

**Annual Report**  
**2020-21**  
(April 1, 2020 to March 31, 2021)



**Indian Institute of Chemical Engineers**

Dr H. L. Roy Building  
Jadavpur University Campus  
Raja S. C. Mullick Road  
Kolkata 700 032

## List of Council Members for 2020 & 2021

2020	Designation	2021
Prof V V Basava Rao, Plot No. 184, Tirumala Nagar Colony, Meerpet (V), Moulali Housing Board, Hyderabad 500 040, Telangana State, [Mobile]:9989156705, <a href="mailto:profbasavarao_1964@yahoo.com">profbasavarao_1964@yahoo.com</a>	President	Dr M K Jha, Professor, Department of Chemical Engineering, National Institute of Technology, Jalandhar 144 011, Punjab, [Mobile]: 9417290668 , <a href="mailto:jhamkin@yahoo.co.in">jhamkin@yahoo.co.in</a>
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**Indian Institute of Chemical Engineers  
Kolkata – 700 032**

**Annual Report for 2020-2021**

## **1.0 Introduction**

The report covers major activities of the Institute during the period 1 April 2020 to 31 March 2021.

## **2.0 73<sup>rd</sup> Annual Session and CHEMCON 2020**

The 73<sup>rd</sup> Annual Session of Indian Institute of Chemical Engineers (IChE), i.e., Indian Chemical Engineering Congress (CHEMCON 2020), was jointly organized by the Headquarters of IChE and the Hyderabad Regional Centre of IChE during 27 - 29 December 2020 through digital mode. The central theme for this year's CHEMCON was 'Exploring Recent Trends in Chemical Engineering'.

CHEMCON 2020 was inaugurated by **Prof. K. Vijay Raghavan**, Principal Scientific Adviser to the Government of India, who was the Chief Guest for the event. The Guests of Honours for the Inaugural Programme were **Prof. V. V. Basava Rao**, President, IChE; Padma Shri **Prof. G.D. Yadav**, former President and former Vice Chancellor, ICT Mumbai; **Prof. S. Venkateshwar**, former President, IChE and **Shri. Ch. Satyanarayana**, Chairman, Inventaa Industries Pvt Ltd.

Of the three prestigious Memorial Lectures, **Dr. H.L. Roy Memorial Lecture** was delivered by **Prof. Bala Subramaniam**, University of Kansas (KU) USA; **Aker Powergas's Prof. N.R. Kamath & Mrs. Ruzena Kamath Memorial Lecture** was delivered by **Dr. R.R. Sonde**, Vice President, Thermax and **Inventaa C K Murthy Memorial Lecture** by **Prof. Debangsu Bhattacharya**, West Virginia University, USA.

There were two panel discussions, held on 'Atma Nirbhar Bharat: Role of Engineers on Indigenization' and 'Vocal for Local: A Necessity for the Country's Growth'. Mr. Praveen Saxena was the moderator for both the sessions. Thirteen distinguished panellists participated in the discussions.

The Dhirubhai Ambani Commemoration day, another leading event under the CHEMCON umbrella, was observed on 28 December. Dr. Renu Swarup, Secretary, Department of Biotechnology, Government of India was the Chief Guest on the occasion. She made a presentation on 'New Emerging Technologies & Tools: Driving the Bioeconomy Growth'. The Guests of Honours, who were present online, were Prof. V. V. Basava Rao, and Padma Shri Prof. G. D. Yadav.

CHEMCON 2020 came to an end with the Valedictory Address by Prof. Georges Belfort, Member, US National Academy of

Engineering. The Guests of Honour for the session were Shri Raj Nair, Chairman, Avalon Consulting Ltd. and Dr. K Sainath, Managing Director, Clair Engineers Pvt. Ltd. Chairpersons were Prof V.V. Basava Rao, Prof. M.V Rao, Vice President, IChE and Mr. Praveen Saxena, Vice President, IChE. The Valedictory Session concluded with Vote of Thanks, given by the two Organizing Secretaries, Dr. Avijit Ghosh and Dr. Sanjay Bhardwaj.

CHEMCON-2020 was sponsored by leading industry houses and institutions of India, namely, Reliance Industries Limited, which was the 'Gold Sponsor' and Bhagiradha Chemicals & Industries Limited, which was the 'Silver Sponsor'. Inventaa Industries Pvt. Ltd; Clair; Blast Carboblocks Pvt. Ltd; Emerson; Asita Engineering Consultants; Maathrusri Engineers; NFC; Photon Life Sciences; Resil; Excel Tech; Ulhas V. Parlikar were the other co-sponsors.

### **Award Presentation**

An impressive award presentation function was held following the inauguration. The most prestigious National Awards of IChE, namely, Dr. B P Godrej Life Time Achievement Award was conferred upon Mr. P.K.N. Panicker, former President of IChE and Chemical Industries Association, distinguished Chemical Engineer and a Project Consultant.

Lala Shriram National Award for Leadership in Chemical Industry was conferred upon Mr. D.M. Butala, a Corporate Management Expert, Consulting Engineer and a Senior Member of IChE, who has been associated with the Institute in many capacities over the years.

Names of all the awards and a list of awardees are available in **Section 10.0**.

### **73<sup>rd</sup> Annual General Meeting**

The 73<sup>rd</sup> (seventy-third) Annual General Meeting (AGM) of the Institute was held on December 28, 2020 at the Osmania University, Hyderabad. Prof. V. V. Basava Rao, President of the Institute for 2020, chaired the meeting. The AGM was attended by 84 Corporate Members offline and online.

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

- i. **Adoption of 72<sup>nd</sup> AGM Minutes:** The minutes of the 72<sup>nd</sup> (Seventy-second) Annual General Meeting, held on December 17, 2019 at Indian Institute of Technology,

Delhi, were confirmed, as proposed by Prof. N. Balasubramanian and seconded by Prof. B. B. Paira.

- ii. **Adoption of EGM Minutes:** The meeting adopted the minutes of the EGM of the Institute as proposed by Prof. B. B. Paira and seconded by Dr. K. B. Radhakrishnan, held online on October 28, 2020.
- iii. **Ratification of Revised amendments of Constitution:** The revised amendments of the IChE Constitution, as approved by the Council 2020, were placed in the meeting. Certain points of the amendments were confirmed at the AGM as proposed by Prof. Vinay Kumar Srivastava and seconded by Mr. Bhaskar Reddy with some changes in the clauses. The rest of the items of the revised amendments were decided to be considered when a physical meeting would be held in the near future.
- iv. **Adoption of the Annual Report for 2019-2020 and Adoption of Audited Statement of Accounts (2019-2020):** The Honorary Secretary briefly presented activity reports of the Regional Centres and the Students' Chapters, conducted throughout the reporting year. He also briefed about all the meetings (Council meetings and Sub-committee meetings), conducted during 2020 in the prevailing COVID 19 situations. The meeting unanimously adopted the Annual Report of the Institute and audited statement of the Accounts as proposed by Mr. C P Ramulu and seconded by Dr. Sanjay Bharadwaj.
- v. **Suspension of Paradeep RC:** Members unanimously decided to suspend Paradeep Regional Centre as it was non-functional for long, not responding to queries from the Headquarters and had not submitted Annual Accounts for the FY 2018-19 and 2019-20 along with the Annual Reports of activities.
- vi. **Appointment of Auditors:** The meeting decided to appoint K. Jana & Associates, Chartered Accountants, (South End Conclave, Unit – 005, Ground Floor, 1582, Rajdanga Main Road, Kolkata – 700107) as the Auditors of the Institute for the financial year 2020-2021 to handle the IChE Headquarters Accounts and the IChE Consolidated Accounts as well as all tax related matters. Their remuneration was fixed at Rs. 35,000/- + GST.
- vii. **Miscellaneous:**
  - a. Prof Sunil Baran Kuila was inducted as a Council Member for the year 2021 to fill up a vacancy from the Eastern Zone. His name was proposed by Mr. Ranga Rao and Seconded by Prof. M. K. Jha.

- b. The members approved the proposal by the Honorary Secretary to increase the number of Honorary Fellows of the Institute from 125 (as laid down in the Guidelines of the Constitution) to 150. The members requested the Honorary Secretary to include this point in the Constitution amendments (2020).

Moreover, it was also recommended that in a year a maximum of two (02) Honorary Fellowships will be awarded by the Institute.

- c. The provision of SBI e-collect was adopted for all types of payment, to be received at the Headquarters.

The members conveyed their gratitude to the President, Prof. V. V. Basava Rao and the Honorary Secretary, Dr. Avijit Ghosh, particularly for streamlining and reforming the overall accounting process of IChE.

The meeting ended with a vote of thanks to the Chair

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

The Institute is recognized upto 31.3.23 by the Department of Science and Technology, Government of India, as a Scientific and Industrial Research Organization (Vide Ref. F.No.11/57/88–TU–V, Dated: 16.9.20). Some of the R&D projects, funded by IChE, which are presently underway include:

- Development of economically viable peeling and dissolution process for active cathode of the lithium-iron batteries.

PI: Dr Ravi Methekar, Visvesvaraya National Institute of Technology, Nagpur.

- Development of an Economic Appliance for household Waste Disposal.

PI: Dr Madhusree Kundu, National Institute of Technology, Rourkela.

- Design and Development of MnO<sub>2</sub> - Nitrogen Doped Biomass - based Graphene - PEDOT electrode materials for electrochemical energy storage Application.

PI: Dr R Saravaanathamizhan. Anna University, Chennai.

#### 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 aegis of the RCs are presented below. For the RCs, the 1-year period covers July 2020 – June 2021.

Name of the Regional Centres	R&D Related Activities
Amaravati	<p><b>a) FDP on Recent Innovations and Developments in Membrane Technology-</b> National Institute of Technology, Andhra Pradesh, Tadepalligudem, in association with Chemical Engineering Association, NIT AP and IChE ARC organized a five day virtual Faculty Development Programme (FDP) on “Recent Innovations and Developments in Membrane Technology” during 26-30 October 2020</p> <p><b>b) Talks:</b></p> <ol style="list-style-type: none"> <li>1) On ‘Low Cost Tubular Ceramic Membranes for Wastewater Treatment’ by Prof G Pugazhenth, IIT-Guwahati.</li> <li>2) On ‘Novel Polymeric Membranes for Application in Microbial Fuel Cell’ by Prof P Paban Kundu, IIT-Roorkee.</li> <li>3) On ‘Design of Membranes for Mitigation of COVID-19 and Water Borne Diseases’ by Dr S Sridhar, CSIR-IICT, Hyderabad</li> <li>4) On ‘Separation of liquid mixtures by prevaporation-challenges and opportunities’ by Prof S V Satyanarayana, JNTU – Anantapur</li> <li>5) On ‘Hybrid Membrane Systems for the Removal of Micropollutants’ by Dr Vinoth Kumar Raja, NIT-Andhra Pradesh</li> </ol> <p><b>c) Student Chapter:</b> RVR &amp; JCCE Student Chapter Organized Expert Lectures on the topic: – ‘Role of Chemical Engineer in Resin Industry’ by Dr Shaik Ibrahim, CEO &amp; Director, ABIA Consultancy, on 08.02.2021</p> <p><b>d) Online Training Programme:</b> – Aptitude Training conducted at Sri Jalapati Sreedhar, Trimphant Training Solutions, Hyderabad from 07.06.2021 to 21.06.2021</p> <p><b>e) Expert Lecture:-</b> – On ‘Crude Oil processing and manufacturing of finished petroleum products as per the latest specifications’ by Mr S Chiranjeevulu, Retired Chief Manager, MRPL, on 29.01.2021</p> <p><b>f) Online Summer Internship</b> – Online Internship Programme was held in association with IChE HQ, Kolkata</p>
Ankleshwar	<p><b>a) Webinar</b> – A webinar series held in May-June 2021 with seven industries presenting their organization. Best Chemical Engineer Award 2021 held with entries from industries and academic institutions.</p> <p><b>b) Student Chapter:</b> IChE-ARC members aligned with Student Chapter Colleges in their various online training courses during the year, giving expert talks.</p>
Baroda	<p><b>a) Training programme</b> A three day programme on HAZOP Study held during 2-4th February 2021 by Mr D M Butala, Ex ED, GSFC.</p>
Bhubaneswar	<p><b>a) Talk</b> An invited talk was organized on 22.01.2021 in association with CSIR-IMMT on the topic ‘Atomistic Molecular Dynamic Insights on the dissolution of lignocellulosic biomass with ionic liquids and eutectic mixtures’ delivered by Prof Tamal Banerjee, Dept of Chemical Engineering, IIT-Guwahati over the online platform.</p>

