

Indian Institute of Chemical Engineers



Celebrating 76 Years of Glorious Journey

Annual Report 2022-2023

1

32000+

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2

47

Regional
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3

186

Student
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Prof. M K Jha, Dept. of Chemical Engineering, NIT, Jalandhar 144 011, [Mobile]: 9417290668, jhamkin@yahoo.co.in	Immediate Past President	Mr D M Butala, 5, Mohak, B/h, Manisha Society, Behind Raja's Lavkush Bunglow, Near Upendra Bhatt's Bunglow, Syed Vasana Road, Baroda 390 015, [Mobile]: 9979853021, dmbutala27@yahoo.com
Prof. C Karthikeyan, Head, Dept. of Chemical Engineering, Annamalai University, Annamalai Nagar 608 002, [Mobile]: 8838700211/ 9865356561, drcktech@rediffmail.com	Vice Presidents	Prof. C Karthikeyan, Dean, Faculty of Engineering & Technology, Annamalai University, Annamalai Nagar 608 002, [Mobile]: 8838700211/ 9865356561, drcktech@rediffmail.com
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	Member	Prof. K.K. Pant, (Co-opted Member), Director, IIT, Roorkee, Uttarakhand 247667, [Mobile]: 9990662905, dr.kkpant@gmail.com
	Member	Prof. Asim Kumar De, (Co-opted Member), Dept. of Chemical Engineering, University of Calcutta, Kolkata-700 009, [Mobile]: 9477203215, akdeuce@gmail.com

**Indian Institute of Chemical Engineers
Kolkata – 700 032**

Annual Report for 2022-2023

1.0 Introduction

The report covers major activities of the Institute during the period 1 April 2022 to 31 March 2023.

2.0 75th Annual Session and CHEMCON 2022

The 75th (Platinum Jubilee) Annual Session of IChE, popularly known as Chemical Engineering Congress (CHEMCON-2022), was organized from 27 – 30 December, 2022 by IChE Kanpur Regional Centre with Harcourt Butler Technical University, Kanpur; Indian Institute of Technology, Kanpur; Chhatrapati Shahuji Maharaj University, Kanpur; and Dr. Ambedkar Institute of Technology for Handicapped, Kanpur as partners. CHEMCON – 2022 was co-sponsored by American Institute of Chemical Engineers (AIChE). Rajiv Gandhi Institute of Petroleum Technology, Amethi and Dr. A.P.J. Abdul Kalam Technical University, Lucknow were the associates. The venue was Harcourt Butler Technical University. The central theme of CHEMCON 2022 was ‘**Sustainability in Chemical Processes through Digitalization, Artificial Intelligence and Green Chemistry**’. The event was attended by around 1000 delegates from all over the world. This year’s CHEMCON was all the more glorious because it was one of the most prime events marking the Platinum Jubilee celebration of IChE.

The Inaugural Programme was virtually graced by the Hon’ble **Chief Minister of Uttar Pradesh, Shri Jyoti Adityanath** and physically graced by **Shri Ajit Singh Pal**, Minister of Uttar Pradesh; **Shri Awanish Awasthi**, Advisor to Chief Minister of Uttar Pradesh; **Shri Nadir B. Godrej**, Chairman and Managing Director of Godrej Industries Ltd.; **Prof. Samsher**, Vice Chancellor, HBTU, Kanpur, **Shri D.M. Butala**, President, IChE; **Dr. Avijit Ghosh**, Hony. Secretary, IChE; **Shri Biswanath Chattopadhyay**, Chairman, NOC, CHEMCON 2022; **Prof. R.K. Trivedi**, Chairman, LOC and **Dr. S.V.A.R. Sastry**, Organising Secretary and Convener, NOC, CHEMCON 2022. The event began with lighting of the lamp and garlanding of the portrait of Dr. H.L. Roy, Founder President, IChE, followed by the welcome address by **Prof. R. K. Trivedi** and **Shri. Biswanath Chattopadhyay**.

An **IChE Platinum Jubilee documentary** was screened at the inaugural programme, which was followed by the IChE Award Function. The CHEMCON 2022 souvenir was also released for the delegates. The Inaugural function concluded with the Vote of Thanks by the Organizing Secretary, **Dr. S.V.A.R. Sastry**.

As customary, post-inauguration, one of the most important events of CHEMCON-2022, the three Memorial Lectures were delivered. **Dr. H.L. Roy Memorial Lecture sponsored by Jacobs Worley** was delivered by **Shri Nadir Godrej**, Chairman and Managing Director of Godrej Industries Ltd.; **Aker Powergas’s Professor N R Kamath and Mrs Ruzena Kamath Memorial Lecture** was delivered by **Prof. Suddhasatwa Basu**, Director, CSIR-Institute of Minerals & Material Technology, Bhubaneswar; and, **Inventaa C K Murthy Memorial Lecture** was delivered by **Dr. Atul Narayan Vaidya**, Director, CSIR-National Environmental Engineering Research Institute. Over the next four days, 16 CHEMCON Distinguished Speaker Lectures and five plenary lectures were delivered by eminent academics and renowned scientists as well as top rung of industry leaders from the national and international arena.

Shri Dhirubhai Ambani Commemoration Day was celebrated on 28 December 2022. The session was chaired by **Padmashri Prof. G.D. Yadav**, Emeritus Professor of Eminence, Former VC, ICT, Mumbai. **The Chief Guest for the session was Prof. Ashutosh Sharma, IIT Kanpur, who was also the recipient of this year’s prestigious B.P. Godrej Life time Achievement Award from IChE. The session concluded with the vote of thanks by Dr. Avijit Ghosh. This was followed by signing of an MoU between the Society of Chemical Engineers Japan and IChE.**

Three joint International Symposia were organized during CHEMCON-2022. Firstly, those with the **Society of Chemical Engineers, Japan (SCEJ)** and **American Institute of Chemical Engineers (AIChE)** were organized on 28 December 2022 and the symposium with the **Canadian Society for Chemical Engineers (CSChE)**, Canada was organized on 29 December 2022.

A special session was held on 28 December 2022 to discuss opportunities for chemical engineers in academia, industry and R&D institutions. Prof. Ajay Dalai from University of Saskatchewan, Canada and Prof. Anil Mehrotra from University of Calgary, Canada interacted with the students of HBTU, Kanpur and various other institutions from across India.

During the four-day event, 10 Parallel Sessions and four Poster Sessions were conducted on topics, such as, Wastewater Treatment, Biomass Utilization and Bio-Energy, Nanotechnology and Nano Science, Artificial Intelligence and

its importance in Chemical Engineering, Climate Change and Sustainability, Green Chemistry and Technology, Safety Health & Environment, Air Pollution Control, etc.

Technical Sessions were held in the thematic areas of Mineral Processing, Green Energy, Process Intensification and Novel Separation Processes, Process Modelling and Simulation, Green Industrial Sustainable Chemistry and Engineering, Advanced Techniques in Chemical Engineering, Environmental Engineering with a Focus on Solid Waste Management, Waste Water Treatment, and Safety-Health-Environment, Nano Science and Technology, Petroleum and Polymer, Computational Fluid Dynamics, Biochemical Engineering and Food Technology, Process Safety and Responsible Care, Hydro & Electro Metallurgical Processes, Catalysis and Reaction Engineering, Transport Phenomena and Fluid Dynamics and Other Areas of Chemical Engineering. About 500 papers were presented in the Oral Sessions and more than 150 posters were presented in Poster Sessions.

An Industrial Exhibition was organized at the CHEMCON-2022 venue for four days. The major exhibitors were: Anval Valves Pvt. Ltd., Arham Oil Gas Products and Services Pvt. Ltd., ACS International Pvt. Ltd., Flexim Flow India Pvt Ltd., Hydrodyne Teikoku (India) Pvt. Ltd., Hibachi Engineering Pvt. Ltd., IVL Dhunseri Petrochem Pvt. Ltd., JMP, Kamdhenu Group, Lohia Corp., Mazada Pharma Guide / Chemical Outsourcing Guide, Roofsol Energy Pvt. Ltd., Royal Touch Fablon Pvt. Ltd., Kaypear Engineering Llp/310i Technology, S. H. Engitech Pvt. Ltd., Supinco Automation Pvt. Ltd., Syno - PCP Pumps Pvt. Ltd., Oerlikon, and, Vision Craft Industries Pvt. Ltd.

Notable sponsors for CHEMCON-2022 were Industries like Reliance Industries Limited, Indian Oil Corporation Limited, Indorama Dhunseri Petrochem Industries Private Limited, Aditya Birla Chemicals, Oil & Natural Gas Corporation Limited, GAIL (India) Limited, Godrej Industries Limited, UPL Limited, Kamdhenu Limited, BR Agrotech Limited, MCPI Private Limited, Haldia Petrochemicals Ltd, Hibachi Engineering Pvt Ltd, Lohia Corp, Roofsol Energy Private Limited, Oerlikon Royal Touch Fablon Private Limited, Saraogi Udyog (P) Limited, Lunarmech Machinen fabric Limited, Emerson Process Solutions, Eastman Chemical Company Limited, Marubeni India Privated Limited, Sparsh Industries Private Limited, American Institute of Chemical Engineers, ACS International India Private Limited and JMP.

The valedictory ceremony of CHEMCON-2022 on 30 December 2022 was graced by the Chief Guest for the evening, **Shri Bhanu Pratap Singh Verma**, Hon'ble Minister of State for MSME, Govt. of India. The guest of Honour was

Shri Raj Kumar Lohia, Chairman and Managing Director of Lohia Group, Kanpur. Those present on the dais for the occasion were **Prof. Samsher**, Vice Chancellor, HBTU. **Shri D.M. Butala**, President, IICChE; **Dr. Avijit Ghosh**, Hony. Secretary, IICChE; **Shri. Biswanath Chattopadhyay**, Chairman, NOC; **Prof. R. K. Trivedi**, Chairman, LOC and **Dr. S.V.A.R. Sastry**, Organising Secretary and Convener, NOC. At the end, awards and certificates were presented to the delegates. The closure of the grand event was marked by the vote of thanks, offered by Dr. S.V.A.R. Sastry.

Award Presentation

An impressive award presentation function was held following the inauguration. The most prestigious National Awards of IICChE, namely, Dr. B P Godrej Life Time Achievement Award was conferred upon Prof. Ashutosh Sharma, Institute Chair Professor and *INAE Visvesvaraya Chair Professor at IIT*, Kanpur. Lala Shriram National Award for Leadership in Chemical Industry was conferred upon Shri Samir S Somaiya, Chairman and Managing Director, Godavari Biorefineries Ltd., Mumbai.

Name of all the awards and a list of awardees are presented in **Section 10.0**.

3.0 75th Annual General Meeting

The 75th (seventy-fifth) Annual General Meeting (AGM) of the Institute was held on December 28, 2022 at HBTU, Kanpur. Mr D.M. Butala, President of the Institute for 2022, chaired the meeting. The AGM was attended by 46 Corporate Members.

(A list of members, who were present in the AGM, is presented in the back inside cover page).

i. **Adoption of 74th AGM Minutes:** The minutes of the 74th (Seventy-fourth) Annual General Meeting, held on December 28, 2021 at CSIR IMMT, Bhubaneswar were confirmed, as proposed by Mr. Dhawal Saxena and seconded by Dr. R. Saravanan.

ii. **Adoption of Annual Report and Audited Statement of Accounts for 2021-2022**

The Honorary Secretary briefed the members about the activities of the Headquarters, Regional Centres and the Student Chapters for the year 2022. He also briefed about the Council Meetings and Sub-committee Meetings, held during the year 2022.

The Honorary Secretary also touched upon the matters regarding Audited Accounts, explaining about Total Income, Total Expenditures, Net Surplus and Net Profit Ratio of Consolidated as well as IICChE Headquarters accounts. He also

mentioned that the Current Financial Year accounts were prepared clearing all the discrepancies in the HQ accounts for the Previous Financial Years. He emphasized that all the Regional Centres should try to submit their annual reports, including the audited financial reports, within the stipulated time frame.

The AGM unanimously accepted the Annual Report of IChE, proposed by Prof. R.K. Trivedi and seconded by Prof. K.S. Rajanandam.

iii. **Appointment of Auditors for 2022-23**

The meeting decided on appointment of MARP & ASSOCIATES, Chartered Accountants, 20B, Abdul Hamid Street, 5th Floor, Room No. 15, Kolkata – 700 069 as the Auditors for the financial year 2022-2023 for the IChE Headquarters Accounts and the IChE Consolidated Accounts as well as all taxation related matters with the following remuneration:

Rs. 40,000/- + GST + Reimbursement of local Conveyance Charges for IChE HQ matter related travelling.

The members further resolved that though the appointment of MARP & ASSOCIATES is for one year, if their services are up to the requirements of the IChE Headquarters, their term may be extended for one more year followed by another one year with the same terms and conditions and with an increase in remuneration by 5% per year. The resolution was proposed by Mr. G. Kishore Kumar and seconded by Prof. Vinay K. Srivastava.

iv. **Announcement of newly elected Council Members for the period 2023-25**

President, IChE, announced the names of the newly elected Council Members and welcomed them to the Council for 2023-25.

The members conveyed their gratitude to the President and the outgoing Council Members for the services rendered by them during the year towards the growth of the Institute.

The meeting ended with a vote of thanks to the Chair.

4.0 **R&D Activities by IChE HQ**

The Institute is recognized upto 31.3.26 by the Department of Science and Technology, Government of India, as a Scientific and Industrial Research Organization (Vide Ref. F.No.11/571988–TU–V, Dated: 27.03.2023). During recent years, IChE has been regularly undertaking research projects in collaboration with renowned universities and engineering / technical institutes.

R&D projects, funded by IChE, which were undertaken during 2022-23, are as follows:

- Effects of reusing glass fibre reinforced polymer waste on properties of mortars
Amal Jyothi College of Engineering
- Sorption of heavy metals using novel brown algae
Annamalai University
- High accuracy determination of rheological properties of drilling fluids using Marsh funnel
Sant Longowal Institute of Engineering and Technology, Punjab
- Development of a microfluidic device to create precision droplets
Heritage Institute of Technology, Kolkata
- Development of cross-linked PU-PS hydrophobic coatings from castor oil
University College of Engineering, BIT Campus, Anna University,
- Synthesis of Platinum Group Metal-free Electrocatalyst for Polymer Electrolyte Membrane Water Electrolyser (PEMWE)
Saintgits College of Engineering
- Pollutant gas capture from Car cabin
School of Mechanical Engineering, KIIT, Bhubaneswar
- Production of biodiesel from waste cooking oil in presence of liquid and solid catalysts
Chaitanya Bharathi Institute of Technology
- Performance of MgO impregnated activated carbon as cathode catalyst in double chambered microbial fuel cell
Saveetha Engineering College, Chennai
- Synthesis of agro-based metal-organic framework for treatment of pharmaceutical wastewater
Annamalai University, Tamil Nadu
- Optimization of microbial fuel cell with the use of waste derived biochar electrodes
Kongu Engineering College
- Amoxicillin extraction with aqueous solution via green emulsion liquid membrane process
Annamalai University
- Production of hard candy by using medicinal plants
Saveetha Engineering College
- Investigating the effect of alkali and alkaline earth metals (AAEM) on the pyrolysis of invasive biomass species
Sri Venkateswara College of Engineering

- Synthesis of cathodes for room temperature sodium sulphur batteries.
Sri Venkateswara College of Engineering
- Adsorptive removal of a dye in an inverse fluidized bed adsorption column using casuarina seed powder as a sorbent – Parametric, equilibrium and modelling studies
Annamalai University
- A systematic analysis of endocrine disturbing chemicals elimination in aquatic environment
University College of Engineering, BIT Campus, Tiruchirappalli
- Real time production and investigation of aspirin by the lab scale vacuum reactive distillation apparatus
Sri Venkateswara College of Engineering
- Developing dye-sensitized solar cell based on anatase titanium di-oxide by using naturally occurring dyes as sensitizers
Haldia Institute of Technology
- Synthesis of Cu-BDC metal organic framework for catalyst cum hydrogen storage applications
Department of Chemical Engineering, MNIT Jaipur
- Development of novel polymeric hydrogel for adsorptive separation
Haldia Institute of Technology
- Development of novel cellulose acetate and magnesium oxide nanoparticles impregnated polymeric beads for adsorptive removal of divalent lead ions from groundwater
BITS Pilani, Pilani campus, Rajasthan

5.0 R&D Related Activities by Regional Centres

An outline of activities connected to research and development in Chemical Engineering and allied fields that have been carried out by IChE's Regional Centres (RCs) as well as by the Student Chapters under the RCs are presented below. For the RCs, the 1-year period covers July 2022 – June 2023.

