

**IChE Student Chapter Report, Department of Chemical Engineering,
KKWIEER, Nashik**

IChE Chapter details:

- IChE Chapter is established by the department.
- Approval has been received from IChE Head Quarter, Kolkata. (*Approval Letter No. Ref: AG / C-2 /2020 / 375 Dated 08th November 2021*)
- Dr. Yennam Rajesh is nominated as coordinator of the chapter.
- Various activities conducted through IChE student Chapter:
 - Lecture Series by Experts from Reputed IITs, NITs, Central Universities and Industrial Experts etc.
 - Chem Fests (Technical Quizzes, Poster and Paper Presentations etc.)
 - Students Interactions with Industrial Experts.
 - Online Start-up Training Program: An Internship (at IChE)

Details of activities conducted through IChE student Chapter:

Sr. No.	Date	Activity Title	Resource Person with address	No. of Participants attended
1.	08/10/25	Piping Layout and pump selection: Field Practices	Mr. Tushar Pande, Head of Application Development, TechCovers Applications, Nashik.	50
2.	09/10/25	Hydrogen Generation	Mr. Rahul Patil, Process Engineer, Cata Pharma Pvt. Ltd., Nashik.	30
3.	14/10/25	Renewable Energy and it's Importance in chemical engineering	Mr.Pramod Daspute, Energy Auditor, Nashik	32
4.	16/10/25	Role of Chemical Engineers in Global Automation and Technology Firms	Mr. Rahul Mane, Engineering Manager, Emerson Industrial Software, Pune	103
5.	3/11/25	Overview of unit operations used in chemical process industries	Dr. Rajeev Parmar, Department of Chemical Engineering, MANIT Bhopal	35
6.	17/11/25	Hydrogenation of Eugenol to 4-propylcyclohexanol using Ru-based catalyst and to study the reaction kinetics	Dr.Satyam Naidu Vasireddy, Sr.Scientist, CSIR-NCL Pune	40

7.	08/01/26	Higher Education & Career Opportunities in Abroad	Abroad Education Guidance, Study Smart, Nashik	41
8.	10/01/26	Innovation and Start-up	Mr. Niraj Kulkarni, Director, Catharsis F&V, Pimpri Chinchwad, Maharashtra	42
9.	12/01/26	Project Engineer Role in Chemical Process Industries	Mr. Ishwar Pardesi, Head of Project and Technical Services, Graphite India Ltd., Nashik	70
10.	21/01/26	Career Guidance Session for SY and TY students	Mr. Sohil Shah, Director, Career Launch, nashik	70
11.	21/01/26	Start-up and Entrepreneurship	Avinash Ekhande, Founder & CEO at Ekhande Agro, Nashik	70
12.	22/01/26	Motivational Talk for First-Year Engineering Students	Mr. Dattatraya Aher, Former ITI Principal, Motivational speaker	60
13.	24/01/26	Process modelling utilization in chemical industries using ansys fluent	Mr. Chetan V. Patil, Application Engineer, ARK solutions Pune	35
14.	16/02/26	1. Gate Awareness Session 2. Research prospects in CO ₂ Capture	Ms. Hetansha Boricha, PhD Scholar, University of Sydney, Australia	40
15.	12/03/26	Process Intensification	Prof. VG Pangarkar, Retired Professor, ICT Mumbai	45
16.	07/04/26	The Evolving Role of Chemical Engineers in the Hydrogen Technology Sector	Ms. Swapnali Wagh, Sr. Manager, Hydrogen & Carbon. Reliance, Mumbai	71
17.	09/04/26	Overview of CO ₂ Capture and Emissions from Chemical Industries	Dr. Sunil Misal, Department of Chemical Engineering, PREC Loni	45
18.	16/03/26	The Next Generation Fuel: Hydrogen	Sarven Marathe, Pursuing MS at HOF University, Germany	78
19.	11/04/26	Entrepreneurs Mind-set	Prof. B.N. Thorat, Sr. Professor, ICT Mumbai	70
20.	17/04/26	Chemical Engineering Opportunities at Abroad Universities	Mr. Jai Shah, Alumni, MS at Prudue University, USA	57

