



AISSMS
COLLEGE OF ENGINEERING

ज्ञानम् सफलजनविदाय
(Accredited by NAAC with 'A+' grade)



**DEPARTMENT OF
CHEMICAL
ENGINEERING,
AISSMS COLLEGE OF
ENGINEERING, PUNE-
411001**

**Cultivating greatness and
success among our students
since 1996**

Faculty

- Faculty members are from Institutes of repute (IITs, ICT, NCL)
- Seven faculty members are doctorates.
- Few faculty members have Industry and Research Experience
- Faculty members are invited as resource persons in conferences, seminars, workshops
- Good Number of research publications
- Some faculty members have filed Patents.

No.	Name	Qualification	Designation	Exp.(Years)
1	Dr. P. N. Dange	Ph.D.	Assoc. Prof. & Head	19
2	Dr. M. S. Deshpande	Ph.D.	Professor	28
3	Dr. A. S. Jadhav	Ph.D.	Asst. Professor	26
4	Dr. M. Y. Naniwadekar	Ph.D.	Asst. Professor	24
5	Ms. H. L. Kamble	ME	Asst. Professor	21
6	Mr. P. M. Warke	ME	Asst. Professor	26



7	Mr. K. B. Gandhi	ME	Asst. Professor	23
8	Dr. S. B. Ghugare	Ph.D.	Asst. Professor	23
9	Ms. K. N. Bawankar	ME	Asst. Professor	12
10	Mr. P. S. Tadkar	M. Chem. Engg.	Asst. Professor	10
11	Dr. M. Baingne	Ph.D.	Asst. Professor	5
12	Dr. K. Datir	Ph.D.	Asst. Professor	4



Dr. P. N. Dange conducted workshop on 'Unisim Simulation' for the students of Chemical Engineering



MOU between AISSMS COE, Pune and Reva Process Tech., Pune on 19/01/2021

About us

OUR VISION

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

OUR MISSION

- To prepare graduates for responsible positions in chemical industries, academia and research
- To prepare graduates to analyze and solve problems of chemical industries, academia and research
- To strengthen industry institute interaction to develop industry oriented attributes like attitude, soft skills, team work and leadership.

PROGRAMS OFFERED

- BE Chemical Engineering (Four year UG program) since 1996
- ME Chemical Engineering (Two year PG program) since 2011

SALIENT FEATURES

- Programs Affiliated to Savitribai Phule Pune University, Pune
- Approved by AICTE, New Delhi
- BE Chemical Engineering was provisionally accredited by NBA, New Delhi
- Well Qualified and Experienced Faculty Members.
- Well Equipped Laboratories
- Dedicated Project/Research Laboratory and Analytical Facility
- Computer Centre with Computational and Simulation Software (MATLAB, UNISIM, CHEMCAD, DWSIM, ANSYS and CAD)
- Compulsory 2/4 weeks Inplant Training in 2nd and 3rd Year for students, soft skill training every year.
- Induction on Project Based Learning, Compulsory Industrial Visits and Expert Lectures.
- All round development of students through technical, sports, cultural and social events (NSS, AIChE, IChE and IEI Student Chapters)
- Department produces University Rankers every year, Gold medalists in NPTEL Courses
- Research Publications & Patent Filing by Students & Faculty Members

LABORATORY & ANALYTICAL FACILITIES



LABORATORIES

- Heat Transfer
- Fluid Mechanics and Mechanical Operations
- Mass Transfer I and II
- Chemical Reaction Engineering
- Process Dynamics and Control
- Chemistry
- Software/Simulation Laboratory
- Project/Research Laboratory
- Central Research Laboratory



MAJOR EXPERIMENTAL & ANALYTICAL FACILITIES

- Mass spectrophotometer
- Gas chromatograph
- High performance Liquid chromatography
- Multiparameter water meter
- Microwave Reactor
- Ultrasound Reactor
- Bioreactor
- High Speed Centrifuge
- Solar Absorber
- Environment Discovery System