<p><b>Calcutta</b></p>	<p><b>a) Technical Lecture</b></p> <ul style="list-style-type: none"> <li>– On ‘Application of AI &amp; Machine Learning in Data Science’ by Dr Subhankar Dhar, Professor, School of Information Systems and Technology, San Jose State University, USA.</li> <li>– On ‘Supply Chain Management – Petroleum Industry’ by Mr Kumar Biswas.</li> </ul> <p><b>b) Seminar</b></p> <p>A Two-day National Seminar on Project Management Concerns, Techniques and Solutions in association with PMI, West Bengal chapter was organized with participation from Industries, i.e., Steel &amp; Metal, Oil &amp; Gas, Hydrocarbon, Energy &amp; Infrastructure sector, Engineering Consultants, EPC Contractors, IT Industry, etc.</p> <p><b>c) Student Chapter Activities:</b></p> <p>Heritage Institute of Technology, Kolkata organized ChEMSPAK-2021 at the Department of Chemical Engineering, IChE Student Chapter at HIT, Kolkata on 31.01.2021 virtually.</p>
<p><b>Chandigarh</b></p>	<p><b>a) Webinar</b></p> <ul style="list-style-type: none"> <li>– On the topic “Energy and Environment a New Paradigm” by Dr S K Sharma, Professor-Emeritus, ERC, Punjab University on 20.08.2020.</li> <li>– On “The role of Chemical Engineering in MSMEs” by Mr Rakesh Rattan Agarwal, an alumnus and Industrialist on 02.11.2020, the Founders’ Day.</li> </ul> <p><b>b) Student Chapter Activities:</b>IChE Student Chapter at PU organized an Orientation Programme virtually on 25.11.2020.</p> <ul style="list-style-type: none"> <li>– Quiz contest was held on the occasion</li> <li>– A three day online workshop was held during 8-10.01.2021 on the topic ‘Skill Cart: Unfurl the job market’ in collaboration with ‘Hitbulls Eye’ for the students to develop the right skills to build a bright future.</li> </ul> <p><b>c) Symposium</b></p> <ul style="list-style-type: none"> <li>– On the topic “Opportunities &amp; Challenges for Chemical Engineers” under the aegis of IChE Student Chapter at St Longowal Institute of Engineering &amp; Technology held on 07.08.2020.</li> </ul>
<p><b>Dhanbad</b></p>	<p><b>a) Webinar:</b></p> <p>Organized in association with SPE Student Chapter</p> <ul style="list-style-type: none"> <li>– An online webinar on COVID-19 and its socio-economic impact by Dr Zyta Ziora from University of Queensland, Australia, on 06.07.2020.</li> <li>– On ‘The Skills and Knowledge that Oil Industry will need from its future Engineers’ by Mr Abhijeet Anand, Commercial Engineer, Schlumberger on 18.07.2020.</li> <li>– On ‘Exploration and Development of CBM in India and its Prospects’ by Mr Uday Paswan, Chief General Manager, Oil &amp; Natural Gas Corporation on 21.08.2020.</li> <li>– On ‘Application of Floating Storage and Regasification Unit (FSRU) and its Advantage over Land-based LNG Facilities’ by Mr Ashanendu Mandal, former CGM, ONGC on 07.08.2020</li> <li>– On ‘Devising Standard Methodology, Procedure and Surfact Facilities for Testing of CBM Wells’ on 11.12.2020</li> </ul>
<p><b>Doaba</b></p>	<p><b>a) Talk</b></p> <ul style="list-style-type: none"> <li>– On ‘Green and Clean Energy’ by Dr Sanjeev S Katti, Director General, ONGC Energy Centre, New Delhi, on 19.04.2021 at NIT, Jalandhar.</li> </ul>
<p><b>Hyderabad</b></p>	<p><b>a) Webinar</b></p> <ul style="list-style-type: none"> <li>– IChE HRC in association with GEA India and Progressive Process Chemical Engineering Solutions organized a webinar titled “Solid Liquid Separation Techniques in Process Industries’ on 01.11.2020 virtually.</li> </ul>

	<ul style="list-style-type: none"> <li>– Titled “Eternal Wisdom – Transforming Challenges into Solutions” on 29<sup>th</sup> August 2020 by Shri Vinay ji, who is an established philosopher, thinker and self-management expert as well as founder of Wisdom Foundation.</li> </ul> <p><b>b) M P Chary Memorial Lecture</b></p> <ul style="list-style-type: none"> <li>– IChE HRC organized 13<sup>th</sup> M P Chary Memorial Lecture on 20.08.2020 by Dr. Sanjeev S. Katti, Director General, ONGC Energy Centre on “Green Energy, Clean Energy – Challenges and Opportunities”. Over 190 delegates, including Past Presidents and National Council members of IChE, IChE HRC EC members, representatives from R &amp; D, academia and industry attended the programme.</li> </ul> <p><b>c) Student Chapter Activities</b></p> <ul style="list-style-type: none"> <li>– Inter College Student Chapter Competition was organized in collaboration with Anurag University, Hyderabad, on 05.06.2020.</li> <li>– Lecture on ‘Engineers and Atomic Energy in Service to Society’ delivered by Smt Sheela, Dy Chief Executive (Retired).</li> <li>– Essay writing competition was held amongst students of BVRIT, Anurag University, CBIT, OUCT, JNTUH, JNTUA, BITS and NITW on the topic “Scope for chemical engineers as entrepreneurs and for start-ups”.</li> <li>– Technical quiz competitions were held amongst the students of BVRIT, Anurag University, CBIT, OUCT, JNTUH, JNTUA, BITS and NITW.</li> </ul> <p>d) Student Chapter at Anurag University organized Short-term Training Programme (STTP) on the topic ‘Industrial Pollution &amp; Control Strategies’ during 24-29 August, 5-10 October and 23-28 November 2020. The programme was sponsored by AICTE with a grant of Rs.3,00,000/-. The training was conducted by Gyanway Global Solutions Pvt. Ltd. on the topic “DWSIM-Open Source Simulation Software” during 19-25 May 2021.</p> <p>e) Student Chapter at BVRIT organized all India Chemical Engineering Online Quiz Competition from 6-10 July 2020.</p> <ul style="list-style-type: none"> <li>– VISVA2K20 (Technical Quiz) was organized at national level on 15 September 2020</li> </ul> <p>f) Student Chapter at BITS-Hyderabad conducted an online event called “Cataclysmic Deduction” during October 2020 where the participants are put into the seats of an industrialist who has to analyse an industrial mishap and prevent it from happening again.</p> <p>g) Student Chapter at JNTU-Ananthapur organized Chemical Engineers’ Meet on 23 January and 27 February 2021 to discuss recent innovations in chemical engineering. Organized invited talks on 04.01.2021.</p> <p>h) Student Chapter at NIT-Warangal organized ‘Chem-E-Cross’ event to boost up the technical knowledge in a fun and exciting manner during 15, 22 &amp; 29.11.2020. Conducted the event ‘Research Wrap Up’ on 31.03.2021 in collaboration with URA and Innovation Garage, CII, virtually,</p> <p>i) Student Chapter at JNTU-Hyderabad, organized Essay writing completion on the topic ‘Future of Energy &amp; Environment in 21<sup>st</sup> Century’. Conducted Technical Quiz on the topic ‘Chemical Engineering Basics’.</p>
<p><b>Kochi</b></p>	<p><b>a) Webinar:</b></p> <ul style="list-style-type: none"> <li>– On “Opportunities for Chemical Engineers in Industry” on 16.01.2021 by Mr Koya Venkata Reddy, Hon Secretary IChE-KRC.</li> </ul> <p><b>b) Technical Talk:</b></p> <ul style="list-style-type: none"> <li>– On “Present Scenario of Chemical Industries in India” on 25.01.2021 by Sri S B Bhide, CMD, HOCL</li> </ul> <p><b>c) Award:</b></p> <p>The Samoohya Suraksha Award 2020 has been awarded to “Safety Man” Sri R. Venugopal, Dy.Chief Controller of Explosives, PESO, Kerala, Karnataka, Lakshadweep and former Chairman, IChE-KRC, on 27.01 2021.</p>

	<p><b>d) Student Chapter Activities:</b></p> <ul style="list-style-type: none"> <li>– IChE student chapter at Tom’s college, Mattakara, Kottayam, Kerala was inaugurated on 12<sup>th</sup> June 2021 in association with Chemical Engineering Department at Toms College of engineering Mattakara. Futura, the Meritorious Award ceremony &amp; One day workshop for Final Year Chemical engineering students</li> <li>– IChE in association with PESO has conducted a Training programme on “Safety awareness, and Firefighting of LPG Fires” on 20.01.2021 and 22.01.2021 of for LPG Dealers in Kerala</li> <li>– Government Engineering College, Trissur, conducted the following programmes: <ol style="list-style-type: none"> <li>1. Workshop on Inherently Safe Design (15.01.2021).</li> <li>2. Online Crossword puzzle: Chemical Industrial Accidents (19.09.2020).</li> <li>3. The Big Brain Theory – A Problem Solving Event (26.04.2021).</li> </ol> </li> <li>– Govt. Engineering College, Kozhikode conducted following programmes:Mock interview on 12.02.2021Quiz on 17.03.2021</li> </ul>
<b>Mumbai</b>	<p><b>a) Six Sigma:</b> Six Sigma Training Programme for Students have concluded on 31.10.2020.</p> <p><b>b) IChE MRC Diamond Jubilee Lecture Series:</b> IChE MRC conducted a series of Online lectures by Eminent speakers from the industry as well as Academia which received an overwhelming response. The recordings of the sessions were also uploaded to IChE MRC’s Youtube channel so that the knowledge, Expertise and insights of the speakers can serve as a source of inspiration to one and all from the fraternity.</p> <p><b>c) Lecture:</b></p> <ul style="list-style-type: none"> <li>– On “Membrane-less Microfluidic Water Electrolyzer for H<sub>2</sub> &amp; O<sub>2</sub> Production” by Dr Suddhasatwa Basu on 12 December 2020</li> <li>– On “Is there any charm and scope left in Chemical Engineering?”, by Prof. G. D. Yadav on 22 May 2021 16:00 to 18:00 hours</li> </ul> <p><b>d) Student Chapter Activities:</b> Datta Megha College of Engineering has conducted a lecture on the topic ‘Interpretation of Piping and Instrumentation Diagrams’</p>
<b>Nagpur</b>	<p><b>a) Students Programmes:</b></p> <ul style="list-style-type: none"> <li>– IChE Student Chapter at Department of Chemical Engineering, VNIT, Nagpur, conducted various online technical lectures</li> <li>– Routine activities such as Technical Lectures by experts and Technical Quiz were also organized at LIT Nagpur</li> </ul>
<b>Northern</b>	<p><b>a) Technical Lectures:</b> ”Learning with Leaders Online” was jointly with Heat Transfer Society of India. The series of Technical Lectures were held on various topics;</p> <ul style="list-style-type: none"> <li>– On ‘Process Simulation Criteria by Mr Rajiv Narang (HIS-Markit) on 26.09.2020</li> <li>– On ‘Manufacturing Lesson Learned – Heat Exchanger’ by Mr Haresh Sippy, Tema India Ltd. on 26.09.2020</li> <li>– On ‘Dimensionless Number in Exchanger Design’ by Mr Abhinay Sangwai, Petrofrac, Mumbai, on 10.10.2020</li> <li>– On ‘Air Cooler Design and Application’ by Mr Ugrasen Yadav, Technip FMC on 10.10.2020- On ‘Advanced Process Control and Industry 4.0 – Heat Exchanger’ by Mr Amey Kuber, Honeywell-HCL and Mr Ranjan Desai, Secretary, HTSI, on 24.10.2020</li> <li>– On ‘Fired Heater Design and Application’ by Mr Ugrasen Yadav, Technip FMC on 24.10.2020</li> </ul>



	<ul style="list-style-type: none"> <li>– On ‘Chemistry of Photo Degradation’ by Mr Mihir Banerji, Ex-President, IPI, on 09.01.2021- On ‘Corn Starch based Bio-degradable Polymers’ by Dr anomitra Chakravarty on 09.01.2021</li> <li>– On ‘R&amp;D in PPP Mode’ by Dr Hari Om Yadav, Sr Principal Scientist, CSIT, on 20.03.2021- On ‘Colloidal dynamics and functional colloids for self-assembly’ by Dr Somnath Ghosh, Asst Professor, Dept of Chemical Engineering, IIT-Delhi, on 20.02.2021</li> </ul> <p><b>b) Foundation Day if IICHe NRC:</b></p> <ul style="list-style-type: none"> <li>– The programme was held on 20.02.2021 virtually. Dr Anjay Ray, Director, CSIR-Indian Institute of Petroleum, Dehradun presented a paper on “Recycling of Petrochemicals”.</li> <li>– Prof Arup K Ghosh, Dept of Materials Science and Engineering, IIT Delhi, presented a paper on “Recycling of Petrochemicals”.</li> </ul> <p><b>c) Seminar/Workshop/Webinar:</b></p> <p>The Lovraj Kumar Memorial Trust workshop on “Indian Economy – Recover and Recreate” was organized on 04.12.2020 by Padma Bhushan Shri K V Kamath, President, New Development Bank.</p> <p>Following lectures were held on the topic:</p> <ul style="list-style-type: none"> <li>– On ‘Refinery of the future &amp; how to increase Petrochemical Yield from Refineries’ by Mr Mike Banach, UOP India.</li> <li>– On ‘Technologies and Solutions to Shift Products from Transportation Fuels to Petrochemicals’ by Mr Rajesh Samarth, Lummus Technology</li> <li>– On ‘Solutions for enhanced yield of petrochemical feedstock from refineries’ by Mr Siddhartha Saha, Axens India</li> <li>– On ‘Refinery-Petrochemical Integration – Repurpose Assets, Maximize Profitability and Pivot to the Future’ by Mr Satyam Mishra &amp; Mr Partap Vijay Singh</li> <li>– On ‘Technical challenges and key issues involved in a COTC project – A Case Study’ by Mr Rajiv Aggarwal, EIL</li> <li>– On ‘Influencing EPC Success through Strong Engineering Execution’ by Mr Rajesh Joshi, Aker Solutions</li> <li>– On ‘Strategies for smooth EPC Execution’ by Ms Prema Suresh, Technip India Limited- On ‘LTHE-EPC+ Value Proposition for Oil to Chemical Projects’ by Mr P Balaramakrishna, L&amp;T Hydrocarbon Engineering Ltd.</li> <li>– On ‘Transformation from Services to Sustainable Solutions in Mega Project Execution’ by Mr Neelesh Borkar Worley</li> <li>– On ‘Implementation Strategies for CO<sub>2</sub> Projects’ by Mr Satheesh M Pillai, Fluor Daniel India Pvt. Ltd.</li> </ul>
Pune	<p><b>a) Seminar/Symposium:</b></p> <p>Webinar/Technical Talk on ‘Evolutionary Path of Chemical Engineering’ by Lakshmi Venkatesh, General Manager, E&amp;C Technical Services, Petrofac Engineering India Pvt. Ltd., Mumbai, on 18.09.2020</p> <p><b>b) Student Chapter Student Chapter at VIT, Pune</b></p> <p>Following Expert talks on the topic;</p> <ul style="list-style-type: none"> <li>– On ‘PCRA’ by Prof Sudhir R Shah and Prof Anil Kaushik, petrochemical expert, on 29.08.2020</li> <li>– On ‘Artificial Neural Networks in Chemical Engineering’ by Dr Sanjeev Tambe, Dr S Ghugare, Ms Aditi Yerudkar, Dr Abhijit Kulkarni, Dr Makrand Naniwadekar (CSIR-NCL, AISSMSCOE, JRF, ICT Scientist) on 14-19.09.2020</li> <li>– On ‘COVID-19 Research and Engineering, Modern and Ancient Approach’ by Prof T K Keshav, Scientist of Universal Theory of Nature, on 25.09.2020</li> </ul>

