

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

Annual Report for 2017-2018

1.0 Introduction

The report covers major activities of the Institute during the period 1 April 2017 to 31 March 2018.

2.0 70th Annual Session and CHEMCON 2017

The 70th Annual Session of Indian Institute of Chemical Engineers (IICChE), i.e., Indian Chemical Engineering Congress (CHEMCON 2017) was organized at Haldia by Haldia Regional Centre of IICChE during 27 – 30 December 2017 in association with the Department of Chemical Engineering of Haldia Institute of Technology (HIT) and supported by Department of Biotechnology & Food Technology of the same Institute. The central theme for this CHEMCON was 'Versatility of Chemical Engineering to Meet Societal Changes'.

The Chief Guest, Dr. U. Kamachi Mudali, Chairman & Chief Executive, Heavy Water Board, DAE, Government of India inaugurated the event on 27 December 2017 by lighting a lamp. Other dignitaries, who were present, included Prof. G.D.Yadav, VC, ICT, Mumbai, and Chairman, National Organizing Committee, CHEMCON 2017; Prof. P. De, President, IICChE; Mr. Dipak Dutta, Hon. Secretary, IICChE; Prof. Radha Das, Organising Secretary, CHEMCON 2017; Dr. L. Seth (Ex MP & Chairman, HIT); Mr. A.P.,Gangopadhyay, Former ED, IOCL, Haldia and Chair of the Organizing Committee; Mr. A.K. Ghosh, EVP-Head Plant, HPL; and Chairman. Prof. P De delivered the Presidential Address and presented the IICChE awards.

The inaugural function was followed by presentation of the three Memorial Lectures by renowned authorities in the field of chemical engineering. Dr. H L Roy Memorial Lecture, sponsored by Jacobs, was delivered by Dr. Asoke Dey Sarkar, Chairman, PfP Industries LLC, USA on 'Convergence in Education & Entrepreneurship in Work'. The second lecture, Aker Powergas's Prof. N.R. Kamath and Mrs. Ruzena Kamath Memorial Lecture was delivered by Prof. Sadhan C. Jana, Chairman, Department of Polymer Engineering, University of Akron on 'Changing Landscape

in Polymer Research: Role of Chemical Engineers', and Inventaa C.K. Murthy Memorial Lecture was delivered by Ms. Sheela, Dy. Chief Executive, (Z & SM), Nuclear Fuel Complex, Hyderabad on 'Role of Chemical Engineers in Atomic Energy to Serve Society'.

As customary, December 28, 2017, the birth anniversary of the late Shri Dhirubhai Ambani, was celebrated as Shri Dhirubhai Ambani Commemoration Day in association with Reliance Industries Limited. Dr. Baldev Raj, Director, National Institute of Advanced Studies, delivered the Dhirubhai Ambani Oration on 'Energy Sustainability in India: Challenges and Opportunities'.

During the event, around 400 Technical Papers were presented in 27 parallel sessions, including two poster sessions. along with 16 Chemcon Distinguished Speaker (CDS) award lectures (listed in Section 8.0).

Joint Symposia: Indo-Canadian Joint Symposium on 'Chemical Engineering in Development of Energy and Environmental Technologies' and a special Joint Symposium on the theme of the conference 'Versatility of Chemical Engineering to Meet Societal Challenges' were held. Academics from many overseas universities, including, University of Akron, USA; University of Alberta & York University, Canada; University of Sydney, Australia; Morelia Technological Institute, Mexico; National University of Singapore; KU Leuven, Belgium; Queens University Belfast, UK; University of North Carolina, USA; National University, San Diego, USA; and Shizuoka University of Japan were present at CHEMCON.

Award Presentation

A long list of IICChE awards were presented on the occasion, which included the following two prestigious National Awards

Firstly, the Dr B P Godrej Life Time Achievement Award was conferred upon Mr. D P Misra, Past President, IICChE and a Distinguished Chemical Engineer.

Secondly, Lala Shriram National Award for Leadership in Chemical Industry was conferred upon Dr. Purnendu

Chatterjee, Chairman, Haldia Petrochemicals Ltd. and TCG Life Science Group in appreciation of his long contribution towards Chemical Engineering profession in the country.

A detailed list of all the awards and awardees is published in Section 8.0.

3.0 70th Annual General Meeting

The 70th (seventieth) Annual General Meeting (AGM) of the Institute was held on December 28, 2017 at the Haldia Institute of Technology, Halida. Prof P De, President of the Institute for 2017, chaired the meeting and called the meeting to order. It was attended by 50 Corporate Members. (A list is presented in the back inside cover page).

The minutes of the 69th (Sixty-ninth) Annual General Meeting held on December 28, 2016 at A C Tech., Anna University, Chennai, which was circulated on November 16, 2017 by Mr Dipak Dutta, Honorary Secretary, were confirmed, as proposed by Prof S C Naik (Bhubaneswar) and seconded by Dr D Gokul (Chennai).

The meeting unanimously adopted the Annual Report of the Institute for the period between April 01, 2016 and March 31, 2017 as circulated.

The meeting thereafter adopted the Audited Statement of Accounts for the year 2016-17 of the Institute unanimously.

During the previous AGM (69th AGM, held in 2016), the members had decided that Regional Centres, which would fail in submitting their respective audited Account and Annual Report in time and in prescribed format, would be suspended and their bank accounts would be sealed. Members empowered the Council to revoke suspension order on defaulter Regional Centres, provided the defaulting Regional Centres submit Annual Accounts and Annual Reports to the Headquarters in proper formats and with due signature by the office bearers. The AGM approved revocation of the suspension order on Waltair and Ahmedabad Regional Centres.

The meeting decided to appoint K R A G & Associates, Chartered Accountants, 87, Golf Club Road, Tollygunge, Kolkata- 711 102, West Bengal as Auditors of the Institute for the financial year 2018-2019 at an annual remuneration of Rs. 22,000/-.

The names of the newly elected Council members for the period 2018 - 2020 were announced. The Members welcomed the elected members for joining the new Council.

The members agreed about collecting the latest contact details of the IChE members from the CHEMCON 2017 register so that the Headquarters could update its list for voter registration.

The members discussed the possibilities of merger of certain awards for which enhancement of endowment is not available.

Prof P De, President thanked the Council members, the members of the Executive Committees of Regional Centres as well as of Students Chapters and the members of the institute for extending sincere help and co-operation for all activities during the year.

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

4.0 R&D Activities by IChE HQ

The Institute is recognized by the Department of Science and Technology, Government of India, as a Scientific and Industrial Research Organization. Some of the major R&D projects concluded by the Institute in recent times include:

- * Parametric optimization and control of semi-batch reactor for sulfonation process.
- * Green route synthesis of cadmium sulfide quantum dots.
- * Treatment of coke oven waste water using hybrid technology.
- * Flow of emulsion through porous media.
- * Supercritical fluid extraction of natural products from various plant residues.

Research work on 'Hydrodynamics of tapered bubble column' was carried out by Mr Sandip K Ghosh, Assistant Secretary – Research & Professional Development', IChE with the permission granted by his employer. The research work was carried out at the Department of Chemical Engineering, University of Calcutta under the supervision and guidance of Prof. Amitava Bandyopadhyay, a Life Member of IChE.

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 aegis of the RCs are presented below.

Name of the Regional Centre	R&D Related Activities
Ankleshwar	<p>a) Technical Lectures/Talks:</p> <ol style="list-style-type: none"> 1) On 'Heat Recovery and Heat Transfer - Innovative Solutions'. Date: 15.09.2017. 2) On 'Water: Today's Challenges and Heat Transfer-Innovative Solutions (Cooling Water, RO Membrane Chemicals, Waste Water Management)'. Date: 10.11.2017. 3) On 'Adhesive Technology Workshop'. Date: 21.11.2017. 4) On 'Manufacturing Intelligent Solutions (MIS)'. Date: 10.02.2018. <p>b) Seminar: On 'Chemical Industry - Window-view to Environmental Management for Sustainable Growth'. Date: 22.03.2018</p> <p>c) Refresher Course: On 'Drying in Process Industries'. Date: 24.11.2017.</p> <p>d) interactive session A session between visiting IIT-Mumbai (Chemical Engineering) students and entrepreneurs was organized. Date: 10.12.2017.</p> <p>e) Student Chapter Activity: Pacific School of Engineering A Faculty Development programme on 'Team Building' was organized. Date: 21.08.2017.</p>
Annamalai -Neyveli	<p>a) Student Chapter Activities: Annamalai University</p> <ol style="list-style-type: none"> i. Technical Lectures:: On 'Hands on Training on Molecular Modeling and Drug Designing' by Dr R Suresh, Assistant Professor in Pharmacy,. Date: 19.04.2018. ii. National Symposium titled 'InChES 2K18' was organised. Date: 08 & 09.03.2018.
Baroda	<p>a) Technical Lectures:</p> <ol style="list-style-type: none"> 1) On 'Safety Relief Valves – Design to Operation' by Mr Chetan Patil, Linde Engineering India. Date: 20.01.2018. 2) On 'Overview of CHAZOP Study' by Shri G Vishvanathan, Vadodara. Date: 24.03.2018. <p>b) Seminar : On 'Heat Transfer Enhancement by Tube Inserts'. Well known academic, Mr. Ashwin Chandarana, Vadodara was the resource person. Date: 12.05.2018.</p>
Bhubaneswar	<p>a) Technical Lectures :</p> <ol style="list-style-type: none"> 1) On 'Next Generation Biomaterials Inspired by Nanotechnology' by Dr Brian G Cousins, University College London,UK. Date: 01.03.2018. 2) On 'A-site deficient, La and Ca bi-doped Strontium Titanate Anode for Direct Methane Solid Oxide Fuel Cell' by Prof Suddhasatwa Basu, Director CSIR-IMMT, Bhubaneswar. Date: 03.06.2018. 3) On 'Microalgal-based Biorefinery Coupled with Enhanced CO₂ Sequestration' by Dr Kaustubha Mohanty, Professor, Dept of Chemical Engineering & Centre for Energy, IIT, Guwahati. Date: 27.06.2018

	<p>b) Student Chapter Activities</p> <ul style="list-style-type: none"> i. Bhubaneswar RC provided sponsorship towards organization of techno-cultural Fest 'QUMICA 3.0'. Date: 16 & 17 October, 2017. ii. The RC also sponsored the 'Keynote address' at SCHEMCON, organised by the Student Chapter of NIT, Rourkela under Rourkela RC. Date: 7 & 8 October, 2017.
<p>Calcutta</p>	<p>a) Technical Lectures:</p> <ul style="list-style-type: none"> 1) On 'Electrochemistry: Analysis of Diffusion Coefficients and Development of Hybrid Biobattery/Supercapacitor' by Dr Krysti L. Knoche Gupta, Department of Science, Grandview University, Des Moines, Iowa. Date: 04.08.2017 2) On 'City Waste to Energy' by Dr Smarajit Roy, Chairman, City Energy Solutions (UK). Date: 13.01.2018 <p>b) Memorial Lectures:</p> <ul style="list-style-type: none"> 1) On the occasion of 129th birth anniversary of Dr H L Roy, along with other customary, activities, a lecture on 'When Will Science & Religion Shake Hands as Swami Vivekananda Prophesied' was delivered by Swami Atmapriyananadji Maharaj, Vice Chancellor, Ramkrishna Mission Vivekananda University and Dr. K. Muraleedharan, Director, CSIR-Central Glass & Ceramic Research Institute. Date:02.11.2017. 2) Prof Dilip Kumar Dutta Memorial Lecture was delivered by Dr Shaymal Poddar, former faculty of Chemical Engineering Department, University of Houston, Texas, USA. Date: 23.02.2018. 3) Prof N K Bose Memorial Lecture was delivered by Mr T.K. Sengupta, former Director (Offshore), Director (I/C) Marketing, Director (I/C) joint Venture Operations, ONGC. Date: 24.02.2018. <p>Both the lectures were delivered in the plenary session of a Seminar on 'Innovative Process Technology for Sustainable Development (IPTSD-2017)'.</p> <p>c) Workshop:</p> <p>On 'Process Safety Management'. Resource persons comprised experts from industries, such as, refineries, lubricants, grease, rubber chemicals, etc. Date: 10.11.2017.</p> <p>d) Seminar</p> <p>It was organized on the theme of 'Innovative Process Technology for Sustainable Development' jointly with CSIR – Central Glass & Ceramic Research Institute, Kolkata. Attended by an impressive number of technologists, engineers and academics, experts and authorities spoke on green technologies and sustainability at the meet. Date: 23 & 24.02.2018.</p> <p>e) National Safety Week-2018:</p> <p>The day was observed with a half-day programme. A lecture on 'Evolution of risk-based Process Safety' was delivered by Mr. Swapan Kumar Hazra, former MD, Aegis Logistics Ltd. and former Chairman, SHE Executive Committee, Indian Chemical Council. Mr. Swapan K Bandyopadhyay, Senior Advisor, Consultivo, spoke on 'Boiling Liquid Expanding Vapour Explosion'. Date: 10.03.2018</p>
<p>Coimbatore</p>	<p>a) Student Chapter Activities:</p> <p>Coimbatore Institute of Technology</p> <p>i) Seminars:</p> <ul style="list-style-type: none"> i. On 'Handling of Instruments'. Date: 26.07.2017. ii. On 'Synthesis of Paper Based Ag/AgCl reference Electrode Using Ink Jet Printing Method'. Date: 27.07.2017. iii. On 'Enhancing Thermal Stability of Ferrofluids'. Date: 10.08.2017.