Standing Committees 2023

Name of the Regional Centres	R&D Related Activities
Ahmedabad	a) Expert Lecture on “Developing Indigenous Technologies for Environmental Pollution Control” delivered by Dr Vinay Bhandari, Chief Scientist, CSIR-NCL, Pune on 18.03.2023.
Amaravati	<p>a) Prof M V Rao Endowment Lecture Endowment lecture on “Process Systems Engineering and its Applications in Chemical Engineering”, delivered by Dr Rafiqul Gani, former Professor, the Technical University of Denmark, on 27.10.2022.</p> <p>b) Talks:</p> <ol style="list-style-type: none"> On ‘Prototype development and scaling up of technology readiness level’ by Dr Thamida Sunil Kumar, IIT, Tirupati, on 27.01.2023. On ‘Translational research and technology commercialization through academia-industry collaborations’ by Dr G Arthanareeswaran of NIT Tiruchirappalli, on 27.01.2023. On ‘Chemical Engineering-present scenario and future opportunities’ by Dr M V Rao, Honorary Regional Secretary, IChE ARC on 27.01.2023. On ‘Crude oil processing and manufacturing of finished petroleum products as per the latest specifications’ by Mr S Chiranjeevulu Mangalore Refinery and Petrochemicals Limited (R) on 27.01.2023 <p>c) Two day workshop: A Two day workshop on Aspen plus and its significance in chemical engineering organized by the Department of Chemical Engineering, National Institute of Technology Andhra Pradesh, Tadepalligudem in Association with the Institution s Innovation Council (IIC) and Indian Institute of Chemical Engineers Amaravati Regional Centre (IChE-ARC) was successfully organized during 14th & 15th April, 2023. The following speakers delivered the lectures on the topic:</p> <ol style="list-style-type: none"> ‘Introduction to Process Simulation’ by Dr A Sarath Babu ‘Design and Development of Sustainable Battery System’ by Dr Manohar Kakunuri

d) Two day National Seminar:

A Two day national seminar on “Hydrogen – Can it be the savior of the Earth From Global Warming?” was successfully organized during 28th & 29th April, 2023 by IICHe Amaravati Regional Center in association with all student chapters under IICHe ARC. The following speakers delivered the lectures on the topic:

- i) ‘The Net Zero Goal & Sustainability: Adoption of Green Hydrogen Technologies, CO₂Refineries, Biomass Valorization & Plastic Recycling’ by Padmashri Prof G D Yadav, Former VC, ICT, Mumbai
- ii) ‘Decoding Hydrogen Ecosystem – Indian Oil s Initiatives’ by Dr S S V Ramakumar, Director (R&D) & Board Member, IOCL, Faridabad.
- iii) ‘Current methods of Hydrogen production from fossil fuels-How to turn this Grey H₂ to Blue H₂’ by Dr C V V Satyanarayana, Former Chief Scientist CSIR-National Chemical Laboratory, Pune.
- iv) ‘Research opportunities and technology challenges in hydrogen utilized polymer electrolyte fuel cells’ by Dr Santoshkumar D Bhat, Sr Principal Scientist, CSIR- Central Electrochemical Research Institute, CSIR Madras complex, Chennai.
- v) ‘Sustainable Electrolyzser Technology: A key to global decarbonization’ by Dr K Selvaraj, Principal Scientist CSIR-National Chemical Laboratory, Pune.
- vi) ‘Batteries and their role in advancing renewable H₂ initiatives’ by Prof A M Kannan, The Polytechnic School, Ira A Fulton Schools of Engineering, PRLTA 335A, Arizona State University USA.vii) ‘Hydrogen Economy - India’s ambitions’ by Dr C S Gopinath, Outstanding Scientist and Deputy Director, CSIR-National Chemical Laboratory, Pune.
- viii) ‘Energy Transition: Biggest challenge to globe’ by Dr R R Sonde, Visiting Professor, IIT Delhi, Former Executive Vice President, Research, Technology & Innovation, Thermax Ltd.
- ix) ‘Hydrogen production by photochemical and thermo-chemical methods’ by Dr G Ranga Rao, Professor, Department of Chemistry. IITM, Chennai.
- x) ‘Green Hydrogen role as clean fuel: Opportunities, Challenges, and Safety’ by Mr S R Udayan, Vice-President, Reliance Industries Ltd., Jamnagar.

Student Chapter Activities:

- i. RVR & JCCE Student Chapter organized Lectures on the topic:
 - ‘Simulations in Fluid Dynamics’ by Prof P Srinivasa Rao, Department of Mathematics and Computing, Indian Institute of Technology (ISM), Dhanbad on 18.07.2022.
 - ‘An Overview of Petroleum Refineries’ by Mr Chiranjeevulu, Retd. Chief Manager, ONGC-MRPL, Rajahmundry, on 16.08.2022
 - ‘Solid waste management and waste to energy’ by R Ravi Sankar, Deputy Manager, Environmental Health & Safety, Jindal Urban Waste Management Guntur Ltd., on 12.09.2022.
 - ‘Career Options after Chemical Engineering’ by Mr Venkateswarlu, General Manager, M/s. Jocil Limited (Soaps), Guntur, on 15.09.2022.
 - ‘Role of Chemical Engineer in Pharmaceutical Industries’ by Mr Pavan Kumar Gowra, Assistant Manager, IPDO Department, Telangana, on 26.11.2022.
 - ‘Opportunities for Chemical Engineers’ by Mr D. Krishna Sabarish, Software Developer Engineer, Gold Hill Excelsior, Electronic City Phase-II, Bangalore, on 30.12.2022.
 - ‘Pipe Line Simulation’ by Mr Raivindra Ravuri, Principal Lead Consultant, Det Norske Veritas (DNV), Dubai, on 20.01.2023

Amethi	<p>a) RGIPT Student Chapter organized a Webinar on “Introduction to Flow Chemistry” on 03.10.2022. Dr Makarand Pimplapure, an expert in this field delivered lecture.</p> <p>b) RGIPT Student Chapter in collaboration with VIT Student Chapter organized technical event called “Technowhiz” on 12.11.2022.</p>
Ankleshwar	<p>a) Talk</p> <ul style="list-style-type: none"> – On ‘Oil free screw compressor’ was portrayed by M/s. ELGI Air Compressor on 19.10.2022. – On ‘Comparison of Thermal Treatment Technologies especially for Hazardous Waste’ by M/s. SIDSA Environmental Pvt. Ltd., on 29.10.2022.
Bangalore	<p>a) Project Grant for UG Students:</p> <p>Project Grant was given to encourage innovative student’s project. Nine Project Proposals were received from different colleges under Bangalore Regional Centre. These projects were scrutinized by Mr G Kishore Kumar, Assistant Director, CPRI, Bangalore Mr P T Raghuram, IISc. As per their recommendations eight project were approved by the EC of BRC @ Rs.5,000/</p> <ul style="list-style-type: none"> – The following Institutes were the recipients of the project grant: <ul style="list-style-type: none"> ● MS Ramaiah Institute of Technology, Bangalore ● Siddaganga Institute of Technology, Tumkur ● B M S College of Engineering, Bangalore ● S D M College of Engineering & Technology, Dharwad <p>b) International Conference An International Conference on “Recent Advances in Engineering Sciences (ICRAES)”, during 13 & 14 October, 2022 was organized at MSRIT, Bangalore.</p> <p>c) Student Chapter Activities- An International Conference on “Advances in Materials, Ceramics and Engineering Sciences (AMCES-2023)” was organized by Dayananda Sagar College of Engineering, Bangalore on 13-15 March 2023.- A two-day National Conference “Chemspars-23” on “Emerging trends in energy, environmental sustainability and safety in chemical engineering and allied fields” was organized by Department of Chemical Engineering, Adhiyamaan College of Engineering in association with Bangalore Regional Centre” held on 24-25 March 2023.</p> <p>Technical Talks:</p> <ul style="list-style-type: none"> – On ‘Biomass to Bioenergy – AD Challenges and Opportunities’ by Dr Ravi, Post Doc Research Fellow, IISc, Bangalore on 23.09.2022. – On ‘Climate Change and Role of Engineers’ by Prof Bipin Vora, Chemical and Biochemical Engineering, IIT Chicago, on 13.12.2022.
Baroda	<p>a) National Seminar</p> <ul style="list-style-type: none"> – A national seminar on “Process Safety Management – Ways to Minimise Hazards” was organized by BRC where 430 participants and 79 Organizations participated. – A national seminar on “Connecting Green Hydrogen 2023” was also organized by BRC where 322 participants and 77 Organizations participated. <p>b) BRC Conducted Lecture Programme on ‘Green Hydrogen Technologies’ delivered by Mr Nilesh Mangukia, Director, Business Development and Sales South Asia, Linde Engineering India Pvt. Ltd.</p>
Bhopal	<p>IICChE Student Chapter at IISER Bhopal had organized a National Conference on ‘Advances in Chemical Engineering and Science’ (ACES-2023) on 31.03.2023.</p>
Bhubaneswar	<p>a) Seminar</p> <p>IICChE Bhubaneswar Regional Centre.in association with Industrial Promotion and Investment Corporation of Odisha Limited (IPICOL), had organized a Seminar, ODICHEM-2022 on the</p>

	<p>theme “Investment Opportunities for Ancillary and Downstream Industries in Odisha” on 15.10.2022. Technical presentations delivered by following eminent personalities, Mr M P Mishra, NALCO; Mr Rajiv Kumar, Tata Steel; Mr Debashish Nanda, Coal India Ltd.; Dr Vilas Tathavadkar, HINDALCO; etc.</p> <p>b) Technical Talk</p> <ul style="list-style-type: none"> – on the topic ‘New Chemistries for Sustainable Processing of Raw Materials” by Prof Hanumantha Rao Kota, Department of Geoscience and Petroleum, Norwegian University of Science and Technology, Norway, on 05.09.2022. – on the topic ‘Growth of Bioprocessing Technologies for Clean Sustainable Energy Production’ by Prof Ajay Kumar Dalai, Distinguished Professor, Saskatchewan, Canada, on 13.02.2023.
Calcutta	<p>a) National Seminar on Demystifying Industry 4.0 held on 6th January 2023 at Hotel Pride Plaza</p> <p>‘The National Seminar on “Demystifying Industry 4.0” organized by Calcutta Regional Centre of IChE, Kolkata Chapter of The Indian Institute of Metals and Jadavpur University was successfully held at Hotel Pride Plaza, New Town, Kolkata. The Plenary Lecture “Re-imagining the Enterprise with Technology” was delivered by Mr Sarajit Jha, Chief (Business Transformation, Digital & IT Shikar), Tata Steel. Panel Discussion on ‘Road Map for Implementation of Industry 4.0 in Indian Manufacturing Industries’ was held followed by Plenary Lecture. Technical Session-II: on the topic ‘Process Control, Maintenance, Productivity & Security’ was held. The speakers were Prof Anupam Basu, Former Director, NIT Durgapur; Prof Susmita Sur Kolay, Advanced Computing and Microelectronics Unit, ISI, Kolkata. Technical Session-III: on the topic ‘Implementation of Industry 4.0 in Oil, Gas and Chemical Industries’. The speakers were Prof Amitava Gupta, Head (Power Engineering), Jadavpur University and Mr Praveen Gadela, JSW Steel.</p> <p>b) Student Chapter activities</p> <p>ChEMSPARK-2022: Department of Chemical Engineering, Heritage Institute of Technology in association with IChE Student Chapter of the college organized the program on 29.04.2022.</p>
Chandigarh	<p>a) Expert Talk</p> <p>On the topic “Plastic and Sustainability” by Dr. Christian Paulik, held on 23.02.2023.</p> <p>b) Student Chapter Activities:</p> <p>IChE Student Chapter at Panjab University organized the following programs:i. CyanoQuiz on ‘General Science’ on 13.03.2023</p>
Chennai	<p>Lecture</p> <ul style="list-style-type: none"> – On ‘Industrial Practice in Wastewater Treatment – ZLD and Renewable Energy Initiative’ by Dr. Prasad Srinivasan, Director Operations, Stahl India Pvt. Ltd., Kanchipuram, on 14.12.2022. – On ‘CFD Applications in the evolution of Iron and Steel Processing’ by Dr. R Sripriya, Principal Scientist, Tata Steel Netherlands, Durope, on 13.02.2023.
Guwahati	<p>a) Talks</p> <ol style="list-style-type: none"> i. On “Clean Sustainable Energy Production for Pollution Abatement Using Bioprocessing Technologies” by Dr. Ajay K Dalai, FRSC (Canada), held on 01.04.2022. ii. On “High Performance Polymers: Sustainability Solutions” by Dr. Rahul Shingte, R&D Manager of Solvay Research & Innovation Centre, Gujarat, held on 16.12.2022..

<p>Hyderabad</p>	<p>a) Lectures</p> <ul style="list-style-type: none"> i. On the topic “Chemical Engineers in International Bussiness Development Perspective” by Mr. Ujjval Shah, Technical Director, Prakash Chemicals International, Private Limited, on 06.08.2022 at Anurag University, Hyderabad. ii. On the topic “Process Safety Management Technical Management and Ethical issues” by Mr. Karthikeyan Balan, Process Safety and Risk Management Consultant, Prism Consultants, Chennai., on 15.09.2022 at BITS Pilani, Hyderabad iii. On the topic “Computational thinking in Chemical Engineering” by Dr. Srinivasa Mohan, Senior Principal, Application Specialist Ansys, on 11.11.2022 at CBIT, Hyderabad. iv. On the topic “Flow and storage of powders” by Dr. Greg Mehos, Director of Greg Mehos and Associates LLC, on 09.12.2022 at OUCT, Hyderabad. v. On the topic “Developing and Controlling Microbial Activity for Human welfare” by Mr. Krunal Dholia, Co- Founder and Chief Scientist, Framtix Holdings AB, on 03.02.2023 at BITS Pilani, Hyderabad. vi. On the topic “Building Pragmatech: My journey as an entrepreneur; from problem to solution whilst chasing impact” by Mr. Anirban Palit, Co- founder and Managing Director, Pragmatech Healthcare Solutions Pvt Ltd., on 31.03.2023 at CBIT, Hyderabad. <p>b) M P Chary Memorial Lecture</p> <p>The 16th M P Chary Memorial Lecture was delivered by Dr. Tata Narasinga Rao on “Translational Research in Materials Chemistry A Step Towards Atma Nirbar Bharat”.</p> <p>Student Chapter Activities</p> <p>IICHe INTER-COLLEGE COMPETITIONS and Seminar on Innovation Ecosystem. The Department of Chemical Engineering, CBIT, had organized Inter-College Competitions in association with Indian Institute of Chemical Engineers- Hyderabad Regional Centre. This competition has seen participation from over more than 6 different colleges in and out of Hyderabad.</p> <ul style="list-style-type: none"> i. Student Chapter at OUCT, organized LECTURE-X of the Lecture Series by Dr. Gre Mehos, Ph.D., P.E. AIChE Fellow Director of Greg Mehos & Associates LLC, on “Flow and Storage of Powders on 09.01.2023. ii. Student Chapter at JNTU-Hyderabad conducted The training session on “AVEVA/PRO-II Simulation Software” application was conducted on 22-10-2022 in association with Omkar Software Solutions, Bangalore. It has conducted International Conference on Innovations in Engineering and Technology (ICIET – 2022), during 15.09.2022 to 17.09.2022. <ul style="list-style-type: none"> a) Lecture on “Latest Development of Microalgae Biorefinery” by Dr. Show Pau-Loke, Dept. of Chem. & Environmental Engg, University of Nottingham, Malaysia, at Class Room Complex JNTUH UCEH, on 16.09.2022. b) Lecture on “Advance separations using electromembranes: Electrodialysis/ Electro-electrodiaysis” by Dr. S. Chotopadhyaya, Prof., Dept. of Polymer and Process Engineering, IIT Roorkee, at Class Room Complex JNTUH UCEH, on 16.09.2022. c) Lecture on “Development of Solid Adsorbents for Carbon Capture” Dr. Sasidhar Gumma, Dept. of Chem. Engg., Indian Institute of Technology, Tirupati, at Class Room Complex JNTUH UCEH, on 17.09.2022. d) Lecture on “Emerging Opportunities to Chemical Engineers” by Sri. A. Raja Shekhar, Managing Partner, Floris Chemitech, Nidadavolu, Andra Pradesh on 19.11.2022. <ul style="list-style-type: none"> iii. Student Chapter at Anurag University organized
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	<ul style="list-style-type: none"> – Lecture on “Opportunities for Chemical Engineers in International Business Development” by Mr. Ujval Shah, Technical Director, Prakash Chemicals International Private Ltd. (PCIPL) on 06.08.2022. – Lecture on the topic “Career opportunities and future prospects in DAE for aspiring Engineering students” by Dr. Venkatesham, Assistant General Manager, NFC on 27.08.2022. <p>iv. Student Chapter at BITS Pilani Hyderabad organized Lecture</p> <ul style="list-style-type: none"> – on the topic “Process Safety Management : Technical Management and Ethical issues” by Mr. Karthikeyan Balan, on 15.09.2022 . <p>v. Student Chapter at BVRIT Conducted following events:</p> <ul style="list-style-type: none"> – Lecture on “Chemical Reaction Engineering” by Dr Krishnaiah in Oct 2022. – Lecture on “Engineering Innovations for Industrial Development and Societal Welfare” By Dr Sridhar in January 2023 – Lecture on “Engineering Innovations for Industrial Development and Societal Welfare” By Dr Sridhar in January 2023. <p>vi. Student Chapter at RGUKT-IIIT Basara Organised a four day Workshop on “MATLAB” from 26 to 29 October, 2022 in the Simulation laboratory of Chemical Engineering Department.</p>
<p>Jaipur</p>	<p>a) Student Competition on Industrial Idea Challenges (December 1-15, 2022)</p> <p>With a view to creating an awareness regarding the fields of Chemical and Civil Engineering and the exciting career opportunities therein, on 01.12.22, the Departments of Chemical and Civil Engineering organized a pan-India Industry-driven Online Industrial Idea Challenge. It was in collaboration with the industry partner, Terra Agro Biotech Pvt. Ltd. Jaipur (Mr. Abhishek Singh, Owner), who was also funding the prizes for the winners. School and College students (in separate categories) were given an industry challenge by the industry partner – ‘Design of an Anaerobic Digester of 10 tons/day Capacity for Treating Chicken Litter and Cow Dung Mixture to Produce Biogas and Digestate for Commercial Applications’. They were invited to submit their mini-proposals to a panel of faculty at MUJ. The focus of the idea challenge was on the development of an optimized system for energy and resource recovery with the reduction in CO₂ emissions. The proposals were evaluated on their merits and the winners received prizes. The initiative of the Departments and the student submissions provided useful inputs to industry for developing real systems and boosted R&D efforts on university front as well.</p> <p>b) Objectives of the Event</p> <ol style="list-style-type: none"> 1. Exposure of students towards the domains of Chemical and Civil Engineering. 2. Development of problem-solving skills in the students. 3. Providing useful inputs to industry for developing real systems. 4. Facilitating R&D collaboration efforts between industry and the University. <p>Joint Indo-Canadian symposium on Energy and Environment (December 31, 2022) The symposium was organized on 31.12.2022 by Deanery of International & Alumni Affairs, MNIT Jaipur, University of Saskatchewan, Canada and IChE, Jaipur Regional Centre on 31.12.2022 on Energy and Environment. The Canadian delegates and Indian participants discussed the prospects of various technologies for Energy and Environment related issues. The objective of this symposium was to share expertise and research experience from both sides in the area of ‘Sustainable energy and environment engineering’. The Canadian delegates included Prof. Ajay K. Dalai and Prof. Bishnu Acharya from the University of</p>