	<ul style="list-style-type: none"> <li>– On ‘Future of Scientific Research’ by Ms Debismita Dutta, PhD in Tyndall National Institute, Ireland, on 09.02.2021</li> <li><b>c) Student Chapter at DY Patil Institute of Engineering and Management Research, Pune</b> <ul style="list-style-type: none"> <li>– Alumni talk by Mr Vinit Ponshe on ‘Opportunities after Chemical Engineering in Industry and Post Graduate Studies’.- Organized online poster presentation competition on 24.10.2020- Organized online Industrial Visit at Pimpri Chinchwad Municipal Corporation Water Treatment Plant on 26.02.2021- Organized online Industrial Visit at Techrol Pvt. Ltd., Pune, on 05.03.2021</li> </ul> </li> <li><b>d) Student Chapter at MIT Academy of Engineering, Alandi, Pune</b> <ul style="list-style-type: none"> <li>– ‘PRAKLP 2020’ was organized during 10-12.09.2020.</li> <li>– Expert Talks held during 06.09.2020 to 24.03.2021</li> </ul> </li> <li><b>e) Student Chapter at Shivaji University, Kolhapur</b> <ul style="list-style-type: none"> <li>– Expert talk by Mr V Ananth Kumar Thimmarasu, Executive Director, WE-INSPIRE ASK Pvt. Ltd., Telangana on topic ‘SWOT’ held on 20.03.2021</li> </ul> </li> <li><b>f) Student Chapter at AISSMS College of Engineering, Pune</b> <ul style="list-style-type: none"> <li>– Webinar on ‘Innovation Driven Enterprenurship’ by Mr Santosh Khawale, IITM, MS – Italy on 30.01.2021</li> </ul> </li> <li><b>g) Student Chapter at JNEC, Aurangabad</b> <ul style="list-style-type: none"> <li>– Workshop on ‘Artificial Neural Networks in Chemical Engineering’ by Mr Ninad Joshi and Mr Sameer Mirza on 14-19.09.2020</li> <li>– Safety quiz held on 17.05.2020</li> </ul> </li> </ul>
<b>Pilani</b>	<p><b>a) Invited Talk:</b></p> <ul style="list-style-type: none"> <li>– A talk on ‘Bioprocess Development and Scale-up: Biomaterial, Biobutanol and Bioethanol was conducted by Dr Sandeep Mora from Merck (MSD) U.S.A. on 03.10.2020</li> <li>– A talk on ‘Fluoropolymers and its applications’ by Mr Kapil Malhotra, Sr Vice President, Marketing, Gujarat Fluorochemicals Ltd., on 31.10.2020</li> <li>– On ‘Layer-by-Layer Assembled Multi-functional Nano Thin Fims’ by Prof Yong Tae Park, Associate Professor, Dept of Mechanical Engineering, Myongji University, Korea, on 28.11.2020</li> <li>– On ‘Indigenous Technologies: from the Laboratory to the Field’ by Prof Sirshendu De, IIT-Kharagpur, on 12.02.2021</li> <li>– On ‘Design &amp; Development of Environmental Control Systems and Compact Heat Exchangers for Aerospace Applications and Associated Research Areas’ by Prof Ranganayakulu Chennu, BITS-Pilani, on 13.03.2021</li> </ul> <p><b>b) Student Chapter Activities:</b></p> <ul style="list-style-type: none"> <li>– ‘Chemicool’ held during 9-12.05.2020- ‘ChemE-Chronicles’</li> <li>– ‘Chem-E-Hunt’ held on 21.03.2021</li> </ul>
<b>Sriharikota</b>	<p>IICHe-Sriharikota Regional Centre was formally inaugurated on 08.11.2020. The following activities were carried out during the year:</p> <ul style="list-style-type: none"> <li>– Prof G D Yadav delivered the keynote address on the topic ‘Going to outer space: importance of chemical engineering’.</li> <li>– SRC in collaboration with HEMSI SHAR Chennai Chapter had conducted a webinar on the topic ‘Exploring the potential of Indian Private Participation in aerospace propulsion industry’.</li> <li>– On ‘In Space Propulsion – journey with ISRO’, delivered by Mr Rohan M Ganapathy, CEO &amp; CTO, Belatrix Areospace Pvt. Ltd.</li> </ul>
<b>Trivandrum</b>	<p><b>a) Seminar/Webinar:</b></p> <ul style="list-style-type: none"> <li>– On ‘Skill Development initiatives for the rubber sector in Kerala’ by Dr Venugopal S, Joint GM, HLL Life Care Ltd., Trivandrum, on 29.08.2020</li> </ul>

	<ul style="list-style-type: none"> <li>– On ‘Goodenough’ Quantum Mechanics and the Design of Lithium Ion Batteries by Prof Raj Ganesh S Pala, IIT, Kanpur, on 09.12.2020</li> <li>– On ‘Perspectives on process &amp; controller performance monitoring’ by Dr Selvanathan S, Technology Leader – Digitization, Elkem ASA, Norway, on 24.12.2020</li> <li>– On ‘Bhuvan-Indian Geoplatform of ISRO’ by Mr Arulraj M, Group Head (I-C), ISRO on 11.02.2021</li> </ul> <p><b>b) CGG Paniker and M R Kurup Gold Medal Award</b></p> <ul style="list-style-type: none"> <li>– The awards were given away to the toppers in Chemical Engineering /Bio Technology &amp; Bio-Chemical Engineering from the IChE Student Chapters under TRC held on 08.01.2021. The award carried a Gold Medal and a Certificate of Merit to encourage the students.</li> </ul> <p><b>c) Webinar/Lecture:</b></p> <ul style="list-style-type: none"> <li>– On “Environment Management Stems and Environmental Auditing”, held on 27.07.2020- On “Skill development initiatives and post COVID impact on rubber industries in Kerala” held on 29.08.2020</li> <li>– On “Six Sigma – A journey towards business excellence” held on 15.09.2020</li> <li>– On “Environment Sustainability”, held on 11.12.2020</li> <li>– On “Role of Mechanical Engineers in Industrial Perspective” held on 30.12.2020</li> <li>– On “Challenges in Industrial Perspective Post Covid-19, Impact on manufacturing services and relevance of Technology” held during 26.03.2021 to 28.03.2021</li> </ul>
<p><b>Vapi</b></p>	<p><b>a) Seminar/Workshop:</b></p> <ul style="list-style-type: none"> <li>– On ‘Career Opportunities for Chemical Engineers”, by Mr Ramesh Prajapati, on 29.05.2020</li> <li>– On ‘Startup and Enterprenurship Development for Chemical Engineers”, by Mr Rohit Dave, on 13.10.2020- On “Transformation in field and life by 360° Improvement” on 24.10.2020</li> <li>– On “Energy Fundas” by Mr J R Shah on 03.06.2020- On “Energy Conservation” by Mr C K Rao, on 22.08.2020</li> </ul> <p><b>b) E-Industrial Visit:-</b></p> <ul style="list-style-type: none"> <li>– At Industrial Boiler Ltd., Vapi, on 08.06.2020</li> <li>– At Pidilite Industries Ltd., on 27,06.2020</li> </ul>
<p><b>Waltair</b></p>	<p>For the very first time the committee had organized an event called “Article Quest”. This included two competitions namely, review of research papers and case study. The idea was to give and exposure to the students towards research and to establish an environment where students interact with each other and could produce new ideas.</p> <p>Student Chapter</p> <ul style="list-style-type: none"> <li>– at IPE the inaugural lecture was held on 19.03.2021 on the topic “Petroleum Refining Challenges in Primary Units” by Mr Ankur Verma, Manager RD, BPCL.</li> <li>– at Gayatri Vidya Parishad College of Engineering, conducted Scramble, Mini Quiz, Crossword, Balance Equation, Tri-Quiz, etc.</li> <li>– at Anil Neerukonda Institute of Technology and Sciences organized lectures on the theme “Entrepreneur’s mindset” by young researchers and industrial experts.</li> <li>– at MVGR College of Engineering conducted events like Tri Quiz, Environmental cleaning and disinfection, etc.</li> <li>– GMR Institute of Technology organized talks on the following topics: <ol style="list-style-type: none"> <li>1 on “Overview of Ammonia &amp; Urea Manufacturing Technology” by Mr R Kuna on 04.10.2020</li> <li>2 on “Project Management” on 13.09.2020</li> </ol> </li> </ul>

## 6.0 Council Meeting Highlights

Major decisions taken at the meetings, held between 1 April, 2020 and 31 March, 2021, are presented below:

### 6.1 3rd meeting for 2020, held online on 6 June, 2020.

#### Administrative

##### **Amendment of Service Rules**

Council reconstituted a Committee for review of the Service Rules of the IChE comprising Prof. M. V. Rao (Convener), Members: Dr. Avijit Ghosh, Prof. M. K. Jha and Dr. G. S. V Ratnam.

##### **Election for Regional Centres**

Due to the COVID-19 pandemic situation in India, the Council decided that the existing Executive Council of all the Regional Centres (RCs) will continue till the next election. Council further decided that the next election for the RCs would be held in 2021. Therefore, those RCs, whose election is due in 2020, will be requested to defer it till 2021. Accordingly, the existing EC of the RCs would continue till 2021.

#### Membership

##### **Honorary Fellows**

Based on the recommendation of the Honorary Fellowship Committee, the Council decided to award Honorary Fellowship to Prof Bishnupada Mandal (IIT, Guwahati), Dr Siddhartha Mukherjee (Air Liquide, New Delhi) and Dr Prabirkumar Saha IIT, Guwahati).

##### **Overseas Organisational Membership**

Following a query from an engineering college in Ethiopia about the IChE Organisational Membership, the Council noted that currently IChE does not have any provision for overseas Organisational Membership. The Council introduced the provision for Overseas Life Organisational Membership with a fee of \$ 1500/-, subject to further ratification in the next AGM.

#### Student Chapter Affairs

##### **New Students Chapters**

The Council approved the formation of Students' Chapter at the Department of Chemical Engineering, Agni College of Technology, Thalambur, under the Chennai Regional Centre and at the Government Engineering College, Bharuch under Ankleshwar Regional Centre, subject to the fulfilment of the criteria as laid down in student chapter By-laws.

#### Publications

##### **Journal**

Prof. S. Basu, Honorary Editor of the Institute's quarterly journal, *Indian Chemical Engineer (ICE)*, informed the Council that the Publication Committee has decided to publish 5 issues of the journal in 2021 and 6 issues from 2022 onwards. In this context, the Honorary Secretary also informed the Council that Facebook and twitter profiles have been created for *ICE* with the help of Prof. S. Basu.

#### Associated Membership Examination Result

All the following 26 candidates, who appeared in September 2019 Examination, came out successfully.

SI No	Name	Roll No.
01	Sri Yogendra Kumar	08/S8/331
02	Sri Patel Kiranbhai C	10/S10/378
03	Sri Ashish Goel	10/S10/470
04	Sri Shaik Sharief	11/M11/117
05	Sri Kavshal Kishor Verma	11/M11/142
06	Sri Kamble Kailas D	11/M11/159
07	Sri Subhasis Panda	11/M11/169
08	Sri Devendra Kumar	12/M12/107
09	Sri Vuchili Subrahmanyam	12/M12/166
10	Sri Satanand Sahu	12/S12/341
11	Ms.Naik Shrinivasa Maruti	12/S12/415
12	Sri Shaik Nagurvali	13/M13/103
13	Sri Shailesh Prakash	13/S13/344
14	Sri Raju Kumar	13/S13/355
15	Sri Pasupuleti Rajesh	13/S13/402
16	Sri Jayprakash K. Patel	14/M14/63
17	Sri Dhananjay Kumar	14/M14/239
18	Sri Narendra Lodhi	15/M15/126
19	Sri Satish Kumar	15/S15/150
20	Sri Siddharth Sinha	15/S15/155
21	Sri Javiya Vipul Ravji	15/S15/231
22	Sri Hiteshkumar Divakar Birare	16/M16/4
23	Sri Pradeep Kumar Sahu	16/M16/35
24	Sri Ravi Deo Prasad	17/M17/61
25	Sri Vinay Kumar Singh	17/S17/145
26	Sri Shibabrata Gunri	17/S17/163

#### Online Summer Internship Program

The Council was apprised of the online summer internship program (4 -6 weeks), initiated in May, 2020, for the UG

students of Chemical Engineering and / or allied disciplines. During the prevailing pandemic situation, the academic calendars for students were thrown completely out of gear all across the globe. As engineering students were unable to undertake on-site summer internships, AICTE had advised online summer trainings for the students as an alternative. IChE introduced this Internship Program in line with the AICTE advisory.