	<p>ii) Workshops:</p> <ol style="list-style-type: none"> i. On 'Automation of Chemical Processes.' Mr D. Rajasekaran, Application Engineer, Axix Global Pvt Ltd., was the Resource Person. Date: 28.12.2017. ii. On 'Additive Manufacturing and 3D Printing'. Mr Daniel Arockiam, TCS, was the Resource Person. Date: 06.01.2018. iii. On 'Role of Chemical Engineers in Aerospace Research'. Dr Ganesh Paramasivam, Senior Scientist, ISRO-Mahendragiri, was the Resource Person. Date: 11.01.2018. iv. On 'Basics of Rocket Engine and its Testing'. Mr G Vignesh, Senior Scientist, ISRO-Mahendragiri. was the Resource Person. Date: 15.03.2018 <p>iii) Publication</p> <p>Synergy, a regular technical publication, was introduced.</p>
Chandigarh	<p>a) Student Chapter Activity:</p> <p>Dr. S.S. Bhatnagar UICET, Panjab University</p> <p>i) Symposium:</p> <p>On 'Global Warming: Adaptation and Mitigation'. Various departments from Panjab University as well as UPES, Dehradun; and IIM, Indore participated. Professor Emeritus, Prof. S.K. Sharma, delivered the welcome note. Date: 04.02.2018.</p>
Doaba	<p>a) Conference:</p> <p>On 'Advances in Chemical Science & Technology'. Date: 27 & 28.04.2018.</p> <p>b) Academic Course:</p> <p>GIAN: An International Course on 'Chemical Process Safety and Hazards Management, (CPSHM 2017) was conducted at NIT, Jalandhar. Date: 20-24,11.2017</p>
Guwahati	<p>a) Technical Lectures :</p> <ol style="list-style-type: none"> i) On 'Production of High Purity Hydrogen through Methanol Based Membrane Reformer' by Prof Richa Sharma, IIT, Guwahati. Date: 02.08.2017 ii) On 'New Advances in Managing Legacy Pollutants in Sediments' by Dr Upal Ghosh, University of Maryland, Baltimore County, USA. Date: 16.08.2017. iii) On 'Gateways to Research' by Dr Dipankar Bandyopadhyay, IIT, Guwahati. Date: 18.08.2017 iv) On 'Green Catalytic Conversion of Natural Gas (Methane) to Higher Hydrocarbons over Bi-functional Catalysts' by Prof K K Pant, IIT, Delhi. Date: 19.08.2017. v) On 'Bioengineering Organs and Tissues for Human Transplantation' by Prof Biman Mandal, IIT, Gawahati. Date:30.08.2017 vi) On 'Engineering at the Nanoscale: A Strategy for Developing High Performance Functional Materials' by Prof Sabu Thomas, Mahatma Gandhi University, Kerala. Date: 01.09.2017 vii) On 'Conjugated Materials and Devices for Energy, Environment and Health Care Applications' by Prof Parameswar Iyer, IIT, Guwahati. Date: 06.09.2017. viii) On 'Experimental and Mathematical Studies for Environmental Remediation and Liquid-Liquid Systems' by Dr N Selvaraju, IIT, Guwahati. Date: 08.09.2017 ix) On 'Molecular Modelling in Oil & Gas Industry' by Dr Forum Thakkar, Shell India Markets Pvt. Ltd. Date: 12.09.2017. x) On 'Introduction to Genetic Algorithm' by Prof. Deepak Sharma, IIT, Guwahati. Date: 15.09.2017 xi) On 'Ionic Liquids for Technological Applications: Extraction, Absorption and Dissolution Processes' by Prof Ramesh L. Gardas, IIT, Madras Date: 21.09.2018

	<p>xii) On 'Optical Fibre Sensor and its Engineering Applications' by Prof Sunil Khijwania, IIT, Guwahati. Date: 11.10.2017.</p> <p>xiii) On 'Challenges of Drug Discovery: Turning Ideas Into Drug Candidates for Leishmaniasis' by Prof Vikas Kumar Dubey, IIT Guwahati..Date: 13.10.2017</p> <p>xiv) On 'Hydrodynamic, Interfacial Phenomena and Energy Utilization in Multiphase Systems' by Prof Geoffrey Evans, The University of New Castle, Australia..</p> <p>xv) On 'Propane/propylene Separation: Challenges and Some Recent Developments' by Prof Sasidhar Gumna, IIT, Guwahati. Date: 25.10.2017</p> <p>xvi) On 'Knot theory and its Application to Chemistry' by Prof P.A.S. Krishna, IIT, Guwahati Date: 27.10.2017</p> <p>xvii) On 'Science Friction: A Tale of Two Surfaces' by Prof Partho S G Pattader, IIT, Guwahati . Date: 01.11.2017</p> <p>xviii) On 'Understanding Creative Design and Innovation as a Trans-discipline' by Prof P G Yammiyavar, IIT Guwahati. Date: 03.11.2017</p> <p>xix) On 'Polymeric Membrane for Water Purification' by Prof Suryasarathi Bose, IISC, Bangalore. Date: 13.11.2017</p> <p>xx) On 'Controlled Movement in Interlocked Molecular Systems as Molecular Machines' by Prof Jubaraj Bikash Baruah, IIT, Guwahati. Date: 17.11.2017.</p> <p>xxi) On 'Laboratory Safety' by Prof Sumana Dutta, IIT, Guwahati. Date: 22.11.2017</p> <p>xxii) On 'Quantification of Biological Systems: Systems Biology Approach' by Prof Kalyan Gayen, NIT Agartala. Date: 08.12.2018.</p> <p>xxi) On 'Introduction to Structural Biology' by Prof Akio Ebihara, Gifu University, Japan. Date: 13.12.2017.</p> <p>xxiv) On ' Nanocatalyst Development for Fuels from Biomass at NSF-CREST Bioenergy Center of NC A&T' by Prof Debasish Kula, North Carolina, A&T State University. Date:19.12.2017</p> <p>xxv) On 'Nanoparticle-Antibody Conjugates as High Sensitive Reagents for Mass Cytometry' by Dr Jothir Pichandi, Fluidigm Canada Inc. Date: 15.02.2018</p> <p>xxvi) On 'Emerging Wastewater Treatment Technologies' by Dr S Kanmani, Prof & Director, Centre for Environmental Studies, Anna University. Date: 22.02.2018</p> <p>xxvii) On 'Physics of Draining in the Meso-scale: Experimental and Theoretical Analysis' by Prof Gargi Das, IIT Kharagpur. Date: 03.04.2018</p> <p>xxviii) On 'Comparative Analysis of Water Purification Technologies' by Dr Jaideep Chatterjee, Hindustan Unilever. Date: 27.04.2018</p> <p>xxix) On 'Micro-physiological Models that Mimic Mucosal Barrier' by Abhinav Sharma, Research Scholar, University of Massachusetts Amherst. Date: 27.04.2018</p> <p>xxx) On 'Introduction about IGCAR and Nuclear Energy' by Dr N Sivaraman,IGCAR, Kalpakkam Date: 22.06.2018</p> <p>b) Industry-Academia Meet</p> <p>The meet was held on the theme 'State-of-the-Art Refinery Operations', in which senior executives of IOCL and faculty members from Dept. of Chemical Engineering, IIT, Guwahati took part.</p> <p>c) Annual Chemical Engineering Symposium</p> <p>REFLUX 2018 was held on the theme 'Transpiring Sustainability'. It included events, such as, lectures, workshops, oral and poster presentations, quiz competition, etc.</p> <p>d) Workshops:</p> <p>i) On 'Aspen Plus'. Date: 20.08.2017</p> <p>ii) On 'Molecular Simulation' Date:27.08.2017</p>
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	<ul style="list-style-type: none"> iii) On 'Comsol Multiphysics', Date: 03.09.2017 iv) On 'Mat Lab' Date: 10.09.2017 and 08.10.2017 v) On 'Comsol'. Date: 29.10.2017 vii) On 'Sci Lab' Date: 12.11.2017
Guntur	<p>a) Seminars:</p> <p>On 'Chemical Industry Growth and Sustainability'. Date: 23.01.2018. The following speakers made Presentations.</p> <ul style="list-style-type: none"> i) Dr V Govardhana Rao, Professor (Retd), IIT Bombay, Mumbai & Chairman, IChE GRC on 'Indian Chemical Industry-Growth Potential for Next Decade & Career Opportunities for Chemical Engineers'. ii) Dr Chandra Shekhar Sharma, Department of Chemical Engineering, IIT, Hyderabad on 'Translational Research: from Laboratory to Commercialization' iii) Dr Ch Satyanarayana, Consultant, Chief Scientist (Retired), National Chemical Laboratory, Pune on 'Energy, Environment and Biomass to Chemicals'. iv) Mr Dhawal Saxena, Honorary Registrar, IChE & Executive Asst. Managing Director, Blast Carboblocks Pvt Ltd., Mumbai on 'Industry-Institute Interaction' <p>b) Student Chapter Activities:</p> <p><i>RVR & JC College of Engineering, Guntur:</i></p> <p>Technical Lectures:</p> <ul style="list-style-type: none"> i) On 'Application of Membrane Processes for Clean Environment' by Dr S V Satyanarayana, Professor, Dept of Chemical Engineering, JNTU College of Engineering, Ananthapur. Date: 01.07.2017. ii) On 'Heat Transfer over Urea Production' by Mr K Chandu Babu, Senior Officer, HRD, Rashtriya Chemicals and Fertilizes Limited, Mumbai. Date: 31.07.2017 iii) On 'Employability Skills' by Mr K. Yeswanth Krishna, Assistant System Engineer, TCS, Shitefield, Bangalore Date: 19.08.2017. iv) On 'Opportunities for Chemical Engineers in Plant Design' by Mr J Siva Rama Krishna, Principal Scientist, Halliburton Upstream Oil & Gas Services Company, Pune. Date: 19.08.2017 v) On 'Opportunities for Chemical Engineers' by Ms N. Rasmi, Project Manager, Infosys Ltd., Pune. Date: 16.10.2017 vi) On 'Application of Technical Crystallization in Petroleum Industry and Solar Energy Storage' by Dr Venkata Subbarayudu Sistla, Asst Professor, Dept. of Chemical Engineering, Rajiv Gandhi Institute of Petroleum Technology, U.P. Date: 28.11.2017 vii) On 'Advances in Computational Fluid Dynamics of Chemical Processes' by Dr Tanmay Basak, Professor, Dept. of Chemical Engineering, IITM, Chennai. Date: 30.11.2017. viii) On 'Process Engineering Skills, Process Design and Plant Exposure' by Mr Patibandla Rajesh, Senior Process Engineer, EQUATE Petrochemical Company, Kuwait. Date: 03.01.2018 ix) On 'Opportunities for Chemical Engineers in Cement Industry' by Mr M Rama Krishan, Asst. General Manager (HR&S), The KCP Ltd, A.P. Date: 28.02.2018. x) On 'Extraction of Cotton Seed Oil' by Mr N. Renu Babu, Oil Technologist, Sri Dhanalakshmi Group of Industries (Oil Division), Guntur. Date: 06.03.2018. <p>Rajiv Gandhi University of Knowledge Technologies, Nuzvid.</p> <p>i) Lecture</p> <p>On 'Chemical Engineering in 21st Century' by Prof K Krishnaiah, Former Dean, R&D, IITM, Chennai and Academic Advisor, IIT, Tirupathi. Date: 11.11.2017.</p>