	<p>Saskatchewan, Prof. Sudip K. Rakhsit from Lakehead University, Prof. Animesh Dutta from the University of Guelph, Dr. Sonil Nanda and Dr. Tumpa Sarkar from University of Saskatchewan. They explained their work on the use of waste biomass for synthesis and utilization of several value-added products. Prof. S. P. Chaurasia, representing IChE-JRC also delivered a lecture on the use of membrane bioreactors in the synthesis of fuels from bio resources. Both Canadian delegates and Indian delegates emphasised the need for strong collaborations in addressing energy and environmental issues.</p>
Kanpur	<p>a) Expert Lecture</p> <ul style="list-style-type: none"> - on the topic “The intersection of Chemical Engineering and entrepreneurship” by Mr. Rajat Mehra Managing Director of Rajat Chemicals Limited, on 18.04.2022. - on the topic “Scanning Electron Microscopy (SEM) for Characterization and Synthesis for Silver Zeolite for Different Applications, providing valuable insights into the latest research trends in material science” by Dr.Vivek Mishra, Head of Performance Evaluation and Safety Section at the Bhabha Atomic Research Centre (BARC) Mumbai, on 01.11.2022. - on the topic “How to navigate the professional landscape effectively” by Mr. Prafull Kumar, President at Dream Realized LLC, on 07.11.2022. - on the topic “Process Engineering in Industry” by Mr. Farog Alam, The Process Technology Authority Lead at the FLOUR Corporation, on 09.11.2022 <p>b) The International Workshop on Advances in Water Purification & Wastewater Treatment</p> <p>The workshop marked a significant stride towards addressing the pressing global challenges in water management. This workshop provided a platform for experts, researchers, and stakeholders to converge, share insights, and explore innovative solutions in the realm of water purification and wastewater treatment.</p> <p>c) Student Chapter Activities</p> <p>IChE Student Chapter of HBTU Kanpur organized a group discussion and personal interview event on March 25, 2023. The event was open to students from other colleges, and participants from AITH and UIET (CSJM). The topic of the discussion was “Impact of Green Chemistry on Sustainable Development.” The participants expressed their opinions on various aspects of green chemistry, such as its importance in reducing environmental pollution, the need for green chemistry research, and the role of industries in promoting green chemistry. The discussion was interactive and insightful, and the participants demonstrated their knowledge and analytical skills.</p>
Kochi	<p>a) Lecture</p> <ul style="list-style-type: none"> – on “Modern Petroleum Exploration Techniques - Impacts & Challenges” by Dr. P Gopalakrishnan , Former Additional Director , ONGC & Exploration Consultant Ministry of Petroleum & Natural Gas on 19.08.2022 – on “An Introduction to HEAVY WATER BOARD”, Mr M Bhaskaran, former Chairman & Chief Executive of Heavy Water Board on 01.06.2022 at Hotel Seapark, Kalamassery. – on “Revival of Handloom Sector: The Kara Ventures Story” by Mrs .Indu Menon Member , Kerala State Planning Board
Mangalore	<p>a) “Chemignite 2023”</p> <p>Lecture titled “Petroleum Industry – an outlook” organized by MIT, Manipal in association of IChE Mangalore Regional Centre on 04.03.2023.</p> <p>b) ‘Prof P K Karanth Memorial Quiz’ conducted by IChE Student Chapter at MIT Manipal on 04.03.2023.</p>

	<p>c) Cheminsary (part of Techtatva) held on 14.10.2022.d) Chemolava (part of Techtatva) held on 15.10.2022e) Guest Lecture on “Sustainable Aviation Fuels” by Dr Anil Sinha held on 09.02.2023</p>
<p>Northern</p>	<p>a) Technical Lectures:</p> <p>Under ‘Learning with Leaders’, Online series of Technical Lectures were held on various topics:</p> <ul style="list-style-type: none"> i On ‘Flow-Chem revolution: Seamless scale-up from Lab to 10000 TPA’ by Mr C K Sethia, Manager Sales-AFR, Croning Technologies India Pvt. Ltd., on 30.07.2022. ii On ‘An Overview of Electric Vehicle and Role of Chemical Engineers’, by Prof Anil Verma, Dept of Chemical Engineering, IIT Delhi. <p>b) Seminar/Workshop</p> <p>On ‘Recent Developments in Catalysis to Process Industry’ held on 21-22 March 2023. The following papers were presented:</p> <ul style="list-style-type: none"> i. On ‘Overview of Ammonia Production in India’ by Mr Manish Goswami, FAI, New Delhi. ii. On ‘Magcat SMR Catalyst to increase Hydrogen Production’ by Mr Abhinav Deshwal, UNICAT, Catalysts Technologies, Noida. iii. On ‘Catalyst Developments in Reforming and Shift Duties’ by Mr Rajesh Garg, Sudh-Chemie India Pvt. Ltd., New Delhi. iv. On ‘Sustaining de carbonization through next Generation Catalyst’ by Mr Sanghadeep Gautam, Haldor-Topsoe, Faridabad. v. On ‘Operating Experience with the Latest Primary Reformer Catalyst Replacement in Ammonia Plant’ by Mr B P S Mehta, IFFCO, Kalol. vi. On ‘Novel Catalyst for Sustainable Fuel Production’ by Dr. Saleem Akhtar Farooqui, CSIR-IIP, Dehradun. vii. On ‘Turning Catalyst Design Pathways: A Holy Grail for Rational Design of Industrial Functional Materials’ by Dr Manjesh Kumar, Dept of Chemical Engineering, IIT Delhi. viii. On ‘Treatment Catalyst for Improved Performance of LCO Hydrocracker’ by Mr Debasis Sarma, RIL, Jamnagar. ix. On ‘Operating Experience of Shift and Synthesis Catalysts in Ammonia Plant’ by Mr Satish Kumar Singh and Mr Abhishek Singh, Chambal Fertilizers & Chemicals Ltd., Gadepan. x. On ‘Operational Experience of Catalyst of Secondary Reformer in IFFCO Aonla’ by Mr Chandan Kumar Mishra, IFFCO, Aonla, xi. On ‘Experience of Primary Reformer and Shift Catalysts in Ammonia Plant’ by Mr P Senthil Nayagam, SPIC, Tuticorin. xii. On ‘Recent Developments in Sulphuric Acid Catalyst’ by Mr G M Patel, Ex-ED, GSFC, Vadodara. xiii. On ‘Thermo-Catalytic Conversion of Lignin for Synthesis Gas and Other Products’ by Mr Kaustabh Goswami, GGSIU, New Delhi. <p>c) Lovraj Kumar Memorial Trust Conclave:</p> <p>The Lovraj Kumar Memorial Trust Conclave on “India Aiming for a Circular Economy” was organized in association with Federation of Indian Petroleum Industry (FIPI) and IICHe-NRC on 14.10.2022 on virtual mode.</p>

	<p>Following lectures were delivered under the topic:</p> <ol style="list-style-type: none"> i. On 'Technology Developments for a Circular Economy: One Perspective' by Dr Ajit Sapre, Group President R&D, RIL, Mumbai. ii. On 'Sequestration of Biogenic Carbon: A Roadmap to Net Zero via Circular Bio-Economy' by Dr Ruchi Agrawal, SAD, TDNBC, TERI. iii. On 'The Role of Bio-based Lubricants in Climate Change Mitigation' by Dr Anjan Ray, Director, CSIR-IIP, Dehradun. iv. On 'Circular Economy in Fertilizer Sector' by Dr S Nand, Additional Director General, FAI, New Delhi. v. On 'Grassroots innovators: Pioneers of Circular Economy' by Prof Anil K Gupta, Founder, Honey Bee Network, SRISTI, GIAN & NIF. vi. On 'The Net Zero Goal & Sustainability: Adoption of Green Hydrogen Technologies, CO₂ refineries and Biomass Valorization' by Prof G D Yadav, National Science Chair (SERB/GOI) & Emeritus Professor of Eminence, Former VC, ICT, Mumbai. vii. On 'Gasification and Carbon Capture & Transformation' by Dr Jennifer Holmgren, CEO, LanzaTech, USA. <p>d) Lovraj Kumar Memorial Lecture (LKMT) 2022</p> <p>The 29th Annual Memorial Lecture of Lovraj Kumar Memorial Trust was delivered by Padma Bhushan Mr Shyam Saran, President, India International Centre & Formerly Secretary, Ministry of External Affairs, GOI, on the topic "Energy Transition and Climate Change – The Race for our Planet's Survival" on 24.11.2022 at CSOI, Vinay Marg, New Delhi.</p>
<p>Pune</p>	<p>a) One Day Seminar</p> <ol style="list-style-type: none"> i. On 'Improving Chemical Process through Application of Chemical Engineering Principles' at MIDC Kurkumbh on 21.04.2023. <p>b) Student Chapter at Dr D Y Patil Institute of Engineering, Management & Research, Pune</p> <p>The following activities were organized:</p> <ol style="list-style-type: none"> i. Workshop on 'Design & Process Simulation' held on 26.08.2022. ii. Workshop on 'Introduction to UNISIM Software and a case study (Dimethyl Ether Production) held on 06.09.2022. iii. Lecture on 'Entrepreneurship Opportunities for Chemical Engineers' held on 15.10.2022. iv. Lecture on 'Sustainable Distillation Technologies for Industries' held on 05.11.2022. v. 'Green Tech' poster presentation was held on 24.02.2023 <p>c) Student Chapter at Vishwakarma Institute of Technology, Pune</p> <p>The following activities were conducted:</p> <ol style="list-style-type: none"> i. Lecture on 'Atomic Energy' by Dr Sulekha Mukhopadhyay, Mr Alok Pandit, Ms Deepa Thomas, Dr K K Singh and Dr Nirwik Sen held on 25.08.2022. ii. On 'Membrane Industry in India and the World' by Mr Milind Bendre held on 13.01.2023. iii. On 'Waste Management Awareness: Preparation of Eco-enzymes' by Ms Rupali Kadam held on 30-31.01.2023. iv. Workshop on 'ASPEN' held on 13-17.01.2023

	<p>d) Student Chapter at AISSMS College of Engineering, Pune</p> <p>Webinar on 'E-Resources: A Gateway to Research' by Dr Nikita Wanjari, Relationship Manager and Mr Karan Doba, General Manager, Balani Infotech Pvt. Ltd.</p> <p>e) Student Chapter at K K Wagh Institute of Engineering Education and Research, Nashik, Pune</p> <ol style="list-style-type: none"> i. Lecture on 'Cost-effective and Eco-friendly ceramic membranes for wastewater treatment' by Dr K Suresh, Assistant Professor, MANIT, Bhopal, on 17.08.2022. ii. Lecture on 'Process & Process Control (IA)' by Mr Ganesh Sapariya, Process Engineer, Emerson Export Engineering Centre, Nashik, on 30.08.2022. iii. Lecture on 'Utilization of Propylene: Hydroformylation – Oxo Synthesis' by Dr V V Mahajani, former Professor, ICT, Mumbai, on 04.11.2022. iv. Lecture on 'Energy Conservation and Audit' by Mr Pramod N Daspute, BEE Certified Energy Auditor & PCRA, on 15.02.2023. v. Lecture on 'Utilization of CO₂ for Fuel Generation: Problems & Prospects' by Dr Leela Manohar, Assistant Professor, NIT Srinagar, on 11.03.2023. <p>f) Student Chapter at MIT School of Chemical Engineering</p> <ul style="list-style-type: none"> – Guest Lecture by Mr Aniruddha Kulkarni on 02.09.2022. – Guest Lecture by Mr Arockia Liborious on 01.10.2022 – Guest Lecture by Dr Parikshit Shahane on 17.02.2023 – Guest Lecture by Dr Yogesh Nimdeo on 17.03.2023
<p>Trivandrum</p>	<p>a) Seminar/Webinar:</p> <ol style="list-style-type: none"> i. On 'Introduction to Design of Experiments using Minitab' by Dr P A Soloman, Professor of Chemical Engineering, GEC, Thrissur on 30.07.2022. ii. On 'Development of Packed bed Electrochemical reactor for Perchlorate Synthesis and RTD modeling studies' by Dr Sanath H Menon, on 25.09.2022. iii. On 'Cold Plasma: Introduction and Current Trends' by Dr Suresh Kumar A, Scientist-Engineer, ADD, VSSC-ISRO, Trivandrum, on 04.02.2023. iv. On 'Polyurethane: A Versatile Polymer' by Dr Remya Balakrishnan, Scientist-Engineer, ADD, VSSC-ISRO, Trivandrum, on 25.03.2023. v. On 'Application of Membrane Bioreactor System for production of platform chemicals and other value added products' by Dr. Pinaki Dey, Sr Scientist, NIIST, Trivandrum. <p>b) Paper Publication</p> <p>Title of the paper: 'Engineering aspects on the design and realization of medical oxygen concentrator for oxygen therapy' by S Singhal, J Singh, Y Lakshman, V Chitra, N Saravanan, R Muraleekrishnan, S A Ilangovan in the Journal – Sustainable Chemical, Mineral and Material Processing – published by Springer Nature Singapore.</p> <p>c) Student Chapter Activities:</p> <ol style="list-style-type: none"> i. Student Chapter at SCT College of Engineering <ul style="list-style-type: none"> - SCT College of Engineering conducted an Workshop on 'Molecular Docking' on 22.05.2022. - A technical poster presentation contest was organized (EVOGEN) on 03.03.2023. - An expert talk on 'How Biochemical Engineers can contribute in Industrial Production of High Value Chemicals using Green Synthesis Approach and Process Intensification Strategy' by Dr Pinaky Dey, Seior Scientist, CSIR-NIIST.

	ii. Student Chapter at TKM College of Engineering, Kollam - A two-day Workshop on OVERLEAF (online LaTeX Editor) organized on 5&6.11.2022- Workshop of Graphic Designing was held on 13 & 14.03.2023.
Vapi	a) Lecture on - 'Entrepreneurship and Skill Development' by Dr Kedar Shukla, on 02.09.2022. - 'Paryavaran ka Parichay' by Mr Vijay Savarkar on 03.10.2022. - 'Environmental issues and Technologies to manage them' by Dr H M Bhatt. b) Seminar A seminar was organized on 'Out of box solutions for chemical industries'. A World renowned chemical engineering professional Padma Vibhushan Prof M M Sharma delivered the keynote address of this seminar.