The competent authority had decided to utilize the total revenue generated out of this training program as follows:

- 60% would be spent to conduct the training program and create facility for the digital conference room at headquarters. A separate webpage and IChE Apps would be created for the training program and certificate course with online test and certificate printing.
- 40% will be fixed deposited as the corpus fund for such type of training programs / certificate courses in future at the IChE headquarters.

The Council appreciated the President and the Honorary Secretary for initiating the Internship Program, which had evoked great response from the students.

#### **Mini Project Grant for UG/PG students**

The Council approved the proposal for a small amount of research grant, to be offered to the Under-graduate (20 projects) and Post-graduate (10 projects) students for their innovative research work. The idea is to encourage the student's community to become a member of the institute. The members of the Council were informed that 70% of the total funding amount for the project could be generated from the membership drive.

#### **Proposed Mini Project Grant (Seed Money):**

For the UG students: Rs. 10,000/- per project

For the PG Students: Rs. 20,000/- per project

#### **Donation to PM-CARE Relief Fund**

The IChE Headquarters donated Rs. 1,00,000/- (One Lakh) to the PM-CARE Relief Fund, which was created for dealing with the Covid disaster. This donation amount was adjusted from the travel allowance of the Council Members for the year 2020. A few of the RCs also donated to the fund through the IChE headquarters. Those Regional Centres were: Northern Regional Centre (Rs 10, 00,000), Trivandam Regional Centre (Rs. 10,000), and Pilani Regional Center (Rs. 5,000).

The Council appreciated the gesture of the RCs.

### **6.2 4<sup>th</sup> meeting for 2020, held online on 18 July, 2020.**

#### **Administrative Matters**

##### **Service Rule Amendment**

Based on the minutes of the meeting (30 June 2020) of the Service Rule Amendment (SRA) Committee, the Council adopted the following clauses in the IChE Service Rule, to be effective from July 2020 following confirmation of an employee at the IChE Headquarters.

- The service of any regular employee on probation period would be governed by the terms and condition of a new Service Rule, which would be effective from January 2022.
- The employees, who are at present on probation period, would not come under the existing pension scheme of the IChE. They would only be entitled to the CPF as per the new Service Rules with effect from January 2022.

#### **Modification of Online Membership Form**

Due to the ongoing Covid-19 pandemic, it was decided to consider online application forms for the new membership in order to boost membership drive of the Institute. As part of the process, membership number would be allotted after verification from the Accounts Department.

In this context, the Honorary Secretary pointed out that certain modifications (endorsement in the corporate/life membership application form, forwarding of the student membership application form, etc.) might be required in the existing membership form for accommodating the online mode of application. The Council approved of modifications in the online membership application form as per the requirement.

#### **Fellowship**

Based on the recommendations of the Honorary Fellowship Committee, the Council decided to award Honorary Fellowship to Dr. Bidhan Chandra Bag (DRDO, Nagpur) and Prof. Mihir Purkait (IIT, Guwahati).

#### **Organisational Membership**

The Council approved admission of the following Organisational Members:

- i. Epsilon Carbon Pvt Ltd, Mumbai. (Annual)
- ii. Indian Institute of Science Education and Research, Bhopal. (Life)
- iii. Maulana Azad National Institute of Technology, Bhopal (Life)

### **Emergent Council Meeting 2020, held online on 16 August, 2020**

#### **Council Election 2020**

In the event of the ongoing Covid crisis, the 4<sup>th</sup> meeting of the Council (18 July 2020) had decided that an Emergent Council Meeting would be held on 16 August, 2020 to take the final

decision for holding the Council Election 2020 on the basis of the recommendation of the Prof. M.V Rao committee, constituted for this purpose.

Based on the recommendation of the referred committee, the Council took the following decision:

*“Council to postpone the IChE Council Election 2020 by one year, i.e., up to 2021 and the term of council, which is getting completed in 2020, may also be extended by one year, i.e., up to 2021”.*

The Council also decided to get this decision regarding postponement of the 2020 Council Election ratified at an Extraordinary General Body (EGB) Meeting and/or in the AGM, which may be conducted through online in due course of time.

### **6.3 5<sup>th</sup> meeting for 2020, held online on 26 September, 2020.**

#### **Administrative Matters**

##### **Opening of New Regional Centres, Student Chapters**

The Council approved the proposal for accepting only online application form for opening Regional Centres and New Student Chapters. The form is to be available from the IChE website ([www.iiche.org.in](http://www.iiche.org.in)). No offline application would be considered in future.

##### **Regional Centre Affairs**

The Council decided to merge Damanjodi Regional Centre with the Bhubaneswar Regional Centre. However, the members of the Damanjodi RC will be free to choose any RC to join according to their choice.

##### **Fellowship**

Based on the recommendations of the Honorary Fellowship Committee, the Council decided to award Honorary Fellowship to Prof S.K. Majumder (IIT, Guwahati).

### **Extraordinary General Meeting, held online on 28 October, 2020.**

The EGM unanimously ratified the council decision to postpone the IChE Council Elections, scheduled for the year 2020, by one year, i.e., upto 2021. Accordingly, the term of the Council, getting completed at the end of 2020, was also extended by one year, i.e., upto December 2021.

### **6.4 6<sup>th</sup> meeting for 2020, held at Osmania University, Hyderabad on 27 December, 2020.**

#### **IChE Constitution Amendment**

The Council discussed the final recommendations of the Constitution Amendment Committee-2020 (CAC-2020), which had been compiled after intense deliberations at several meetings of the CAC-2020. Finally, the Council unanimously

decided to ratify the revised recommendations of the CAC-2020 at the AGM 2020.

#### **Fellowship**

Clause 4 in the Guidelines of the IChE Constitution provides for not more than 125 Honorary Fellows at a time. Already the number of Honorary Fellows in IChE has reached 125. Therefore, subject to ratification at the AGM-2020, the Council unanimously decided to increase the maximum number of Honorary Fellow of the Institute to 150. Also, it was decided to award Honorary Fellowship to only two eminent persons in a year.

#### **Financial Matters**

As per GST Act, GST should be charged for all categories of Membership. So far, the membership fees (Life Associate Membership, Life Membership and Organizational Membership) were charged without adding the GST amount.

The Council decided that GST will be chargeable for all categories of membership w.e.f January, 2021.

#### **Organisational Membership**

The Council approved the Life Organisational Membership of B.I.T Sindri, Jharkhand and Agile Process Chemicals LLP, Mumbai.

#### **Student Chapter Affairs**

##### **New Students Chapters**

The Council approved the formation of Students' Chapter at the Department of Chemical Engineering, SDM College of Engineering & Technology, Dharwad under the Bangalore Regional Centre and VSSUT, Burla under the Rourkela Regional Centre, subject to the fulfilment of the criteria as laid down in Student Chapter By-laws.

#### **AMIChE Examination**

The Council decided to indefinitely postpone the September semester of the Associate Membership Examinations 2020 semester (theory papers) due to the COVID 19 pandemic.

### **6.5 1<sup>st</sup> meeting for 2021, held at Osmania University, Hyderabad on 29 December, 2020. (The meeting was conducted both offline and online).**

#### **Administrative Matters**

##### **Election of the President**

The members elected Prof M K Jha as the President of the Institute for the year 2021.

##### **Election of two Vice-Presidents**

Mr Praveen Saxena and Prof N Balasubramanian were elected as the Vice-Presidents of the Institute for the year 2021.

**Election of Other Office Bearers**

For the year 2021, the members elected Dr Avijit Ghosh as the Honorary Secretary of the Institute, Dr K B Radhakrishnan as the Honorary Jt. Secretary; Dr M P Jain as the Honorary

Treasurer; Dr Gourav Rattan as the Honorary Registrar and Dr Madhu Agarwal as the Honorary Controller of Examinations.

**New Committees**

The Chairman and Convenor of the following 16 Standing Committees and 3 other committees were elected:

**Standing Committees 2021**

<b>Name of the Committee</b>	<b>Members</b>
<b>Admission Committee:</b>	Prof. S V Satyanarayana (Chairman) Dr. Gaurav Rattan (Convenor) Dr. Madhu Agarwaal Dr. Raja Simman Mr. Dhawal Saxena Dr. Sailendra Bajpai Dr. Renu Gupta
<b>Publication Committee:</b>	Prof. A. B. Pandit (Chairman) Prof Suddhasatwa Basu (Convener) Prof G. K. Roy Dr Swati Mohanty Prof Anil Verma Prof. K. B. Radhakrishnan Mr. Abhijit B Pal Mr. S. K. Roy (invitee) Prof. B.N. Thorat (Invitee)
<b>Education &amp; Examination Committee:</b>	Prof. N. Balasubramanian (Chairman) Dr. Madhu Agarwal (Convener) Prof. Ajay Bansal Prof. Bishnupada Mandal Dr. M. Rajasimman Dr. C. Karthikeyan Dr. S.K. Gupta
<b>Finance Committee:</b>	Prof. M. V.Rao (Chairman) Dr. M. P. Jain (Convener) Dr. Avijit Ghosh Dr. G.S.V. Ratnam Prof. B. B. Paira Prof. P. De Mr. K. K. Basu Mr. D.M. Butala (Invitee)
<b>Internal Audit Committee</b>	Prof. V. V. Basava Rao (Chairman) Dr. M. P. Jain (Convener) Dr. Avijit Ghosh

	<p>Dr. G.S.V. Ratnam  Prof. B. B. Paira  Prof. M. V.Rao  Mr. D.M. Butala</p>
<b>Legal Committee</b>	<p>Mr. D. M. Butala (Chairman)  Dr. Avijit Ghosh (Convener)  Mr. Shyam Bang  Prof. Vinay K. Srivastava  Prof. S.C. Naik</p>
<b>Regional Centre Affairs Committee:</b>	<p>Prof. Vinay K Srivastava (Chairman)  Prof. N. Balasubramanian (Convener)  Dr. Vineet Kumar  Mr. Paveen Saxena  Prof. V.V. Basava Rao  Prof. K.B. Radhakrishnan  Prof. S.M. Surana</p>
<b>Awards/Judges Committee:</b>	<p>Prof. M. K. Jha (Chairman)  Dr. Avijit Ghosh (Convener)  Prof. B.B. Paira  Prof. P. De  Prof. K. B. Radhakrishnan  Prof. Bishnupada Mandal  Prof Vineet Kumar</p>
<b>Building Committee:</b>	<p>Prof. P. De (Chairman)  Dr Avijit Ghosh (Convener)  Dr. M. P. Jain  Prof. S.K Das  Prof. C. Bhattacharya  Mr. P.R Dutta Ray  Prof. Asim K. De</p>
<b>Education, Training and Research &amp; Development Committee:</b>	<p>Dr. Thallada Bhaskar (Chairman)  Prof N. Balasubramanian (Convener)  Dr. Shishir Sinha  Prof. C. Karthikeyan  Prof. S.V. Sathyanarayanan  Dr. Madhu Agarwal  Dr. Gaurav Rattan</p>
<b>International Relations Committee:</b>	<p>Dr. Sanjeev Katti (Chairman)  Prof. Anil K Saroha (Convener)  Prof. G. D. Yadav</p>



	<p>Prof. Shishir Sinha  Prof. K.B. Radhakrishnan  Prof. Naseem Khan (Invitee)  Dr. Tanveer Rasool (Invitee)  President and Honorary Secretary are ex-officio members</p>
<b>Library, Documentation and Website Committee:</b>	<p>Prof. Alpana Mahapatra (Chairperson)  Dr. Avijit Ghosh (Convener)  Prof. S. K. Das  Prof. Sunil Baran Kuila  Mr. Dhawal Saxena  Prof. M. Rajasimman  Mr. S. K. Roy</p>
<b>Student Chapter Affairs Committee:</b>	<p>Prof. V. K. Rattan (Chairman)  Mr. Praveen Saxena (Convener)  Dr. M. Rajasimman  Dr. Rajkumar  Prof. Bishnupada Mandal  Prof. S.V. Satyanarayana  Dr. Suresh Sundaramurthy</p>
<b>Honorary Fellowship Committee:</b>	<p>Prof. M. K. Jha (Chairman)  Dr. Avijit Ghosh (Convener)  Prof. G D Yadav  Prof. B.B. Paira  Prof. P. De  Prof. Vinay K Srivastava  Prof. S.V. Satyanarayana</p>
<b>CHEMCON Distinguished Speaker:</b>	<p>Prof. M. K. Jha (Chairman)  Dr. Avijit Ghosh (Convener)  Prof. G. D. Yadav  Mr. C. P Gurnani  Prof. Suddhasatwa Basu  Dr. E.C. Eswaraiah  Dr. Sanjeev Katti  Representative of the concerned Donor company (Invitee)</p>
<b>Process Safety, Environment &amp; Energy Group</b>	<p>Mr. D. M. Butala (Chairman)  Dr. T. L. Prasad (Convener)  Dr. G.S. Venkataratnam  Mr. Vijay Bhujle  Mr. Jagdish Nageshri  Mr. Joy M Shah  Mr. S.K. Satpati</p>

### Other Committees 2021

Name of the Committee	Members
<b>Headquarters Office</b> <b>Administrative Committee:</b>	Prof. B. B. Paira (Chairman) Dr. Avijit Ghosh (Convener) Prof. V. V. Basava Rao Mr. K. K Basu Prof. Vinay K Srivastava Mr. M. Ranga Rao ( <i>Presently deceased</i> ) Mr. D. M. Butala
<b>Chemcon &amp; Schemcon Protocol Committee</b>	Prof. K. K. Pant (Chairman) Prof. N. Balasubramanian (Convener) Mr. Praveen Saxena Dr. Avijit Ghosh Mr. D. M. Butala Dr. T. L. Prasad Prof. C. Karthikeyan
<b>Industry Institute Interaction Committee</b>	Mr. Shyam Bang (Chairman) Mr. Praveen Saxena (Convener) Dr. Sanjeev Katti Mr. Thomas Methew Mr. Ashok Patel Mr. R. Narasimhan Prof. V. Ranganathan Dr. Poonam Gera (Invitee)

#### **Certificate of Recognition**

The President-Elect, Prof. M. K. Jha, proposed that henceforth a certificate of recognition will to be issued to the Office Bearers of the previous year.