Research Laboratory



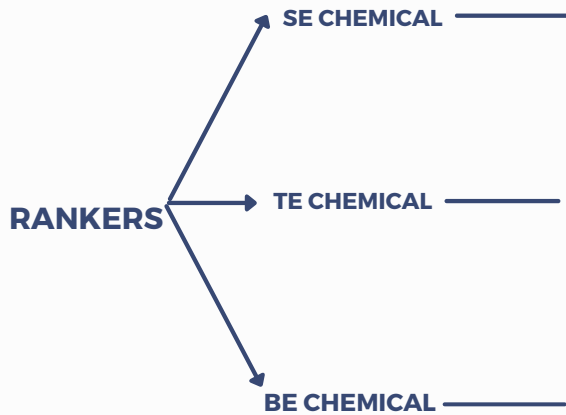
Mass Transfer Laboratory



Environmental Discovery System

DESIGN, COMPUTATIONAL & SIMULATION SOFTWARES

- MATLAB
- CHEMCAD
- UNISIM
- DWSIM
- ANSYS
- CAD



NAME	RANK
Sayyad Aman Gulab	1 st
Desadla Darshan Rajesh	2 nd
Parab Mihir Girish	3 rd

NAME	RANK
Borhade Hrutuja Nivrutti	1 st
Badhe Sharayu Sevkrum	2 nd
Darshale Shraddha Pandurang	3 rd

NAME	RANK
Sharma Rohit Dindayal	1 st
Erande Sameer Dnyaneshwar	2 nd
Jagtap Pratik Deepak	3 rd

RANKERS & ACHIEVEMENTS



ACHIEVEMENTS

- Total 67 University Rankers, 2 Gold Medalists since 2000
- 23 University Rankers, 1 Gold Medalist since 2012-13
- MOU's with 18 Industries.
- Industrial Training (Summer) for 130 students per year
- Average 9 Industrial Visits per year
- 8 funded Research Projects since 2012

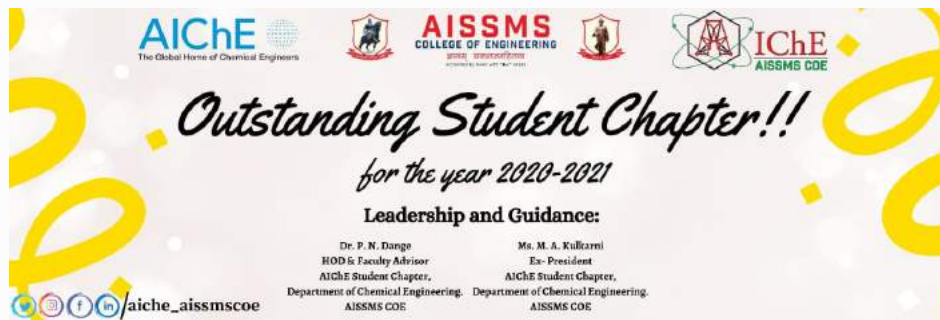


AICHE STUDENT CHAPTER

- Department of Chemical Engineering has recently established the American Institute Of Chemical Engineers Student Chapter.
- Under this chapter students are the one who organize various activities like Conferences, Webinars, Quizzes, Chem-E-Car, International Interaction, Social Work.
- This surely helps students to enhance their Resume, Skills, Personality & most importantly facilitates peers to connect all over the World.
- We currently have 62 active members in the Chapter.
- Recently, we received the Outstanding Student Chapter Award 2020-2021.



Food donation to poor during COVID-19 pandemic by AIChE student Chapter (May 2020)



International Interaction with AIChE UFRJ



Conducted essay competition in collaboration with AIChE ICT-IOCB



Mask and vaporizer Distribution in a village Kalyan, near Sinhgad by IEI Student Chapter

STUDENT CHAPTERS & COMPETITIONS

IEI STUDENT CHAPTER

- Institution of Engineers (India) [IEI] is a statutory body to promote and advance the Engineering and Technology.
- The Department Of Chemical Engineering established IEI Student Chapter in 2018.
- Various activities are arranged for the students which helps them enhance their skills, personality and also helps them to learn chemical software like UNISIM, DWSIM through the workshops.
- We currently have 35 members in the Chapter.



Aspen Workshop conducted by IEI Student Chapter

COMPETITIONS

- Department conducted various Quizzes & Competitions this year on different Online Platforms. Some of them are :-
- Quiz on Chemical Oriented subjects such as CRE, Heat Transfer & Chemical Process Technology.
- NUCLEAR CLOG :- Quiz on a scientific web-series "CHERNOBYL".
- Engineering Today - Paper Presentation, Poster Presentation & Quiz Competition on Basic Concepts

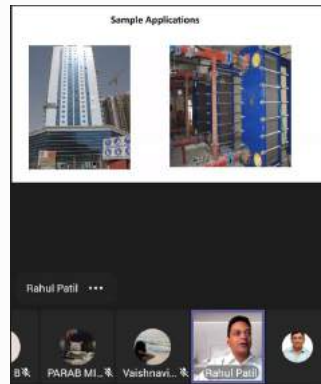
WEBINARS

Various webinars were conducted this year. Many professionals and researchers shared their experiences with the students. Such events help students to relate academic concepts to Industry oriented problems. Some of the webinars are :

