



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय
Accredited by NAAC with "A+" Grade



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Student Members:

Mr. Aman Sayyad.

From Principal's Desk:



It is good to see the latest edition of newsletter of Chemical Engineering Department. On this occasion of 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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www.aiissmscoe.com

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 260 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 : 02

Asso. Professors : 01

Asst. Professors : 10

3. Supporting Staff :06

From HOD's Desk...

Department of Chemical Engineering established in the year 1996, capacity of 40 students increased to 60 students. The program was started in 2011. The Department has experienced faculty with an average of 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 :-

- 1st 1) Sayyad Aman Gulab
2) Desadla Darshan Rajesh
- 2nd 1) Parab Mihir Girish
- 3rd 1) Pardeshi Sumer Rajesh
2) Sayed Mohammad Ali Tarique

TE :-

- 1st 1) Borhade Hrutuja Nivrutti
2) Charbiwala Murtuza Mohammad
3) Mehta Dikshita Kamlesh
4) More Devendra Amar
- 2nd 1) Badhe Sevkram Sharayu
2) Gandhi Viraj Rajendra
- 3rd 1) Beldar Umesh Purushottam
2) Darshale Shraddha Pandurang
3) Deochake Niranjana Ajay

BE :-

- 1st 1) Erande Sameer Dnyaneshwar
- 2nd 1) Sharma Rohit Dindayal
2) Mahima Anup Phade
- 3rd 1) Gaikwad Akash Shantaram
2) Phadnis Nachiket Anant

पलकों पे आसुओं को कभी सजाना नहीं चाहिए, हर ज़ख्म भरने के लिए दवा नहीं चाहिए, राहों को मंज़िलों से कभी दूर नहीं कर पाओगे, मुश्किलों को देख कभी हार मान बैठ जाना नहीं चाहिए !!

- Aman

SOCIAL ACTIVITIES. (AICHE)



Department of Chemical Engineering, AISSMS College of Engineering Pune distributed food packets to the needy people of a village Joshi Vahir, Taluka Wai, Dist Satara on June 19, 2020. Mr. Pranav Pawar, a Committee member handed over these food packets to the distressed people of the village on behalf of AICHE Student Chapter. This is the second time when AICHE Student Chapter undertook this noble work in the times of COVID Pandemic to help people in some way. It was on May 10, 2020, this help was earlier extended to 27 families. This time, 12 poor families were given support as the funds accrued. The village administration thanked Student Chapter and AISSMS COE for this social responsibility.

“दरारो का सहारा बनो,
एक नया उजाला बनो.
आशा का पुंज न सही तुम,
सूनहरी फ़िरण बनो...।
बेसहारा का सहारा बनो,
खुद जरा कोमल बनो.
बेसहारो का सहारा बनो ,
श्रावण कु मार नही,
तुम खुद ही एक मशाल बनो.
दसरो का सहारा बनो” !!



INDUSTRY INSTITUTE INTERACTION

The AIChE student Chapter organized an INDUSTRY INSTITUTE INTERACTION Phase-I program on 5th Sept 2020.

The Program started with brief addresses by Dr P N Dange, Head of Department of Chemical Engineering and Dr D S Bormane, Principal, AISSMS COE Pune. First session was engaged by Mr Shripad Khataav. Managing Director of SS Techno, Pune. He started his talk by introducing the audience with Waste Water Treatment. He outlined the concept of Zero Liquid Discharge and made the session more interesting by sharing videos of operating ZLD plants. Mr S P Singh, VP at Praj Industries PVT LTD. Was the quest for second session. He started the session by giving an overview of flowchart of on what basis a chemical industry works and role of Chemical Engineers therein. The third session commenced with the talk by Mr B E Sonawane, Senior GM-HR & Admin at BILT GRAPHICS PAPER PRODUCTION Ltd. He spoke about the employability issues for freshers. He pointed out todays scenario about employment and EQ management. He further stressed on the need of communication skills. Last session for the day was taken by Mr Abhijit Natoo, Senior Vice President at Kansai Nerolac Paints Ltd. He talked on operation management, common issues on quality approach & SHE (Safety, Health & Environment). All the sessions were followed by Q & A round where students interacted with the industry bosses in length. More than 100 attendees from various Institutes joined the virtual program. The program was co-ordinated by Mr Dhairya P., Mr Mihir P., Mr Mohit R., Mr Darshan D. & Mr. Pranav K. Prof PM Warke, faculty co-ordinator of the event delivered vote of thanks to end the program.



ACHIEVEMENTS OF FACULTYs

Sucess Is Never Determined By Age,It is Determined By Experience Of Failures.....

During the first term of AY-2020-21 almost every faculty won a lot of international, national and many more awards and positions/responsibilities and the following are highlighted among them..

Dr. P.N. Dange the head of chemical engineering department and Prof. P. S Tadkar invited as Judge for National Conference Prakalp 2020 which was the proud movement for AISSMS family. Next achievement/ chair held by Dr. M.Y Naniwadekar who was invited as resource person at VIT Pune for National Level workshop- Artificial Neural Network in Chemical Engineering. Dr. A.S Jadhav was invited as Plenary speaker in 23rd International Conference on Nanotechnology and Nano-medicine Zurich Switzerland. The person who is always take actively responsibilities to coordinate various events Dr. S.B Ghugare was Invited as a Recourse Person and Delivered expert talks in the six days National Workshop on "Artificial Neural Network in Chemical Engineering" organized by ChESA, Vishwakarma Institute of Technology (VIT), Pune on 15/9/20 & 16/9/20. Another achievement is filed for Prof. P.S Tadkar as Subject Chairman for CRE II at University Level. Prof. P.M Warke had got chance to represent himself as Subject Chairman for CED II, SPPU, Pune (Examination October 2020). One of the most experimental person who always ready for helping instituion and students Prof.R.S Raut who produced 1000 Litres of ethanol for fight against COVID-19

"A man can be as great as he wants to be.
If you believe in yourself and have the courage,
the determination, the dedication,
the competitive drive and if you are willing
to sacrifice the little things in life and pay the
price for the things that are worthwhile,
it can be done." --*Vince Lombardi*

1. Program Specific Outcomes (PSO) and Program Outcomes (PO)

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.

1.

- **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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