#### **6.6 .2<sup>nd</sup> Meeting for 2021, held online on 13 February, 2021.**

#### **Constitution Amendment Committee**

The Council unanimously approved the reconstitution of the Constitution Amendment Committee (CAC-2020) as follows:

**Chairman:** Prof. M. K. Jha, President

**Convener:** Dr. Avijit Ghosh, Honorary Secretary

#### **Members:**

Prof. V. V. Basava Rao, Immediate Past President

Prof. G. D. Yadav, Former President

Prof. V. K. Srivastava, Former President

Prof. P. De, Former President

Prof. S. V. Styanarayana, Former President

Mr. P. K. Saxena, VP (Student Chapter Affairs Committee)

Prof. N. Balasubramanian, Vice President ( Regional Centre affairs Committee)

Mr. D. M. Butala, Former Vice-President

Prof. M.V. Rao, Former Vice President (Regional Centre Affairs Committee)

Prof. C. Karthikeyan, Council Member

#### AICTE Nomination

Following a request letter to the AICTE by the Honorary Secretary for nomination of one AICTE representative to the IChE Council as per the convention, AICTE nominated Prof. Ravindra D Gudi, Professor & Head, Dept. of Chemical Engineering, IIT Bombay as the ex-officio member to the IChE Council for the year 2021.

#### Fellowship

Following the standing practice, the Council elected Prof. V. V. Basava Rao, Immediate Past President, as a Fellow of the Institute.

#### Associated Membership Examination

Due to the prevailing Covid-19 pandemic situation, March 2020 Home Paper Viva-voce Examination was conducted online on 28 and 29 January 2021. Out of the 24 candidates who appeared, 23 candidates came out successfully.

Sl. No.	Name	Roll No.
01.	Sri Deva Kumar Hazarika	04/S4/150
02.	Sri Kavittam D.Patel	07/M7/86
03.	Sri Suresh Chandra Somani	07/M7/143
04.	Sri Titil Das	08/M8/29
05.	Sri Haripal Singh Jethuri	09/M9/3
06.	Sri Virendra Kr Shrivastava	09/S9/545
07.	Sri Nileshkumar A. Chavda	10/S10/322
08.	Sri Chengala Soma Sekharbabu	10/S10/461
09.	Sri C.Praveen Nagenderan	11/M11/58
10.	Sri Ankur Babu	11/M11/252
11.	Sri Jana Ravi Kumar	11/M11/266
12.	Sri Aswini Kumar Mishra	11/S11/454
13.	Sri Prasanta Kumar Mandal	12/M12/76
14.	Sri Gautamkumar M.Patel	13/M13/63
15.	Sri Krishna Nand	13/S13/428
16.	Sri Sanjaykumar V.Nageshri	13/S13/462
17.	Sri Vishnu Shankar Mishra	14/M14/146
18.	Sri Sanjay Kumar	16/M16/63
19.	Sri Ramesh Maiti	16/S16/97
20.	Sri Rajmanee	16/S16/101
21.	Sri Shravan Kumar	17/M17/2
22.	Sri Dhananjay Yadav	17/S17/135
23.	Sri Shakwala Khundmir H.S.H	13/S13/444

#### 7.0 Institute's Representatives to Various Bodies

##### i) Bureau of Indian Standards

- a. Chemical Engineering Plants & Related Equipment Sectional Committee

Principal Nominee - Mr G V Sethuraman

Alternate Nominee – Mr A K Saxena

- b. Chemical Division Council

Principal Nominee - Prof S K Sharma

Alternate Nominee - Dr S Mukherjee

- c. Refrigeration & Airconditioning Sectional Committee

Principal Nominee – Dr D Sathiamoorthy

Alternate Nominee – Dr Sudip K Das

The following committees are non-functional

- Basic Chemical Engineering Standards
- Process Vessels Sub-committee
- Heat Generation & Heat Transfer Equipment Sub-committee
- Crushing & Grinding Equipment Sub-committee
- Size Separation & Filtration Sub-committee
- Drying Equipment Sub-committee
- Packing & Gasket Sectional Committee
- Refrigeration & Airconditioning Sectional Committee

- 2) Asia Pacific Confederation of

**Chemical Engineering** – President, IChE

- 3) **Engineering Council of India** -

Mr. Shyam Bang and Prof. V K Srivastava

- 4) **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 2021 is given below along with the corresponding figures as on March 31, 2020.

SI. No	March 31,'21	March 31,'20
Organisational Member (Life)	93	89
Organisational Member (Annual)	62	62
Honorary Fellow	112	111 (revised)
Fellow (Life)	128	123
Fellow	22	22
Member (Life)	5631	5575
Member	746	749
Life Associate Member	3277	3165
Associate Member	921	928
Student Member	20,300	23,671

The number of Corporate Members attached to each of the Regional Centres (as on March 31, 2020) are as follows:

SI. No	Regional Centre	No. of Members
1	Ahmedabad	203
2	Amaravathi	75
3	Ankleshwar	488
4	Annamalai	80
5	Bangalore	192
6	Baroda	384
7	Bhubaneswar	140
8	Calcutta	704
9	Chandigarh	107
10	Chennai	506
11	Coimbatore	141
12	Dehradun	51
13	Dhanbad	41
14	Doaba	44
15	Durgapur	27
16	Goa	14
17	Guwahati	131
18	Haldia	152
19	Hyderabad	500
20	Jaipur	86
21	Kalpakkam	94
22	Kanpur	84
23	Kharagpur	96
24	Kochi	325
25	Lote	51
26	Lucknow	46
27	Mangalore	77
28	Mumbai	897
29	Nadiad	30

30	Nagpur	92
31	Northern	473
32	Paradeep	41
33	Pilani	30
34	Pondicherry	35
35	Pune	246
36	Roorkee	18
37	Rourkela	53
38	Sriharikota	26
39	Trivandrum	154
40	Vapi	62
41	Waltair	241

The following organizations were admitted as Organizational Members of the Institute upto March 31, 2021:

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	Birla Cellulosic, Bharuch
8	Blast Carboblocks Pvt. Ltd., Navi Mumbai
9	Deepak Fertilisers & Petrochemicals Corporation Ltd., Pune
10	Development Organization for Sustainable Transformation, Chandigarh
11	Dr Reddy's Laboratories Ltd., Hyderabad
12	Excel Industries Ltd., Mumbai
13	Firechem, Faridabad
14	Golden Chemicals (I) Ltd., Mumbai
15	Gujarat Alkalies & Chemicals Ltd., Baroda
16	Gujarat Heavy Chemicals Ltd., Veraval
17	Haldia Petrochemicals Ltd., Haldia
18	Haldor Topsoe International A/S, New Delhi
19	Heavy Water Board, Mumbai
20	Hercules Speciality Chemicals (India) Pvt. Ltd., Bangalore
21	Herdillia Chemicals Ltd., Mumbai
22	Hetero Drugs Ltd., Hyderabad
23	Hikal Ltd., Taloja, Maharashtra
24	Hindustan Dorr-Oliver Ltd., Mumbai
25	Hindustan Latex Ltd., Thiruvananthapuram

26	Indian Oil Corporation Ltd., Refinery Division, New Delhi
27	Jacobs H&G Pvt. Ltd., Mumbai
28	Kavaerner Powergas India Ltd., Mumbai
29	Kavin Engineering & Services Pvt. Ltd., Coimbatore
30	Labindia Instruments Pvt. Ltd., Thane
31	Llyod's Register of Shipping, New Delhi
32	Mecon Ltd., Ranchi
33	MMTC-PAMP India Pvt. Ltd., New Delhi
34	National Organic Chemicals Industries Ltd., Mumbai
35	Novo Iresc India Private Ltd., New Delhi
36	Oil and Natural Gas Corporation Ltd., Dehradun
37	Oster Chemical & Pharmaceutical Works Pvt. Ltd., Kolkata
38	Pidilite Industries Ltd., Mumbai
39	RPG Life Sciences Ltd., Mumbai
40	Sartorius India Pvt. Ltd., Bangalore
41	Themis Medicare Ltd., Mumbai
42	Toyo Engineering India Ltd., Mumbai
43	TUV Suddeutshland Ltd., Mumbai
44	United Phosphorus Ltd.,
45	Vical Inc., USA

16	Indian Institute of Chemical Technology, Hyderabad
17	Indian Institute of Petroleum & Energy, Visakhapatnam
18	Indian Institute of Science Education and Research, Bhopal
19	Indian Institute of Technology, Guwahati
20	Indian Institute of Technology, Kharagpur
21	Indore Institute of Science and Technology, Indore
22	JNTUA College of Engineering, Anantapur
23	KLE DR. M. S. Sheshgiri College of Engineering & Technology, Belgaum
24	Mahatma Gandhi Mission's College of Engineering & Technology, Navi Mumbai
25	Maulana Azad NIT, Bhopal
26	Mohamed Sathak Engineering College, Kilakarai
27	Nandha Engineering College, Erode
28	National Chemical Laboratory, Pune
29	National Institute of Technology, Trichirapalli
30	National Institute of Technology, Durgapur
31	National Productivity Council, Chennai
32	Nuclear Fuel Complex, Hyderabad
33	SSBT's College of Engineering & Technology, Jalgaon, Maharashtra
34	Sathyabhama Engineering College, Chennai
35	Shivaji University, Vidyanagar, Maharashtra
36	Guru Gobind Singhji Institute of Engineering & Technology, Nanded, Maharashtra
37	RVR & JC College of Engineering, Guntur
38	Regional Research Laboratory, Jorhat
39	St. Joseph's College of Engineering, Chennai
40	SSN College of Engineering, Tamil Nadu
41	Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu
42	Swami Ramananda Tirtha Institute, Nalgonda
43	Vikram Sarabhai Space Centre, Thiruvananthapuram
44	Institute of Chemical Technology, Mumbai
45	University College of TechnologyOsmania University, Hyderabad
46	University Institute of Chemical Technology, North Maharashtra University, Jalgaon
47	Sir Visvesaraya Institute of Technology, Nasik
48	Shivajirao S. Jondhale College of Engineering, Thane

**Life Organisational Members –  
Research & Educational Institutes**

1	Annamalai University, Annamalai Nagar
2	Assam Engineering College, Guwahati
3	Bineswar Brahma Engineering College, Assam
4	BIT Sindri Institute Dist. Dhanbad, Jharkhand
5	Central Leather Research Institute, Chennai
6	Central Salt & Marine Chemicals Research Institute, Bhavnagar
7	Chaitanya Bharathi Institute of Technology, Hyderabad
8	<i>Dibrugarh University Institute of Engineering and Technology, Dibrugarh</i>
9	Gharda Institute of Technology, Ratnagiri
10	HBTI, Kanpur
11	Haldia Institute of Technology, Haldia
12	Heritage Institute of Technology, Kolkata
13	High Energy Material Research Laboratory, Pune
14	IIIT Nuzvid, Rajiv Gandhi University of Knowledge Technologies, Nuzvid
15	Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu

<b>Annual Organisational Members – Industry</b>	
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:

<b>Year</b>	<b>No. of Candidates</b>
2011	2406
2012	2495
2013	2283
2014	1872
2015	1427
2016	1206
2017	1083
2018	843
2019	564
2020	214 (only for the March Semester)

The number of candidates who appeared for the final part (Part III) of the Institute's Associate Membership Examination during the last 10 years is as follows:

Year	Semester	No. Appeared	No. Passed	% of successful candidates
2011	March	53	51	96.22
	September	40	40	100.0
2012	March	56	51	91.07
	September	48	36	75.0
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

### 10.0 IICHe Awards 2020

Following is the list of IICHe Awards, which were presented on the occasion of CHEMCON 2020 in recognition of eminence and excellence in various spheres of chemical engineering profession and education. The list of awardees is also provided.