<p>Haldia</p>	<p>a) Technical Lectures :</p> <ol style="list-style-type: none"> 1) On 'Future Energy Solution with Artificial Leaf' by Dr Rabindranath Jana, Associate Professor, Dept. of Chemical Engineering, Haldia Institute of Technology, Haldia. Date: 04.09.2017. 2) On 'Ultra Low Level Detection of AS (III) by a Fluorometric Approach' by Dr Siddhartha Shankar Baxi, Asst. Professor, Dept. of Chemical Engineering, Haldia Institute of Technology, Haldia.. Date: 22.09.2017. 3) On 'Antimicrobial Peptides: A Promising Domain in Anti-tuberculosis Therapeutics' by Dr Shamba Chatterjee, Assistant Professor, Dept. of Biotechnology, Haldia Institute of Technology. Date: 02.04.2018. <p>b) Grants for R&D Projects:</p> <p>Rs. 24,270 was granted to partially fund Chemical Engineering B.Tech and M.Tech projects at Haldia Institute of Technology.</p>
<p>Hyderabad</p>	<p>a) Technical Lectures:</p> <ol style="list-style-type: none"> 1) On 'Needs and Challenges in Solid Fuel Utilization for Sustainable Future' by Dr Pisupati V Sarma,, Professor and Chair of Energy Engineering Program, The Pennsylvania State University, USA. Date: 15.12.2017. 2) On 'Critical Chain Project Management and Critical Chain Multi Project Management' by Dr A. K. Rao, Former Director, Executive Education, Indian School of Business (SB) Hyderabad. Date: 23.04.2018. <p>b) Memorial Lecture:</p> <p>11th M P Chary Memorial Lecture on 'Changing Role of Chemical Engineers in Present Context' by Mr. Ajit Rangnekar, Director General, Research and Innovation Circle of Hyderabad and Former Dean of Indian School of Business. Date: 30.05.2018.</p> <p>c) Seminars:</p> <p>On the theme 'Chemical Engineering and (S-CHET): Advancements and Associated Safety Aspects', Date: 24.01.2018.</p> <p>The following lectures were delivered during the meet.</p> <ol style="list-style-type: none"> i) On 'Role of Chemical Engineers in Controlling Greenhouse Gas Industrial Emission – Its impact on Climate Change' by Dr Y.V. Swamy, former Chief Scientist, Indian Institute of Chemical Technology (IICT). ii) On 'Random Thoughts on Changing Landscape of Chemical Engineering' by Dr D P Rao, former Professor, IIT Kanpur. iii) On 'The Design of Inherently Safer Chemical Plants' by Dr P G Rao, Hony Pro-Chancellor, University of Science and Technology, Meghalaya. iv) On 'Hazards of Static Electricity in Process Industries' by Mr. P. V. V. Rao, CEO, ESD Control Systems, Hyderabad. v) On 'Indigenizing the Materials Technologies a National Necessary' by Dr T. N. Rao, Associate Director, International Advanced Research Centre. <p>d) Student Chapter Activities:</p> <p>Jawahar Lal Nehru Technological University (JNTU), Hyderabad:</p> <ol style="list-style-type: none"> i) Workshop on 'Tech in Pharma', conducted by Dr G Narahari Sastry, Scientist and Head Molecular Modelling Group, IICT Hyderabad. Date: 15.02.2018 ii) Lecture on 'Real Time Optimization & Control in Process Industries' by Dr B Sankar Rao, Senior Manager, Schneider Electric. Date: 05.03.2018. iii) Lecture on ' Environment, Health and Safety in Pharma Sector' by Dr J V N Reddy, Senior Vice President, Aurobindo Pharma Ltd. Date: 20.03.2018.

	<p>Osmania University College of Technology (OUCT)</p> <p>i) Lecture on 'Cement Manufacture: Modern Trends & Heat Balance Concepts' by Dr I. V. Subrahmanyam, Consultant, Cement Technology and Faculty, S V University College of Engineering. Date: 23.02.2018.</p> <p>ii) Short course on 'Particle Engineering in the Pharmaceutical Industry: Crystallization and Colloidal Engineering'. Date: 05 – 09. 03. 2018.</p> <p>Anurag Group of Institutions (AGI)</p> <p>i) Technical Fest, 'RASAYANIKA 2K17', was held on 'Sustainable Solutions Towards a Greener Economy'. Date:15 & 16.09.2017.</p> <p>ii) Lecture on 'Solar Energy Cells and Advanced Solar Energy Materials' by Dr Murali Banavoth, Assistant Professor, Dept. of Chemical Sciences, University of Hyderabad. Date: 19.08.2017.</p> <p>iii) On 'Sustainable Solutions for the Management of Wastes' by Mr. Milind Murumkar, Advisor-Alternative Fuels and Raw Materials (AFR), VICAT India Group. Date: 15.07.2017.</p> <p>e) Lectures :</p> <p>i) On 'Petroleum Industry: Emerging Trends and Opportunities for Engineers' by Dr Keshav Rao V, former Senior Vice President, Oil and Gas Business, Reliance Natural Resources Ltd. Date: 16.02.2018.</p> <p>ii) On 'Promoting Industrial Development & Social Welfare Through Innovative Membrane Technology' by Dr S Sridhar, Principal Scientist, CSIR-Indian Institute of Chemical Technology, Hyderabad. Date: 22.02.2018.</p> <p>iii) On 'Applications of Theory to Process Industries' by Sri G Vijay Kumar, Head of Process Engineering Group, Hyderabad. Date: 23.02.2018</p>
Jaipur	<p>a) Lecture:</p> <p>On 'How Do We Build Process Plants – Concept to Commissioning' by Mr. Gautam Chakraborty, Vice President, Reliance Industries Ltd. Date: 20.01.2018.</p>
Kharagpur	<p>a) Technical Lectures/Talks:</p> <p>1) On 'Flexible and Printed Rechargeable Batteries' by Prof Subhasish Basu Majumdar, Materials Science Centre, IIT Kharagpur. Date: 16.10.2017</p> <p>2) On 'Scope of Research in Nuclear Industries for Chemical Engineering Faculties/ Students' by Dr Diptendu Das, Dept. of Atomic Energy, IIT Kharagpur Date: 17.11.2017.</p> <p>3) On 'Multiphase Flow Models for Processes Innovation: Challenges and Opportunities' by Mr K Nandakumar, Gordon A and Mary Cain Endowed Chair Professor, Louisiana State University, USA. Date: 29.12.2017</p> <p>4) On 'Hydrocarbon Processing and Role of Process Engineer & Process Engineering' by Mr Samir Maiti, Process Engineering Executive Chevron Oil & Gas, China. Date: 14.02.2018</p> <p>5) On 'Modeling Performance & Degradation of Lead-acid Batteries' by Prof K.S. Gandhi (Retired), Department of Chemical Engineering, IISc, Bangalore. Date: 15.05.2018</p> <p>b) Memorial Lecture:</p> <p>Prof M N Rao Memorial Lecture On 'To Yield or Not to Yield: Convection in Visco-Plastic Fluids' by Prof R P Chhabra, Department of Chemical Engineering, IIT, Kanpur. Date: 25.10.2017.</p>
Kochi	<p>a) Technical Lecture:</p> <p>1) On 'Plastic Waste Management – Changing Scenario In Kerala' by Mr. Kabeer B Haroon, Managing Director, Clean Kerala Company Ltd. Date: 22.09.2017</p>

	<p>b) Seminars</p> <ol style="list-style-type: none"> 1) On safety aspects of an LNG pipeline project at Calicut. Date: 06.12.2017. 2) On 'Green Environment & Environment Sustainability'. In the meet, Mr. Suresh Kumar, Chairman, Kochi RC spoke on 'Industrial Pollution and Mitigation Techniques'. Date: 18 & 19. 01.2018.
Lucknow	<p>a) Workshops:</p> <ol style="list-style-type: none"> 1) On 'Renewable Energy and Environment (REE-2018)'. Date: 27.02.2018. 2) On 'Advances in Chemical Engineering and Technology'. Date: 23 & 24.03.2018,
Lote-Parasuram	<p>a) Seminar :</p> <p>The event, titled 'Flow' was organized at national level. Date: 07.10.2017</p>
Mangalore	<p>a) Student Chapter Activities</p> <p><i>National Institute of Technology, Surathkal</i></p> <ol style="list-style-type: none"> i) Technical Lecture: Dr. Raviraj C, Himalaya Drug Company, delivered the lecture. Date: 03.02.2018 ii) On a) 'Technological Challenges in Making Biopharmaceuticals' and b) 'Recombinant Biopharmaceuticals: From Choosing the Best Clones to Managing Product Quality' by Dr Mugdha Gadgil, NCL Pune. Date: 10.04.2018 <p><i>Manipal Institute of Technology, Mahe</i></p> <ol style="list-style-type: none"> i) A Symposium, titled CHEMIGNITE 2k17, was organized. The theme was 'New Frontiers in Chemical Engineering'. Date:20.10.2017 ii) Workshop on 'ASPEN PLUS' was organized. Date: 24 & 25.03. 2018
Mumbai	<p>a) Technical Lectures:</p> <ol style="list-style-type: none"> i) On 'Overview of Plate Heat Exchanger' by Mr Amit Patil, Sr Manager, EPC, Kelvion India Pvt Ltd., Date: 18.11.2017. ii) On 'Introduction to Typical Oil & Gas Facilities' by Mr Yatish Gujarathi, Process Engineers, Head of Process Engineering at Petrofac Engineering India Ltd, Powai. Date: 21.04.2018 iii) On 'Crude Oil Outlook' by Mr Rakesh Mehra, CEO and Director of Renish Petrochem. Date: 23.06.2018. <p>b) Seminar :</p> <p>On 'Chemicals from Indigenous Coal: Opportunities and Challenges'. Date: 24.02.2018.</p> <p>c) Workshop :</p> <p>On 'Environmental Sustainability through Life Cycle Approaches'. Date: 08 & 09.02.2018.</p> <p>d) Student Chapter Activities</p> <p><i>MGM CET, Navi Mumbai</i></p> <ol style="list-style-type: none"> i) A Seminar, titled, 'Wave', was organized. Date: 17.03.2018.
Nagpur	<p>a) Student Chapter Activity</p> <p><i>Visvesvaraya National Institute of Technology, Nagpur</i></p> <p>CHEMIX-17, a national conference highlighting inter-disciplinary research in the field of Chemical Engineering, was organized. Date: 07 & 08. 04.2018.</p>
Northern	<p>a) Technical Lectures</p> <p>The following lectures were held under Learning with the Leaders Series:</p>

	<p>i) Under the theme 'Application of Codes and Standards in Chemical Process Industry', 3 lectures were delivered. Date: 15.07.2017:</p> <p>a). On 'Regional Codes Application for Chemical Industry' by Mr Prasanna Velpula, Honeywell UOP.</p> <p>b) On 'Design' by Mr Raj Kumar, Lloyd's Register Asia.</p> <p>c) On 'Inspection & Testing' by Mr Puran Pathak, Lloyd's Register Asia.</p> <p>ii) Under the theme 'A Perspective on Refining', the following 3 lectures were delivered. Date: 18.08.2017:</p> <p>a) On 'CB & IFCC Technology' by Mr Anil Thakur, Process Engineering Manager, Lummus.</p> <p>b) Refinery Residue Upgrading – A Techno-Economic Comparison by Rajiv Narang, Director, Process Economics Program, and, Mr. Gajendra Kumar, Associate Director, PEP, HIS Markit.</p> <p>c) On 'Configuration and Connected Performance Services (Optimization from Concept to Plant Performance)' by Mr Pankaj Srivastava, Honeywell UOP.</p> <p>iii) Under the theme 'Commissioning of Chemical Plants', the following 2 lectures were delivered: Date: 09.09.2017</p> <p>a) On 'Commissioning of Chemical Plants – Challenges to Chemical Engineers' by Mr C P Srivastava, Ex MD & CEO, Jordan India Fertilizer Co.LLC (JIFCO).</p> <p>b) On 'Commissioning of Chemical Plants – Chemical Engineer's Perspective' by Mr Abhijit Bikas Pal, Honorary Secretary, Northern RC.</p> <p>b) Foundation Day</p> <p>The Foundation Day of Northern RC was celebrated. On the occasion, Prof R K Khandal, President – R&D and Business Development, India Glycols Ltd. presented a paper on 'Sustainability of Indian Chemical Industry – Role of Institutions of Engineers'. Merit-cum-means scholarships were awarded to 20 students from several engineering institutes and universities. Date: 16.12.2017.</p> <p>c) Seminars:</p> <p>on 'Industrial Internet of Things (IIoT) / Industry 4.0 – A Disruptive Change'. Date: 20.03.2018</p> <p>The following speakers enlightened the participants.</p> <p>i) On 'Process Automation Industry – Optimizing Process on Real Time' by Mr Kishen Manjunath & Mr Jaideep Bhattacharya, Honeywell Technology Solution/Honeywell Process Solution.</p> <p>ii) On 'Unleashing Power of Digitization in Chemical Plant Operations – Predictive Maintenance and Energy Management' by Ms Khusbhu Chaplot Chaudhary, Emerson.</p> <p>iii) On 'Industry 4.0 Digitalizing the Process Plant – A Life Cycle Approach' by Mr Sachin Kulkarni, Siemens</p> <p>iv) On 'Predictive Analytics – How it Affects Plant Architecture' by Mr Vinod Oommen Ninan & Mr Ravindra Gurav, Rolta India</p> <p>vi) On 'Transforming Business Decision Making with Unified Supply Chain Management' by Ms Shani Mulholl and Mr Satyendra Dubey, Schneider Electric.</p> <p>vii) On 'Augmented Intelligence -Towards Plant Operational Excellence' by Mr Harsh Kumar, IBM India.</p> <p>d) Workshop:</p> <p>The annual workshop was held in association with Lovraj Kumar Memorial Trust. Date: 13 & 14.10.2017. The following lectures were delivered :</p>
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	<ul style="list-style-type: none"> i) 'Petrochemicals Demand Supply Scenario in India with special focus on Derivatives and Niche Products' by Ms Rekha Misra, IDS. ii) 'PVC Value Chain' by Mr Manu S Miglani, Engineers India Ltd. iii) 'Separation Technologies for Petrochemicals and Value Added Products from Refinery Process Streams' by Dr (Mrs) Anshu Nanoti, CSIR-IIP. iv) 'Maximizing Refinery Margins by Petrochemical Integration' by Mr Rajeev Singh, KBR. v) 'Recovery & Monetization of Lean Ethylene from FCC Off Gas' by Ms Manisha Bhargava, Indian Oil Corpn Ltd. vi) 'EO/EG Technologies' by Mr Bharat Goenka, Shell. vii) 'Steam Cracker Design and Operating Considerations to Enhance Feed Flexibility' by Mr Srikanta Ghosh, CB&I. viii) 'iPEP Syngas Module' by Mr Rajiv Narang, I H S Markit. ix) 'Cumene/Phenol Technologies' by Mr Pulkit Agarwal, Honeywell UOP x) 'Outlook and Technology Overview for BisphenolA/ Polycarbonates' by Dr S Sivakumar, SABIC. xi) 'Ethanol and Ethers Derivatives in the Gasoline Pool' & 'High Value Niche Products: Octenes from Refining C4's for Plasticizers Industry, Butene and Hexane Alpha Olefins for Polyethylenes' by Mr Xavier Liege, Axens India. xii) 'Recovery of Ethylene and Production of Ethyl Benzene from FCC Off-gas' by Mr Rakesh Kumar, CB & I. xiii) 'Special Address on Petrochemicals' by Dr Sreenivasa Rao, SABIC. xiv) 'Derivatives of Styrene (Polystyrene, Expandable Polystyrene and other Derivatives)' by Mr K V Mujumdar & Mr Shanatanu Gite, Supreme Petrochem Ltd. xv) 'Acetic Acid through Coal Gasification & Acrylic Acid – A Technology Perspective' by Dr. Siddhartha Mukherjee, Air Liquide. xvi) 'Methanol Economy' by Ms Vartika Shukla, Engineers India Ltd. xvii) 'Developments in the Catalysts, Especially with Respect to Polyolefin Catalysis' by Dr Gurmeet Singh, Indian Oil Corpn Ltd., R&D. <p>e) Loveraj Kumar Memorial Trust Lecture: The annual lecture was delivered on 'Accelerating Manufacturing – Impediments & Strengths' by Mr R C Bhargava, Chairman, Maruti Suzuki India Ltd., Date: 13.11.2017</p>
Pune	<p>a) Technical Lecture:</p> <ul style="list-style-type: none"> i) On 'Safety in Chemical Handling' by Mr Sanjay Nirgudkar, Safety Trainer Specialist, Institute for Sustainable Communities, India as part of Safety Week observation. Date: 06.03.2018. <p>b) Student Chapter Activities MIT Academy of Engineering AOE, Pune</p> <p>i) Lectures:</p> <ul style="list-style-type: none"> i) On 'Piping Design & Engineering' by Mr Ramesh Ukidve, Senior Piping Consultant. Date: 19.09.2017. ii) On 'Conveyors and its Design' by Mr Adesh Deshmukh, Thyssenkrupp, Pune. Date: 21.11.2017. iii) On 'Opportunities in Design Engineering' by Mr Deepak Vyawahare, Inventive Engineering & Technology, Pune. Date: 09.04.2018.
Rourkela	<p>a) Invited Lectures:</p> <ul style="list-style-type: none"> 1) On 'Chemical Engineers for Better Environment' by Dr Sukumar, Former Director of NEERI, Nagpur. Date: 27.03.2018