6.0 Council Meeting Highlights

Major decisions taken at the meetings, held between 1 April 2022 and 31 March 2023, are presented below:

6.1 Special Meeting of the Council for 2022, held on 16 April 2022 at Heritage Institute of Technology, Kolkata

Election to the Council for 2022

The zone wise number of eligible voters as well as the number of vacancies in the Council for the year 2022 were noted.

In this context, Prof. Rajanandam, pointed out that many membership data were not updated in the existing database. Members discussed the matter at length and unanimously decided that the existing vacancy will continue for this time and the data updating procedure will be undertaken by the HQ and RCs. From next year onwards, pro-rata calculation will be considered.

Organisational Membership

The Council approved Life Organizational Membership of the following two organisations:

- i. Saveetha Engineering College, Saveethanagar, Chennai.
- ii. Sarbajanik College of Engineering & Technology (SCET), Surat

Student Chapter Affairs

New Student Chapters

The Council approved formation of Student Chapters at the Department of Biotechnology of MSRT, Bangalore under the aegis of the Bangalore Regional Centre of IChE.

6.2 3rd meeting for 2022, held on 2 July 2022 at Dept. of Chemical Engineering, NIT, Srinagar Formation of Regional Centre at NIT, Srinagar

The Srinagar Regional Centre was inaugurated at NIT, Srinagar on 2 July 2022.

ACMS – 2022

To flag off the Platinum Jubilee Celebration of IChE, an international conference, titled, 'Advances in Chemical and Material Sciences' (ACMS – 2022), was held in Kolkata at the premises of Heritage Institute of Technology from April 14 to 16, 2022.

The inaugural programme was graced with the presence of Shri Rameshwar Teli, Honorable Union Minister of State for Petroleum & Natural Gas and Labour & Empowerment as the Chief Guest. The Guests of Honor were Smt. Annapurna Devi (in absentia), Honorable Union Minister of State for Education; Shri. Vikram Swarup, MD, Paharpur Cooling Towers Ltd. and Vice Chairman, Kalyan Bharti Trust; Padmashri Prof. (Dr.) G. D. Yadav, National Science Chair (Govt. of India), Former J C Bose National Fellow and Former Vice Chancellor, ICT Mumbai; Shri Subhesendu Chatterjee, Whole-time-Director, Haldia Petrochemicals Ltd. (who sent his video message); and Prof. (Dr.) A. S. K. Sinha, Director, Rajiv Gandhi Institute of Petroleum Technology, Amethi, U.P. Others present at the inaugural event were the President of IChE, Shri D.M. Butala, and the Honorary Secretary of IChE and Organizing Secretary of ACMS-2022, Dr. Avijit Ghosh, as well as the management of HIT, Kolkata.

The conference had five Keynote Lectures, 23 Invited Lectures and 32 Parallel Sessions, where 550 papers were presented. At the Valedictory Session, the Post Master General, (Kolkata region), released a first day cover to mark the occasion.

HQ Building renovation

New Lift: The lift in the HQ building had been in operation for more than 40 years and its replacement was urgent as the maintenance cost has been spiralling. The finance committee recommended replacement of the existing lift. The estimated

cost for replacement including modifications required for erection of a new lift of the same capacity with buy-back provision for the existing old lift was estimated to be around Rs. 15 Lakh + 10 % contingencies.

The Council approved the amount for installation of a new Lift.

Rooftop Shed: The Council approved the budgeted amount for installation of a rooftop weather shed and solar panel structure at the Headquarters building.

Change of Award Name and Criteria

The Council approved renaming of the 'Jubilant Award for Outstanding Contribution in the Field of Chemical Process Commercialization' to 'Jubilant Award for Outstanding Work in the Area of Green Technology' with effect from the year 2022. The Council also approved revised criteria for consideration of the nominations for the award.

Membership

Honorary Fellowship

As per the recommendation of the Honorary Fellowship Committee, the Council decided to award Fellowship to Prof. Manoj Kumar Mondal (LM 26995).

6.3 4th meeting for 2022, held at Annamalai University, Annamalai Nagar on 26 August 2022.

Administrative Matters

Training Institute

The Council formally accepted the initiation of the Training Institute of IChE and formation of its Governing Board. In this context, President as well as the Council Members had submitted their observations on framework of the training institute and modalities of training.

After a long deliberation, the Council approved the suggestions, made by the President and other Council Members. It also accepted commencement of the Training Institute from January 2023. The tenure of the Board of Governors and the Board of Directors will be for five years from the date of appointment. The Director General and Director (Member Secretary) will be special invitees and will attend all the Council meetings. Their travelling expenses will be borne from the fund collected under IChE training Institute as per the limit of the elected council members. The training Institute will make sincere effort to obtain funding from various sources, including, government agencies, AICTE, DST, etc. The Training Institute will also organize joint training programmes in collaboration with prestigious International and National Institutions

A separate Bank Account will be opened in the name of IChE Training Institute, The Account will be managed by the Finance and Accounts Officer of the IChE Headquarters and operated by any two of the following three:

1. Director General, IChE training Institute
2. Director, IChE training Institute
3. Any one of the Members out of Board of Directors.

The Board of Governors and the Board of Directors will be as follows:

Board of Governors	Board of Directors
Prof. A. S. K. Sinha (Chairman)	Prof. M. K. Jha (Director General)
Prof. Anil Kumar Saroha (Vice-chairman)	Dr. Madhu Agarwal
Shri D M Butala	Dr. Sunil Baran Kuila
Prof. V.V. Basava Rao	Mr. Dhawal Saxena
Prof. G.D. Yadav	Prof. N. Balasubramanian
Prof. M.V. Rao	Dr. Avijit Ghosh (Director)
Prof. C. Karthikeyan	
Prof. M. K. Jha	
Dr. Avijit Ghosh (Member Secretary)	

The Council also approved setting up of a dedicated office for IChE Training Institute in the Headquarters building for its independent functions. The Council also approved a budget of Rs. 5 lakhs for interior decoration of the training institute and office of the Honorary Secretary.

Selection of Editor-in-Chief (ICE)

As per the recommendation of the Search Committee, the Council decided to offer the post of Editor-in-Chief, *Indian Chemical Engineer* (ICE) to Prof. Anil Verma, Dept. of Chemical Engineering, IIT Delhi. The post will be offered for a period of five (5) years, w.e.f. January 2023.

Renewal of Agreement with Terra Green Technologies

The Council decided to renew the agreement with Terra Green Technologies Pvt. Ltd. for another one year with the same terms and conditions.

Regional Centre Affairs

Inauguration of new RCs

The Council approved requests for formal inauguration of the Regional Centres at Bhopal and Patna. Accordingly, the concerned functionaries of these two new RCs were requested

to organise inauguration programme in November 2022 for the occasion.

6.4 5th meeting for 2022, held at NIT, Warangal on 24 September 2022

Membership

Honorary Fellowship

As per the recommendation of the Honorary Fellowship Committee, the Council decided to award Honorary Fellowship to Prof. Nasib Qureshi, ARS Dept. of Agriculture, Govt. of USA and Mr. Sunil Agarwal, MD, Kamdhenu Group.

Student Chapter Affairs

New Student Chapters

The Council approved the formation of Student Chapter at the Department of Chemical Engineering, Marwadi University, Rajkot, under the guidance of the Baroda Regional Centre.

6.5 6th meeting for 2022 held at HBTU, Kanpur on 26 December, 2022.

Policy for Hosting CHEMCONs / SCHEMCONs

The Council had observed that the participation from the Regional Centres in the CHEMCONs was not noticeable though the Council allots each of the CHEMCON venues to one Regional Centre. Further, it has also been noticed that during the entire duration of CHEMCONs, IChE, as such, is not highlighted to the extent as it should be. Accordingly, it was suggested that henceforth, instead of the IChE RCs organizing CHEMCON, the Headquarters of IChE will be organizing the event at one of the Regional Centres as the venue. Also, there would be close coordination between the HQ and the Organizing RC for the overall planning.

The Council, after a long discussion decided that hence forth, the nomenclature of CHEMCONs would be as follows:

IChE CHEMCON (Year) (Annual function of IChE)

Organized by (Name of RC) at (Name of Place / Institution)

Similarly, the nomenclature of SCHEMCON should be:

IChE SCHEMCON (Year) (Annual Students function of IChE)

Organized by (Name of SC) at (Name of Place / Institution)

New Awards

The Council approved institution of the following four new awards in the year 2022:

i. Indorama Dhunseri Chemcon Distinguished Speaker Award

It was instituted with an endowment of Rs. 5.0 Lakh.

ii. Prof. A. Suryanarayana and Mrs. Vanajakshi Suryanarayana Best Author/(s) Award for a Chemical Engineering Book / Book Chapter (s)

A donation of Rs. 4.0 Lakh was received from Prof. A. Suryanarayana, Former Professor, NIT, Rourkela.

iii. Heritage Institute of Technology Award for Innovative Research and Sustainable Development

The award was instituted for 10 years with the provision of an annual payment of Rs.15,000/- (Award value of Rs. 10,000/- and Rs.5000/- HQ expenditure).

iv. Prof. Venkateswara Rao Malapati & Smt. Anjani Devi Endowment Lecture.

Prof. M. V. Rao donated Rs. 5.0 Lakh towards the Award Endowment Fund. The lecture will be delivered annually at CHEMCON on the subject of 'Green Energy and Environment for Sustainable Development'. The Speaker will be selected by the Council.

The Council further decided that for newly instituted awards, henceforth, 60% of the interest earned from the respective Award Endowment would be utilized for Award Honorarium, 30% would be ploughed back to the principal amount and the remaining 10% would be earmarked for Administrative Expenses.

Membership

Fellowship

As per the recommendation of the Honorary Fellowship Committee, the Council decided to award Fellowship to Dr. Mahesh Sreenivasa Murthy and Prof Anil Kumar Mehrotra.

Membership for Diploma Students

The Council decided that Diploma Students from Polytechnic Colleges would be given Associate Student Membership in order to differentiate with the UG Students. The Council further decided that a Student Chapter could be opened in Polytechnic Colleges but the Coordinator should be a faculty of the Polytechnic college as well a Member of IChE.

Organisational Membership

The Council approved Life Organizational Membership of the following organisations:

Calcutta Institute of Technology, Ulberia, West Bengal.

Mercury Educational Services, Kolkata

Kongu College of Engineering, Perundurai, Tamil Nadu.

Bhumistha Infra Services, Navi Mumbai

Benefits for Organisational Members

The Council discussed the matter of benefits that are being offered to the Organisational Members and decided on the following entitlements:

Based on an Organization's annual turnover, a maximum number of four (4) delegates will be able to attend CHEMON without paying any registration fees.

The concerned organization will receive a Membership Certificate with Unique Membership No. from IChE HQ and if the organization desires, its one-page profile can be published in the E-Newsletter of IChE.

At the CHEMCON venue, the Life Organizational Members will be offered space for its Banner / Standee or Stall at a subsidized rate.

Experts in relevant fields from the Member organizations will be invited at major seminars, workshops, training sessions and conferences as resource persons. Similarly, representatives from the Member organizations will be able to attend such events at subsidized fees (the same fees as paid by individual IChE members).

Subject to availability, Engineering Employees from the Member organizations will be entitled to avail of the Guest House facility at the IChE Headquarters in Kolkata at a discount.

New Portals

The Council was informed about two new portals, namely, 'Industrial Polyclinic' and 'Ask the Expert' for the IChE website, to be introduced after CHEMCON 2022. These portals are meant to benefit small industry as well as students, freshers and young engineers.

Student Chapter Affairs

New Students Chapters

The Council approved the formation of Students' Chapter at the Department of Chemical Engineering, D.Y. Patil College of Engineering, Kolhapur, subject to fulfilment of the criteria as laid down in Student Chapter By-laws. The SC will function under the guidance of Pune RC.

Research and Development

The Council noted that in the year 2022, the following research papers and research activities were carried out using the name of IChE:

Publication of Papers:

- a. Saptarshi Mitra, Aniruddha Hore, Sujoy Bose, Avijit Ghosh, presented "Green Pathway for Hydrogen Production" at SCHEMCON 2022 organised on 23 ~ 24 September 2022 and has been included in its proceedings.
- b. Priyanka Goel, Avijit Ghosh published research paper on "Applications of Graphene-based Electrocatalysts for PEMFC's – Material Today: Proceedings, Elsevier, 18th November 2022.
- c. Barsha Das, Sagnik Das, Soumyabrata Tewary, Sujoy Bose, Sandip Ghosh, Avijit Ghosh, are to present their work on "Efficient method for the extraction of Lithium from spent Li-ion battery", at CHEMCON 2022 to be held on 27-30 December, 2022 and included in CHEMCON 2022 Proceedings.

Patent Filing:

Dr. Biswajit Mandal, Mr. Swarnajit Bhattacharya, Dr. Avijit Ghosh and Mr Tapotanay Pal filed a patent on "Air Health monitoring system by IChE" jointly with Heritage Institute of Technology, Haldia, Institute of Technology and Terra-Green Technologies Pvt. Ltd.

Book Chapter:

Saptarshi Mitra, Aniruddha Hore, Sujoy Bose and Dr. Avijit Ghosh, submitted their research text on "Effect of Functionality and Microstructure on the Development of Ceramic Membrane".

Examination

To encourage the candidates of AMIChE, the Council decided that the pass mark for each subject would be 40 instead of 50 (out of 100) from the March 2023 semester.

6.5 1st meeting for 2023, held at HBTU, Kanpur on 29 December 2022.

Election of President

Prof. Anil K. Saroha was elected President of the Institute for the year 2023.

Election of two Vice-Presidents

Prof. C. Karthikeyan and Prof. K. S. Rajanandam were elected as Vice-Presidents of the Institute for the year 2023.

Election of Other Office Bearers

For the year 2023, the members elected Dr Avijit Ghosh as the Honorary Secretary of the Institute, Mr. S. S. Pokale as the Honorary Jt. Secretary; Mr. Sushanta Kumar Roy as the

Honorary Treasurer; Mr. Dhawal Saxena as the Honorary Registrar and Prof. Parag R. Gogate as the Honorary Controller of Examinations.

New Committees

The Council unanimously authorized the President and the Honorary Secretary to select the Convener, Chairman, and members of the 16 standing committees and three other committees before the 2nd council meeting for 2023.

6.6 .2nd Meeting for 2023, held at Osmania University, Hyderabad on 1 February, 2023

Formation of Committees

The Honorary Secretary briefed the Council about the composition of the 16 (Sixteen) Standing Committees and Other Committees for the year 2023. The committees were constituted in consultations with Prof. A.K. Saroha, President, Mr. D.M. Butala, President 2022 and Prof. M.K. Jha, President 2021.