Sl. No.	Name of the Awards/Prizes	Awardees of the Year
1.	Dr.B.P.Godrej Life Time Achivement Award	<b>Mr P K N Panicker</b> , Past -resident, IICHe
2.	Dr H L Roy Memorial Lecture sponsored by Jacobs	<b>Professor Bala Subramaniam</b> , Dan F, Servey Distinguished Professor of Chemical and Petrochemical Engineering, Director, Center for Environmentally Beneficial Catalysis (CEBC), University of Kansas, Lawrence, KS
3.	Aker Powergas's Prof N R Kamath and Mrs Ruzena Kamath Memorial Lecture	<b>Dr R R Sonde</b> , Formerly Executive Vice President & now Advisor (Research, Technology & Innovation Centre) & Member on Board of Executive Council, Thermax
4.	Inventaa C K Murthy Memorial Lecture	<b>Professor Debangsu Bhattacharyya</b> , GE Plastic Material Engineering Professor, West Virginia University, Morgantown, USA
5.	Lala Shriram National Award for Leadership in Chemical Industry	<b>Mr. D. M. Butala</b> , Corporate Management Executive and Consulting Engineer, Vadodara
6.	ICI India Ltd Award for Excellence in Process or Product Development	<b>Dr Sundergopal Sridhar</b> , Senior Principal Scientist, Membrane Separations Group, Indian Institute of Chemical Technology, Hyderabad
7.	Herdillia Award for Excellence in Basic Research in Chemical Engineering	<b>Professor Bishnupada Mandal</b> , Indian Institute of Technology, Guwahati
8.	NOCIL Award for Excellence in Design or Development of Process Plant and Equipment	<b>Mr. Dhawal Saxena</b> , Executive Associate Director Blast Carbo Blocks Pvt Ltd, Navi Mumbai
9.	ONGC Award for Excellence in Design and Development of Oil/Gas Related Process Plant and/or Chemicals	<b>Dr. Tarun Kumar Naiya</b> , Associate Professor IIT (ISM), Dhanbad
10.	Hindustan Dorr-Oliver Award for Excellence in Use of Science & Technology in Rural Development	<b>Professor Shirish Hari Sonawane</b> , National Institute of Technology, Warangal (TS)
11.	Hindustan Lever Biennial Award for the most Outstanding Chemical Engineer of the Year (Under the Age of 45 Years)	<b>Professor Vimal Chandra Srivastava</b> , Indian Institute of Technology, Rorkee

12.	Amar Dye-Chem Award for Excellence in Research and Development (Under the Age of 35 Years)	<b>Dr. Vineet Aniya</b> , CSIR – Indian Institute of Chemical Technology, Ministry of Science & Technology, Govt of India Hyderabad
13.	Prof Shyamal Kanti Sanyal Memorial Award for the best PhD Thesis in the Area of Membranes Research with Significant Commercial Potential	<b>Dr. Akshay Modi</b> , Research Associate Indian Institute of Technology of Bombay, Powai Mumbai
14.	Dr A V Rama Rao Fndn Best Ph D Thesis and Research in Chemical Engineering/Technology	<b>Dr. Babul Prasad</b> , Post Doctoral Researcher The Ohio State University, Columbus, USA  And his research guide  <b>Professor Bishnupada Mandal</b> , Indian Institute of Technology, Guwahati
15.	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)	<u>1<sup>st</sup> Prize</u> <b>Mr. Ashin Antony Sunny</b> Institute of Chemical Technology, Mumbai  <u>2<sup>nd</sup> Prize</u> <b>Mr P Ravi Teja</b> , UPES, Bidholi, Deradun, Uttarakhand
16.	Chemical Weekly Award for the Best Paper Published in the Institute's Journal (ICE-2018)	<b>Dr Ashwini Sood, Dr Tulika Gaur</b> Harcourt Butler Technical University, Kanpur
17.	IICHe NRC Award Best Paper in "Indian Chemical Engineer" 2018	<b>Dr Ashwini Sood, Dr Tulika Gaur</b> Harcourt Butler Technical University, Kanpur
18.	The Kuloor Memorial Award to the best technical paper published in the journal of the Institute in the issues of the preceding year	<b>Dr Ashwini Sood, Dr Tulika Gaur</b> Harcourt Butler Technical University, Kanpur
19.	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	<b>Dr Shaik Shadulla, Dr K Satish Raj, Dr S V NAidu</b> AU College of Engineering, Andhra University, Visakhapatnam
20.	IICHe NRC Award 2 <sup>nd</sup> Best Paper in "Indian Chemical Engineer" 2018	<b>Dr Shaik Shadulla, Dr K Satish Raj, Dr S V Naidu</b> AU College of Engineering, Andhra University, Visakhapatnam
21.	IICHe NRC Award 3 <sup>rd</sup> Best Paper in "Indian Chemical Engineer" 2018	<b>Dr Vivek Nigam, Dr S Narasimha Reddy, Dr P S T Sai</b> Institute of Chemical Technology Madras, Chennai
22.	M P Chary Memorial Award	<b>Ms Harsha Nagar</b> , Chaitanya Bhrathi Institute of Technology, (CBIT), Hyderabad
23.	Late Lakshmi Nandakumar Award of the Institute for best presentation in Schemcon 2017 by a Lady Student	<b>Ms Jasneet Kaur Pala</b> Bits Pillani, Goa Campus, Goa
24.	Gouri Dutta Award for the Best Paper presentation in Schemcon 2017 of the Indian Institute of Chemical Engineers	<b>Mr. Yash Patel</b> , G H Patel College of Engineering & Technology, Gujarat
25.	Ambuja's Young Researcher's Awards for doing Post-Graduate Studies in India after GATE Examination (Ten Prizes)	<b>Mr Akash Gupta</b> ICT, Mumbai  <b>Ms Avni Singh</b> ICT, Mumbai  <b>Mr Naman Kukreja</b> ICT, Mumbai  <b>Ms Mamta Gwala</b> NIT, Durgapur



26.	Lupin Industries Best Chemical Engineering Teacher Award for the Faculties in Private Colleges below the age of 50 years	<b>Dr Mukunda Vai Medal</b> Anurag Univrtdity, Hyderabad
27.	Padmashri Professor G D Yadav and Dr (Mrs) Vasanti G Yadav Award for the Most Versatile Chemical Engineering below 25 years of age	<b>Mr Pingali Sai Praneeth</b> Indian Institute of Technology, Hyderabad  <b>Ms Aindrila Indra</b> Heritage Institute of Technology, Kolkata
28.	Ambuja's Best Student Chapter Award (2 Prizes)	<u>1<sup>st</sup> Prize</u> <b>IChE Student Chapter</b> <b>Sri Venkateswara College of Engineering</b> Pennalur, Sriperumbudur  <u>2<sup>nd</sup> Prize</u> <b>IChE Student Chapter</b> <b>SSN College of Engineering</b> Kalavakkam
29.	Pidilite's Best Student Chapter Award	<b>IChE Student Chapter</b> <b>Shroff S R Rotary Institute of Chemical Technology</b> Bharuch
30.	Best Regional Centre Award (3 Prizes)	<b>Category "A" Best</b> Calcutta Regional Centre, IChE  <b>Category "B" Best</b> Amaravati Regional Centre, IChE  <b>Category "B" Second Best</b> Trivandrum Regional Centre, IChE
31.	Prof.P.Sen Gupta Award for Best Employee of the Year	Mr Anirban Ghosh <b>IChE, Kolkata</b>
32.	Fellow	<b>1. Dr K Yamuna Rani</b> <b>2. Prof S V Satyanarayana</b> <b>3. Dr Bishnupada Mandal</b> <b>4. Dr Siddhartha Mukherjee</b> <b>5. Dr Prabir Kumar Saha</b> <b>6. Dr Bidhan Chandra Bag</b> <b>7. Dr Mihir Kumar Purkait</b> <b>8. Dr Subrata Kumar Majumder</b>

### 11.0 Students' CHEMCON

Away from the customary format, the 16th Annual Session of SCHEMCON 2020 was organized on 9 October 2020 by IChE headquarters in virtual mode due to the Covid-19 pandemic. The inauguration of the programme was marked by the address of the IChE President, Prof. V. V. Basava Rao. The welcome address was delivered by the Guest of Honour, Mr. Biswanath Chattopadhyay, CEO, IVL Dhunseri Petrochem Industries Limited and Prof. G. D. Yadav, Past President, IChE and former Vice Chancellor, ICT Mumbai. The Chief Guest, Mr. C.P. Gurnani, Chief Executive Officer and Managing Director, Tech Mahindra also spoke on the occasion. The event saw the launching of the IChE app and the dynamic website of the Institute. The inaugural programme was also graced by Vice Presidents, Prof. M.V Rao, RVR & JC College of

Engineering and Mr. P.K Saxena, Director & CEO Blast Carboblocks Pvt. Ltd. At the end of the inaugural function, vote of thanks was given by Dr. Avijit Ghosh, Honorary Secretary, IChE, Assistant Professor, Heritage Institute of Technology, Kolkata and the Organising Secretary, SCHEMCON 2020.

Around 300 students participated in SCHEMCON 2020, many of whom presented papers in different sessions. There were 17 parallel technical sessions and two special sessions, respectively, on Covid-19 and on Emerging Trends on E-waste Management. The event also included one invited talk, two keynote addresses, one panel discussion and the M.P Chary Memorial Lecture. The end was marked by an award ceremony right after the valedictory session.

After the inaugural ceremony, 17 parallel Technical Sessions were conducted in the areas of Nanomaterial & Nanotechnology; Green & Sustainable Energy; Waste Management: Land / Water / Environment, Biochemical Engineering: Bioreactor, Biomedical Engineering, Process of Modeling; Stimulation & Optimization; Other Areas of Chemical Engineering: Advanced Separation Technologies; Catalysis & Reaction Engineering; Process Intensification; Food & Nutrition; Polymers & Composites; Petroleum Refining & Petrochemicals; and Process Engineering Control & Automation.

The M.P Chary Memorial Lecture programme was chaired by Prof. Balasubramaniam, Anna University and by Prof. Bishnupada Mandal, IIT Guwahati.

The Special Session on Covid-19 was chaired by Dr. T. L Prasad, BARC; Dr. C. Karthikeyan, Anamalai University and Dr. M. P. Jain, Retd. Scientist, BARC. Another Special Session on Emerging Trends on E-Waste Management had Prof. Saikat Maitra, Vice Chancellor, MAKAUT, WB, as the Chief Guest. Prof. T. K. Pariya, Director, School of Energy Science, MAKAUT was the Guest of Honour and Prof. B. B. Paira, Academic Advisor, MAKAUT was the Session Chair. Eminent Speakers present were Prof. R Roychoudhuri, Heritage Institute of Technology, Kolkata; Mr. B. Debnath, Split Site Scholar, Aston University and Mr. A. Potluri, Managing Director, Green Waves Environmental Solutions.

Dr. Sonal Majumdar, FDA, USA delivered an invited talk on 'Continuous Manufacturing – Key to Sustainable Manufacturing'. Globally renowned academic, Padma Bhusan Prof. Dr. J. B. Joshi, Emeritus Professor-J.C. Bose Fellow, delivered an illuminating lecture on 'Wealth Generation for India through Science and Technology'. It was followed by another educative lecture by Prof. Jayant Kumar Singh, IIT, Kanpur on 'Molecular Simulation: Past, Present & Future'.

A Panel Discussion was the next programme, for which Prof V.V. Basava Rao was the Chairperson and Mr. Praveen Saxena was the moderator. The theme of the discussion was 'Manufacturing Upgradation by Artificial Intelligence'. The panelists comprised Prof. V. K. Rattan, VC, GNA University; Dr. Sanjeev Katti, Director General, Energy Centre, ONGC; Mr. Sushil Kumar, Past President, IChE and Ex-Unit Head, RIL Dahej; Mr. R.G. Rajan, Ex-CMD, Rashtriya Chemicals & Fertilizers; Mr. Saurabh Srivastava, Google Research Centre and Dr. U Kamachi Mudali, Ex-CMD, Heavy Water Board.

Mr. Dileep Thatte, National Institute of Standards and Technology (NIST), USA was the Chief Guest for the Valedictory Session. Guests of Honour were IChE Immediate Past President, Prof. S.V. Satyanarayana; Prof. V. S. R. K.

Prasad, Director, IIPE, Visakhapatnam and IChE Past President, Mr. Shyam Bang. Prof. V.V. Basava Rao, and Prof. M. V. Rao were present for the award giving function.

During the valedictory sessions, names of the recipients for the IChE student awards (SCHEMCON 2019) were read out and the certificates of awards were displayed for the winners. The names of the winners from different Technical Sessions of SCHEMCON 2020 were also declared.

The Valedictory Session came to an end with the Vote of Thanks by Dr. Avijit Ghosh.

