , Pune - 411001
The newsletter of Department of Chemical Engineering

CHEMIXIR

June 2018 to November 2018 **Month Of Release : December 2018**

Principal: Dr. D. S. Bormane | Head of Dept.: Dr. K. R. Jethani | Editor: Prof. P. S. Tadkar

From Principal's Desk:

It is good to see the latest edition of newsletter of Chemical Engineering Department. On this publication of this newsletter I introduce to you an entirely new approach of learning in our college. An approach, where traditional methods of learning go hand in hand with modern learning techniques, keeping up with the current trends and technology.

We facilitate our students to excel academically and to develop their personalities in diverse fields. To this end, we have complemented academics with other developmental activities such as performing arts, sports, hobbies and technical clubs, to name a few.

Each student is encouraged to explore their areas of interest and to develop their talent to the maximum.

Our teaching staff is dedicated and knowledgeable in their subjects. They have a passion to pass on this enthusiasm to each student and to inculcate in them the spirit of curiosity and learning.

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From the Editor's Desk…

It gives us great pleasure to hand over to you "CHEMIXIR" the newsletter of Chemical engineering department.

The department has 22 staff members and more than 220 students. All of us are involved in number of activities and working for development of the department. The Newsletter is a common platform to showcase the talents of the department. It also provides for showcasing of achievements and efforts taken by one and all which contribute towards department strengths. It is our attempt to get maximum contribution from staff and students to come together and interact through this newsletter. We try to pick the moments of guest lectures conducted by department, various industry visits carried out, competitions organized, achievements and participation by students and staff. We hope this newsletter will help in its own way to achieve our goal & realize our vision progressively.

Hope you will find this newsletter informative. Your suggestions for improvement in the newsletter are welcome.

Editors

1. Programmes:

UG : BE (Chemical Engg.)
PG : ME (Chemical Engg.)

2. Faculty position:

Professors : 03
Asso. Professors : 01
Asst. Professors : 12

3. Supporting Staff :06

From HOD's Desk…

Department of Chemical Engineering was established in the year 1996, with an intake capacity of 40 students for UG which was increased to 60 students in 1997. The PG program was started in 2011 with an intake of 18 students. The Department has well-qualified and experienced faculty with an average experience of 8-10 years. Faculty is also involved in research & professional activities inside & outside the campus. They are encouraged to upgrade their knowledge and qualifications The department was successful in giving consistently good academic results in last three years and motivating the students to involve in extra curricular and co-curricular activities like paper presentation, Project competition leading towards all-round development of our students. The Department has well-equipped laboratories with sophisticated equipment. We have organized number of workshops and seminars for the students and staff.

Our Toppers !!!

SE :-

1. Sharma Rohit Dindayal
2. Erande Sameer D
3. Jagtap Pratik Deepak

TE :-

1. Rajpurohit Nilesh
2. Tak Govind Venaram
3. Pal Ashish Gopal & Prateek

BE :-

1. Jadhav Shubham Sandip
2. Chaudhari Gaurav S
3. Bombale Ashutosh B

इतनी सी है जिंदगी

वो कामयाबी से हमारे जलते गएं ।
पर हम नयी नयी उँची बुलंदियों छूते रहें।किस्मत ने लिखा था हमारी कामयाबी को छूना ।
फिर भी अहंकार को कभी अपना न होने देना।
केहता रहा दिल हमारा आ गर्व से कभी फुलें ।
थोड़ीसी कामयाबी से ना इतना झूलों ।
आखिर आता ही क्या है अपने साथ।
अगर जाना ही है उपर खाली हाथ।

Prajakta Nanote

Moments

Coverage beyond Syllabus……

Teacher's Day:

On the account of teacher's day, the Department of Chemical Engineering celebrated "Teacher's Day" to appreciate the efforts faculties take for the students. Students gifted gifts to the faculties and got blessings from them. A student then gave the audience which included both, the teachers and the students, a speech where in he thanked all the teachers for their efforts and also appreciated them for the same. The faculties were over-whealmed by seeing the students efforts and affection towards them.

द्वंद्व

रस्त्यावरच्या सिग्नल वरती मी भूक पळताना पाहिलिय.
पोटासाठी त्याने आयुष्य लाल हिरव्या दिव्या मध्येच वाहिलंय.
अंगावरती फाटलेला सदरा, पोटामध्ये उसवलेली भूक होती.
तरीही डोळ्यामध्ये कातर कातर स्वाभिमानाची रेख होती.
दुभाजकाच्या कट्यावरती भिविष्याचा वेध होता.
चिमुकल्या डोळ्यात सकाळपासून भाकरीचा शोध होता.
काचेच्या त्या सीमेवर जिवनाची खरी मेख होती.
काचेच्या आतून अमिरी तर बाहेरून गरिबी जळत होती.
आयुष्याच्या या द्वंद्वामध्ये मन उदास होते.
सिग्नल सोडून गेल्यावर त्यांचे आयुष्य पुन्हा माझ्यासाठी आभास होते.

Ajay Katwata

ENGINEERING TODAY 2018

Every year the college organizes a technical event, Engineering Today. Under this event the Chemical Department organizes 'Chemixir' which comprises of technical and non-technical events. 660 participants participated in the event. Following events were conducted in 'Chemixir'.

1) Paper presentation
2) Poster presentation
3) Unisim
4) Chemical Scavenger
5) General Aptitude
6) PubG
7) Game of Series

An Unexpected Meet @5600ft!

"Can we take a photo together?", I asked.Peeling the orange in his hand, he said "Yes! 20 pushups first."

At a height of 5600 feet after a tedious trek, I don't remember whether I was confused or ecstatic after hearing this. The place was the zenith of Mt.Kalsubai. The man was the Ironman - Milind Soman. Immaculate jawline, legs that'll put any cyclist in awe and a sculpted physique. Indeed, the epitome of fitness. After a brief tete-a-tete, I sat atop a rock recollecting those few minutes. In the backdrop – a setting sun that was spreading its warm colors immaculately.It is almost impossible to watch a sunset and not dream. And just a few minutes back I had met the man whom I venerate so much! The blue noon sky gradually transcending into a mellow orange sky seemed simply breathtaking. Did the warmer tones make me jubilant? Yes, they did, signifying the end of an eventful day. Faraway from the usual cacophony and din, the Mt. Kalsubai Trek was indeed a gem of a trek!

Sushrut Kinge

Interdeparment Sports Competition

Our college conducts inter department sports where all the department participate and aim to won the overall sports trophy.
This year the department of Chemical Engineering participated in various events and boys team secured 2nd position in volleyball.

Glimpses of Sports Events

DEPARTMENT VISION:

1. To be a leader in Chemical Engineering education providing service to society

DEPARTMENT MISSION:

1. To provide quality education to prepare graduates for responsible positions in chemical industry, academia and research

2. To carry out research to solve problems of chemical industry and society

Program Specific Outcomes (PSO)

Chemical Engineering graduates will be able to:

1. Identify, analyze, design and develop solutions to Chemical Engineering problems of practical importance to industry and society.

2. Demonstrate sound understanding of Chemical engineering fundamentals to solve problems through the use of modern experimental methods, computer aided design and simulation software like AutoCAD, MATLAB and UNISIM.

Program Outcomes (PO)

Engineering Graduates will be able to:

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

- **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.

- **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.

- **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.

- **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.

- **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.

- **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.

- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

- **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.

- **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.

- **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.

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