

ABOUT THE CHEMICAL ENGINEERING DEPARTMENT

- **Programs Offered:**
 - B.Tech in Chemical Engineering
 - M.Tech in Environmental Science & Technology
- **Recognized as a research center by Anna University, Chennai**
- **Faculty:**
 - Doctoral Qualifications/ Post Doctoral Research Experience in Specialized Chemical Engineering Fields
- **Facilities:**
 - State-of-the-art laboratories
 - CoE - Water Research
 - Carbon Capture and Utilization
 - Process Intensification
 - Green Solvent Development
 - Software: ChemCAD, ANSYS, AspenPlus, COMSOL, MATLAB
- **Research Grants:**
 - DST Govt. of India Research Funding Worth Rs. 3.36 Crores
 - Industrial Consultancy Worth Rs. 83.6 Lakhs
- **Events Organized:**
 - International Conferences (Every February)
 - National Level Students Symposium "INVENTE" (Every August)
 - STEER National Conference
- **Workshops on:**
 - Pollution Control, ChemCAD, CFD, MATLAB, Nanotechnology, Energy, Carbon Capture, Green Solvent etc.
- **Research Focus Areas:**
 - Abatement of Water Pollution
 - Nanotechnology
 - Post Combustion CO₂ Capture process
 - CO₂ Conversion and Utilization
 - Process Development
 - Clean Coal Technology
 - Process Intensification
 - Green Solvent Development
 - Molecular Modeling
 - Other Novel Fields

ABOUT SSN COLLEGE OF ENGINEERING

- Founded by Dr. Shiv Nadar, Chairman of HCL Technologies Ltd., and a pioneer in IT.
- It reflects the ideals of its founder, who aimed for excellence in academics and research.
- Governance facilitated by:
 - Mr. Sundar Mahalingam, Chairman, SSNCE
 - Dr. S. Radha, Principal, SSNCE
- **Campus and Facilities:**
 - Established in 1996
 - The sprawling campus of 250 acres
 - Over 1.8 million square feet of built-up area
 - Aesthetically designed buildings and a technology-driven learning environment
 - Student Strength ~ 4800 (including 537 Ph.D. Scholars)
 - 240 well-qualified and committed faculty
 - Technology-Enabled Learning
- **Programs Offered:**
 - **Undergraduate (B.E. / B.Tech. in):**
 - Chemical Engineering
 - Electrical and Electronics Engineering
 - Electronics and Communication Engineering
 - Computer Science and Engineering
 - Information Technology
 - Biomedical Engineering
 - Mechanical Engineering
 - Civil Engineering
 - **Postgraduate in 9 Engineering Disciplines**
 - **MBA**
- **Admissions and Scholarships:**
 - Based purely on merit
 - Over 15% of students receive scholarships worth Rs. 4 crores annually
- **Accreditations and Awards:**
 - Certified with ISO 9001:2015
 - Programs accredited by the NBA
 - Awarded Grade A+ by NAAC
 - Ranked 47th among all engineering colleges in India by NIRF, MHRD (2025)
 - Consistently a top performer among colleges affiliated with Anna University



**10th International Conference
on
Recent Advancements in
Chemical, Environmental, and
Energy Engineering
(RACEEE 2026)
February 2nd & 3rd, 2026
Organized
by
Department of Chemical Engineering
Sri Sivasubramaniya Nadar College of
Engineering, Chennai, India**

THEME OF THE CONFERENCE

The theme of the RACEEE 2026 conference is "Ignite, Inspire, and Innovate Novel Technology in Chemical, Environmental, and Energy Engineering for Sustainable Future Development" to promote young minds and their research abilities by providing an International platform to interact with the experts in the field of Chemical, Environmental and Energy Engineering. This event is planned to explore and enlighten different applications in the following fields:

• Chemical Engineering:

- Transport Processes
- Chemical Reaction Engineering
- Thermodynamics
- Process Modeling and Simulation
- Nanotechnology / Nano-composites
- Novel Separation Techniques
- Biotechnology / Biochemical / Enzyme / Biomedical Engineering
- Computational Fluid Dynamics (CFD)
- Process Control Strategies / Process Safety and Optimization
- Food Processing Technology
- Material Technology
- Polymer Engineering
- Computer-Aided Design
- Fluidization Engineering
- Process Intensification / Catalysis / Photo Catalysis
- Micro-fluidics
- Colloids and Interfacial Engineering / Particle Technology
- Drug Delivery
- Fertilizer / Pulp / Textile / Leather Technology
- Metallurgical and Manufacturing Technology
- Sustainable chemical process
- Circular economy in chemical engineering
- AI in chemical engineering
- Hydrogen production and utilization

• Environmental Engineering:

- Wastewater Treatment
- Bioremediation
- Adsorption and Biosorption
- Physico-Chemical Treatment Methods
- Environmental Impact Assessment
- Advanced Oxidation Process
- Air Pollution Control/ Solid Waste Management
- CO₂ Capture Process / Solvent Development / Solvent Regeneration Techniques
- Climate change mitigation strategies/ Carbon neutral technologies
- Life cycle assessment (LCA)
- Ecology and Mitigation Engineering
- Population Studies
- Green Technology / Sustainable Development
- Clean Coal Technology

• Energy Engineering:

- Petroleum Engineering
- Renewable and Non-Renewable Energy
- Fuels and Combustion
- Bio-refinery / Biomass / Bio-energy / Biomass Utilization
- Energy Storage and Conversion
- Nuclear Engineering
- Energy Conservation / Waste to Energy
- Thermal Engineering
- Pinch Technology
- Fuel Cell / Microbial Fuel Cell
- Coal Gasification / Coal Liquefaction
- Supercritical Fluids
- Advance material for energy engineering

Important Dates:

Last date of receipt of abstract:
10th January 2026

Notification of acceptance of abstract :
15st January 2026

Receipt of full-length paper :
20th January 2026

Last Date for Registration: 20st January 2026

Selected papers will be peer-reviewed and published in the International SCOPUS INDEXED JOURNALS in a Special Issue.