## 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 Executive Committee Members

### Ahmedabad Regional Centre

#### Committee:

**Chairman:** Dr Sachin Parikh, **Honorary Regional Secretary:** Dr N M Patel, **Honorary Regional Treasurer:** Dr Satish Shah, **Member:** Prof C G Bhagchandani, Dr A P Vyas, Dr Rupande Desai, Mr Ashishbhai Soparkar, Dr Ronak Patel, Mr Hemalbhai Sheth, Mr Dinesh Verma and Mr R G Shah

### Amaravati Regional Centre

#### Committee:

**Chairman:** Dr V Govardhana Rao, **Vice-Chairman:** Dr N Sambasiva Rao, **Honorary Regional Secretary:** Dr M Venkateswara Rao, **Honorary Joint Regional Secretary:** Mr R Banerjee Babu, **Honorary Regional Treasurer:** Dr K Ramesh Chandra, **Members:** Mr M Raghavaiah, Dr C V Subrahmanyam, Mr G Ranga Rao, Mr G Venu Babu, Dr Vinoth Kumar Raja, Mr M Rama Krishna, Dr P Bangaraiah, Ms P Vijetha Chowdhary, **(Immediate Past Chairman, Ex-officio):** Mr J Murali Mohan, **Ex-officio (Immediate Honorary Jt Secretary, Ex-officio):** Dr J Srinivasa Rao, **Co-opted Members:** Dr T Subbaiah, Dr P Venkateswar, Mr N Jani Bhasha, **Invitees:** Dr A Suryanarayana, Dr K B K Rao, Mr E Pardhasaradhi, Mr K Siva Prasada Rao

### Ankleshwar Regional Centre

#### Committee:

**Chairman:** Mr S I Thakar, **Vice-Chairman:** Mr B D Dalwadi (Ankleshwar, Panoli), Mr Pravindan Gadhavi (Ankleshwar, Panoli), Mr M I Shamsi (Bharuch), Mr Manoj Kamaliya (Dahej),

**Honorary Regional Secretary:** Mr A I Shaikh, **Honorary Joint Regional Secretary-Dahej:** Mr Sandeep Parekh, **Honorary Joint Regional Secretary-Ankleshwar:** Mr Sunil Motiramani, **Honorary Joint Regional Secretary-Bharuch:** Mr D B Shah, **Honorary Joint Regional Secretary-Panoli:** Mr Rilesh Mehta, **Honorary Joint Regional Secretary-Jhagadia:** Dr Sunil Waje, **Honorary Regional Treasurer:** Mr Snehal Tralsawala, **Members:** Ojash Shah, Jayesh B Modi, P G Dave, N B Saraiya, Nitin Patel, R R Khandpur, Dinesh Patel, Ashutosh Kumar Singh, Shashi Shekhar, Ganesh R Sharma, Dhruvi A Mehta, B J Patel, Kapildev Vaste, Mr Joy M Shah, **Co-opted Member:** Prof Dr Parimal A Parikh, Mr K H Pandit, Mr Rajesh Bhavsar, **Immediate past Chairman:** Mr A K Sahni

#### **Annamalai-Neyveli Regional Centre**

##### **Committee:**

**Chairman:** Dr B Gopalakrishnan, **Vice-Chairman:** Dr R Palaniraj, **Honorary Regional Secretary:** Dr R Rajesh Kannan, **Honorary Joint Regional Secretary:** Dr R Jayakumar, **Honorary Regional Treasurer:** Dr T Balamurali, **Ex-Officio:** Dr S Arivukkarasan, **Member:** Dr M Karuppaiya, Dr R Ramsenthil, Dr S Raja, Dr V Saravanan, Dr B Sivaprakash, Dr S B Riswan Ali and Dr P Manivannan

#### **Baroda Regional Centre**

##### **Committee:**

**Chairman:** Mr S Sridhar, **Vice-Chairmen:** Mr R K Desai & Dr Nitin Bhate, **Honorary Regional Secretary:** Mr Nikhil Tonapi, **Honorary Joint Regional Secretary:** Mr Kisalay Kumar, **Honorary Regional Treasurer:** Mr N M Surana, **Member:** Mr Subhajit Sarkar, Mr Brijesh Trivedi, Mr Manish Shah, Mr Nikunj Parekh, Mr Sahabuddin Ahmed, Mr Manan Joshi, Mr Nikunj Jain, Mr Mehul Patel, Mr Vipul Mehta, Mr Bhavin shah, Mr Rahul Dole, Mr Mitesh Mahta, **Ex-officio:** Mr D Chakraborty, Mr D M Butala, Mr M K Ghosh, Mr P Vijayaraghavan, Mr Govindram, Mr B P Baliga, Mr M G Patel, Mr M R Padh, Mr M M Tare and Mr Rajesh Bhatt

#### **Bhubaneswar Regional Centre**

**Committee:** (EGBM extended the existing committee up to 30.06.2022 due to CHEMCON-2021)

**Chairman:** Er J N Mohanty, **Vice-Chairperson:** Dr (Mrs) Swaty Mohanty, **Honorary Regional Secretary:** Dr Ranjan K Dwari, **Honorary Joint Regional Secretary:** Er Bibek Dash, **Honorary Treasurer:** Dr (Ms) Barsha Marandi

#### **Calcutta Regional Centre**

##### **Committee:**

**Chairman:** Mr Abhijit Kumar Mitra, **Vice-Chairman:** Prof Ashit

Mazumder, **Honorary Regional Secretary:** Mr Anjan Kumar Bhattacharyya, **Honorary Regional Treasurer:** Prof Papita Das

#### **Chandigarh Regional Centre**

##### **Committee:**

**Chairman:** Mr Sandeep Sharma, **Vice-Chairman:** Mr Deepak Mahan, **Honorary Regional Secretary:** Prof V K Rattan, **Honorary Joint Regional Secretary:** Dr Amit Sobti, **Honorary Treasurer:** Prof R K Chhabra, **Member:** Prof S K Sharma, Prof Anupama Sharma, Prof Ritu Gupta, Prof Sushil Kansal, Prof U C Banerjee, Dr S S Bhinder, Dr Gaurav Rattan, Dr Sonia Sharma, **Co-opted Members:** Prof Anupama Thakur, Prof Seema Kapoor, Dr H S Nandanwar, Prof Amrit Pal Toor and Mr Vivek Gupta

#### **Chennai Regional Centre**

##### **Committee:**

**Chairman:** Prof R Parthiban, **Honorary Regional Secretary:** Mr K Sadanand, **Honorary Joint Regional Secretary:** Mr Vijay Samuel G, **Honorary Treasurer:** Dr Kavitha N P, **Member:** Ms Vidya Shankar, Mr R Rajaraman, Mr S Sekar, Ms R Subathra, Dr B Bharathiraja, Ms S Sivanarutselvi, Dr N Meyyappan and Mr D Sivakumar

#### **Coimbatore Regional Centre**

##### **Committee:**

**Chairman:** Dr T Kannadasan, **Vice-Chairman:** Mr G P Livingstone Rose, **Honorary Regional Secretary:** Mr A Vivek Joe Bharat, **Honorary Joint Regional Secretary:** Dr P Muthusamy, **Honorary Regional Treasurer:** Mr P Babu, **Member:** Dr M Thirumaraimurugan, Dr V M Sivakumar, Dr K Kannan, Dr P Sivakumar, Ms V P Mohanajeyavalli, Dr K Senthilkumar, Mr S Mothil, Dr G Gnanavel, Dr T Sivakumar and Ms Nisha Subhash

#### **Dehradun Regional Centre**

##### **Committee:**

**Patron:** Dr Anjan Ray, **Chairman:** Dr S J Chopra, **Vice-Chairman:** Dr Shrikant Nanoti, **Honorary Regional Secretary:** Dr Vijay Parthasarthy, **Honorary Regional Treasurer:** Dr Rajeshwar Mahajan, **Member:** Dr Sunil Kumar, Dr Shubam Paul, Mr Arvind Bhatia, Dr Santosh K Gupta, Dr M O Garg

#### **Dhanbad Regional Centre**

##### **Committee:**

**Chairman:** Prof Vikas Mahato, **Vice-Chairman:** Dr Gautam Sarkhel, **Honorary Regional Secretary:** Prof Tarun Kumar Naiya, **Honorary Joint Regional Secretary:** Prof Ejaz Ahmad,

**Honorary Regional Treasurer:** Prof Suresh Kumar Yatirajula, **Member:** Prof I M Mishra, Prof Vineet Kumar, Prof Arun Kumar Samanta, Prof Suman Dutta, Prof Durbha Krishna Sandilya, Prof Lutukurthi D N V V Konda, Dr Mahendra Ram, Dr Debashree Ghosh, Prof Suresh Pandyam, **Invitee Member:** Mr Saurabh Singh, Mr Uday Paswan & Prof Ajay Mandal

#### **Doaba Regional Centre**

##### **Committee:**

**Chairman:** Dr M K Jha, **Vice-Chairman:** Dr Ajay Bansal, **Honorary Regional Secretary:** Dr Shailendra Bajpai, **Honorary Joint Regional Secretary:** Dr Renu Gupta, **Honorary Regional Treasurer:** Mr Kamoj Kumar, **Member:** Dr Poonam Gera, Dr Rajiv Arora, Dr Vipin Kumar, Dr Manoj kr Jindal and Dr Tapas Palai

#### **Goa Regional Centre**

##### **Committee:**

**Chairman:** Prof Sampatrao D Manjare, **Vice-Chairman:** Dr Asima Shaukat, **Honorary Regional Secretary:** Prof Saroj S Baral, **Honorary Regional Treasurer:** Dr Amol Deshpande

#### **Guwahati Regional Centre**

##### **Committee:**

**Chairman:** Prof Anugrah Singh, **Vice-Chairman:** Prof Pankaj Tiwari, **Honorary Regional Secretary:** Prof Nanda Kishore, **Honorary Joint Regional Secretary:** Dr Lalit Mohan Pandey, Dr Ujwala Hujuri, **Honorary Regional Treasurer:** Prof Raghavendra Gupta, **Members:**

#### **Hyderabad Regional Centre**

##### **Committee:**

**Chairman:** Dr Sanjay Bhardwaj, **Vice-Chairman:** Prof P Shashikala, **Vice-Chairman:** Dr V Pavan Kumar, **Honorary Regional Secretary:** Mr S Illaiah, **Honorary Joint Regional Secretary:** Mrs D Shruthi Keerthi, **Honorary Regional Treasurer:** Dr M Mukunda Vani, **Members:** Dr Alka Kumari, Dr Vineeth Aniya, Mrs M Shireesha, **Co-opted:** Mrs S Sheela, Dr S Altaf Hussain, Dr Ravi Chandran Palaparathi

#### **Kanpur Regional Centre**

##### **Committee:**

**Chairman:** Dr Rajesh Kumar Garg, **Vice-Chairman:** Dr Vinay Kumar Sachan, **Honorary Regional Secretary:** Mr Ashutosh Kishra, **Honorary Joint Regional Secretary:** Mr Vishesh Agarwal, **Honorary Regional Treasurer:** Dr Arun Kumar Gupta, **Members:** Dr Rakesh Kumar Trivedi, Dr Deepak Srivastava (Ex-Officio), Dr Umesh Chandra Sharma, Dr Sanjiv Kumar Gupta, Dr Manish Singh Rajput, Dr Abhishek Chandra and Mr Rajeev Kumar Yadav

#### **Kochi Regional Centre**

##### **Committee:**

**Chairman:** Dr Babu Jose, **Vice-Chairman:** Mr Sajan M, **Honorary Regional Secretary:** Mr Mohan N, **Honorary Joint Regional Secretary:** Mr Chandramohan T, **Honorary Regional Treasurer:** Mr Attoor Naveen, **Member:** Mr Manoj N, Mr Ajith Prasad, Ms Divya K, Mr Harikumar M P, Mr N K Thankappan, Mr O A Nizam, **Invitee:** Mr K F Sajo

#### **Lucknow Regional Centre**

##### **Committee:**

**Chairman:** Er Rajat Mehra, **Vice-Chairman:** Er D K Srivastava, **Honorary Regional Secretary:** Dr Ram Pravesh, **Honorary Joint Regional Secretary:** Er Mayur Tandon, **Honorary Regional Treasurer:** Dr Sudeep Tandon, **Members:** Prof (Dr) I D Mall, Er P N Tandon, Prof (Dr) A K Jain, Dr G N Garg, Prof (Dr) A K Johari, Prof (Dr) A S Vidyarthi, Prof (Dr) B N Mishra, Dr Dhananjay Singh, Er Ranvir Singh, Er Suresh Kumar Patel and Dr Sushil Kumar

#### **Mangalore Regional Centre**

##### **Committee:**

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

#### **Mumbai Regional Centre**

##### **Committee:**

**Chairman:** Prof A B Pandit, **Vice-Chairman:** Mr Lalit Vashista, **Honorary Regional Secretary:** Mr Dhawal Saxena, **Honorary Joint Regional Secretary:** Mr Pratik G Bhagat, **Honorary Regional Treasurer:** Mr Mahendra Patel, **Honorary Joint Treasurer:** Mr Rajesh A Jain, **Member:** Dr T L Prasad, Mr M P Jain, Mr Akash Shinde, Dr Alpana Mahapatra, Dr Aparna N Tamaskar, Mr Shreedhar M Chitanvis, Mr Jagdish Nageshri, **Immediate Past Chairman:** Dr U Kamachi Mudali, Co-opted Member: Mr Vijay Sane, Mr Praveen Kumar Saxena and Prof Sanjay Mahajani

#### **Nadiad Regional Centre**

##### **Committee:**

**Chairman:** Dr Anand P Dhanwani, **Honorary Regional Secretary:** Dr Vimal G Gandhi, **Honorary Regional Treasurer:** Dr Mihir P Shah, **Member:** Prof Nirav J Bhavsar

## **Nagpur Regional Centre**

### **Committee:**

**Chairman:** Dr G K Ghosal, **Vice-Chairman:** Prof V S Sapkal, **Honorary Regional Secretary:** Dr A N Vaidya, **Honorary Joint Regional Secretary:** Dr Y C Bhattacharyulu, **Honorary Regional Treasurer:** Dr R B Biniwale, **Member:** Dr T Chakrabarti, Dr S D Dawande, Dr S Mandavgane, Dr Chaurasiya, Dr K L Wasewar, Dr B G Bhotmange, Dr J S Mohite and Dr Vijay Kumar

## **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 Anshuman Agrawal, **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 Amit Jain, **Co-opted Members:** Dr S N Chakravarty and Mr Shyam Bang