Standing Committees 2023

Name of the Committees	Members
Admission Committee	Prof. R. Saravanan (Chairman) Mr. Dhawal Saxena (Convener) Prof. V Sapkal Dr. Madhu Agarwal Mr. P. D. Samudra Prof. Sudip Kumar Das Mr. Kushagra Singh
Publication Committee	Prof. A. B. Pandit (Chairman) Prof. Anil Verma (Convener) Prof. Prabirkumar Saha Prof. S. K. Gupta Prof. Shantanu Roy Prof. Arinjay Kumar Rajdip Bandyopadhyaya, IIT, Bombay Dr. Utkarsh Maheshwari (Invitee)
Examination Committee	Mr. Narendra M Surana (Chairman) Prof. Parag R. Gogate (Convener) Prof. Abhyuday Mallick Prof. Sudip Das Dr. S.K. Gupta Dr. Monal Dutta Dr. Rajat Chakraborty
Finance Committee	Prof. M. V. Rao (Chairman) Mr. S. K. Roy (Convener) Mr. D. M. Butala Dr. Avijit Ghosh Prof. B. B. Paira Prof. M. S. Rao Prof. Asim Kr. De Prof. Anil Saroha (Invitee)

Internal Audit Committee	Mr. D. M. Butala (Chairman) Mr. S. K. Roy (Convener) Dr. Avijit Ghosh Prof. V. V. Basava Rao Prof. Asit Kr. Saha Prof. B. B. Paira Prof. Priyabrata Sarkar
Legal Committee	Mr. D. M. Butala (Chairman) Dr. Avijit Ghosh (Convener) Prof. Vinay K Srivastava Prof. Asim Kr. De Prof. Chiranjib Bhattacharya Prof V V Basava Rao Mr. Abhijit Mitra
Regional Centre Affairs Committee	Prof. Vinay K Srivastava (Chairman) Prof. K. S. Rajanandam (Convener) Prof. P. De Mr. Dhawal Saxena Prof. S. B. Kuila Prof. M V Rao
Awards/Judges Committee	Prof. Anil K. Saroha (Chairman) Dr. Avijit Ghosh (Convener) Prof. G. D. Yadav Prof. B.B. Paira Prof. P. De Prof. V. V. Basava Rao Prof. B. P. Mandal Mr. D.M. Butala (Invitee)
Building Committee	Prof. Asim Kr. De (Chairman) Dr. Avijit Ghosh (Convener) Prof. B. B.Paira Mr. D. M. Butala Prof. Asit Majumder Prof. Asit Kr. Saha Prof. Abhuday Mallick
Education, Training and Research & Development Committee	Prof. C. Karthikeyan (Chairman) Prof. R. Saravanan (Convener) Dr. Avijit Ghosh Prof. K. B. Radhakrishnan Prof. M. Rajasimman Prof. S. B. Kuila Prof. K.S. Rajanandam
International Relations Committee	Prof. Anil K Saroha (Chairman) Prof. M. K. Jha (Convener)

	<p>Prof Anil K. Mehrotra Prof. Ajay Dalai Mr. D. M. Butala Dr. Sanjay Bhardwaj Mr. Praveen Saxena RC Vice president and Honorary Secretary are ex- officio members</p>
Library, Documentation and Website Committee	<p>Prof. Bishnupada Mandal (Chairman) Prof. M. S. Rao (Convener) Dr. Sanjib Barman Dr. Mehabub Rahaman Prof. Papita Das Prof. Rajat Chakraborty Dr. Utkarsh Mahaswari</p>
Student Chapter Affairs Committee	<p>Prof. S V. Satyanarayana (Chairman) Prof. C. Karthikeyan (Convener) Prof. K Badrinarayana Prof. M Srinivasa Rao Prof. G. M. J. Raju Prof. R Parthiban Prof. Debarati Mitra</p>
Honorary Fellowship Committee	<p>Prof. Anil K Saroha (Chairman) Dr. Avijit Ghosh (Convener) Prof. G D Yadav Mr. D. M. Butala Prof. P. De Prof. Vinay K Srivastava Prof. M. K. Jha</p>
Chemcon Distinguished Speaker	<p>Prof. Anil K. Saroha (Chairman) Dr. Avijit Ghosh (Convener) Prof. G. D. Yadav Prof. A. S. K. Sinha Mr. Biswanath Chattopadhyay Prof. B. B. Paira</p>
Process Safety, Environment & Energy Group	<p>Mr. D. M. Butala (Chairman) Smt Sheela (Convener) Dr. T. L. Prasad Dr. K. S. Rajanandam Mr. N. M. Surana Mr. Vijay Bhujle Mr. Shashikant S Pokale Prof. R. Saravanan</p>

Other Committees - 2023

Headquarters Office	Prof. B. B. Paira (Chairman)
Administrative Committee-2023	Dr. Avijit Ghosh (Convener) Mr. D. M. Butala Prof. Asim Kr. De Prof. Vinay K Srivastava Prof. K.S. Rajanandam Mr. P R Dutta Roy Prof. C. Karthikeyan (Invitee)
Chemcon & Schemcon Protocol Committee	Mr. D. M. Butala (Chairman) Mr. M. K. Jha (Convener) Prof. C. Karthikeyan Prof. M. V. Rao Prof. Rajanandam Prof. S. V. Satyanarayana Mr. Shashikant S Pokale Dr. Avijit Ghosh
Industry Institute Interaction Committee	Mr. Biswanath Chattopadhyay (Chairman) Mr. S. I Thakar (Convener) Mr. D. M. Butala Mr. Dhawal Saxena Dr. Asim Bhattacharya Dr. Utkarsh Maheswari Prof. M S Rao Prof. Parag R. Gogate (Invitee) Mr. Kushagra Singh (Invitee)

Administrative

Entitlement of TA

It was decided that henceforth (i.e., from 2023), the T.A entitlement for the President and Honorary Secretary will be enhanced to Rs 40,000/- per year from Rs 35,000/- per year.

Research and Development

The Council approved the following resolutions taken by the R&D Committee:

- Resolved to request all the IICHe council members to publish all papers with the affiliation as Life member, IICHe henceforth.
- Resolved to provide free registration in CHEMCON for those members, who publishes papers (in Scopus or Web of science indexed journals) with affiliation as Life member, IICHe.
- Resolved to give the cash awards only to those students, who publish papers with affiliation as Life member, IICHe in Scopus or Web of science indexed journals.

- Resolved to obtain a declaration from new members stating that they would publish papers with the affiliation as Life member, IICHe
- As a part of IICHe Platinum Jubilee Incentive to promote Higher Level of Project undertaken by Chemical Engineering Teaching faculty, it is resolved to award a cash incentive of Rs. 1 lakh for 5 teaching faculties for the best projects in the year 2023-2024 and subsequently, the same may be followed with a gap of every two years. The criteria for same will be formulated by an expert committee comprised of academia and industry professionals.

The Council also noted that as per the recommendation of R&D Committee, 19 B.Tech/B.E and 03 M.Tech/M.E projects from various AICTE approved institutes were selected and the seed money were also released.

7.0 Institute's Representatives to Various Bodies

- 1) **Asia Pacific Confederation of Chemical Engineering** – President, IICHe

2) Engineering Council of India -

Mr. D.M. Butala and Prof. A.K. Saroha

3) World Council of Chemical Engineering – President, IChE

8.0 Membership Position

Members, both Corporate and Organisational, are the mainstay of IChE. Without their constant support, the Institute cannot grow or pursue its objectives. IChE welcomed Honorary Fellows, Life Fellows, Life Members, Student Members, etc., as well as industry houses and academic institutions, joining the IChE fold as Organisational Members during the intervening period.

Membership position as on 31 March 2023 is given below along with the corresponding figures on March 31, 2022.

Categories	March 31,'23	March 31,'22
Organisational Member (Life)	107	103
Organisational Member (Annual)	62	62
Honorary Fellow	113	112
Fellow (Life)	136	135
Fellow	22	22
Member (Life)	5913	5730
Member	745	745
Life Associate Member	3338	3323
Associate Member	917	919
Student Member	24267	22,021

The number of Corporate Members, attached to each of the Regional the Centres (as on March 31, 2023) are as follows:

Sl. No	Regional Centre	No. of Members
1	Ahmedabad	209
2	Amaravathi	88
3	Amethi	24
4	Ankleshwar	511
5	Annamalai	84
6	Bangalore	207
7	Baroda	398
8	Bhopal	36
9	Bhubaneswar	165
10	Calcutta	713
11	Chandigarh	109
12	Chennai	526
13	Coimbatore	150

14	Damanjodi	58
15	Dehradun	47
16	Dhanbad	43
17	Doaba	48
18	Durgapur	29
19	Goa	15
20	Guwahati	139
21	Haldia	163
22	Hyderabad	509
23	Jaipur	88
24	Kalpakkam	95
25	Kanpur	105
26	Kharagpur	92
27	Kochi	328
28	Lote	51
29	Lucknow	49
30	Mangalore	81
31	Mumbai	902
32	Nadiad	31
33	Nagpur	97
34	Northern	488
35	Paradeep	43
36	Patna	64
37	Pilani	31
38	Pondicherry	33
39	Pune	254
40	Roorkee	27
41	Rourkela	51
42	Sriharikota	31
43	Srinagar	21
44	Trivandrum	158
45	Vapi	63
46	Waltair	243

The following organizations were admitted as Organizational Members of the Institute upto March 31, 2023:

Life Organisational Members – Industry	
1	Agile Process Chemicals LLP Navi Mumbai
2	Alkyl Amines Ltd.
3	Artemis Biotech Ltd., Mumbai
4	Asian Paints Ltd., Mumbai

5	Avon Organics Ltd., Hyderabad
6	Bentley Systems India Pvt. Ltd., Mumbai
7	Bhumistha Infra Services Navi Mumbai, Maharashtra
8	Birla Cellulosic, Bharuch
9	Blast Carboblocks Pvt. Ltd., Navi Mumbai
10	Deepak Fertilisers & Petrochemicals Corporation Ltd., Pune
11	Development Organization for Sustainable Transformation, Chandigarh
12	Dr Reddy's Laboratories Ltd., Hyderabad
13	Excel Industries Ltd., Mumbai
14	Firechem, Faridabad
15	Golden Chemicals (I) Ltd., Mumbai
16	Gujarat Alkalies & Chemicals Ltd., Baroda
17	Gujarat Heavy Chemicals Ltd., Veraval
18	Haldia Petrochemicals Ltd., Haldia
19	Haldor Topsoe International A/S, New Delhi
20	Heavy Water Board, Mumbai
21	Hercules Speciality Chemicals (India) Pvt. Ltd., Bangalore
22	Herdillia Chemicals Ltd., Mumbai
23	Hetero Drugs Ltd., Hyderabad
24	Hikal Ltd., Taloja, Maharashtra
25	Hindustan Dorr-Oliver Ltd., Mumbai
26	Hindustan Latex Ltd., Thiruvananthapuram
27	Indian Oil Corporation Ltd., Refinery Division, New Delhi
28	Jacobs H&G Pvt. Ltd., Mumbai
29	Kavaerner Powergas India Ltd., Mumbai
30	Kavin Engineering & Services Pvt. Ltd., Coimbatore
31	Labindia Instruments Pvt. Ltd., Thane
32	Llyod's Register of Shipping, New Delhi
33	Mecon Ltd., Ranchi
34	MMTC-PAMP India Pvt. Ltd., New Delhi
35	National Organic Chemicals Industries Ltd., Mumbai
36	Novo Iresc India Private Ltd., New Delhi
37	Oil and Natural Gas Corporation Ltd., Dehradun
38	Oster Chemical & Pharmaceutical Works Pvt. Ltd., Kolkata
39	Pidilite Industries Ltd., Mumbai

40	RPG Life Sciences Ltd., Mumbai
41	Sartorius India Pvt. Ltd., Bangalore
42	Terra-Green Technologies Pvt. Ltd., Kolkata
43	Themis Medicare Ltd., Mumbai
44	Toyo Engineering India Ltd., Mumbai
45	TUV Suddeutshland Ltd., Mumbai
46	United Phosphorus Ltd.,
47	Vical Inc., USA

Life Organisational Members – Research & Educational Institutes

1	Advanced Centre for Energetic Materials (ACEM) DRDO, Nasik
2	Annamalai University, Annamalai Nagar
3	Assam Engineering College, Guwahati
4	AVT Academy for Professional Education, Tiruvallur, Tamil Nadu
5	B V Raju Institute of Technology Narsapur, Medak
6	Bineswar Brahma Engineering College, Assam
7	BIT Sindri Institute Dist. Dhanbad, Jharkhand
8	Calcutta Institute of Technology, Howrah
9	Central Leather Research Institute, Chennai
10	Central Salt & Marine Chemicals Research Institute, Bhavnagar
11	Chaitanya Bharathi Institute of Technology, Hyderabad
12	Dibrugarh University Institute of Engineering and Technology, Dibrugarh
13	Dr. B.R. Ambedkar National Institute of Technology Jalandhar
14	Gharda Institute of Technology, Ratnagiri
15	HBTI, Kanpur
16	Haldia Institute of Technology, Haldia
17	Heritage Institute of Technology, Kolkata
18	High Energy Material Research Laboratory, Pune
19	IIIT Nuzvid, Rajiv Gandhi University of Knowledge Technologies, Nuzvid
20	Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu
21	Indian Institute of Chemical Technology, Hyderabad
22	Indian Institute of Petroleum & Energy, Visakhapatnam

23	Indian Institute of Science Education and Research, Bhopal
24	Indian Institute of Technology, Guwahati
25	Indian Institute of Technology, Kharagpur
26	Indore Institute of Science and Technology, Indore
27	Institute of Chemical Technology, Mumbai
28	JNTUA College of Engineering, Anantapur
29	KLE DR. M. S. Sheshgiri College of Engineering & Technology, Belgaum
30	Mahatma Gandhi Mission's College of Engineering & Technology, Navi Mumbai
31	Kongu Engineering College, Perundurai
32	Mercury Educational Services, Kolkata
33	Maulana Azad NIT, Bhopal
34	Mohamed Sathak Engineering College, Kilakarai
35	Motilal Nehru National Institute of Technology, Allahabad Prayagraj
36	Nandha Engineering College, Erode
37	National Chemical Laboratory, Pune
38	National Institute of Technology, Trichirapalli
39	National Institute of Technology, Durgapur
40	National Productivity Council, Chennai
41	Nuclear Fuel Complex, Hyderabad
42	Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi
43	SSBT's College of Engineering & Technology, Jalgaon, Maharashtra
44	Sant Longowal Institute of Engineering & Technology, Longowal, Punjab
45	Sarvajanik College of Engineering & Technology, Surat
46	Sathyabhama Engineering College, Chennai
47	Saveetha Engineering College, Chennai
48	Shivaji University, Vidyanagar, Maharashtra
49	Guru Gobind Singhji Institute of Engineering & Technology, Nanded, Maharashtra
50	RVR & JC College of Engineering, Guntur
51	Regional Research Laboratory, Jorhat
52	St. Joseph's College of Engineering, Chennai
53	SSN College of Engineering, Tamil Nadu
54	Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu

55	Swami Ramananda Tirtha Institute, Nalgonda
56	Vikram Sarabhai Space Centre, Thiruvananthapuram
57	University College of Technology Osmania University, Hyderabad
58	University Institute of Chemical Technology, North Maharashtra University, Jalgaon
59	Sir Visvesaraya Institute of Technology, Nasik
60	Shivajirao S. Jondhale College of Engineering, Thane

Annual Organisational Members – Industry

1	Andhra Sugar Ltd., Tanuku
2	Aventis Pharma Ltd., Bharuch
3	Beta Concepts, Hyderabad
4	Bharat Aluminium Co. Ktd., Korba
5	Bharat Petroleum Corporation Ltd., Mumbai
6	Bharuch Enviro Infrastructure Ltd., Ankleshwar
7	Birla VXL Ltd., Porbandar (Saurashtra Chemicals Ltd.)
8	Chemfab Alkalies Ltd., Pondicherry
9	Cheminova India Ltd., Bharuch
10	Chemplast Saanmar Ltd., Chennai
11	Coromondal Fertilizers Ltd., Secunderabad
12	DCW Ltd., Dharanghra, Gujarat
13	Deepak Nitrite Ltd., Nandesari Gujarat
14	Diamines & Chemicals Ltd., Baroda
15	Engineers India Ltd., New Delhi
16	Epsilon Carbon Pvt. Ltd., Mumbai
17	Fertilizers and Chemicals Ltd., Secunderabad
18	Garg Lab Glass Industries, Vapi, Gujarat
19	Gas Authority of India Ltd., New Delhi
20	Gujarat Ambuja Cements Ltd., Kodinar
21	Gujarat Insecticides Ltd., Ankleshwar
22	Gujarat Narmada Valley Fertilizers Co. Ltd., Narmadanagar
23	Gujarat Sidhee Cement Ltd., Veraval
24	Gujarat State Fertilizer & Chemicals Ltd., Vadodara
25	Heavy Water Plant, Tuticorin
26	HEL India Ltd., Thane
27	Heubach Colour Pvt. Ltd., Ankleshwar
28	Hindustan Antibiotics Ltd., Pune
29	Hindustan Insecticides Ltd., New Delhi

30	Hindustan Organic Chemicals Ltd., Rasayani, Maharashtra
31	Hindustan Paper Corporation Ltd., Calcutta
32	Indian Petrochemical Corporation Ltd., Baroda
33	Indian Rayon Ltd., Veraval, Gujarat
34	Kevin Enterprises Pvt. Ltd., Mumbai
35	Mafatlal Industries, (Navine Flourine Industries – Chemical Division) Mumbai
36	Narmada Chematur Petrochemicals Ltd., Varuch
37	NuChem Ltd., Faridabad
38	Saurashtra Cement Ltd., Gujarat
39	Sayantana Consultants Pvt. Ltd., Calcutta
40	Search Chem Industries Ltd., Jhagadia
41	Shriram Alkali & Chemicals, Bharuch
42	Shriram Fertilizers & Chemicals, Kota
43	SMPS Consultants LLP, Ahmedabad
44	Southern Petrochemical Industries Corp. Ltd., Chennai
45	Sun Pharmaceutical, Panoli
46	Surya Organics and Chemicals, Ankleshwar
47	Standard Industries Ltd., Mumbai
48	Standard Certification Council Pvt. Ltd., Mumbai
49	TCP Ltd., Chennai
50	Tata Chemicals Ltd., Mithapur
51	Textile Rubber & Chemical Co Pvt Ltd., Bhadohi
52	Trident Alco-Chem Ltd., Ludhiana
53	Vihita Chem Pvt. Ltd., Ankleshwar
54	Zuari Agro Chemicals Ltd., Zuarinagar, Goa
55	Zandu Chemicals Ltd., Ankleshwar

Annual Organisational Members – Research & Educational Institutes

1	Amal Jyothi College of Engineering, Kerala
2	Dalmia Institute of Scientific & Industrial Research, Rajganpur, Orissa
3	S M Engineering Institute, Kymore
4	St. Peter's Engineering College, Chennai
5	MVJ College of Engineering, Bangalore
6	Sriram Engineering College, Tamil Nadu
7	Arulmigu Meenakshi Amman College of Engineering, Tamilnadu

9.0 Associate Membership Examination

The number of candidates who appeared at the Institute's Associate Membership Examination during the last 10 years is provided below:

Year	No. of Candidates
2013	2283
2014	1872
2015	1427
2016	1206
2017	1083
2018	843
2019	564
2020	214 (only for March Semester)
2021	158 (only for September Semester)
2022	300

10.0 The number of candidates who appeared at the final part (Part III) of the Institute's Associate Membership Examination since 2013 is as follows. However, due to the pandemic, no examinations were conducted in 2021.