21.	08/10/25	AI Applications in Green and Sustainable Chemical Engineering	Ms. Ankita Patwa, Environmental Engineer at Foxconn USA	52
22.	09/10/25	Machine Learning for Materials and Catalyst Design	Pramod Deshmukh, HOD of Asian Academy of Professional Training India Pvt. Ltd, Pune	55
23.	14/10/25	Utilization of Material and Energy Balance Calculations in Chemical Industries	Mr. Tushar Pande, Head of Application Development, TechCovers Applications, Nashik.	55
24.	16/10/25	Role of Communication Skills in Technical Interview Preparation	Mrs. Shreya Pandey, Counsellor	45
25.	3/11/25	Key skills required in chemical Industries	Mr. Smital More and Ms. Nidhi Singh	48
26.	17/11/25	Aptitude Test Trainer	Dr. Kiran N. Derle	51
27.	08/01/26	Manufacturing of H ₂ SO ₄ using Haber Process	Prof. VG Pangarkar	58
28.	10/01/26	Awareness on Abroad Opportunities	Mr. Beyond Mentors	37
29.	12/01/26	Chemical Engineers in Industry	Dr. Balu S. Uphade	37
30.	21/01/26	Smart Process Control: Enhancing Efficiency through Automation	Ms. Saloni Panchal, Alumni	70
31.	21/01/26	Seminar for Engineering Students	Prof. Pavan Totla and Prof. Kiran Nalwade	49

Detailed Information of IChE Lecture Series



IChE Lecture Series

Expert Talk on



**Hydrogenation of eugenol to 4-propylcyclohexanol
using Ru-based catalyst & to study the reaction kinetics**



Dr. Satyam Naidu Vasireddy

Sr.Scientist

CEPD Division

CSIR-NCL-Pune, Maharashtra, India

Google Meeting details are following:

<https://meet.google.com/qih-mfjm-lxp>

Date and Time: 26.08.2025 & 11.00 AM onwards...

Organized by

**Department of Chemical Engineering
K.K. Wagh Institute of Engineering Education and
Research, Nashik-Maharashtra-422003**

Our Inspiration



Padmashree Late
Kakasaheb Wagh



K K Wagh

K. K. WAGH EDUCATION SOCIETY'S
K. K. WAGH INSTITUTE
OF ENGINEERING EDUCATION & RESEARCH, NASHIK

Founder and Visionary



Late Hon. Balasaheb
Wagh

AN AUTONOMOUS INSTITUTE FROM A.Y. 2022-23.
AFFILIATED TO SPPU, PUNE

ACES- IICHe- Expert Lecture Department of Chemical Engineering

Expert Name: Prof. B. N. Thorat, Sr. Professor ICT Mumbai

Topic Name: The Mindset of an Entrepreneur



Nashik, Maharashtra, India

Panchavati, Nashik, Maharashtra 422006, India

Lat 20.014292, Long 73.823102

Saturday, 10/01/2025 03:10 PM GMT+05:30

Note: Captured by GPS Map Camera



Programs (PG)

M.Tech-E&TC (VLSI and Embedded Systems),

M.Tech-Civil (Structures), MBA, MCA,

M.Tech-Electrical (Power Systems),

Ph.D programs also available

Programs (B.Tech)

Computer Science and Design,

AI & Data Sciences, Robotics & Automation,

Chemical, Mechanical, E&TC, IT, Computer,

Civil, Electrical

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ACES- IICHe- Expert Lecture: Department of Chemical Engineering

Expert Name: Ms. Ankita Patwa, Environmental Manager, Foxconn Company, USA,

Topic Name: AI Applications in Green and Sustainable Chemical Engineering



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AN AUTONOMOUS INSTITUTE FROM A.Y. 2022-23.
AFFILIATED TO SPPU, PUNE

ACES- IICHe- Expert Lecture: Department of Chemical Engineering

Expert Name: Mr. Tushar Pandey, Head of Application Development and Partner
@TECHCONVERSE APPLICATIONS

Topic Name: Utilization of Material and Energy Balance Calculations in Chemical Industries



GPS Map Camera

Nashik, Maharashtra, भारत 🇮🇳

Hirabai Haridas Vidyanagari, Mumbai Agra Road Amrutdham,
Panchavati, Nashik, Maharashtra 422003, भारत

Lat 20.01402° Long 73.822839°

गुरुवार, 22/01/2026 01:42 PM GMT +05:30



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Chemical, Mechanical, E&TC, IT, Computer,
Civil, Electrical

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CHEMFEST 2K26



Report

The ChemFest-2K26 at the Chemical Engineering Department of K. K. Wagh Institute of Engineering Education and Research, Nashik, was a much-anticipated event held on the 27th and 28th of March 2026, dedicated to showcasing cutting-edge advancements and research in chemical engineering. The event served as an invaluable platform for students, faculty, and industry professionals to share knowledge, spur innovation, and cultivate meaningful collaborations. This report encapsulates the key activities, competitions, and notable achievements of this dynamic event.