## **Pilani Regional Centre**

### **Committee:**

**Chairperson:** Dr Smita Raghuvanshi, **Honorary Regional Secretary:** Dr Bhanu Vardhan Reddy Kuncharam, **Honorary Regional Treasurer:** Dr Somak Chatterjee, **Member:** Dr Hare Krishna Mohanta, Dr Arvind K Sharma, Dr Pradipta Chattopadhyay, Dr Suresh Gupta, Dr Pratik N Sheth, Dr Banasri Roy, Dr Srinivas Appari, Dr Priya C Sande, Dr Amit Jain, Dr Ajay Kumar Pani

## **Pondicherry Regional Centre**

### **Committee:**

**Chairman:** Dr Srinivasan G, **Honorary Regional Secretary:** Dr Sridhar R, **Honorary Joint Regional Secretary:** Mr Jayakumar V, **Honorary Regional Treasurer:** Mrs Pallavhee, **Member:** Mr Varadharajan M, Mrs Usha S, Mrs Priya K, Mr Vijayaraj V, Mr D M Senthilkumar and Dr S Sundaramoorthy

## **Pune Regional Centre**

### **Committee:**

**Chairman:** Mr Alok Pandit, **Honorary Regional Secretary:** Dr Utkarsh Maheshwari, **Honorary Regional Treasurer:** Dr Prafulla L Garge, **Immediate Past Chairman:** Dr Sanjay Kamble, **Immediate Past Secretary:** Dr Suyogkumar Taralkar, **Members:** Dr Subhash Hari Vaidya, Dr Vinay Bhandari, Dr Chandrashekhar Rode, Mr Milind Talathi, Dr Manik Deosarkar, Dr Somnath Nandi, Dr Shashank Gaikwad, Mr Gangadhar Ukidve, Mr Shripal Gaikwad

## **Rourkela Regional Centre**

### **Committee:**

**Chairperson:** Prof Madhusree Kundu, **Vice-Chairman:** Dr Hara Mohan Jena, **Honorary Regional Secretary:** Dr Krunal M Gangawane, **Honorary Joint Regional Secretary:** Dr Biswajit Saha, **Honorary Regional Treasurer:** Dr Arvind Kumar, **Member:** Prof R K Singh, Dr Akhilesh K Sahu, Mr S C Padhi, Prof Swadesh Kumar Pratihar, Prof Manoj Mishra and Dr Mahendra Chinthala

**Sriharikota Regional Centre** (formally inaugurated on 08.11.2020)

### **Committee:**

**Chairman:** Mr P Kanakaraju, **Vice Chairman:** Mr Srinivas Babu N, **Honorary Regional Secretary:** Mr H Rajeev Singh, **Honorary Joint Regional Secretary:** Mr Sreekanth Annamgi, **Honorary Treasurer:** Mr Y Sreekanth Reddy, **Member:** Mr K V Suresh Babu, Ms Sangeetha K, Mr Susanta Kr Pradhan, Ms K Ashwini

## **Trivandrum Regional Centre**

### **Committee:**

**Chairman:** Mr S K Manu, **Vice-Chairman:** Dr Shaneeth M, **Honorary Regional Secretary:** Mr Rejesh E K, **Honorary Joint Regional Secretary:** Mr Lakshman Yalisala, **Honorary Regional Treasurer:** Mr Vibhu Unnikrishnan, **Member:** Mr Somnathan S, Dr Venugopal D S, Ms Susmitha Kumari S, Mr Dev Anand M, Dr K B Radhakrishnan, Mr V Binuraj, Mr Nallaperumal A M, Mr Sathis Kumar P S, Dr V M Lakshmi, Mr Ajunraj M, Mr Alwan S, Mr C R Thomas, Dr K M Usha, Dr Rm Muthiah, Mr M M Sreekumar, Mr Kiran Kumar and Mr Manikandan P M

## **Vapi Regional Centre**

### **Committee:**

**Chairman:** Mr Rameshchandra Prajapati, **Vice-Chairman:** Mr Shashikant S Pokale, **Honorary Regional Secretary:** Dr U M Rao, **Honorary Joint Regional Secretary:** Mr Piyush Joshi, **Honorary Regional Treasurer:** Mr Vinod S Kashalikar, **Members:** Mr Kirit Shah, Mr Sashidhar Gosi, Dr H M Bhatt, Mr J R Shah, Mr Maulick Desai, Mr H K Doshi, Mr Vijay Savarkar, Khubchandani, **Co-opted:** Mr P D Khedkar, Mr Vishal Patil

## **Waltair Regional Centre**

### **Committee:**

**Chairman:** Dr A Srinivasa Kumar, **Vice-Chairman:** Mr E Esakki Ram Kumar, **Honorary Regional Secretary:** Prof G MJ Raju, **Honorary Joint Regional Secretary:** Dr C V

Nageswara Rao, **Honorary Regional Treasurer:** Prof V Meena, **Members:** Prof S V Naidu, Prof Pulipati King, Prof R Padma Sree, Prof D Appala Naidu, Dr G V S Sarma, Dr B Demudu, Dr Narayana Saibaba K V, Dr B Sarva Rao, Dr Ch Anil, Mr D V Padma and Dr P Satya Sagar

#### 14.0 Beyond March

As per the convention, the Annual Report of the IChE Headquarters has covered activities of the Institute for the financial year April 2020 – March 2021. However, we deem it would be appropriate to keep our valued Members posted about important activities of the Institute that were conducted after March 2021.

**Online Internship Program - 2021:** Following encouraging response last year, the second edition of the Online Internship Program (OIP-2021) was initiated in February 2021. Held in several batches, there was very positive feedback about the OIP-2021 from the students. Courses were offered in eight subjects, namely, Six Sigma (Yellow Belt); Chemical Process Technology; Petroleum Refinery Engineering; Project Management; Petrochemical Engineering; Process Safety Management; Zero Liquid Discharge Management and Biochemical Engineering.

**GATE Coaching by Vani Institute:** IChE has formed collaboration with the Hyderabad-based Vani Institute of Engineering & Technology for GATE and ESE coaching at the IChE Headquarters in Kolkata. The IChE Student Members will get an additional 5 – 10 per cent discount.

**Collaboration with SIT:** IChE signed an MoU with Siddaganga Institute of Technology (SIT), Tumakuru in July 2021 for establishing a Risk Management Centre of Excellence (RMCoE) at Tumakuru, India. IChE will be involved in matters of professional outreach for the RMCoE. Specifically, IChE will focus areas, such as, effective curriculum delivery, research, development and policy advisory.

**Collaboration with Terra Green Technologies:** Another important collaboration has been forged between IChE and Terra Green Technologies Private Ltd., Kolkata for offering Online Industrial Start-up Internship.

**SCHEMCON 2021:** The 17th session of the Students' CHEMCON (SCHEMCON) was organized on 22 and 23 October 2021, jointly by IISER, Bhopal and MANIT, Bhopal with the active support of the IChE Headquarters. The central theme for this year's SCHEMCON was 'Globally Advancement in Technology for Environment 2021' (GATE -2021).

**CHEMCON 2021:** Indian Chemical Engineering Congress & the 74th Annual Session of Indian Institute of Chemical Engineers (CHEMCON 2021) is scheduled to be held during 27–30 December 2021 in Bhubaneswar. The Bhubaneswar Regional Centre of IChE and CSIR-IMMT, Bhubaneswar are organizing CHEMCON 2021 in association with ICT-IOC, Bhubaneswar.

**ACMS-2022:** IChE will be celebrating its Platinum Jubilee in the year 2022. The Institute Headquarters is gearing up for the year-long celebration of the Platinum Jubilee in a befitting manner. The inauguration of the year-long celebration will be marked with an International Conference under the title of 'Advances in Chemical and Materials Sciences (ACMS-2022)', to be organized in Kolkata during 24 to 26 February 2022. The event will be organized in association with National Institute of Technology (NIT) Jalandhar; Heritage Institute of Technology (HIT), Kolkata and Osmania University College of Technology, Hyderabad. The venue for the conference will be the HIT.

**List of IChE Meetings held in 2021**

Council Meetings	Date
2 <sup>nd</sup> Meeting	13.02.2021
3 <sup>rd</sup> Meeting	24.04.21
4 <sup>th</sup> Meeting	22.10.21
5 <sup>th</sup> Meeting	13.11.21
6 <sup>th</sup> Meeting	27.12.21
1 <sup>st</sup> Office Bearers' Meeting	25.07.2021
2 <sup>nd</sup> Office Bearers' Meeting	07.12.2021
Special Council Meeting	22.12.2021

<b>Committee Meetings</b>	<b>Date</b>
1 <sup>st</sup> Meeting of Headquarters Office Administrative Committee	06.03.2021
1 <sup>st</sup> Meeting of Building Committee	07.03.2021
1 <sup>st</sup> Meeting of Finance Committee	13.03.2021
1 <sup>st</sup> Meeting of Process Safety, Environment & Energy committee	10.04.21
1 <sup>st</sup> Meeting of Service Rules Amendment Committee	19.06.2021
1 <sup>st</sup> Meeting of Constitutional Amendment Committee	26.06.2021
2 <sup>nd</sup> Meeting of Constitutional Amendment Committee	16.10.2021

2 <sup>nd</sup> Meeting of Finance Committee	18.07.2021
2 <sup>nd</sup> Meeting of Office Administrative Committee	08.08.2021
1 <sup>st</sup> Meeting of Publication Committee	11.08.2021
1 <sup>st</sup> Meeting of ACMS-22 Working Committee	02.10.2021

#### **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.

**Avijit Ghosh**  
Honorary Secretary

**List of Corporate Members present at  
73<sup>rd</sup> (Seventy-Third) Annual General Meeting, IICHe – 2020**

<b>Members who were present online</b>					
<b>Sl.No.</b>	<b>Name</b>	<b>Membership No.</b>	<b>Sl.No.</b>	<b>Name</b>	<b>Membership No.</b>
1	Agarwal Madhu	LM-40031	33	Nath Baidurjya	LM-50992
2	Balasubramanian N.	LM-27085	34	Paira B.B.	LF-01706
3	Bang Shyam	LF-07736	35	Panigrahi Pradeep	SM-70844
4	Basu Kalyan	LM-03450	36	Patangay Shashikala	LM-11789
5	Bej Barnali	LM-30718	37	Prapurna Naga	LM-11440
6	Bhasha Jani N.	LM-53480	38	Radhakrishnan K.B.	LM-20961
7	Boxi Sankar Siddhartha	LM-54386	39	Rajasimman M.	LM-26997
8	Brahma Kumar Nitosh	LM-10671	40	Ramesh Kumar V.	LM-16939
9	Butala Dinesh	LM-03368	41	Rana Keka	LAM-37868
10	Chokkakula Apparao	LAM-38808	42	Rao Madhusudhan V.	LM-27709
11	Daida Sunitha	LM-53530	43	Rao Malapati Venkateswara	LM-06492
12	Das Lipika	LM-47782	44	Rao P.G.	LF-10173
13	Ghosh Sandip	LM-32074	45	Rastogi Chandra Ramesh	LM-20773
14	Ghosh Tanushree	LAM-37970	46	Ratnam Venkata	LM-53489
15	Gupta S. K.	LM-19814	47	Rattan V.K.	LF-04433
16	Ingle Pradnya	LM-51006	48	Roy Sutapa	LM-37900
17	Jain M. P.	LM-08262	49	Sahu Somak Jyoti	LM-37867
18	Jain Rajesh	LAM-68968	50	Sainath K.	LM-54563
19	Joshi Ravindra	LAM-05802	51	Samanta Sonali	LAM-52064
20	Karthikeyan Chinnappan	LM-17257	52	Sane V.Y.	LM-12463
21	Kisalay Kumar	LAM-60839	53	Sanghai Prabhas	LM-70425
22	Kuila S.B.	LM-37901	54	Satyanarayana S.V.	LF-13584
23	Kumari Anita	LM-13544	55	Sethuraman G.V.	LF-12038
24	Mahapatra Alpana	LM-20164	56	Shreedhar Chitanvis	LM-05780
25	Mahendrakumar Patel A.	LM 35101	57	Sridharan S.S.	LM-05084
26	Mandal Biswajit	LM-45506	58	Srivastava Dinesh Chandra	LM-64470
27	Manna T.K.	LM-10869	59	Srivastava Vinay	LF-07839
28	Master Jayesh	LM-16882	60	Sunder Shyam R.	LAM-61719
29	Misra M.	LM-13310	61	Thati Jyothi	LAM-61723
30	Mitra Amal Kumar	LM-06704	62	Vani Mukunda	LM-43899
31	Nagar Harsha	LAM-70968	63	Venkateshwar Sreerangam	LM-08586
32	Nandru Rama	LM-43898			
<b>Members who were present offline</b>					
1	Aniya Vineet	LM-61826	12	Rao Basava V.V.	LM-11006
2	Bhardwaj Sanjay	LM-56227	13	Rao Ranga M.	LM-09037
3	Bhasker V.	LM-53531	14	Reddy Bhasker A.	LF-12039
4	Gaikwad Kirankumar U.	LAM-63713	15	Reddy Mahendra Raja M.	LM-13393
5	Ghosh Avijit	LM-50202	16	Saxena Dhawal	LM-43343
6	Ilaiah S.	LM-54313	17	Saxena Praveen	LM-24115
7	Jaya Prakash D.	LM-08315	18	Sheela	LM-10864
8	Jha M.K.	LF-09764	19	Sundar Shyam R.	LM-19226
9	Kumar Kiran R.	LM-17249	20	Venkateshwar S.	LF-04040
10	Prasad T.L.	LF-09599	21	Waghray Kanta	LM-53528
11	Ramulu C.P.	LM-09919			