Year	Semester	No. Appeared	No. Passed	% of successful candidates
2013	March	80	68	85.0
	September	82	70	85.36
2014	March	48	46	95.83
	September	44	39	88.63
2015	March	54	50	92.59
	September	30	25	83.33
2016	March	62	58	93.55
	September	36	31	86.11
2017	March	31	28	90.03
	September	22	19	86.04
2018	March	47	43	91.48
	September	47	44	93.62
2019	March	26	25	96.15
	September	26	26	100.0
2020	March	24	23	95.83
	September	17	17	100
2021	March	-	-	-
	September	-	-	-
2022	March	54	50	92.59
	September	15	15	100

The following candidates, who appeared in September 2022 and March 2023 Associate Membership Examination, came out successfully.

September 2022 Associate Membership Examination

Sl. No	Name	Roll No
1	Jignesh Naredrabhai Agravat	10/M10/21
2	Dipak Halder	10/M10/94
3	VendiVeerraju	10/M10/165
4	Anuj Kumar	11/S11/449
5	Rajesh Kumar Sahani	12/M12/52
6	Ganeswara Rao Jyothula	15/M15/63
7	Mohamad Aadil	12/S12/297
8	Avvari Lakshmi Narayana	16/S16/87
9	Adarsh Kumar Soni	17/M17/1
10	Rajeev Kumar Singh	17/M17/12

11	Kashyap kumar L Dave	17/S17/128
12	Ashish Kumar Mishra	17/S17/143
13	Siddhartha Shankar Hore	17/S17/151
14	Karnapu Ramesh	18/S18/121
15	Mahida R Kamleshkumar	19/S19/33

March 2023 Associate Membership Examination

Sl. No	Name	Roll No
1	Satendra Pal Singh	06/M6/68
2	Pedamatla Narasingha Rao	12/S12/423
3	Dharmendra Kumar Panday	12/S12/471
4	.Zahid Khan Saqlaini	13/M13/96
5	Tarun Kumar	13/M13/186
6	RamdasChauriya	15/S15/156
7	Amitabh Patel	17/M17/36
8	Sonu Shankar Gupta	18/M18/15

10.0 IChE Awards 2022

Following is the list of IChE Awards, which were presented on the occasion of CHEMCON 2022 in recognition of eminence and excellence in various spheres of chemical engineering profession and education. The list of awardees is also provided.

IChE Awards - 2022

Sl. No.	Name of the Awards / Lecture	Awardees of the Year
1.	Dr.B.P.Godrej Life Time Achivement Award	Prof. Ashutosh Sharma IIT-Kanpur
2.	Shri Dhirubhai Ambani Orator & Chair Award	Prof. Ashutosh Sharma IIT-Kanpur In absence of Dr. S. Chandrasekhar Secretary, Department of Science & Technology, Govt. of India
3.	To honour Heritage Institute of Technology, Kolkata, for hosting ACMS-2022 on the occasion of IChE's 75 th Year's celebration and hosting Council Meeting	Mr. Pradip Agarwal CEO, Heritage Group of Institutions Prof. Basab Chaudhuri Principal, Heritage Institute of Tech &
4.	Lala Shriram National Award for Leadership in Chemical Industry	Shri Samir S Somaiya CMD, The Somaiya Group
5.	Herdillia Award For "Excellence in Basic Research in Chemical Engineering"	Dr. Vimal Chandra Srivastava G B Pant Institute Chair Professor, IIT-Roorkee
6.	NOCIL Award for Excellence in Design and Development of Process Plant and Equipment	Dr. A Gangani Rao Chief Scientist, CSIR-IICT,Hyderabad
7.	ICI India Ltd Award for Excellence in Process or Product Development	Professor Anil Kumar Saroha IIT-Delhi, New Delhi
8.	Amar Dye-Chem Award For "Excellence in Research and Development" for Chemical Engineering below the age of 35 years	Dr. Hari Prakash Veluswamy IIT Roorkee
9.	Dr K Anji Reddy Innovator of the Year in Chemical Engineering & Technology in India by Publishing in the Reputed International Journal in Chemical Engineering & Bio-Technology/Patents of Merit	Dr. Virendra Kisan Rathod ICT Mumbai

10.	Jubilant Award for Outstanding Work in the area of Green Technology	Dr. Biswajit Mandal Haldia Institute of Technology
11.	P K Nair Biennial Memorial Award for Excellence in Design or Development of Process Plant and Equipment	Ms. Sutanwi Lahiri BARC, Trombay, Mumbai
12.	Prof Ashutosh Sharma Award for Best Research Paper Published in a National/ International Journal by a Undergraduate Chemical Engineering Student (Female)	Ms Vrushali Rajendra Varude ICT Mumbai (Prof. A. B. Pandit would collect the award on her behalf)
13.	Prof Shyamal Kanti Sanyal Memorial Award for the best PhD Thesis in the Area of Membranes Research with Significant Commercial Potential	Dr. Kakali Priyam Goswami IIT Guwahati
14.	Padmashri Professor G D Yadav and Dr (Mrs) Vasanti G Yadav Awards for the Most Versatile Chemical Engineering/Technology Students in India (2 prizes – Best Male & Female)	Male – Mr. Soumyajit Kundu Heritage Institute of Technology Female – Ms. Bushra Mukhdoomi NIT Srinagar
15.	Solenis Bharat Ratna Prof C N R Rao Medal and Chemcon Distinguished Speaker Award	Prof. Nasib Qureshi ARS, Dept of Agriculture , Govt. of USA
16.	RPG Life Sciences Padma Vibhushan Prof M M Sharma Medal and Chemcon Distinguished Speaker Award	Dr. Shishir Sinha Director General, CIPET
17.	Asian Paints Padma Bibhushan Dr R A Mashelkar Medal and Chemcon Distinguished Speaker Award	Prof. Thaddues Ezeji Dept of Bio Engineering, Ohio State University, USA
18.	Deepak Group's Padma Bhushan Prof L K Doraiswamy Chemcon Distinguished Speaker Award	Prof. Jayant K. Singh Head, Dept of Chemical Engineering, IIT, Kanpur
19.	Hetero Drugs Prof G S Laddha Chemcon Distinguished Speaker Award	Mr. John Rodrigues Business Leader, Digital Transformation, Emersion
20.	Chemical Weekly's Padmashri Dr G P Kane Chemcon Distinguished Speaker Award	Ms. Perna Chatterjee Global Sustainability, Sr. Manager, BASF, NJ, USA
21.	CSIR-IICT-Avon's Padmashri Dr G S Sidhu Chemcon Distinguished Speaker Award	Mr. Ranjan Sinnarkar Director Sales, Emerson Automation Solutions, India
22.	Sartorius India's Chemcon Distinguished Speaker Award	Mr. Alok Pandit CEO, Equinox Software Services
23.	UPL Smt Sandra R Shroff Chemcon Distinguished Speaker Award	Prof. (Dr.) Asim K Duttaroy Faculty of Medicine, University of Oslo, Norway
24.	Hikal's Chemcon Distinguished Speaker Award	Mr. Goutam Samanta Head, PV Technology, Juniper Green Energy, Gurgaon
25.	CSIR-CSMCRI Chemcon Distinguished Speaker Award	Prof. Makarand M Ghangrekar Dept of Civil Engineering, IIT Kgp.
26.	CSIR-CLRI Padmabhushan Dr Y Nayudamma Chemcon Distinguished Speaker Award	Dr. Stephen Hughes Director, GenScript, USA
27.	DOST Professor S K Sharma Medal and Chemcon Distinguished Speaker Award	Dr. Veera M Boddu Environmental Protection Agency, Govt. of USA
28.	CSIR-NEERI CHEMCON Distinguished Speaker Award	Mr. Debabrata Ghosh Director Sales and VP (Sales & Mktg) Oerlikon Textile India Pvt. Ltd.
29.	CSIR-NCL's Professor K Venkataraman Chemcon Distinguished Speaker Award (Biennial)	Mr. Chirag Soni Sales & Technical Service Manager Eastman Chemical Co., USA

30.	Lab India's Padma Bhushan Professor R Kumar Chemcon Distinguished Speaker Award (Biennial)	Prof. Vinay Kumar Srivastava Past President, IICChE
31.	Indorama Dhunseri Chemcon Distinguished Speaker Award	Mr. Suresh Padmanabhan Global Technology Head (PET) Indorama Ventures Ltd., Thailand
32.	Chemcon Invited Speaker	Dr. D. Bhattacharyya Technical Director, Vision Craft Ind.
33.	Chemcon Invited Speaker	Mr. Pratteek Mahalwar CEO & Co-Founder, BLOWEG, Germany
34.	Chemcon Invited Speaker	Dr. S. Sridhar Senior Principal Scientist, CSIR-IICT, Hyderabad
35.	Chemcon Invited Speaker	Dr. Hiten Mehta VP, Global Supply Chain Head, Grasim Industries
36.	Shah-Schulman Award 'for the best Ph.D. thesis in the area of Colloid and Interface Science' for 2021	Dr. Iyman Abrar BITS Pilani, Hyderabad and Guide Dr. Ashok N Bhaskarwar, IIT Del
37.	Dr A V Rama Rao Fndn Best Ph D Thesis and Research Award	Dr. Somen Mondal, IIT Guwahati Guide Prof. Subrata Kr Majumder, IITG
38.	The Chemical Weekly Prize for Best Research Paper published in a High Impact Factor International Journal by an Undergraduate Chemical Engineering Student (First and Second Prizes)	1st Prize Mr. Shikhar Dinesh Singh ICT Mumbai 2nd Prize Ms. Pragya Narayana Prasad SVNIT, Surat
39.	Chemical Weekly Award for the Best Paper Published in the Institute's Journal (ICE-2021)	Dr. G M Jagannadha Raju , Andhra University Dr. G V S Sharma , Andhra University Dr. K V Ramesh , Andhra University Dr. C B Sarma , Andhra University
40.	IICChE NRC Award Best Paper in "Indian Chemical Engineer" 2021	Dr. G M Jagannadha Raju , Andhra University Dr. G V S Sharma , Andhra University Dr. K V Ramesh , Andhra University Dr. C B Sarma , Andhra University
41.	The Kuloor Memorial Award to the best technical paper published in the journal of the Institute in the issues of the preceding year	Dr. G M Jagannadha Raju , Andhra University Dr. G V S Sharma , Andhra University Dr. K V Ramesh , Andhra University Dr. C B Sarma , Andhra University
42.	IICChE NRC Award 2 nd Best Paper in "Indian Chemical Engineer" 2021	Dr. Rajat Chakraborty , Jadavpur University Dr. Monosij Maitra , Jadavpur University Dr. Swapnendu Chatterjee , Jadavpur University Dr. Punam Mukhopadhyay , Jadavpur University
43.	Sisir Kumar Mitra Memorial Award to the second best technical paper published in the journal of the Institute in the issues of the preceding year	Dr. Rajat Chakraborty , Jadavpur University Dr. Monosij Maitra , Jadavpur University Dr. Swapnendu Chatterjee , Jadavpur University Dr. Punam Mukhopadhyay , Jadavpur University
44.	IICChE NRC Award 3 rd Best Paper in "Indian Chemical Engineer" 2021	Ms. Meera T. Sose , and Dr. V K Rathod , ICT Mumbai
45.	Mrs.Chinnamaul Mem. Prize for Best Tech Paper presented in preceding year CHEMCON	Ms. Ritu Parashar , B. C. Nailwal N. Goswami , Soumitra Kar

		A K Adak, A K Singha, S C Parida S Mukhopadhyay (all from BARC)
46.	The Late Lakshmi Nandakumar Award for a Lady Student for the Best Presentation in the SCHEMCON of the Year	Ms. Kalyani Deshmukh ICT, Mumbai
47.	Gouri Dutta Award for the Best Paper Presentation in SCHEMCON of the Year	Mr. S S Mugesh Annamalai University
48.	Ambuja's Young Researcher's Awards for doing Post-Graduate Studies in India after GATE Examination (Ten Prizes)	1. Mr Appanu Sushvanth Reddy SVNIT Surat 2. Mr Debanjan Dutta , HeritagelT 3. Mr Prateek Chowdhury , HeritagelT 4. Mr Biswadeep Pal , IIT(ISM) 5. Mr Mangal , IIT Guwahati 6. Mr Annapureddy Praveen Kumar Reddy , IIT Guwahati 7. Mr Shanku Pratim Borah , IITG 8. Mr Rahul Painuly , IIT Jodhpur 9. Mr Goga Ram , IIT Jodhpur 10. Ms. Lakshmi Rajpoot , MNNIT
49.	Ambuja's Best Student Chapter Award (2 Prizes)	1st Prize SSN College of Engineering, Kalavakkam, Chennai 2nd Prize Sri Venkateswara College of Engg, Sriperumbudur, Chennai
50.	Pidilite's Best Student Chapter Award	Shroff S R Rotary Institute , Ankleshwar
51.	Prof.P.Sen Gupta Award for Best Employee of the Year	Mr Amlan Mondal Office Subordinate, IICHEHQ
52.	M P Chary Memorial Award	Dr. Debiparna De CSIR-IICT Hyderabad
53.	Dr H L Roy Memorial Lecture sponsored by Jacobs Worley	Mr. Nadir B Godrej Managing Director, Godrej Industries
54.	Aker Powergas's Prof N R Kamath and Mrs Ruzena Kamath Memorial Lecture	Professor Suddhasatwa Basu Director, CSIR-IMMT
55.	Inventaa C K Murthy Memorial Lecture	Dr. Atul N Vaidya Director, CSIR-NEERI
56.	Honorary Fellow	1. Prof. Nasib Qureshi , ARS, Dept of Agriculture, Govt. of USA 2. Mr. Sunil Agarwal , MD, Kamdhenu Limited, Gurgaon
57.	Fellow	1. Dr. Madhu Agarwal , MNIT Jaipur 2. Prof. Monoj Kumar Mondal , IIT (BHU), Varanasi 3. Dr. Mahesh Murthy , P S Manager, Egyptian Refinery Co. 4. Dr. Anil Kumar Mehrotra , DC&RE, Univ. of Calgary, Canada
58.	Best Regional Centre Trophy	Category "A" Best Hyderabad Regional Centre, IICHe Category "B" Best Amaravati Regional Centre, IICHe Category "B" Second Best Bhubneswar Regional Centre, IICHe

59.	Plaque for Regional Centres for hosting Council Meetings	<ol style="list-style-type: none"> 1. IChE Student Chapter at Heitage Institute of Technology (Special Meeting) 2. Srinagar Regional Centre (3rd Meeting) 3. Annamalai-Neyveli Regional Centr (4th Meeting) 4. IChE Student Chapter at NIT Warangal (5th Meeting) 5. Kanpur Regional Centre (6th Meeting)
60.	Plaque for Council Members	<ol style="list-style-type: none"> 1. Dr. G. S. V. Ratnam 2. Prof. S. V. Satyanarayana 3. Dr. Madhu Agarwal 4. Mr. D. M. Butala 5. Prof. Alpana Mahapatra 6. Mr. Praveen Saxena 7. Dr. M. P. Jain 8. Prof. Suddhasatwa Basu

11.0 Students' CHEMCON 2022

The 18th annual session of the Students' Chemical Engineering Congress (SCHEMCON-2022) was organized by the Department of Chemical Engineering, National Institute of Technology (NIT) Warangal under the aegis of the IChE Hyderabad Regional Centre on 23 and 24 September 2022. The central theme for SCHEMCON 2022 was 'Sustainable Technological Advancements in Chemical Industries -2022'.