	2) On 'Solid Waste Management: Fluidized Bed Gasification by Prof (Mrs) A Sahoo. Date:08.05.2018
Trivandrum	<p>a) Technical Lectures:</p> <ol style="list-style-type: none"> 1) On 'Role of Chemical Engineering in Space Applications' by Mr. Sathis Kumar P S, Vikram Sarabhai Space Centre. Date: 06.11.2017. 2) On 'Transdisciplinary Approaches to Traditional Electrochemistry' by Mr. Ramaraja P Ramasamy, School of Chemical Materials and Biomedical Engineering, The University of Georgia, USA. Date: 07.12.2017. 3) On 'Effect of AP Preparation Processes on Solid Propellant Characteristics by Dr V M Lakshmi, DGM, Vikram Sarabhai Space Centre. Date: 07.12.2017. 6) On 'Water – The Magic Solvent for Clean Fuel Gas Production' by Dr N Siva Mohan Reddy, Asst Professor, Dept of Chemical Engineering, IIT, Roorkee. Date: 05.03.2018. 7) On 'Environmental Audit and Management Systems' by Mr. Venugopal S, DGM, GLL Life Care Limited. Date: 02.05.2018. 8) On 'Factors of Development – Raw Materials, Manpower, Technology and Decision-making' by Mr. M C Dathan, Scientific Adviser to CM of Kerala State. Date: 11.05.2018. 9) On 'HTPB Binder – Versatile Resin for Solid Propellant Application' by Prof Alwan S, MCET, Trivandrum. Date: 11.05.2018. <p>b) Student Chapter Activities</p> <p>Mohandas College of Engineering & Technology, Trivandrum Conference & Workshop : 'TECHSYNOD-'17' – conference and workshop – was organized in association with Trivandrum RC. Date: 19 – 21.12.2017.</p>

6.0 Council Meeting Highlights

The Council had the following meetings between 1 April 2017 and 31 March 2018.

6.1 3rd meeting for 2017, held at Training School Hostel, BARC, Anushaktinagar, Trombay, Mumbai on 6 May 2017

Administrative

R&D Vision

Members were appraised of the salient features of the 'R&D Vision and Strategy of IChE' as submitted by Prof B P Mandal, Convener of the R&D Committee.

The Council deliberated and approved a sum of Rs 5.0 lakh for 2017 and requested the R&D Committee to take appropriate action for finalizing and monitoring the research projects to be carried out on behalf of IChE following the guidelines stated in the R&D vision document.

Financial

GST: The Honorary Secretary reported that as advised by the CA of the IChE Headquarters, GST registration would

have to be state-wise, i.e., one GST number for one state. Hence, there is no provision for Centralized registration of GST. Moreover, in case of more than one Regional Centre in a state, one Regional Centre would have to take responsibility for other centres in the concerned state.

Council Members, in principle, approved the decision of migration from Service Tax to GST. For Centralized Registration of GST and other necessary formalities, Honorary Treasurer informed the Council that he would consult with other lawyers.

Closure of Bank Accounts of CHEMCON and SCHEMCON: Due to stringencies of Income Tax Rules, the Council decided that henceforth Bank Accounts of CHEMCON and SCHEMCON would be closed after the congress and a closure certificate from banks would have to be forwarded to the Headquarters for submission to Income Tax Authority at appropriate time.

Student Chapter Affairs

New Students Chapters: The Council approved the formation of Students' Chapters at the Department of Biotechnology & Biochemical Engineering in Sree Chithra Thirunal College

of Engineering, Pappanamcode, Thiruvananthapuram, Kerala under the aegis of Trivandrum Regional Centre, IICChE.

Fellowship

The Council elected Dr Ajay N Deshpande, Engineers India Limited, as Fellow of the Institute, considering the recommendations received from the Fellowship Committee.

Organisational Membership

The Council approved admission of (i) Amal Jyothi College of Engineering, Koovapally, Kerala, as Annual Organisational

Member (2017) and (ii). Oster Chemical & Pharmaceutical Works Pvt Ltd., Kolkata and (iii) National Institute of Technology, Tiruchirappalli as Life Organisational Members of IICChE .

Examination

AMIICChE Results:

Out of a total of 36 candidates, who appeared in September 2016 Home Paper Examination, the following 31 came out successfully.

Sl. No.	Name	Roll No.	Sl. No.	Name	Roll No.
1	Selvaraj C	99/M4/72	17	Dinesh Kumar	11/M11/34
2	Kisalay Kumar	00/S3/571	18	Shashi Kant Tiwary	11/M11/100
3	Naresh Kumar P	01/S3/273	19	Suresh Kumar Paswan	11/M11/101
4	Kamal Pandey	05/M5/41	20	K Rathinam	11/M11/141
5	Krishna Kumar Das	05/M5/119	21	Rahul Kumar	11/M11/260
6	Pramir Mallik	06/M6/70	22	Amit Jauhari	11/S11/486
7	Panchal Nilesh Ramanlal	07/M7/198	23	Uttam Kumar Giri	12/M12/45
8	Hirdai Krishna	08/M8/37	24	Amit Kumar Srivastava	12/M12/145
9	Vinay Virat Arora	08/M8/72	25	Naresh Ramchandra Ghate	12/M12/182
10	Santosh Tiwari	08/M8/127	26	Chandan Kumar	12/M12/218
11	Prakash Pilla	08/S8/314	27	Nandiwdekar Rupali R	12/S12/345
12	Lalit Kumar Gautam	09/M9/70	28	Mankeshwar Gupta	13/M13/144
13	Ashok Kumar Shukla	09/S9/435	29	Pawar Rajendra Sambhaji	14/M14/31
14	Vikas Saxena	09/S9/522	30	Sachin	14/M14/90
15	Narwani Ashok Mohandas	10/M10/147	31	Prahlad Kumar Chandan	14/M14/196
16	Sankar Prasad De	10/S10/350			

6.2 4th meeting for 2017, held at GNFC Guest House, Bharuch on July 15, 2017

CHEMCON 2017

It was decided that the organizers of the CHEMCON would henceforth be requested to take prior approval (with necessary documents) from the Honorary Treasurer of the Institute Headquarters for placing order to any party(ies) for an amount exceeding Rs. 1.0 lakh and for making payment to party(ies) for an amount exceeding Rs. 50,000/-.

Fellowship

Following consideration of recommendations from the

members of the Fellowship Committee, the Council elected Mr P R Mohanty, Dr Debashis Raha and Dr K K Pant as the Fellow of the Institute.

Organisational Membership

The Council approved admission HBTU, Kanpur as Life Organisational Members of IICChE .

Regional Centre Affairs

Revival of Waltair Regional Centre: The Council decided revocation of suspension order (issued in September 2015) on Waltair Regional Centre following successful conduct of Annual General Meeting of the RC for 2016-2017.

Student Chapter Affairs

New Students Chapters: The Council approved the formation of Students' Chapter at the Department of Chemical Engineering, National Institute Of Technology, Tadepalligudem, Andhra Pradesh. under Guntur Regional Centre.

National Seminar

Honorary Secretary reported about a National Seminar on 'Project Management – Objectives & Challenges', hosted by the IChE Headquarters in Kolkata on 7 and 8 July 2017. The response to the seminar was highly positive and many participating organizations expressed their keen interest to join IChE as Organizational Member. Nearly 140 delegates were present at the 2-day meet. Some of the delegates suggested conducting similar programmes by IChE more regularly in future.

6.3 5th meeting for 2017, held at NIT, Rourkela on October 7, 2017

Internship Scheme

The Engineering Council of India (ECI) in association with its member associations and authorized by All India Council for Technical Education (AICTE) has launched a major initiative for training engineering students to make the latter industry-compatible.

The Council, in principle, decided to organise programmes related to the 'Internship Scheme' for the engineering students to enhance their employability. The referred programmes would be hosted by the interested Regional Centre(s) at any suitable place in coordination with the AICTE/ECI.

Fellowship

The Council elected Mr. B. Chattopadhyay (Chief Executive Officer, IVL Dhunseri Petrochem Industries Ltd.) and Mr. Subhasendu Chatterjee (Whole Time Director, Haldia Petrochemicals Ltd.) as Fellow of the Institute, considering the recommendations received from the Fellowship Committee.

Organisational Membeship

The Council approved admission of the following Organisational Members:

- i. Indian Institute of Technology-Guwahati

- ii. Shroff S R Rotary Institute of Chemical Technology-Bharuch
- iii. Haldia Institute of Technology-Haldia
- iv. KLE Dr M S Sheshgiri College of Engineering & Technology-Belagavi.
- v. Haldia Petrochemicals Limited - Haldia

Industrial Training & Six Sigma Course

Based on the appraisal of Prof. M S Rao and Mr. Dhawal Saxena, the respective Chairman and Convenor of the Industry Institute Interaction Committee, during the previous Council Meeting, the Council, in principle, approved the programmes of industrial training for Graduate Chemical Engineers and six-sigma training courses, to be introduced by certain Regional Centres with a view to facilitating employability of Graduate Chemical Engineers. These programmes would also facilitate generation of funds for IChE, the Council Members pointed out.

Following discussion, the Council insisted on a thorough discussion about the modalities among the committee members before implementation of the programmes. As suggested by Prof. Rao and Mr. Saxena, the members also decided on conducting Safety Courses for benefit of the professionals.

Student Chapter Affairs

New Students' Chapters: The Council approved in principle formation of the Students' Chapters in the following institute, subject to fulfillment of the criteria, laid down in the By-laws:

- (i). Kalasalingam University, Krishnankoil, under Coimbatore Regional Centre.

6.4 6th meeting for 2017 held at Haldia Institute of Technology, Haldia on December 26 and 27, 2017

Constitutional By-law Amendment

The Council approved the following amendment to clause no. 8.2 of Bye-laws of Regional Centre.

The Vice-chairman, Honorary Regional Secretary, Honorary Joint Regional Secretary, Honorary Regional Treasurer and all the Executive Committee Members shall have to hold the office for two years to become eligible for re-election to the Executive Committee.

Before the amendment, the office bearers had to hold office for one year to become eligible for re-election.

