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Convenors

Dr. S. Vishali
Head of the Department, Chemical Engineering, SRMIST

Dr. S. Kiruthika / Dr. K. Deepa
Assistant Professor(s), Chemical Engineering, SRMIST

Faculty Coordinators

Dr. K. Sofiya / Dr. E. Poonguzhali / Dr. G. Keerthiga
Assistant Professor(s), Chemical Engineering, SRMIST

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SRMIST CHEMFLUX @chemflux_srm

Registration Details

Registration fee is mandatory for all the participants that covers a reference kit and refreshments. The registration fee should be paid via online portal. Scan the QR code to register for our events.

Register for our events

https://forms.gle/VM6ubt1DRbi55R4w5

Technical Events	Registration Fees (INR)
Paper presentation	200
Poster presentation	200
Debate	150
Ideathon	200
Exhibition	200
Combo (Any 2 events: Paper/Poster presentation + Debate/ Ideathon/Exhibition)	300

Non-Technical Events	Registration Fees (INR)
Cricket	1600
Badminton	100
Crime Scene	150
E sports	100
Treasure hunt	150
Photography	100
Videography	150
Combo (Any 3 events excluding Cricket)	300

Account Details

Account Name: CHEMICAL ENGG SRMIST
Account Number: 7111751087
Bank Name: Indian Bank
IFSC CODE: IDIB000S181
Branch: SRM University, Kattankulathur, SRM Nagar, Potheri

NAAC A++ | Category 1 with 12B Status | (2024) 12th Ranked University | (2025) World Ranking one among 46 Indian Universities | (2024) World Ranking one among 91 Indian Universities | VERY GOOD QS 4 Star Rated Globally | (2024) World Ranking Ranked 5-7 in Indian Universities

SRM INSTITUTE OF SCIENCE & TECHNOLOGY (Deemed to be University u/s 3 of UGC Act, 1956)

INSTITUTION'S INNOVATION COUNCIL (Ministry of Education Initiative)

B. Tech. Chemical Engineering Program accredited by the National Board of Accreditation (NBA) for three years - till June 2027

Department of Chemical Engineering
College of Engineering and Technology
SRM Institute of Science and Technology
Kattankulathur - 603 203
Chengalpattu District, Tamil Nadu, India

Organizes a

TWO DAY

NATIONAL LEVEL STUDENTS TECHNICAL SYMPOSIUM

CHEMFLUX 12.0

Create, Enhance & Sustain

Based on the theme

AI in Chemical Engineering

on

20th & 21st March 2025

https://www.srmist.edu.in/department/department-of-chemical-engineering

About the Institution

SRM Institute of Science and Technology is one of the top ranking Universities in India with over 52,000 full time students and more than 3200 faculty across all the campuses – Kattankulathur, Ramapuram, Vadapalani Campus – all in and around Chennai, Tiruchirappalli (in TN), Modinagar (in UP) & Sonepat (in Haryana) – both of which are located near Delhi NCR, Amaravati (in AP), Gangtok (in Sikkim) – offering a wide range of undergraduate, postgraduate and doctoral programs in six Faculties – Engineering & Technology, Management, Medicine & Health sciences, Science & Humanities, Law and Agricultural Sciences. SRMIST has been accredited by NAAC with the Highest 'A++' Grade in the year 2024. QS, the world renowned international ranking agency, has rated SRMIST as 'Four Star', Institute and QS-IGAUGE has awarded Diamond Rating to SRMIST. SRMIST is classified as Category I University by UGC/MHRD and enjoys 12B status under UGC Act.

About the Department

The Department of Chemical Engineering was established in 1995 as part of SRM Engineering College, and started functioning under SRM Institute of Science and Technology (Deemed to be University) from the academic year 2003 – 2004. The department offers B. Tech., M. Tech., and Ph.D. programs. The B. Tech. in Chemical Engineering is accredited by the National Board of Accreditation (NBA) for three years, from July 2024 to June 2027. The department has highly qualified faculty members from prestigious institutions with extensive experience in both academia and industry. Students are prepared for a wide range of career opportunities in industries such as refineries, fertilizers, pharmaceuticals, food processing, water treatment, environmental services, safety, energy, and IT-enabled sectors. To ensure students are up-to-date with technological advancements, the department regularly revises its curriculum, integrating core chemical engineering concepts with industry needs. This approach equips students with modern tools and sophisticated instrumentation, enhancing their career prospects in the field.

Vision

Utilize Chemical Engineering and Technology to ensure overall socio- economic growth, welfare, and progress of Indian society and the World-at- large by supporting Academia, Industries through Research and Development, Consultancy and graduating high-quality Chemical Engineers.

Mission

To facilitate high quality education, well grounded in the fundamental and applied areas of engineering necessary for learners to contribute effectively to chemical and allied industries.

To educate, prepare, inspire and mentor learners with the technical and professional skill - set necessary to excel as professionals, grow in their careers and contribute to chemical engineering science and technology.

To inculcate social - responsibility in learners and train them to contribute effectively to science and society.

About Chemflux

Chemflux is the annual national-level technical students symposium organized by the Department of Chemical Engineering, SRM Institute of Science and Technology, since 2014. This prestigious event serves as a dynamic platform for students across the country to showcase their innovative ideas, compete, and win exciting prizes. With a new and thought-provoking theme every year, Chemflux challenges young minds to address real-world challenges through technical paper presentations, hands-on workshops, and engaging non-technical activities. The symposium also features insightful lectures by industry experts, inspiring the next generation of engineers and scientists. Designed to encourage maximum participation from students across all engineering and science disciplines, Chemflux is more than just a symposium—it's an opportunity to learn, compete, and innovate. Join us in this celebration of knowledge, creativity, and technical excellence!

Why AI in Chemical Engineering?

Artificial Intelligence is reshaping the future of Chemical Engineering by enabling automation, enhancing efficiency, and driving sustainability. From optimizing complex chemical processes to improving environmental impact, AI-driven solutions offer a data-centric approach to engineering challenges. AI assists in real-time decision-making, reducing waste, increasing safety, and lowering operational costs. With its ability to process massive datasets, AI is making chemical production smarter and more resilient. As industries transition toward a digital era, integrating AI is no longer an option but a necessity.

The future of AI in Chemical Engineering is limitless—now is the time to explore its potential!

Call for Papers

The theme of this edition is "Artificial Intelligence in Chemical Engineering", highlighting the transformative role of AI in revolutionizing the chemical industry and emphasising AI driven technologies in Modern chemical process. Original research contributions are solicited for presentation at CHEMFLUX 12.0. The topics of interest include:

1) AI in safety and hazard prediction

2) Smart sensors and data analytics for process control

3) Quality control of products using AI

4) Applications of AI in molecular design and drug delivery

5) Environmental impact and emission reductions using AI

6) AI and Machine learning in smart waste management

7) Design of new catalysts with enhancing properties using AI

8) AI in IoT-Enabled Smart industrial Plants

9) AI in Renewable Energy Integration for Industrial Processes

10) Other topics related to Chemical Engineering

Guidelines for Abstract Submission

The main text and references for the abstract must be typed using Times New Roman, font size 12, and 1.15 line spacing. The abstract must not exceed 300 words. Abstracts should be submitted by E-mail to chemflux10@srmist.edu.in.

Last date for registration: 15th March 2025

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