Event Highlights

Inauguration

ChemFest-2K26 kicked off with an inspiring Inaugural Ceremony featuring **Mr. Sameer Patwa, CEO of Sam Enviro, Nashik**, who brought valuable industry expertise and shared insightful thoughts on emerging trends in chemical engineering. He emphasized the importance of innovation, sustainability, and interdisciplinary collaboration between academia and industry. The event was graced by **Dr. Suyog Jain Sir, HOD, Chemical Engineering Department, K.K.W.I.E.E.R.**, **Dr. Yennam Rajesh, ACES Coordinator**, along with all faculty members and students of the department. The ceremony was smoothly anchored by **Akanksha & Gauri**, adding energy and professionalism to the event. The dignitaries encouraged participants to actively engage in the event and utilize the platform for learning and innovation, setting an inspiring tone for ChemFest-2K26.



Paper Presentations (Hybrid Mode)

The Technical Paper Presentation competition at ChemFest-2K26 was held on the event's first day. Offline Paper Presentation was conducted followed by Online Paper Presentation. Esteemed judge for the event was **Dr. P. L. Pangarkar Sir**, along with **Dr. Neha B. Gautam Mam** and **Dr. Gaurav B. Daware Sir**, faculty members from the Chemical Engineering Department. Students and researchers showcased innovative findings across diverse areas such as process optimization, renewable energy, environmental engineering, and advanced materials. Interactive Q&A sessions followed each presentation, fostering engaging intellectual discussions. The Offline and Online Paper Presentation sessions were anchored by **Tanushree, Pavira, Atharva, Harkeerat, and Ketaki**, ensuring a smooth and engaging experience. This event provided a platform for knowledge sharing and exploration of cutting-edge advancements in chemical engineering and related fields.

Name of the event	Paper Presentation (Online /Offline)
Date of the event	27/03/2026
Chief guest or judges	Dr. P. L. Pangarkar Sir
Coordinator's	Head: Govinda Gosavi Co-head: Sayali Avhad Faculty Coordinators: 1) Dr. G. B. Daware 2) Dr. N. B. Gautam



Project-Expo

Students enthusiastically presented and demonstrated a fascinating array of models reflecting their project topics during the exhibition. The showcased models were highly innovative and provided valuable insights into various projects. Participants explored a diverse spectrum of chemical engineering disciplines, including process design and optimization, renewable energy technologies, environmental engineering solutions, materials science innovations, and advancements in biotechnology.

The exhibition served as an interactive platform where visitors engaged with the students, delving into the intricacies of their projects and gaining deeper insights into the multifaceted applications of chemical engineering. The event was judged by **Ms. Manjiri Gholap**, who brought her expertise to evaluate and appreciate the ingenuity and technical prowess demonstrated by the students.

Name of the event	Project Expo
Date of the event	28/03/2026
Chief guest or judges	Ms. Manjiri Gholap
Coordinator's	Head: Tanvi Sakpal Co-head: Vivek Ambre Faculty Coordinators: 1) Prof. Z. K. Deshmukh 2) Dr. Prashant Kumar



Technical Quiz

The technical quiz event, featuring around 33 participants, comprised two engaging rounds aimed at testing and enhancing technical knowledge and aptitude. The initial written test challenged contestants with 30 questions covering aptitude and general knowledge, followed by a buzzer round for the top 10 finalists. Led by anchor **Srushti Gosale**, this high-energy round rewarded quick thinking with 5 points for correct answers and deducted 2.5 points for incorrect responses, emphasizing both speed and accuracy. The event not only showcased participants' skills but also fostered a dynamic learning environment, underlining the importance of continuous intellectual growth within academic communities.

Name of the event	Technical Quiz
Date of the event	27/03/2026
Coordinator's	Head: Mahek Parihar Co-head: Vedika Kapadnis Faculty Coordinators: 1) Dr. R. Ravula 2) Prof. Ritul M. Chaudari



CAD Mania

CAD Mania, a key event within the Chemfest 2026 celebrations, hosted by the chemical department, is a 3D modeling competition designed to challenge participants' technical expertise and design skills. The event held on 27th of March 2026, provides a platform for students to showcase their proficiency in CAD modeling and problem-solving. This online event emphasizes design creativity, functionality, and presentation. Participants submit their designs and presentations, which are then evaluated by judges. The event aims to foster innovation and provide students with valuable experience in CAD software and design principles.