Awards

- i. The Council decided that henceforth no awardee would be given more than one prize for one paper.
- ii. The Council was informed by Hony. Secretary that as per Prof. G.D. Yadav's request, Shri Rajjubhai Shroff, Chairman, UPL had agreed to donate an additional amount of Rs. 8.0 Lakh towards endowment of UPL Chemcon Distinguished Speaker Award. In the process, he had also suggested to rename the referred award as UPL Smt. Sandra R Shroff Chemcon Distinguished Speaker Award. Accordingly, the total endowment value for the award would come to Rs10.0 Lakh with effect from 2018, it was pointed out.

The Council put on record its deep appreciation for the kind gesture extended by Shri Rajjubhai Shroff, and also the efforts made by Prof. Yadav in enhancing the endowment.

- iii. With accrual of interest from endowments of the awards, namely, 1. Mrs Chinnamaul Memorial Prize; 2. Kuloor Memorial Award; 3. K K Das Memorial Prize; and, 4. Sisir Kumar Mitra Memorial Award, declining significantly over the years, the Council decided to issue only Certificates to the awardees of these awards and not

any award money. The Council also decided to request the donors for enhancement of the Award Fund.

Fellowship

The Council elected Prof. S J Mishra (Director, North Maharashtra University, Jalgaon) and Mr B S Girda (President, Orient Paper Mills) as Fellow of the Institute, considering the recommendations received from the Fellowship Committee.

Organisational Membership

The Council approved admission of (i.) Indian Institute of Technology, Kharagpur; (ii) RVR &JC College of Engineering (Autonomous), Guntur; iii. Annamalai University; and (iv) IIT Nuzvid, AP as Life Organisational Members of IICChE .

Student Chapter Affairs

New Student Chapters: The Council approved in principle formation of the Students' Chapters in the following institute, subject to fulfillment of the laid down criteria in the By-laws:

- (i). Saintgits College of Engineering, Kottayam, Kerala.
- (ii). Galgotias University, Noida, Uttar Pradesh.
- (iii). SVS College of Engineering, Coimbatore, Tamil Nadu.

AMIICChE Results

Out of a total of 35 candidates, who appeared in March 2017 Home Paper Examination, the following 28 came out successfully.

Sl. No.	Name	Roll No.	Sl. No.	Name	Roll No.
1	Sanika Suhas Kamble	03/S3/247	15	Ambika Pandey	11/M11/201
2	Mitesh Amrutlal Patel	04/M4/67	16	Kamal Gautam	11/M11/232
3	Vijay Kumar Ojha	07/M7/7	17	Subhasis Basu	11/S11/451
4	Ardhendu Samanta	07/M7/73	18	Ashok Kumar Singh	12/M12/119
5	Bhogendra Kumar Kamal	07/M7/208	19	Anirudh Kumar Pandey	12/M12/252
6	Rajpal	07/S7/242	20	Ketanbhai N Hirpara	13/M13/124
7	Jayminkumar D Patel	07/S7/289	21	Sushil Mohan Tiwari	13/M13/173
8	Anup Kumar Sasmal	08/S8/367	22	Renold Reegan J	13/M13/177
9	Krishna Kumar Pandey	09/M9/236	23	Gagan Kumar Chaurasiya	13/S13/377
10	Ansuman Mishra	09/S9/421	24	Pradip Bhunia	13/S13/463
11	Pawan Kumar	10/M10/64	25	Kondapalli Appala Raju	14/M14/4
12	Narendra Yadav	10/M10/127	26	Manoj Kumar	14/M14/134
13	Tapas Mondal	10/M10/163	27	Sukesh Kumar	14/M14/224
14	Sarvesh Kumar	11/M11/183	28	Nanda Kumar Mistri	14/M14/249

6.5 1st meeting for 2018, held at Haldia Institute of Technology, Haldia, on December 29, 2017

Election of the President

The members elected Prof. Vinay K Srivastava as the President of the Institute for the year 2018.

Election of two Vice-Presidents

Prof S P Chaurasia and Dr Ajay Bansal were elected as the Vice-Presidents of the Institute for the year 2018.

Election of Other Office Bearers

For the year 2018, the members elected Prof S K Das as the Honorary Secretary of the Institute. Mr M Ranga Rao as the Honorary Jt Secretary; Prof M S Rao as the Honorary Treasurer; Mr Dhawal Saxena as the Honorary Registrar; and Dr M Rajasimman as the Honorary Controller of Examinations, were elected by the members.

In accordance with the provision under clause 25.4 (b) of the Constitution and decision of the Council in its fourth Meeting for 2015, held on 11 July 2015, Prof. S Basu was appointed as Honorary Editor of the Institute for a period of 5 years with effect on and from 1st January 2018. He would be an ex-officio Member to the Council of the Institute for the year 2018.

Vision for the Future

Prof P De, the outgoing President of the Institute, briefed the members about certain initiatives that the Council had undertaken in the recent past. Significant issues that he urged the new Council (2018) to pursue in the coming year are as follows:

- * Certification of 'Competent Chemical Engineer':
- * Six-sigma Training: Program that should be started as soon as possible; initially at the major Regional Centres.
- * FICCI-IChE initiative: Once the proposal, submitted to the Ministry, gets approved, IChE has to start working in the desired direction immediately. Council would have to decide on the modalities beforehand.
- * The Council would have to work diligently to develop and strengthen IChE's relationship with AICTE.
- * UPSC: The communication, already initiated with UPSC to include Chemical Engineering as a subject for IES examination as well as for recruitment in other Central Government. Organizations, has to be followed up for positive result.
- * Professional Events: The Council would have to consider

organizing one or two programmes, i.e., seminars, conferences, etc. at Headquarters and also at other Regional Centres in order to enhance visibility of the Institute and generate revenues.

- * Renovation of Headquarters Building: Dr. H L Roy Building, where the Headquarter is based, is in a bad shape. Renovation work is in progress, which involves huge expenditure. In this connection, requests have been made to Ankleshwar, Hyderabad, Mumbai and Northern Regional Centres for donating Rs. 5.00 lakh each to carry out the repairing work.
- * Digitization of the office work: The process is already underway and it has to be completed at the earliest opportunity. This would not only help reduce expenditure but would also increase the overall efficiency of the office.
- * Organizational Members: Council would have to pay due attention to bring in more organizations under the umbrella of the Institute as 'Organizational Member'. During 2017, altogether 12 Organizational Members were enrolled.
- * AMIICChE Examination: Overhauling of the whole examination process, including curriculum and syllabi, conforming to the requirement of AICTE, has already been started. The process needs to be completed at the earliest.
- * R&D Drive: Emphasis should be given on a concerted campaign for development of a low-carbon sustainable economy through research and development, keeping in view IChE's R&D Vision 2030, which was adopted in 2017 itself.
- * R&D Directory: A Directory of Research Projects, underway in different organizations, related to Chemical Engineering and allied subjects, would have to be prepared and uploaded on the IChE website.
- * A Directory of students graduating as Chemical Engineers from various colleges in India would have to be prepared.
- * Partnerships: IChE would have to forge partnerships (MoU) with organizations, such as, CII, OTAI, etc.

6.6 2nd Meeting for 2018 held at IChE Headquarters, Kolkata on March 10, 2018

New Committees

The Council constituted the 13 (Thirteen) Standing Committees and 5 (five) Other Committees

COMMITTEE MEMBERS FOR 2018

Standing Committee		
01.	Admission Committee	Mr Dhawal Saxena (Convener) Prof P De (Chairman) Prof K B Radhakrishnan Prof S P Chaurasia Prof M K Jha Dr Shishir Sinha Prof K K Pant
02.	Publication Committee	Prof Suddhasatwa Basu (Convener) Mr Shyam Bang (Chairman) Dr M K Ghosh Prof Bishnupada Mondal Prof Anil Verma Mr Abhijit B Pal Prof V V Basava Rao Prof S C Naik - Invitee
03.	Education & Examination Committee	Dr M Rajasimman (Convener) Prof C Karthikeyan (Chairman) Prof M V Rao Dr S K Gupta Dr G S Nirmala Prof K B Radhakrishnan Dr Gaurav Rattan
04.	Finance Committee	Prof M S Rao (Convener) Prof Vinay K Srivastava (Chairman) Prof P De Prof S K Das Mr S I Thakar
05.	Regional Centre Affairs Committee	Prof S P Chaurasia (Convener) Prof V K Srivastava (Chairman) Mr S S Pokale Dr S K Gupta Prof S V Satyanarayana Prof C Kartikeyan Prof V V Basava Rao
06.	Awards/Judges Committee	Prof S K Das (Convener) Prof Vinay K Srivastava (Chairman) Mr Shyam Bang Mr D P Misra Prof P De Prof K S Gandhi Prof S P Chaurasia

07.	Building Committee	Prof S K Das (Convener) Prof B K Dutta (Chairman) Prof P De Mr P R Dutta Ray Prof N Balasubramanian Mr M Ranga Rao Prof Radha Das
08.	Research & Development Committee	Prof B P Mondal (Convener) Dr Chiranjeep Bhattacharjee (Chairman) Prof V V Basava Rao Prof M Srinivasa Rao Prof B C Meikap Prof Ajay Bansal Dr S K Gupta
09.	International Relations Committee	Dr S K Gupta (Convener) Prof S P Chaurasia (Chairman) Prof Ajay K Dalai Prof Ranil Wickramasinghe Dr Shishir Sinha Prof B P Mandal Prof S C Naik
10.	Library, Documentation and Website Committee	Prof A Bandyopadhyay (Convener) Mr Dipak Dutta (Chairman) Prof Asim K De Mr M Ranja Rao Prof M S Rao Dr M Rajasimman
11.	Student Chapter Affairs Committee	Dr Ajay Bansal (Convener) Prof M K Jha (Chairman) Dr Gaurav Rattan Dr Renu Gupta Dr Poonam Gera Dr Sangeeta Garg Dr S Bajpai
12.	Honorary Fellowship Committee	Prof S K Das (Convener) Prof Vinay K Srivastava (Chairman) Prof B K Dutta Prof G D Yadav Prof A K Mitra Prof P De Mr Shyam Bang
13.	Chemcon Distinguished Speaker	Prof S K Das (Convener) Prof Vinay K Srivastava (Chairman)

		<p>Prof G D Yadav Prof M K Jha Prof Ajay Bansal Prof S P Chaurasia Representative of concerned Donor company Other Committees</p>
14.	Legal Committee	<p>Prof S K Das (Convener) Prof P De (Chairman) Mr P R Dutta Ray Mr Shyam Bang Prof K B Radhakrishnan Mr M Ranga Rao Prof A Bandyopadhyay</p>
15.	Chemical Process Safety Group	<p>Dr T L Prasad (Convener) Prof K S Rajanandam (Chairman) Mr Joy M Shah Mr S S Pokale Mr Vijay Bhujle Dr K Balakrishna Prabhu Prof S C Naik</p>
16.	Headquarters Office Administrative Committee	<p>Prof S K Das (Convener) Prof Vinay K Srivastava (Chairman) Prof B N Srimani Mr P R Datta Ray Mr Smarajit Das Mr M Ranga Rao Prof A Bandyopadhyay Prof M S Rao</p>
17.	Chemcon Protocol Committee	<p>Prof R Shyam Sundar (Convener) Prof S P Chaurasia (Chairman) Prof S C Naik Prof K S Rajanandam Prof V V Basava Rao Mr C P Ramulu Prof M S Rao</p>
18.	Industry Institute Interaction Committee	<p>Mr Dhawal Saxena (Convener) Prof R Shyam Sunder (Chairman) Mr E Esakki Ramkumar Mr B B Mohanty Dr Gaurav Rattan Mr S A Luthra Mr S I Thakar</p>

Administrative

Account Maintenance: For the purpose of filing income tax returns, it was decided that Regional Centres would be required to provide monthly income / expenditure statements to the Headquarters, supported by bills and vouchers. However, in this connection, the Council considered the difficulties, to be faced by the Regional Centres, in providing the same due to absence of a dedicated account assistant at most of the Regional Centres. Subsequently, the Council decided that each RC should provide the supporting bills and vouchers annually in-time.

It was also decided that Regional Centres would be required to send copies of their documents of all properties, such as, buildings/ land / FDs, etc., to the Headquarters.

GST: Council noted that the Headquarters and Regional Centres, such as, Northern RC and Mumbai RC, have got GST registration for transactions within their respective states. While suggesting the Headquarters to further study the actual scenario, the Council also recommended that state-wise GSTs should be done by other leading Regional Centres so that all the major Regional Centres come under the ambit of GST within their respective states.

Award

Institution of New Awards: The Council approved institution of two new awards from 2018.

- i. **P K Nair Memorial Award** (Biennial): Criterion for the Award will be 'Excellence in Design/ Development of Process Plant / Equipment in a continuous Chemical Process unit by a Chemical Engineer'. Age limit for the candidate will be below 45 years. The awardee will be given Rs. 25,000/-, a memento and a certificate.

The award has been instituted by Dr Madhu Nair in memory of his father late P Karunakaran Nair.