The inaugural programme was graced by Padmashri Prof. G.D. Yadav, former Vice Chancellor, ICT Mumbai and Chief Patron of the conference, who was the Chief Guest and Prof. N.V. Ramana Rao, Director, NIT Warangal as well as Patron, SCHEMCON as the Guest of Honour. Mr. Dinesh Butala, President, IChE; Dr. Avijit Ghosh, Hony. Secretary, IChE. Dr. Sanjay Bhardwaj, Chairman, IChE Hyderabad RC, Prof. Ravikumar Puli, Dean, Student Welfare, NIT Warangal and Prof. S. Srinath, Head, Chemical Engineering, NIT Warangal and one of the Chairmen of SCHEMCON 2022, were also present on the occasion. The event was coordinated by Dr. Rajmohan K.S, the Secretary, Organizing Committee and Dr. Raghuraja Pandiyan, one of the Joint-Organizing Secretaries.

The Keynote Address was delivered by Padmashri Prof. G.D. Yadav. Eminent scientists, renowned academics from CSIR, DAE, IITs, Central University as well as Industry professionals delivered Invited Lectures on varied topics. Around 300 abstracts were received and around 280 papers (Oral and poster) were presented during SCHEMCON-2022.

The conference was conducted offline and online parallelly. While five parallel sessions were held offline, four parallel sessions were held online. Similarly, Invited Lectures were also delivered online and offline. Students presented their papers as well.

A Technical Quiz contest was also conducted for the students. Different faculty members from Chemical, Biotechnology,

Metallurgy, Mathematics, Chemistry, Mechanical and Computer Science from NIT Warangal rendered their support as Session Chairs besides the IChE Council members, IChE-HRC executive members.

A cultural show was put on by the students in the evening of 23 September. Prof. N.V. Ramana Rao was the Chief Guest at the programme.

For the Valedictory function on 24 September 2022, Shri. B. Rajagopal, Director of Industries, Telangana State was the Chief Guest. Prizes for the winners of technical and other events were also given away at this session. The name of the MP Chary Award winner was announced along with the recipients of the Best Female and the Best Male Presenter.

The two-day SCHEMCON-2022 witnessed keen participation in stimulating sessions of dialogues, discourses and discussions by professionals, academics, research scholars and students.

12.0 Library

The library at the Headquarters of the Institute in Kolkata has a stock of approximately 995 books. It receives around 60 issues of weekly journals, seven (7) issues of quarterly journals, nine (9) issues of bimonthly journal and 55 issues of monthly journals.

13.0 Regional Centre Affairs

Besides R&D related activities, Regional Centres and the Student Chapters under the aegis of the Regional Centres conduct various other programmes for skill enhancement, awareness building, networking, publicity, etc. An account of such activities is presented below.

Ahmedabad Regional Centre

Committee:

Chairman: Dr. Sachin Parikh, **Honorary Regional Secretary:** Dr. Satish Shah, **Honorary Regional Treasurer:** Prof. Pratik

Patel, **Member:** Dr. Paresh Rana, Prof. C G Bhagchandani, Mr. Ashish Soparkar, Mr. Mayank Parikh, Mr. Dinesh B Daga, Mr. Dinesh A Varma, Dr. A P Vyas, Dr. Milind Joshipura, **Ex-officio:** Dr. N M Patel, Co-opted: Dr. R N Desai, Dr. Ronak Patel and Mr. R G Shah

Amaravati Regional Centre

Committee:

Chairman: Mr. J Murali Mohan, **Vice-Chairman:** Dr. C V V Satyanarayan, **Honorary Regional Secretary:** Dr. M Venkateswara Rao, **Honorary Regional Joint Secretary:** Mr. R Banerjee Babu, **Honorary Regional Treasurer:** Dr. K Ramesh Chandra, **Members:** Mr. M Raghavaiah, Dr. C V Subrahmanyam, Mr. G Ramesh, Mr. N Jani Bhasha, Dr. Vinoth Kumar Raja, Mr. M Rama Krishna, Mr. N Renu Babu, Dr. P Vijetha Chowdhary, (**Immediate Past Chairman, Ex-officio:**) Dr. V Govardhana Rao, **Co-opted Members:** Mr. P Venkateswarlu, Mr. K Siva Prasada Rao, Mr. G Venu Babu, Dr. Banavath Anil Kumar Naik, **Invitees:** Dr. A Suryanarayana, Dr. K B K Rao, Dr. N Sambasiva Rao and Dr. T Subbaiah

Amethi Regional Centre

Committee:

Chairman: Dr. Rakesh Kumar, **Vice Chairman:** Dr. Gunjan K Agrahari, **Honorary Regional Secretary:** Dr. Shweta, **Honorary Regional Joint Secretary:** Dr. Deepak Dwivedi, **Honorary Regional Treasurer:** Dr. Karan Malik

Ankleshwar Regional Centre

Committee:

Chairman: Mr. S I Thakar, **Vice Chairmen (Panoli):** Mr. B D Dalwadi and Mr. Pravindan Gadhvi, **Vice Chairman (Bharuch):** Mr. M I Shamsi, **Vice Chairman (Dahej):** Mr. Manoj Kamaliya, **Honorary Regional Secretary:** Mr. A I Shaikh, **Honorary Regional Joint Secretary (Ankleshwar):** Mr. Sunil Motiramani, **Honorary Regional Joint Secretary (Dahej):** Mr. Sandeep Parekh, **Honorary Regional Joint Secretary (Bharuch):** Mr. B D Shah, **Honorary Regional Joint Secretary (Panoli):** Mr. Rilesh Mehta, **Honorary Regional Treasurer:** Mr. Snehal Transawala, **Members:** Mr. Ojash Shah, Mr. Jayesh B Modi, Mr. P G Dave, Mr N B Saraiya, Mr. Nitin Patel, Mr. R R Khandpur, Mr. Dinesh Patel, Mr. Ashutosh Kumar Singh, Mr. Shatish Shekhar, Mr. Ganesh R Sharma, Mr. Dhruvi A Mehta, Mr. B J Patel, Mr. Kapildev Vatse, **Co-opted Members:** Dr. Parimal A Parikh, Mr. K H Pandit and Mr Rajesh Bhavsar

Bangalore Regional Centre

Committee:

Chairman: Prof. Y.J. Rao, **Vice-Chairman:** Prof. G.A. Shareef, **Honorary Regional Secretary:** Dr. Koteswara Rao Jammula,

Honorary Joint Regional Secretary: Mr. S. Swaminathan, **Honorary Regional Treasurer:** Mr. G. Kishore Kumar, **Member:** Dr. A.B. Halgeri, Dr. K.S. Rajanandam, Dr. Archana, Dr. V. Venkatesham, Dr. Ravishankar R, Dr. N. Harindranath, Sri. K.A. Badarinarayana, Dr. Chandraprabha, Mr. P.T. Raghuram, Mr. Sagar J S, **Co-opted:** Dr. P.L. Muralidhara

Baroda Regional Centre

Committee:

Chairman: Dr. Sanjay Gandhi, **Vice-Chairmen:** Mr. R K Desai & Mr. N M Surana, **Honorary Regional Secretary:** Mr. Nikhil Tonapi, **Honorary Joint Regional Secretary:** Mr. Kisalaya Kumar, **Honorary Regional Treasurer:** Mr. Bhavin Shah, **Member:** Mr. K K Parmar, Mr. Jaiminkumar Patel, Mr. Vipul Javia, Mr. Manan Joshi, Mr. Sahabiddom Ahmed, Mr. Vipul Mehta, Mr. Mitesh Mehta, Mr. Mehul Patel, Mr. Prakash Patel, Ms. Sonali Masade, Ms. Krishna Pancholi.

Bhopal Regional Centre

Committee:

Chairman: Dr. Bharatkumar Modhera, **Vice-Chairman:** Dr. Sankar Chakma, **Honorary Regional Secretary:** Dr. Rupak Kishore, **Honorary Joint Regional Secretary:** Dr. Venkateshwar Rao Dugyala, **Honorary Treasurer:** Dr. Mahesh Ijjada

Bhubaneswar Regional Centre

Committee:

Chairman: Dr. (Mrs.) Swaty Mohanty, **Vice-Chairman:** Dr. Swagat S Rath, **Honorary Regional Secretary:** Dr. R. Boopathy, **Honorary Joint Regional Secretary:** Mr. Santosh Deb Barma, **Honorary Treasurer:** Dr (Ms) Barsha Marandi, **Members:** Dr. P C Rath, Er. J N Mohanty, Dr. C R Panda, Dr. N R Sahoo, Dr. R K Dwari and Dr. Swagatika Dash, **Coopted:** Mr. C Pattanik

Calcutta Regional Centre

Committee:

Chairman: Mr Kalyan Kumar Basu, **Vice-Chairman:** Prof Sudip Kumar Das, **Honorary Regional Secretary:** Mr. Parijat Mukopadhyay, **Honorary Joint Secretary:** Prof N K Brahma, **Honorary Regional Treasurer:** Mr Debashis Ghosh, **Members:** Mr Samirbaran Das, Dr Sanjib Barma, Mr Sisir Kumar Chakraborty, Mr Tapotanay Pal, Mr Anup Kumar Choudhuri, Prof Ashit Mazumder

Chandigarh Regional Centre

Committee:

Chairman: Prof S K Sharma, **Vice-Chairman:** Mr Vivek Gupta, **Honorary Regional Secretary:** Prof V K Rattan, **Honorary**

Joint Secretary: Dr Amit Sobti, **Honorary Regional Treasurer:** Mr Deepak Mehan, **Members:** Mr Sandeep Sharma, Prof Anupama Kaushik Sharma, Prof Ritu Gupta, Mr Krishan Gopal Sharma, Prof Amrit Pal Toor, Dr S S Bhinder, Dr Gaurav Rattan, Dr Sonia Sharma, **Co-opted Members:** Prof Anupama Thakur, Prof Seema Kapoor, Prof Meenakshi Goyal and Prof Sushil Kansal

Chennai Regional Centre

Committee (Designations not informed):

Dr. N Balasubramanina, Mr K Sadanand, Dr. N P Kavitha, Mr Rathinagiriswaran Rajaraman, Dr. E Muralidharan, Mr. D Manivannan, Mr. Anantharaman, Dr. Dharmendra K Mahendradas, Dr. S Renganathan, Dr. Bharathraja, Dr. C Jayakumar, **Ex-Officio:** Dr. R Parthiban, **Co-opted Members:** Mr. Vijay Samuel, Mrs. Vidhya Shankar and Mr. M N Bhaskaran

Guwahati Regional Centre

Committee:

Chairman: Prof Kaustubha Mohanry, **Vice-Chairman:** Prof S K Majumder, **Honorary Regional Secretary:** Prof Raghvendra Gupta, **Honorary Joint Regional Secretary:** Prof. R Anandalakshmi, Prof. Ashim Kumar Basumatary, **Honorary Regional Treasurer:** Prof Prakash Kotecha

Hyderabad Regional Centre

Committee: (Designations not informed)

Chairman: Prof S Altaf Hussain, **Members:** Prof. S Srinath, Prof T Bala Narasaiah, Dr. S Ilaiyah, Mr. Ch Appa Rao, Prof. M Mukunda Vani, Dr. K Prasad Babu, Dr. Sanjay Bhardwaj, Dr. Pavan Kumar Veldandi, Dr. P Sunitha and Mrs. D Shruthi Keerthi

Jaipur Regional Centre

Committee:

Chairperson: Dr. Madhu Agarwal, **Vice-Chairman:** Dr. Virender Kumar Jain, **Honorary Regional Secretary:** Dr. Rajeev Kumar Dohare, **Honorary Joint Regional Secretary:** Dr. Manisha Sharma, **Honorary Regional Treasurer:** Dr. Rohidas G Bhoi, **Members:** Er. S L Arora, Dr. Dipaloy Datta, Dr. U K Arun, Dr. Gaurav Kataria, Dr. Rahul Patwa, Er. Anish Yadav and Dr. Isha Arya, **Co-opted Member:** Prof. S P Chaurasia

Kanpur Regional Centre

Committee:

Chairman: Prof S K Gupta, **Vice-Chairman:** Dr Vinay Kumar Sachan, **Honorary Regional Secretary:** Dr G L Devnani, **Honorary Joint Regional Secretary:** Dr Dan Bahadur Pal, **Honorary Regional Treasurer:** Dr Ashutosh Mishra

Kochi Regional Centre

Committee:

Chairman: Dr. G Madhu, **Vice-Chairmen:** Mr. Sajjan M and Mr. Mohan N, **Honorary Regional Secretary:** Mr. Chandramohan T, **Honorary Joint Regional Secretary:** Mr Arun N, **Honorary Regional Treasurer:** Mr. Attoor Naveen

Mangalore Regional Centre

Committee:

Chairman: Prof SVSR Krishna Bandaru, **Vice-Chairmen:** Dr Keyur Raval and Mr I M Sadanand, **Honorary Regional Secretary:** Dr S Shanmuga Priya, **Honorary Joint Regional Secretary:** Dr Hari Prasad Dasari, **Honorary Regional Treasurer:** Dr Nethaji S

Northern Regional Centre

Committee:

Chairman: Dr Sachchida Nand, **Vice-Chairman:** Prof Anil Verma, **Honorary Regional Secretary:** Mr C P Srivastava, **Honorary Joint Regional Secretary:** Dr Dhiraj Kumar Garg, **Honorary Regional Treasurer:** Mr Amit Jain, **Members:** Prof Anil K Saroha, Mr Abhijit Bikas Pal, Prof S S Sambhi, Prof V K Srivastava, Mr Subhash Tandon, Dr Siddhartha Mukherjee, Dr Anomitra Chakravarty, Mr Anshuman Agrawal, **Co-opted Members:** Dr S N Chakravarty and Mr Shyam Bang

Pune Regional Centre

Committee:

Chairman: Dr Suyogkumar V Taralkar, **Honorary Regional Secretary:** Dr Utkarsh Maheshwari, **Honorary Regional Treasurer:** Dr Prafulla Garg, **Member:** Dr Sanjay P Kamble, Dr Subhash Vaidya, Dr C V Rode, Dr Vinay Bhandari, Mr Milind Talathi, Dr Manik Deosarkar, Dr Shashank Gaikwad, Mr Shripal Gaikwad, Mr Prashant Gongle, Ms Hemaleka Balu, **Ex-Officio (Immediate Past Chairman):** Mr Alok Pandit

Trivandrum Regional Centre

Committee:

Chairman: Dr Shaneeth M, **Vice-Chairperson:** Dr Lakshmi V M, **Vice-Chairman:** Dr Venugopal S, **Honorary Regional Secretary:** Dr Suresh Kumar A, **Honorary Joint Regional Secretary:** Ms Ambili K, **Honorary Regional Treasurer:** Mr Somnathan S, **Member:** Dr K B Radhakrishnan, Dr Gireesh Baiju, Dr Gomathi N, Dr Femina A, Mr P Sojan, Mr Senthil Kumar A, Mr Arjunraj M, Dr Venkateswaran C, Mr Vemula Girish Kumar, Mr Senthil Kumar E, Mr Rajesh E K, Mr Lakshman Yalisala, Mr Vura Chaitaya and Mr Vibhu Unnikrishnan

Vapi Regional Centre**Committee:**

Chairman: Mr Shashikant S Pokale, **Vice-Chairman:** Mr Uday Marbali, **Honorary Regional Secretary:** Mr Piyush Joshi, **Honorary Joint Regional Secretary:** Mr Jagdish Parmar,

Honorary Regional Treasurer: Mr Vinod S Kashalikar, **Members:** Dr Hiten M Bhatt, Mr J R Shah, Dr Yashawant Bhalerao, Mr Rameshchandra N Prajapati, Mr Maulick J Desai, Mr Kirit Shah, Mr Hasmukh K Doshi, Mr Devidas K Khubchandani, **Ex-officio:** Mr U M Rao **Co-opted:** Mr Vishal Patil and Arunkumar Yadav