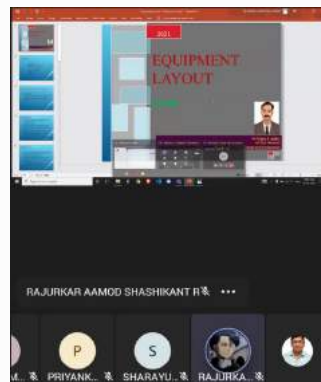
1. An overview of CFD (Computational Fluid Dynamics) and its Applications in Today's World
2. Writing an Effective Resume
3. Opportunities after BE in Chemical Engineering
4. Distillation Column Design & Sizing
5. CFD Analysis & Case Studies
6. Six Sigma
7. Piping Design & Engineering
8. ASPEN & Simulation



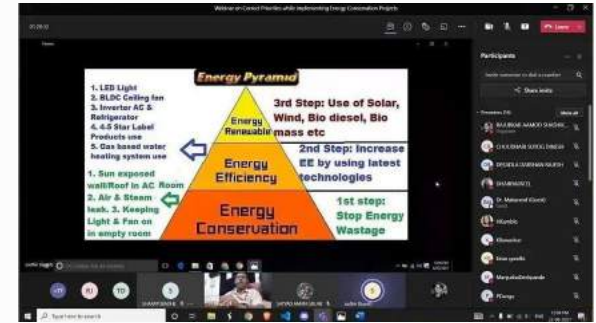
Mr. Satish Jadhav, Assistant Gen. Manager at L&T Power speaking on 'CFD Analysis & Case Studies'



Webinar on 'Design of Plate Heat Exchanger' by Industry Expert Mr. Rahul Patil, Dubai



Webinar on 'Equipment Layout' by Industry Expert Mr. Pravin Jedhe



Webinar on 'Correct Priorities while implementing Energy Conservation Projects'



Webinar on 'Job Opportunities in Japan'



Dr. Makrand Pimlapure, MD, Maksud Technologies Pvt. Ltd., Pune speaking on 'Process Intensification'

INDUSTRY - INSTITUTE INTERACTION



Shri Milind Talathi, whole time Director, ELANTAS Beck (I) Ltd. , giving Inaugural speech



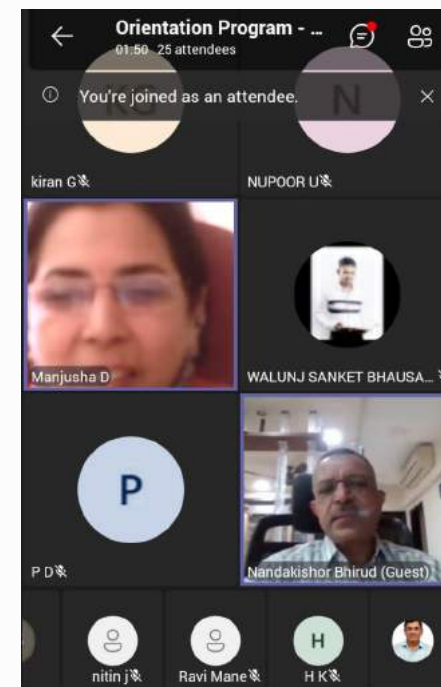
Shri Shripad Khatav, MD, SS Techno Ltd. addressing students virtually on 'ZLD'



Value added course on 'Process Design'



Shri A. G. Patil, Managing Partner, Synergy Process Systems, Pune, speaking virtually on 'Applications of Process Simulation'.



Industry Institute Interaction with Shri Nandakishor Bhirud, CEO, Azeocryst Organics, Mumbai

INDUSTRIAL VISITS



**Industrial Visit at Om Heat Treatments,
Bhosari, Pune**



**Industrial Visit at Polychem, MIDC
Pirangut, Dist. Pune**



**Industrial Visit at BILT Graphic Paper
Product Ltd., Unit Bhigwan, Tal. Indapur,
Dist. Pune**



**Industrial Visit at Ross Boilers India,
Burhani Industrial Estate, Kondhwa Bk.,
Pune**



Industrial Visit to PCMC's WTP at Nigadi



Industrial Visit to DMCC Ltd., at MIDC Roha

SPORTS & CULTURAL ACTIVITIES



Inter-department Basketball & Football matches



Girls team of Chemical department won the first prize - Inter-departmental Football



Students taking part in the cultural event - Shivanjali

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