- ii. **Prof. Shyamal Kanti Sanyal Memorial Award for the Best PhD Thesis in the Area of Membranes Research with Significant Commercial Potential:**

A sum of Rs. 4 lakhs was donated in the memory of the Late Prof. Shyamal Kanti Sanyal by Mrs Indrani Sanyal, Former Professor of Philosophy, Jadavpur University, Kolkata and widow of the Late Prof. Sanyal, for an annual Award. The award value will be Rs. 15,000/-. A memento and a certificate will also be presented.

Student Chapter Affairs

Student Chapters: The Council approved in principle formation of the following Students' Chapter subject to fulfillment of the laid down criteria in the By-laws:

St Peter's College of Engineering and Technology, Chennai and Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College, Chennai.

7.0 Institute's Representatives on Various Bodies

1) Bureau of Indian Standards

- a. Chemical Engineering Plants & Related Equipment Sectional Committee
Principal Nominee - Mr G V Sethuraman
Alternate Nominee – Mr Dhawal Saxena
- b. Chemical Division Council
Principal Nominee - Prof S K Sharma
Alternate Nominee - Dr S Mukherjee
- c. Personal Protection Equipment for Law and Order Agencies Sub-committee
Principal Nominee – Mr Ajay Kumar Kakkanattu
Alternate Nominee – Mr Umesh Goel
- d. Mechanical Engineering Design Sub-committee
Principal Nominee – Mr Pravin Saxena
Alternate Nominee – Mr Dhawal Saxena

The following committees are non-functional.

- e. Basic Chemical Engineering Standards
Principal Nominee - Prof K D P Nigam
Alternate Nominee - Dr R N Trivedi
- f. Process Vessels Sub-committee
Principal Nominee - Dr P G Rao
Alternate Nominee - Prof B K Guha
- g. Heat Generation & Heat Transfer Equipment Sub committee
Principal Nominee - Prof K J R Sarma
Alternate Nominee - Dr V K Srivastava
- h. Crushing & Grinding Equipment Sub-committee
Principal Nominee – President IChE
- i. Size Separation & Filtration Sub-committee
Principal Nominee - Mr Sunil Kapadia
Alternate Nominee - Prof S Basu
- j. Drying Equipment Sub-committee

Principal Nominee - Mr Jai Uppal
 Alternate Nominee - Dr M K Bhattacharjee

- k. Packing & Gasket Sectional Committee
 Principal Nominee - Dr Amalendu Datta
- l. Refrigeration & Airconditioning Sectional Committee
 Principal Nominee – Dr D Sathiamoorthy
 Alternate Nominee - Dr Sudip K Das

- 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.

Number of applications received for membership during the period under review (April 1, 2017 to March 31, 2018), the number approved by the Council and the actual enrolment during the referred period was 2683, 2681 and 2681, respectively.

Membership position as on 31 March 2018 is given below along with the corresponding figures as on March 31, 2017 and March 31, 2016.

	March 31, '18	March 31, '17	March 31, '16
Organisational Member (Life)	77	64	61
Organisational Member (Annual)	60	61	60
Honorary Fellow	128	128	128
Fellow (Life)	121	114	112
Fellow	22	22	22
Member (Life)	5381	5305	5163
Member	750	753	753
Life Associate Member	2958	2675	2512
Associate Member	931	934	939
Student Member	17332	15555	12368

The number of Corporate Members attached to each of the Regional Centres (as on March 31, 2018) are as follows:

Sl. No	Regional Centre	No. of Members
1.	Ahmedabad	201
2.	Ankleshwar	515
3.	Annamalai	79
4.	Bangalore	206
5.	Baroda	428
6.	Bhubaneswar	119
7.	Calcutta	723
8.	Chandigarh	111
9.	Chennai	533
10.	Coimbatore	180
11.	Damanjodi	77
12.	Dehradun	56
13.	Dhanbad	37
14.	Doaba	46
15.	Durgapur	27
16.	Guwahati	170
17.	Goa	44
18.	Guntur	92
19.	Haldia	137
20.	Hyderabad	514
21.	Jaipur	83
22.	Kalpakkam	99
23.	Kanpur	89
24.	Kharagpur	91
25.	Kochi	340
26.	Lote	78
27.	Lucknow	52
28.	Mangalore	78
29.	Mumbai	940
30.	Nadiad	36
31.	Nagpur	112
32.	Northern	526
33.	Paradeep	38
34.	Pilani	29
35.	Pondicherry	51
36.	Pune	248
37.	Rourkela	66
38.	Trivandrum	155
39.	Vapi	74
40.	Waltair	243

The following organizations were admitted as organizational members of the Institute upto March 31, 2018:

Permanent Organisational Members – Industry

1	Alkyl Amines Ltd
2	Artemis Biotech Ltd., Mumbai
3	Asian Paints Ltd., Mumbai
4	Avon Organics Ltd., Hyderabad
5	Bentley Systems India Pvt. Ltd., Mumbai
6	Birla Cellulosic, Bharuch
7	Blast Carboblocks Pvt. Ltd., Navi Mumbai
8	Deepak Fertilisers & Petrochemicals Corporation Ltd., Pune
9	Development Organization for Sustainable Transformation, Chandigarh
10	Dr Reddy's Laboratories Ltd., Hyderabad
11	Excel Industries Ltd., Mumbai
12	Firechem, Faridabad
13	Golden Chemicals (I) Ltd., Mumbai
14	Gujarat Alkalies & Chemicals Ltd., Baroda
15	Gujarat Heavy Chemicals Ltd., Veraval
16	Haldia Petrochemicals Ltd., Haldia
17	Haldor Topsoe International A/S, New Delhi
18	Heavy Water Board, Mumbai
19	Hercules Speciality Chemicals (India) Pvt. Ltd., Bangalore
20	Herdillia Chemicals Ltd., Mumbai
21	Hetero Drugs Ltd., Hyderabad
22	Hikal Ltd., Taloja, Maharashtra
23	Hindustan Dorr-Oliver Ltd., Mumbai
24	Hindustan Latex Ltd., Thiruvananthapuram
25	Indian Oil Corporation Ltd., Refinery Division, New Delhi
26	Jacobs H&G Pvt. Ltd., Mumbai
27	Kavaerner Powergas India Ltd., Mumbai
28	Kavin Engineering & Services Pvt. Ltd., Coimbatore
29	Labindia Instruments Pvt. Ltd., Thane
30	Llyod's Register of Shipping, New Delhi

31	Mecon Ltd., Ranchi
32	MMTC-PAMP India Pvt. Ltd., New Delhi
33	National Organic Chemicals Industries Ltd., Mumbai
34	Novo Iresc India Private Ltd., New Delhi
35	Oil and Natural Gas Corporation Ltd., Dehradun
36	Oster Chemical & Pharmaceutical Works Pvt. Ltd., Kolkata
37	Pidilite Industries Ltd., Mumbai
38	RPG Life Sciences Ltd., Mumbai
39	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., Ankleshwar, Gujarat
45	Vical Inc., USA

Permanent Organisational Members – Research & Educational Institutes

1	Annamalai University, Annamalai Nagar
2	Central Leather Research Institute, Chennai
3	Central Salt & Marine Chemicals Research Institute, Bhavnagar
4	Chaitanya Bharathi Institute of Technology, Hyderabad
5	HBTI, Kanpur
6	Haldia Institute of Technology, Haldia
7	Heritage Institute of Technology, Kolkata
8	High Energy Material Research Laboratory, Pune
9	IIIT Nuzvid, Rajiv Gandhi University of Knowledge Technologies, Nuzvid
10	Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu
11	Indian Institute of Chemical Technology, Hyderabad
12	Indian Institute of Technology, Guwahati
13	Indian Institute of Technology, Kharagpur
14	KLE DR. M. S. Sheshgiri College of Engineering & Technology, Belgaum
15	Mahatma Gandhi Mission's College of Engineering & Technology, Navi Mumbai

16	National Chemical Laboratory, Pune
17	National Institute of Technology, Trichirapalli
18	National Institute of Technology, Durgapur
19	National Productivity Council, Chennai
20	Nuclear Fuel Complex, Hyderabad
21	SSBT's College of Engineering & Technology, Jalgaon, Maharashtra
22	Sathyabhama Engineering College, Chennai
23	Guru Gobind Singhji Institute of Engineering & Technology, Nanded, Maharashtra
24	RVR & JC College of Engineering, Guntur
25	Regional Research Laboratory, Jorhat
26	St. Joseph's College of Engineering, Chennai
27	SSN College of Engineering, Tamil Nadu
28	Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu
29	Swami Ramananda Tirtha Institute, Nalgonda
30	Vikram Sarabhai Space Centre, Thiruvananthapuram
31	Institute of Chemical Technology, Mumbai
32	University Institute of Chemical Technology, North Maharashtra University, Jalgaon

Annual Organisational Members – Industry

1	Andhra Sugar Ltd., Tanuku
2	Aventis Pharma Ltd., Bharuch
3	Beta Concepts, Hyderabad
4	Bharat Aluminium Co. Ktd., Korba
5	Bharat Petroleum Corporation Ltd., Mumbai
6	Bharuch Enviro Infrastructure Ltd., Ankleshwar
7	Birla VXL Ltd., Porbandar (Saurashtra Chemicals Ltd.)
8	Chemfab Alkalies Ltd., Pondicherry
9	Cheminova India Ltd., Bharuch
10	Chemplast Saanmar Ltd., Chennai
11	Coromondal Fertilizers Ltd., Secunderabad
12	DCW Ltd., Dharanghra, Gujarat
13	Deepak Nitrite Ltd., Nandesari Gujarat

14	Diamines & Chemicals Ltd., Baroda
15	Engineers India Ltd., New Delhi
16	Fertilizers and Chemicals Ltd., Secunderabad
17	Garg Lab Glass Industries, Vapi, Gujarat
18	Gas Authority of India Ltd., New Delhi
19	Gujarat Ambuja Cements Ltd., Kodinar
20	Gujarat Insecticides Ltd., Ankleshwar
21	Gujarat Narmada Valley Fertilizers Co. Ltd., Narmadanagar
22	Gujarat Sidhee Cement Ltd., Veraval
23	Gujarat State Fertilizer & Chemicals Ltd., Vadodara
24	Heavy Water Plant, Tuticorin
25	HEL India Ltd., Thane
26	Heubach Colour Pvt. Ltd., Ankleshwar
27	Hindustan Antibiotics Ltd., Pune
28	Hindustan Insecticides Ltd., New Delhi
29	Hindustan Organic Chemicals Ltd., Rasayani, Maharashtra
30	Hindustan Paper Corporation Ltd., Calcutta
31	Indian Petrochemical Corporation Ltd., Baroda
32	Indian Rayon Ltd., Veraval, Gujarat
33	Kevin Enterprises Pvt. Ltd., Mumbai
34	Mafatlal Industries, (Navine Flourine Industries – Chemical Division) Mumbai
35	Narmada Chematur Petrochemicals Ltd., Varuch
36	Nuchem Ltd., Faridabad
37	Saurashtra Cement Ltd., Gujarat
38	Sayantana Consultants Pvt. Ltd., Calcutta
39	Search Chem Industries Ltd., Jhagadia
40	Shriram Alkali & Chemicals, Bharuch
41	Shriram Fertilizers & Chemicals, Kota
42	Southern Petrochemical Industries Corp. Ltd., Chennai
43	Sun Pharmaceutical, Panoli
44	Surya Organics and Chemicals, Ankleshwar
45	Standard Industries Ltd., Mumbai

46	Standard Certification Council Pvt. Ltd., Mumbai
47	TCP Ltd., Chennai
48	Tata Chemicals Ltd., Mithapur
49	Textile Rubber & Chemical Co Pvt Ltd., Bhadohi
50	Trident Alco-Chem Ltd., Ludhiana
51	Vihita Chem Pvt. Ltd., Ankleshwar
52	Zuari Agro Chemicals Ltd., Zuarinagar, Goa
53	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 Associated Membership Examination

The number of candidates who appeared at the Institute's Associate Membership Examination during the last 10 years was as follows:

Year	No. of Candidates
2008	1749
2009	1999
2010	2222
2011	2406
2012	2495
2013	2283
2014	1872
2015	1427
2016	1206
2017	1083

The number of candidates who appeared at the final part (Part III) of the Institute's Associate Membership

Examination during the last 10 years was as follows:

Year	Semester	No. Appeared	No. Passed	% of successful candidates
2007	March	33	30	90.9
	September	38	34	89.5
2008	March	35	33	94.3
	September	39	36	92.3
2009	March	22	22	100.0
	September	34	31	91.1
2010	March	56	48	85.71
	September	32	25	78.12
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

10.0 IICChE Awards 2017

Following is the list of IICChE Awards, presented on the occasion of CHEMCON 2017 at Haldia, in recognition of eminence and excellence in various spheres of chemical engineering profession. Also included is the list of recipients of the awards.