Plenary Speakers-RACEEE2026



Prof. Farihausnah Hussin
Sunway University,
Malaysia



Dr. Saitova Alexandra Alexandrovna
Peter the Great Saint Petersburg
Polytech University, Russia.



Prof. Tamal Banerejee
Indian Institute of Technology
Guwahati, India.



Prof. Ramesh Laxminarayanan Gardas
Indian Institute of
Technology Madras, India.

ORGANISING COMMITTEE

• CHIEF PATRON

- Padma Bhushan Dr. Shiv Nadar, Founder, SSN Institutions

• PATRON

- Mr. Sundar Mahalingam, Chairman, SSNCE
- Prof. S. Radha, Principal, SSNCE

• GENERAL CHAIRS

- Dr. P. Ramasamy, Dean of Research, SSNCE

• CONFERENCE CHAIR

- Dr. K. Sathish Kumar, Head, Dept. of Chemical Engg.

• CONVENORS

- Dr. R. Anantharaj
- Dr. D. Gnana Prakash
- Dr. J. Dhanalakshmi
- Dr. Anup Kundu

• PROGRAMME COMMITTEE

- Dr. V. Jaikumar
- Dr. Ambedkar Balraj
- Dr. Nalinkanth V Ghone
- Dr. D. Balaji
- Dr. B. Chitra
- Dr. Sethil Rathi
- Dr. Saroj Kumar Panda
- Dr. Barnali Bhui
- Dr. N. Sirisha

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- **Prof. Debbie Silvester**, Curtin University, Australia.
- **Prof. Anna Martinelli**, Chalmers University of Technology, Sweden.
- **Prof. Pabitra Choudhury**, New Mexico Tech, USA.
- **Prof. Boelo Schuur**, University of Twente, Netherlands.
- **Prof. Suojiang Zhang**, Henan University, China.
- **Prof. Patrick Cognet**, National Polytechnic Institute of Toulouse, France.
- **Prof. Mohamed Kheireddine Aroua**, King Fahd University, Saudi Arabia.
- **Prof. Rozita Binti Yusoff**, University of Malaya, Malaysia.

National Advisory Committee

- **Prof. Tamal Banerjee**, Indian Institute of Technology Guwahati, India
- **Prof. Pugazhenth Gopal**, Indian Institute of Technology Guwahati, India
- **Prof. Ramagopal V. S. Uppaluri**, Indian Institute of Technology Guwahati, India
- **Prof. Kannan Pakshirajan**, Indian Institute of Technology Guwahati, India
- **Prof. Muthukumar Palanisamy**, Indian Institute of Technology Tirupathi, India.
- **Prof. Anki Reddy Katha**, Indian Institute of Technology Tirupathi, India.
- **Prof. Ramesh L. Gardas**, Indian Institute of Technology Madras, India.
- **Prof. Anil Verma**, Indian Institute of Technology Delhi, India.
- **Prof. Ethayaraja Mani**, Indian Institute of Technology Madras, India.
- **Prof. Gopinath Packirisamy**, The Indian Institute of Technology Roorkee, India.
- **Prof. Matheswaran Manickam**, National Institute of Technology Tiruchirappalli, India.
- **Prof. Avijit Ghosh**, Heritage Institute of Technology, Anandapur, Kolkata, India.

- **Prof. Vengapattu Thangavelu Perarasu**, Anna University, Chennai, India.
- **Mr. Ravikumar Periyasamy**, Head of Marketing and Solutions & R&D, RHI Magnesita, India.
- **Mr. Manoj Kumar Rout**, Vice President of R&D and Technical Marketing, Flow Control, RHI Magnesita Rajasthan, India.
- **Dr. Abhishek King**, Sr. Manager, RHI Magnesita, India.

Registration Fee per Person:

International Participants:	USD 300/-
UG & PG Student	INR 2500/-
Full-time Research Scholar	INR 3000/-
Academician/Scientist	INR 4000/-
Industry Personnel	INR 6000/-

The hybrid mode of presentation is acceptable

For registration and other details, visit

www.ssnraceee2026.in

[The registration fee does not include the accommodation.

Accommodation at the Institute can be arranged on a first-come, first-served (FCFS) basis.

Mode of Payment

- Demand Draft

Payment should be made through a Demand Draft, drawn in favor of "The Principal, SSN College of Engineering," payable at Chennai.

- Online Payment

Account Holder's Name: The Principal, SSN College of Engineering

Bank Name: Tamilnad Mercantile Bank Ltd.,

Account Number :158100050070022

Bank IFSC Code :TMBL0000158

Bank MICR Code : 600060010

Bank Code : 158

Address for Correspondence

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Conference Website:
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Venue

Department of Chemical Engineering
Sri Sivasubramaniya Nadar
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Chennai-603 110, India