Name of the event	CAD MANIA
Date of the event	27/03/2026
Coordinators	Head: Krishna Chavanke Co-head: Mansi Chitte Staff Coordinator: Prof. S. N. Derle



Roadies

The Roadies event at Chemfest 2026, held on March 2026, injected a high-energy, competitive spirit into the festival. Inspired by the popular reality TV show, this event likely featured a series of challenging tasks designed to test participants' physical and mental resilience. Competitors could have faced obstacles, puzzles, and team-based activities, demanding teamwork, problem-solving, and a strong competitive drive. This event provided a thrilling break from traditional academic activities, fostering camaraderie and a sense of adventure among the students.

Name of the event	Roadies
Date of the event	28/03/2026
Coordinators	Head: Manav Rathod and Khushi Gajbhiye Co-head: Shubham Rathod and Sneha Mukunde Faculty Coordinator: Prof. V. N. Mawal



Open Talent Show

The Open Talent Show, a vibrant and diverse event held on March 28th at Chemfest 2026, provided a platform for the students to showcase their non-academic talents. The stage came alive with a variety of performances, including energetic dance routines, soulful singing, humorous mimicry, witty stand-up comedy, captivating instrumental music, and engaging drama skits. This event offered a welcome break from the technical focus of the festival, highlighting the students' creative and artistic abilities. It fostered a sense of community and celebration, allowing individuals to express themselves and entertain their peers, making it a memorable part of the Chemfest 2026 experience.

Name of the event	Open talent show
Date of the event	28/03/2026
No. of participants	25
Coordinators	Head: Shravani Pisolkar Co-head: Sanchi Jadhav Staff Coordinator: Prof. T. B. Mahale



E-Sports

The E-Sports event, held during ChemFest-2026, challenged participants' strategic thinking, teamwork, and gaming skills. This event featured intense virtual battles where players competed in fast-paced matches designed to test reflexes, coordination, and decision-making abilities. Competitors engaged in a highly competitive environment, striving to outperform their opponents through effective strategies and teamwork. The Esports event provided an exciting and engaging experience, fostering a spirit of healthy competition and collaboration among students, while offering a modern and entertaining addition alongside the festival's other activities

Name of the event	Mind Game
Date of the event	28/03/2026
Co-ordinators	Head- Jignesh Sonawane Co- head – Ayush Gorle Staff Coordinator- 1) Prof. Ritual Chaudhari 2) Mr. A. D. Vaidya

Arm Wrestling

The Arm Wrestling event engaged participants in an exciting display of strength, determination, and competitive spirit. Participants competed against one another in intense matches, testing their physical power, endurance, and confidence. The event created a thrilling atmosphere as students cheered for their peers, adding energy and enthusiasm to the competition. This event promoted sportsmanship, healthy competition, and interaction among students. Participants relied on their strength, focus, and strategy to outperform their opponents and advance to the final rounds. The event provided a fun and engaging platform for students to showcase their physical abilities and competitive spirit.

Name of the event	Arm wrestling
Date of the event	28/03/2026
Co-ordinators	Head- Aditya Bhalerao Co- head – Poonam Bedade Staff Coordinator- 1) Prof. P. P. Joshi 2 Mr. A. S. Nathe



Valedictory Ceremony

Mr. Chetan Malwe, Director from **Rohiba Industries, Nashik**, has left a significant impact on our institution and graced the Valedictory Ceremony. **Chemfest-2K26** was a resounding success, with over **400 participants**, including 70 from external colleges in India. **Gunjan Jain** and **Avani Jadhav** captivated the audience as the event's **anchors**, while Gunjan Jain eloquently introduced our esteemed Chief Guest **Mr. Chetan Malwe**. **Dr. Yennam Rajesh** concluded the event with a gracious **Vote of Thanks**, acknowledging the efforts of all participants and contributors. We extend our heartfelt gratitude to everyone who made **Chemfest-2K26** a memorable experience.





K. K. Wagh Institute of Engineering Education and Research, Nashik
Department of Chemical Engineering
under the aegis of the Indian Institute of Chemical Engineers (IIChE)



ACES Committee