IICHe Award - 2017

Sl. No.	Name of the Awards/Prizes	Awardees of the Year
1.	Dr.B.P.Godrej Life Time Achivement Award	Mr D P Misra Past President, IICHe Mumbai
2.	Dr H L Roy Memorial Lecture sponsored by Jacobs	Dr Asoke Deysarkar Chief Executive Officer, PfP Industries Houston, Texas, USA
3.	Aker Powergas's Prof N R Kamath and Mrs Ruzena Kamath Memorial Lecture	Professor S C Jana Dept of Polymer Engineering, University of Akron Akron, USA
4.	Inventaa C K Murthy Memorial Lecture	Smt Sheela Deputy Chief Executive, Nuclear Fuel Complex Hyderabad
5.	Solenis Bharat Ratna Prof C N R Rao Medal and Chemcon Distinguished Speaker Award	Prof D D Sarma, FNA, FTWAS IISc, Bangalore
6.	RPG Life Sciences Padma Vibhushan Prof M M Sharma Medal and Chemcon Distinguished Speaker Award	Prof Yogesh Joshi SS Bhatnagar Prize Winner IIT Kanpur
7.	Asian Paints Padma Vibhushan Dr R A Mashelkar Medal and Chemcon Distinguished Speaker Award	Dr Arunima (Ruma) Acharya CEO/President at GIT, Scindia & Optiblend, Director, PfP Industries, USA
8.	Deepak Group's Padma Bhushan Prof L K Doraiswamy Chemcon Distinguished Speaker Award	Prof G D Yadav Vice Chancellor ICT, Mumbai
9.	Chemical Weekly's Padmashri Dr G P Kane Chemcon Distinguished Speaker Award	Prof Xiao Dong Chen, FTSE, FRSNZ, FICHEM, CEng University Distinguished Professor Soochow University, China
10.	Hetero Drugs Prof G S Laddha Chemcon Distinguished Speaker Award	Prof B C Meikap IIT, Kharagpur
11.	CSIR-IICT-Avon Padmashri Dr G S Sidhu Chemcon Distinguished Speaker Award	Prof B N Thorat Head, Dept. of Chemical Engineering ICT, Mumbai
12.	Sartorius India's Chemcon Distinguished Speaker Award	Prof G K Suraishkumar Dept of Biotechnology IIT-Madras, Chennai
13.	United Phosphorus Chemcon Distinguished Speaker Award	Prof Pushpito K Ghosh Former Director CSMCRI Bhavnagar
14.	Hikal's Chemcon Distinguished Speaker Award	Mr Soumya Chakrabarti Chief Operating Officer OPAL India
15.	CSIR-CSMCRI Chemcon Distinguished Speaker Award	Prof A K Suresh IIT Bombay, Mumbai
16.	CSIR-CLRI Padmabhushan Dr Y Nayudamma Chemcon Distinguished Speaker Award	Mr C K Tewari Executive Director IOCL, Haldia
17.	DOST Professor S K Sharma Medal and Chemcon Distinguished Speaker Award	Dr Sadhana Rayalu Scientist G CSIR-NEERI Nagpur

18.	CSIR-NEERI Chemcon Distinguished Speaker Award	Dr Sommath Basu Vice-President Global Process Engg & Chief Tech Officer Headworks International, USA
19.	CSIR-NCL's Padmabhushan Professor K Venkataraman Chemcon Distinguished Speaker Award	Prof Saikat Maitra Vice-Chancellor MAKAUT, Kolkata
20.	Labindia's Padmabhushan Prof R Kumar Chemcon Distinguished Speaker Award	Prof Sanjay M Mahajani IIT Bombay Mumbai
21.	Lala Shriram National Award for Leadership in Chemical Industry	Dr Purnendu Chatterjee Founder and Chairman (TCG) & HPL
22.	Herdillia Award for Excellence in Basic Research in Chemical Engineering	Prof K K Pant IIT, Delhi
23.	Jubilant Award for Excellence in Design for Development of Process Plant and Equipment	Mr P V Chepe, Mr J P Soni, Mr N Ranga Rao, Mr Gopinath Pandhari, Mr Milind Tete, Mr Sanjay Dodiya and Randheer Yadav Thyssenkrupp Industrial Solutions India Pvt Ltd, Mumbai
24.	NOCIL Award for Excellence in Design or Development of Process Plant and Equipment	Mr Praveen Saxena Blast Carboblocks Pvt Ltd, Navi Mumbai
25.	ONGC Award for Excellence in Design and Development of Oil/Gas Related Process Plant and/or Chemicals	Dr Ajay Mandal IIT, Dhanbad
26.	Hindustan Dorr-Oliver Award for Excellence in Use of Science & Technology in Rural Development	Dr Sirshendu De IIT, Kharagpur
27.	ICI India Ltd Award for Excellence in Process or Product Development	Dr A Gangagni Rao CSIR-IICT, Hyderabad
28.	Amar Dye-Chem Award For Excellence in Research and Development in Chemical Engineering below the age of 35 years	Dr R Vinu IIT Madras, Chennai
29.	Dr A V Rama Rao Foundations Best Ph D Thesis Award	Dr Sourav Mondal and Dr Sirshendu De IIT, Kharagpur
30.	The Chemical Weekly Prize for Best Research Paper published in a High Impact Factor International Journal by an Undergraduate Chemical Engineering Student (First and Second Prizes)	1st Prize Mr Rushap Khazanchi IIT, Delhi 2nd Prize Ms Aparajita Kar Base Institute, Bangalore
31.	Chemical Weekly Award for the Best Paper Published in the Institute's Journal (ICE-2016)	Dr M Chidambaram and Dr N Thunga Mani, IIT Madras, Chennai
32.	IChE NRC Award Best Paper in "Indian Chemical Engineer" 2016	Dr M Chidambaram and Dr N Thunga Mani, IIT Madras, Chennai
33.	The Kuloor Memorial Award to the best technical paper published in the journal of the Institute in the issues of the preceding year	Dr M Chidambaram and Dr N Thunga Mani, IIT Madras, Chennai
34.	IChE NRC Award 2nd Best Paper in "Indian Chemical Engineer" 2016	Mr N S Ghuge and Dr D Mandal, BARC, Mumbai

35.	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	Mr N S Ghuge and Dr D Mandal, BARC, Mumbai
36.	IICChE NRC Award 3rd Best Paper in "Indian Chemical Engineer" 2016	Dr Ashwini Sood, Dr Anjali Awasthi and Dr Ranjana Bharti, HBTI, Kanpur
37.	Mr.M.H.Shukla Prize for Best Tech Paper presented in preceding year CHEMCON (2 Prizes)	1st Prize Dr K A Ramya and Dr A P Despande, IIT Madras, Chennai 2nd Prize Dr Sonil Nanda and Dr J A Kazinski, York University, Canada and Dr Ajay K Dalai, University of Saskatchewan, Canada
38.	Mrs.Chinnamaul Mem. Prize for Best Tech Paper presented in preceding year CHEMCON	Dr Debika Chaudhury, Dr Rohan Bolisetty, Dr Supreet Saini and Dr Kalyan Gayen, IIT Bombay, Mumbai
39.	Kishore K Das Memorial Prize for securing highest marks in Part-III (Home Paper) Associate Membership Examination of the Institute	AMIICChE Exam held in September 2016 Mr Kisalay Kumar Vadpdara, Gujarat AMIICChE Exam held in March 2017 Mr Jayminkumar D Patel Surat, Gujarat
40.	Prof D K Guha Award for AMIICChE Candidates	Mr Pradip Bhunia Midnapur, W.B.
41.	N R Nandi Memorial Prize	Mr Naresh Ramchandra Ghate Mumbai
42.	M P Chary Memorial Award	Mr Ashish V Mohod ICT, Mumbai
43.	Late Lakshmi Nandakumar Award of the Institute for best presentation in Schemcon 2017 by a Lady Student	Ms Shrawani Shailesh Nimje and Ms Rakshita S Chahande Priyadarshini Inst of Engg and Tech., Nagpur
44.	Gouri Dutta Award for the Best Paper presentation in Schemcon 2017 of the Indian Institute of Chemical Engineers	Mr Ajitesh Sunil Dubey Gharda Institute of Technology Khed
45.	Ambuja's Young Researcher's Awards for doing Post-Graduate Studies in India after GATE Examination (Ten Prizes)	1. Mr S Sri Ganesh, IIT, Kharagpur 2. Mr Saiprasad Pati, IIT, Guwahati 3. Mr Chandantaru Dey Modak, IIT, Dhanbad 4. Ms Shruti Hinge, ICT, Mumbai 5. Ms Madhuri Kumari, NIT, Jalandhar 6. Mr Abhirup Basu, IIT, Bombay 7. Mr Arnab Sarkar, NIT Durgapur 8. Mr Hammad Siddiqi, IIT Kharagpur 9. Mr Manoj Kumar Jena, IIT, Dhanbad 10. Ms Priyanka Kamble, ICT, Mumbai
46.	Ambuja's Best Student Chapter Award (2 Prizes)	1st Prize IICChE Student Chapter Shroff S R Rotary Institute of Chemical Technology Bharuch

		2nd Prize IIChE Student Chapter Kongu Engineering College Perundurai
47.	Pidilite's Best Student Chapter Award	IIChE Student Chapter Sri Venkateswara College of Engineering Pennalur
48.	Best Regional Centre Award (3 Prizes)	Category "A" Best Ankleshwar Regional Centre, IIChE Category "B" Best Guntur Regional Centre, IIChE Category "B" Second Best Haldia Regional Centre, IIChE
49.	Prof.P.Sen Gupta Award for Best Employee of the Year	Mr N C Mondal IIChE, Kolkata
50.	Acharya P C Ray Award for the Best Home Paper at the Final Degree Examination (2 Prizes)	1st Prize Ms K Naga Jyothi Vignan University, A.P.
51.	Ambuja's Best Home Paper or Design Project Report Awards (3 Prizes)	2nd Prize Mr A S Ragul Sastra University, Thanjavur
52.	VICAL Award for the Best Paper Presentation during the previous SCHEMCON (3 Prizes)	1st Prize Mr Ritesh Dinkar Pawar ICT, Mumbai 2nd Prize Mr Gaurav Sen NIT, Durgapur 3rd Prize Ms Eeshani Godbole ICT, Mumbai 1st Prize Mr Anurag Shakya, Mr Ankit Gupta, Mr Manish K Upadhyay and Mr Manjit Maury IET, Lucknow 2nd Prize Mr G U Arun, Mr A S Ragul and Mr R Velmurgan Sastra University, Thanjavur 3rd Prize Mr Vignesh Iyer and Mr Darsh Shah G H Patel College of Engineering, Vidyanagar
53.	Fellows	Dr N N Mahapatra Dr T L Prasad Mr Shyam Bang Dr Ajay N Deshpande Mr P R Mohanty Dr Debashis Raha Dr K K Pant Mr Biswanath Chattopadhyay Mr Subhasendu Chatterjee

11.0 Students' CHEMCON

The IChE Students' Chapter at National Institute of Technology (NIT), Rourkela under the aegis of Rourkela, Regional Centre hosted the 13th Annual Session of Students' Chemical Engineering Congress (SCHEMCON-2017) on 7 and 8 October, 2017, in association with the Department of Chemical Engineering, NIT Rourkela on the theme of 'Emerging Technological Advancement in Chemical Engineering'. The two-day event was attended by more than 450 undergraduate students from all across the country. Programmes comprised Lectures by eminent speakers, Technical Sessions, including Oral and Poster Presentations by students, and a Technical Quiz Contest. The competition for the M.P. Chary Young Scientist Award for research scholars was also conducted during the event.

On the first day, the Inaugural Ceremony was presided by Prof. P. De, President of IChE for 2017. He spoke about SCHEMCON and other activities of IChE. Prof. R. K. Singh, Chairman, SCHEMCON 2017, and Head, Department of Chemical Engineering, NIT Rourkela welcomed the august gathering. Prof. Animesh Biswas, Chief Patron, SCHEMCON 2017 and Director, NIT Rourkela, highlighted the achievements of NIT Rourkela and the Department of Chemical Engineering. Prof. H.M. Jena, Organizing Secretary, SCHEMCON 2017, outlined the details of this Congress, its theme, etc. The Chief Guest of the function, Mr. P. R. Mohanty, ex-chairman of Heavy Water Board, spoke on the importance of chemical engineering in propelling the economy of the country. Dr. B.K. Satpathy, ex-Executive Director of Business Development and R&D, NALCO, and also the Guest of Honour of the function, spoke on the role of chemical engineers in converting minerals resources into resources that the generation demands. Mr. F.C. Mohanty, Vice-chairman, SCHEMCON and Chairman, IChE Regional Centre, Rourkela, highlighted the activities of the Rourkela Regional Centre. Prof. S. Sen, Joint Organizing Secretary, SCHEMCON 2017, offered vote of thanks.

Nearly 450 undergraduate students, 50 research scholars and more than 60 guests and delegates from industry and academia participated in this year's SCHEMCON. As the day proceeded, the gathering was addressed by Prof. S. De, HoD, Department of Chemical Engineering, IIT, Kharagpur. The Keynote Speaker, and other invited speakers, i.e., Dr. B. K. Satpathy; Mr. P. R. Mohanty, Dr. P. S. Dash (Head, R&D, Coal and Coke Making Research Group, Tata Steel, Jamshedpur); Mr. M. Mohan (General Manager, Operations, Indian Oil Corporation Limited, Paradeep); spoke on the theme of SCHEMCON 2017. Prof.