Name of the Regional Centres	Non R&D Related Activities
Amethi	<p>a) Logo making competition:</p> <p>IChE-Amethi Regional Centre conducted a logo making competition on 12.09.2022. The contest had two parts: designing of the centre's logo and explaining significance. of the concerned logo.</p> <p>b) Student Chapter Activities</p> <ul style="list-style-type: none"> - Rajiv Gandhi Institute of Petroleum Technology (RGIT) Student Chapter under the auspices IChE-ARC conducted a College Writing contest on 20.10.2022 which was aimed at showcasing the participants' writing skills and creativity. - RGIT Student Chapter organized a debate session, focusing on the pros and cons of pursuing careers in core industries versus corporate sectors on 11.08.2022. This event aimed at providing insights and guidance to individuals for career choices in these domains. - VIT Student Chapter in collaboration with RGIT hosted 'Chem Blaze" on 13.11.2022. This event tested the participants' critical thinking abilities. - VIT and RGIT Student Chapters jointly organized "Ed-Ables". Participants were engaged in challenging and informative quizzes, showcasing their knowledge and competitiveness.
Bhopal	IChE-Bhopal Regional Centre was inaugurated by Prof. M M Sharma on 31.03.2023.
Jaipur	<p>a) Chem-O-Quiz</p> <p>An inter-college Chemical Engineering Quiz (Chem-O-Quiz) was organized by the Department of Chemical Engineering, Malaviya National Institute Jaipur in association with Jaipur Regional Center, IChE on 14.05.2022 at MNIT Jaipur in offline mode. The participating teams were from the chemical engineering colleges in Rajasthan State. The event was coordinated by Dr. Madhu Agarwal, Chairperson IChE, JRC; Dr. Rajeev Kumar Dohare, Hony. Regional Secretary, IChE, JRC; Dr. Rohidas Bhoi, Hony. Regional Treasurer IChE,JRC, and other team members.</p> <p>b) Student Competition on Industrial Idea Challenges (December 1-15, 2022)</p> <p>With a view to creating an awareness regarding the fields of Chemical and Civil Engineering and the exciting career opportunities therein, on 01.12.22, the Departments of Chemical and Civil Engineering organized a pan-India Industry-driven Online Industrial Idea Challenge. It was in collaboration with the industry partner, Terra Agro Biotech Pvt. Ltd. Jaipur (Mr. Abhishek Singh, Owner), who was also funding the prizes for the winners.</p> <p>School and College students (in separate categories) were given an industry challenge by the industry partner — 'Design of an Anaerobic Digester of 10 tons/day Capacity for Treating Chicken Litter and Cow Dung Mixture to Produce Biogas and Digestate for Commercial Applications'. They were invited to submit their mini- proposals to a panel of faculty at MUJ. The focus of the idea challenge was on the development of an optimized system for energy and resource recovery with the reduction in CO₂ emissions. The proposals were evaluated</p>

	<p>on their merits and the winners received prizes. The initiative of the Departments and the student submissions provided useful inputs to industry for developing real systems and boosted R&D efforts on university front as well.</p> <p>Objectives of the Event</p> <ol style="list-style-type: none"> 1. Exposure of students towards the domains of Chemical and Civil Engineering. 2. Development of problem-solving skills in the students. 3. Providing useful inputs to industry for developing real systems. 4. Facilitating R&D collaboration efforts between industry and the University. <p>c) Joint Indo-Canadian symposium on Energy and Environment (December 31, 2022)</p> <p>The symposium was organized on 31.12.2022 by Deanery of International & Alumni Affairs, MNIT Jaipur, University of Saskatchewan, Canada and IChE, Jaipur Regional Centre on 31.12.2022 on Energy and Environment. The Canadian delegates and Indian participants discussed the prospects of various technologies for Energy and Environment related issues. The objective of this symposium was to share expertise and research experience from both sides in the area of 'Sustainable energy and environment engineering'. The Canadian delegates included Prof. Ajay K. Dalai and Prof. Bishnu Acharya from the University of Saskatchewan, Prof. Sudip K. Rakhsit from Lakehead University, Prof. Animesh Dutta from the University of Guelph, Dr. Sonil Nanda and Dr. Tumpa Sarkar from University of Saskatchewan. They explained their work on the use of waste biomass for synthesis and utilization of several value-added products. Prof. S. P. Chaurasia, representing IChE-JRC also delivered a lecture on the use of membrane bioreactors in the synthesis of fuels from bio resources. Both Canadian delegates and Indian delegates emphasised the need for strong collaborations in addressing energy and environmental issues.</p>
<p>Kanpur</p>	<p>a) Raising Awareness: BIS Activity Event</p> <p>In a concerted effort to promote awareness about Bureau of Indian Standards (BIS) activities and its significant role in ensuring quality standards, an awareness programme was organized at the Department of Chemical Engineering, UIET CSJM University Kanpur. The event, held on 16.03.2023, served as an enlightening platform to inform students and faculty members about the essential work of BIS and its newly introduced BIS Care App.</p> <p>b) Empowering Futures: GATE-focused Career Counseling</p> <p>On January 28, 2023, the Department of Chemical Engineering at UIET CSJM University Kanpur hosted an event to guide the academic pathways and career aspirations of its students. A career counseling session titled 'Career after B.Tech. - Focused on Preparation for GATE' proved to be an enlightening platform for the students to gain insights into diverse career options and the significance of the Graduate Aptitude Test in Engineering (GATE).</p>
<p>Kochi</p>	<p>a) IChE Kochi Regional Centre extended its support and allowed the use of its logo at the first edition of the International Conference in Fluid, Thermal and Energy Systems – 2022 (ICFTES'22) at NIT Calicut from 9 – 11.06.2022 in virtual mode, which was conducted by The Department of Chemical Engineering and Mechanical Engineering, in technical collaboration with Stellenbosch University (Department of Mechanical & Mechatronics Engineering), South Africa.</p> <p>b) Outstanding Chemical Engineer Award-2022 was presented to Dr. R Venugopal, Joint Chief Controller of Explosives PESO, Govt of India, Vadodara and Prof Dr. G Madhu, School of Engineering, CUSAT.</p> <p>c) A National level Quiz Competition was conducted by the Student Chapter of Saint Gitts Engineering college. The ever rolling trophy for KALIGA'22 – NATIONAL LEVEL QUIZ</p>

	<p>COMPETITION was sponsored by IChE – Kochi and presented by Dr.Babu Jose , Chairman on 29.11.2022.</p> <p>d) IChE Kochi Regional Centre conducted an Online Certificate Course on Chemical Plant Operation from 20.03.2023 to 24.03.2023 for the chemical engineering students of the Government Polytechnic College, Kozhikode.</p> <p>e) IChE Kochi Regional Centre conducted another Online Certificate Course on Chemical Plant Operation from 18.07.2023 to 22.07.2023 for the chemical engineering students of Government Polytechnic College, Kozhikode.</p>
Mangalore	<p>a) Aquiz 2022 was organised on 31.08.2022.</p> <p>b) Alumni Guest Lecture was held on 10.09.2022</p> <p>c) Cheminsary (part of Techtatva) was held on 14.10.2022.</p> <p>d) Chemolava (part of Techtatva) was held on 15.10.2022.</p> <p>e) Inter-disciplinary Opportunities: A Higher Education Perspective (Panel discussion) was held on 29.10.2022</p> <p>f) A Lecture on ‘Sustainable Aviation Fuels’ was delivered by Dr Anil Sinha on 09.02.2023.</p>
Northern	<p>a) NRC Foundation Day</p> <p>The Foundation Day program was held on 28.01.2023 in the Auditorium, IChE-NRC. During the program merit-cum-means Scholarships were given to 20 students from UIET-CSJMU, MNIT-Jaipur, SLIET-Longowal, IIT-Roorkee, AMU-Aligarh, IIT Kanpur and NIT Hamirpur.</p> <p>b) Sponsorship</p> <p>i. IChE-NRC has been giving financial support of Rs. 25,000/- to SCHEMCON every year. In 2022 the IChE Student Chapter at NIT Warangal received the financial assistance to host SCHEMCON 2022.</p> <p>c) Scholarship</p> <p>NRC raised the scholarship amount under IChE-NRC Golden Jubilee Scholarship scheme from Rs.20,000/- to Rs.30,000/- from the year 2021-22 to encourage B.Tech and M.Tech Students. One scholarship of Rs. 20,000/- was also instituted by G J Samaj Kalyan Nyas. The recipients of scholarship were announced during the online programme on the occasion of Foundation Day Celebration of NRC, held on 15.01.2022.</p>
Vapi	<p>a) Industry Visits</p> <ul style="list-style-type: none"> - Industry visits to CETP, Krishna Fine Chemicals and Industrial Boilers were organized for Chemical Engineering students of GEC Valsad on 04.10.2022. - An industrial visit to Krishna Fine Chemicals – GIDC, Vapi for the Chemical Engineering students of Government Polytechnic Daman was organized on 31.01.2023.

14.0 Milestones of the Year (Beyond March 2023)

As per the convention, the Annual Report of the IChE Headquarters has covered activities of the Institute for the financial year April 2022 – March 2023. However, we deem it would be appropriate to keep our valued Members posted about important activities of the Institute that were conducted after March 2023.

Renovation of the HQ Building:

As part of the Platinum Jubilee celebration of IChE, the Headquarters building of the Institute (H.L. Roy Building) has been undergoing extensive renovation since last year. As part of the renovation process, the old lift was replaced with a new one. The interior of the building was painted after a thorough repairing work. The exterior of the building had been given a fresh paint last year itself.

Solar power grid

A 10-kilowatt Grid Connected Solar plant has been installed at the Headquarters building, which was inaugurated on 4 October 2023. This power grid has been installed with the assistance of the Kolkata-based Vikram Solar, which is one of India's leading solar panel manufacturers and power companies.

Prof. G D Yadav and Dr (Mrs) Vasanti G Yadav Award for the Most Versatile Chemical Engineering/Technology Students

Prof. G.D. Yadav has donated Rs. 2,80,000/- as a top-up to the original endowment amount for the Padmashri Professor G D Yadav and Dr (Mrs) Vasanti G Yadav Award for the Most Versatile Chemical Engineering/Technology Students in India (2 prizes – Best Male & Female). Accordingly, the total endowment value for the award has become Rs. 5.0 lakh. The award money has been increased from Rs. 5,000 to Rs. 6,000 each.

New Regional Centre:

The Council, in its 5th meeting of the year on 22 September 2023, approved formation of a new Regional Centre at Kozhikode, which will function from NIT, Calicut. With this addition, the total number of Regional Centres of IChE stands at 76.

SCHEMCON

The 19th Annual Session of Chemical Engineering Students Congress, SCHEMCON-2023, was organized by the Department of Chemical Engineering, Kongu Engineering College Student Chapter and Coimbatore Regional Centre, IChE on 22 and 23 September 2023.

CHEMCON

IChE is all geared up for IChE-CHEMCON 2023, the 76th Annual Session of the Institute, to be organised by the IChE Headquarters in Kolkata during 27 – 30 December 2023 at the premises of Heritage Institute of Technology, Kolkata. The central theme for the event has been decided to be 'Energy Transition: Challenges and Opportunities'. With CHEMCON 2023, the Platinum Jubilee celebration of IChE that was flagged off in April 2022, will come to a conclusion.

CHEMCON Sponsors and Partners

Reliance Industries Ltd.	Chennai Petroleum Corporation Ltd.
Haldia Petrochemicals & MCPPI	Nandesari Industries Association
Godrej Industries Ltd.	Bhumistha Infra Services
L&T Energy Hydrocarbon	BEIL
Indian Oil Corporation Ltd.	Excel Industries Ltd.
West Bengal Power Development Corporation Ltd.	COMSOL
Pidilite Industries	MATIX Fertiliser and Chemicals
IVL-Dhunseri Petrochem Industries Pvt. Ltd.	DCPL
Wacker Metroark Chemicals Pvt. Ltd.	Indian Chamber of Commerce
Aarti Industries Ltd.	Indian Rubber Manufacturers Research Association
Balmer Lawrie & Co. Ltd.	ROOFSOL
Somaiya Vidyavihar University	Edward Food Research and Analysis Centre
Jadavpur University	Indian Chemical News
University of Calcutta	Rajiv Gandhi Institute of Petroleum Technology

IChE Meetings between 1 April 2022 - 31 March 2023

Council meetings and dates:

Meeting	Dates
Special Council Meeting	16.04.2022
Emergency Council Meeting	08.06.2022
3 rd Council Meeting	02.07.2022
4 th Council Meeting	26.08.2022
5 th Council Meeting	24.09.2022
6 th Council Meeting	26.12.2022
1 st Council Meeting	29.01.2023

2 nd Council Meeting	01.02.2023
1 st Emergency Meeting of Council for 2023	23.03.2023
2 nd Emergency Meeting of Council for 2023	25.03.2023
Emergency Meeting of the Council	29.03.2023

Committee meetings and dates:

1 st meeting of the Building Committee	25.05.2022
2 nd meeting of the Finance Committee	26.05.2022
1 st Office Bearers Meeting	04.06.2022
1 st meeting of the PSEE Committee	12.06.2022
3 rd meeting of the Finance Committee	28.07.2022
IChE-CHEMCON 2023 Meeting	29.07.2022
1 st meeting of Education, Training and R&D Committee	06.08.2022
2 nd meeting of the Building Committee	03.09.2022
2 nd IChE-CHEMCON 2023 Meeting	18.09.2022
IChE-CHEMCON 2023 Meeting	09.11.2022

IChE-CHEMCON 2023 Meeting with Chairman, LOC	10.11.2022
Special Meeting with the President at Patna	13.11.2022
IChE-CHEMCON 2023 Meeting with HIT Management	26.11.2022
IChE-CHEMCON 2023 Meeting	29.11.2022
4 th meeting of the Finance Committee	03.12..2022
Meeting of the Office Administrative Committee	17.12..2022
1 st meeting of Education, Training and R&D Committee	17.01.2023

15.0 Acknowledgement

The Council expresses its sincere thanks to the Honorary Office Bearers for spending much of their valuable time in rendering service to the Institute. The Council also appreciates the sincere work and utmost cooperation received from the members of the Headquarters staff of the Institute. Finally, the Council is indebted to all the donors, sponsors and well wishers for wholeheartedly supporting activities of the Institute.

Dr. Avijit Ghosh
Honorary Secretary

**List of Corporate Members present at
75th (Seventy-Fifth) Annual General Meeting, IICChE – 2022**

Members who were present online					
SI.No.	Name	Membership No.	SI.No.	Name	Membership No.
1.	Butala, Mr. D.M.	LM-03368	24.	Sajan, Mr. M.	LAM-29436
2.	Jha, Prof. M.K.	LF-09764	25.	Prabhakaran, Mr. K. P.	LM-07099
3.	Karthikeyan, Prof. C	LM-17257	26.	Trivedi, Prof. R.K.	LM-30960
4.	Rao, Prof. M. V.	LM-06492	27.	Garg, Dr. Rajesh Kumar	LM-51193
5.	Ghosh, Dr. Avijit	LM-50202	28.	Sachan, Dr. V.K.	LM-29714
6.	Saxena, Mr. Praveen	LF-24415	29.	Biswas, Dr. Koushik Guha	LM-72836
7.	Saha, Prof. Asit Kumar	LM-37968	30.	Agrahari, Dr. Gunjan Kumar	LM-72835
8.	Roy, Mr. S.K.	LM-08162	31.	Kumar, Mr. G. Kishore	LAM-14193
9.	Gupta, Prof. S.K.	LM-19814	32.	Srivastava, Prof. V.K.	LF-07839
10.	Raju, Prof. G.M.J.	LM-17533	33.	Patel, Mr. Mahendra A.	LM-35101
11.	Mahapatra, Prof. Alpana	LM-20164	34.	Prasad, Dr. T.L.	LF-09599
12.	Rajanandam, Prof. K.S.	LM-07327	35.	Mandal, Dr. Biswajit	LM-45506
13.	Saravanan Prof. R.	LM-26932	36.	Pal, Mr. Tapotanay	LM-66058
14.	Jain, Dr. M.P.	LM-08262	37.	Ghosh, Dr. Sanjoy	LF-33740
15.	Saroha, Prof. Anil K.	LF-27776	38.	Shibabhai Mr. S. Thakarbai	LM-73267
16.	Satyanarayana, Prof. S.V.	LF-13584	39.	Havaladar, Mr. M. R.	LM-55181
17.	Rao, Prof. M.S.	LM-13568	40.	Modi, Mr. Jayesh B	LM-22382
18.	Thakar, Mr. Sunil Indulal	LM-29117	41.	Bajpai, Dr. P. K.	LM-07108
19.	Saxena, Mr. Dhawal	LM-43343	42.	Kumar, Mr. Jitendra	LM-73322
20.	Gogate, Prof. Parag R.	LM-27350	43.	Narasimhan, Mr. R.	LM-01179
21.	Maheshwari, Dr. Utkarsh	LM-38850	44.	Bhardwaj, Dr. Sanjay	LM-56227
22.	Parthiban, Prof. R.	LM-09315	45.	Ilaiah, Mr. S.	LAM-54313
23.	Verma, Prof. Anil	LF-23114	46.	Bose, Dr. Sujoy	LAM-61192



Indian Institute of Chemical Engineers

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