S. De spoke on innovations in membrane reactors. Mr. Mohanty spoke on 'A Treasure Chest for Chemical Engineers – Few Snap Shots from Indian Nuclear Fuel Cycle'. Dr. Satpathy spoke on 'Aluminium, the Green Metal - Potential Characteristics & Emerging Applications'. Dr. Dash delivered a lecture on 'Technology for Sustainability'. The lectures were followed by two rounds of technical sessions, where the students presented their papers. The evening cultural event comprised classical dance and music recitals. Er. D. R. Patnaik, Director, Altrade Group and Padmanava College of Engineering, Rourkela, was felicitated during the ceremony.

On the second day, the second keynote speech was delivered by Mr. U. V. Parlikar (Deputy Head, Geocycle, India ACC Limited) on the topic of 'Chemical Engineers will be Key Players in Transforming the Existing Linear Economy into a Circular One'. Invited speaker, Dr. N. R. Sahoo (Senior Environmental Engineer, State Pollution Control Board, Bhubaneswar, Odisha) spoke on 'Global warming and Climate Change'. This was followed by another two rounds of technical sessions and a technical quiz context.

SCHEMCON came to a close with the Valedictory Ceremony, which was presided over by Prof. P. De, IChE President. It was attended by Prof. G. K. Roy (Ex-HoD, Department of Chemical Engineering and Ex-Director, NIT, Rourkela) as the Chief Guest. He spoke on how the chemical engineers can serve better the society. Prof. B. C. Meikap (Professor, Department of Chemical Engineering, IIT, Kharagpur), the Guest of Honour, focussed on converting basic research output to application in real life, Prof. C. Karthikeyan (Vice-President, IChE), and Dr. M. V. Rao (Secretary, IChE) presented the IChE awards. Prof. R.K. Singh summarized the outcome of SCHEMCON 2017. The Vote of Thanks was offered by Prof. H. M. Jena (Organizing Secretary, SCHEMCON-2017).

The entire event was conducted well and met the expectations of all participants. However, none of this would have been possible without the contributions of Indian Oil Corporation Limited, which was the Gold Sponsor of the entire event, Jindal Panther (JSPL) and NALCO, which were associate sponsors, Grasim Industries (Aditya Birla Group), sponsor of cultural events.

12.0 Institute's Library

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

13.0. Regional Centre Affairs

The lists of Executive Committee Members for July 2017 - June 2018 as received from the respective Regional Centres are presented below:

Ankleshwar Regional Centre

Chairman : Mr A K Sahni, **Vice-Chairman :** Mr S I Thakar, Mr B D Dalwadi, Mr Himanshu Gondalia, & Mr A K Jain, **Honorary Regional Secretary:** Mr R R Khandpur, **Honorary Regional Jt Secretary- Dahej :** Mr Shantanu Das, **Jt Secretary- Ankleshwar:** Mr Sunil Motiramani, **Jt Secretary – Bharuch:** Mr A I Shaikh, **Honorary Regional Treasurer :** Mr Snehal Tralsawala, **Members:** Mr P G Dave, Prof S J Wagh, Mr N B Saraiya, Mr M I Shamsi, Mr B J Patel, Mr R S Senjalia, Mr Ganesh R Sharma, Mr Dinesh Patel, Mr Shashi Shekhar, Mr Anupam Kansal, Mr Rilesh Mehta, Mr P B Shah & Satyan Pandya, **Co-opted Member:** Prof Dr Parimal A Parikh, Mr Manoj Kamalia, Mr A K Jain, Mr K H Pandit, Mr Nitin Patel, **Immediate Past Chairman :** Mr D M Gandhi

Annamalai-Neyveli Regional Centre

Chairman: Dr P Mullai, **Vice-Chairman:** Dr K Manikandan, **Honorary Regional Secretary:** Dr S Anhuradha **Honorary Regional Jt. Secretary :** Mr B Karunakaran, **Honorary Regional Treasurer :** Dr S Arrivukkarasan **Ex-officio:** Dr P Nagarajan **Members:** Dr V Vijayagopal, Dr K Manikandan, Dr R Sangeetha, Dr R Palaniraj, Dr R Jayakumar, Dr K Rathinakumaran & Dr K Muthu

Bangalore Regional Centre

Chairman : Dr V Venkatesham, **Vice-Chairman :** Dr R Suresh, **Honorary Regional Secretary :** Mr K A Badarinarayana, **Honorary Regional Jt Secretary :** Mr G K Mahadevaraju, **Honorary Regional Treasurer :** Mr G Kishore Kumar **Members :** Dr, **Co-opted Member:** Mr H N Pradeep, Dr Brijesh & Dr Anand B Halgeri, **Ex-officio Member:** Dr G M Madhu

Baroda Regional Centre

Chairman : Mr D Chakraborty, **Vice-Chairman :** Nilesh Mangukia, **Joint Vice-Chairman :** Mr R K Desai, **Honorary Regional Secretary :** Mr Nikhil Tonapi, **Honorary Regional Jt Secretary :** Mr Vipul Mehta, **Honorary Regional Treasurer:** Prof N M Surana, **Members:** Mr Kisalay Kumar, Mr S Sarkar, Mr Nitin Bhate, Mr Brijesh Trivedi, Mr Manish Shah, Mr Nikunj Parekh, Mr Nikunj Jain, Mr Manan Joshi, Mr Shahbuddin, Mr M Tare & Mr Mehul Patel

Bhubaneshwar Regional Centre

Chairman : Dr S K Tamotia, **Vice-Chairman :** Dr P C Rath,

Honorary Regional Secretary : Dr M K Ghosh, **Honorary Regional Jt. Secretary :** Mr Santosh Deb Barma, **Honorary Regional Treasurer :** Ms Binapani Behera, **Members :** Prof G K Roy, Dr S K Biswal, Dr K Sarveswara Rao, Mr Kashinath Barik & Mr Bibek Dash Ex-officio : Mr J Rath & Dr Swagat S Rath

Calcutta Regional Centre

Chairman: Prof Amalesh Sirkar, **Vice-Chairman:** Prof Swami Vedjnanda, **Honorary Regional Secretary :** Prof Priyabrata Sarkar, **Honorary Regional Jt Secretary :** Dr Sangita Bhattacharyya, **Honorary Regional Treasurer :** Mr Abhijit Kumar Mitra ,

Chandigarh Regional Centre

Chairman : Mr Sandeep Sharma, **Vice-Chairman:** Prof S K Sharma, **Honorary Regional Secretary:** Prof V K Rattan, **Honorary Regional Jt Secretary :** Mr Deepak Mehon, **Honorary Regional Treasurer :** Prof R K Chhabra, **Members :** Ms Hema Setia, Prof Amrit Pal Toor, Prof Anupama Thakur, Prof Ritu Gupta, Dr Amit Sobti, Dr Gaurav Rattan, Prof Seema Kapoor, Prof Meenakshi Goyal

Chennai Regional Centre

Chairman : Dr G S Venkataratnam, **Vice-Chairman :** Mr S Sekar, **Honorary Regional Secretary:** Dr N Balasubramanian, **Honorary Regional Jt Secretary :** Dr R Parthiban, **Honorary Regional Treasurer:** Mr D Gokul, **Members :** Dr N Nagendra Gandhi, Dr D Mohan, Mr K Sadanand, Mr Ramasubramanian, Dr M P Rajesh, Dr B Bharathiraja, Dr Harikrishnan, Dr N P Kavitha, **Co-opted Member:** Dr Vasanth Kumar

Coimbatore Regional Centre

Chairman : Dr T Kannadasan, **Vice-Chairman :** Dr D Prabhakaran, **Honorary Regional Secretary :** Mr P Sivakumar, **Honorary Regional Jt Secretary :** Mr G Gnanavel, **Honorary Regional Treasurer :** Mr A Vivek Joe Bharath, **Members:** Dr M Thirumarimurugan, Dr A Sivalingam, Dr V M Sivakumar, Dr K Kannan, Mr S Ramachandran, Ms V P Mohanjeayavalli, Prof K Senthilkumar, Dr Udhaya Bhaskar Reddy, Mr S Mothil, Ms Nisha Subash

Damanjodi Regional Centre

Chairman : Mr Sharanan Chaudhuri, **Vice-Chairman :** Mr Prafulla Kumar Patra, **Honorary Regional Secretary :** Mr N Murali Sridhar, **Honorary Regional Joint Secretary:** Mr Dillip Kumar Sahoo, **Honorary Regional Treasurer :** Mr B Viinod Kumar, **Members:** Mr R S Dharman, Dr Ashalata Gantayat, Mr Prabhat Sahoo, Mr Sudhir Kumar Sahu, Mr Sk Md Ali

Doaba Regional Centre

Chairman: Dr Ajay Bansal, **Vice-Chairman:** Dr A K Jana, **Honorary Regional Secretary :** Dr Shailendra Bajpai, **Honorary Regional Jt Secretary :** Dr N K Srivastava, **Honorary Regional Treasurer:** Mr Kamoj Kumar, **Members :** Dr Renu Gupta, Dr Poonam Gera, Dr Sangeeta Garg, Dr J K Ratan, Ms Rubal Preet, Dr Pamita Awasthi, Dr Vipin Kumar Sohpal, Dr Rajeev Arora, Dr Amit Arora & Dr Manoj Kumar Jindal

Dhanbad Regional Centre

Chairman : Prof Vineet Kumar, **Vice-Chairman :** Prof V K Saxena, **Honorary Regional Secretary:** Dr T K Naiya, **Honorary Regional Treasurer :** Dr Suman Dutta

Durgapur Regional Centre

Vice-Chairman : Dr Subhamay Haldar, **Honorary Regional Secretary :** Dr J P Sarkar, **Honorary Regional Jt Secretary :** Dr Anup Kumar Sadhukhan, **Honorary Regional Treasurer :** Dr Gopi Nath Haldar, **Members:** Dr Apurba Dey, Dr Swapan Paruya, Dr Mrinal Kanti Mandal, Dr Bimal Das & Dr Projjwal Sarkar

Goa Regional Centre

Chairman : Prof Saibal Ganguly, **Vice-Chairman :** Prof Srinivas Krishnaswamy, **Honorary Regional Secretary :** Prof Saroj Sundar Baral

Guwahati Regional Centre

Chairman : Prof B P Mandal, **Vice-Chairman :** Prof Anugrah Singh, **Honorary Regional Secretary:** Dr Prakash Kotecha, **Honorary Regional Jt Secretary :** Dr Anki Reddy Katha, **Honorary Regional Treasurer :** Dr Subrata K Majumdar, **Members:** Prof Pallab Ghosh, Dr Mihir K Purkait, , Dr Tapas K Mandal, Dr Ashok K Dasmahapatra, Dr Amit Kumar, Dr Pankaj Tiwari, Dr Raghvendra Gupta, Dr Anadalakshmi R & Dr Venkatesh R Prasanna

Guntur Regional Centre

Chairman : Dr V Govardhana Rao, **Vice-Chairman :** Dr V Madhusudhana Rao, **Honorary Regional Secretary:** Dr M Venkateswara Rao, **Honorary Regional Jt Secretary :** Dr J Srinivasa Rao, **Honorary Regional Treasurer :** Dr C V Subrahmanyam, **Members:** Mr J Murali Mohan, Mr M Raghavaiah, Mr Enjumuri Pardhasaradhi, Dr T Subbaiah, Dr K B K Rao, Mr R Banerjee Babu & Mr N Jani Bhasha

Haldia Regional Centre

Chairman : Mr A K Ghosh, **Vice-Chairman :** Dr S B Kuila, **Honorary Regional Secretary:** Dr T K Manna, **Honorary Regional Jt. Secretary :** Mr S Jana, **Honorary Regional Treasurer :** Dr B Bej, **Members :** Mr A C Mishra, Dr A K

Saha, Dr R Das, Dr R N Jana, Dr S J Sahu, Mr B Mandal, Mr A Sinha & Mr S De

Hyderabad Regional Centre

Chairman : Smt Sheela, **Vice-Chairman :** Mr M G V Chalapathi Rao, Mr M Ranga Rao, **Honorary Regional Secretary :** Dr Sanjay Bhardwaj, **Honorary Regional Jt Secretary :** Dr Illaiahj, **Honorary Regional Treasurer :** Mr M Misra, **Members :** Prof R Sreedhar Rao, Mr C P Ramulu, Mr E Venkatesham, Dr Srinu Naik, Prof Sashikala, Mr Ch Appa Rao, Mr Arun Anand, Mr D N Singh, Mr K Ravichand

Jaipur Regional Centre :

Chairman : Prof S P Chaurasia, **Vice-Chairman :** Mr S L Arora, **Honorary Regional Secretary :** Dr Madhu Agarwal, **Honorary Regional Jt Secretary :** Dr Neha Sharma, **Honorary Regional Treasurer :** Dr Rajeev Dohare, **Members :** Mr V K Jain, Dr Manish Vashishthha, Mr Sushant Upadhyaya, Dr Dipaloy Dutta, Dr Isha Arya, Dr Manisha Sharma & Dr Jitendra Singh, **Co-Opted Member:** Dr Kailash Singh

Kanpur Regional Centre

Chairman : Dr R K Trivedi, **Vice-Chairman :** Dr Rajesh Kumar Garg, **Honorary Regional Secretary :** Dr Vinay Kumar Sachan, **Honorary Regional Jt Secretary :** Mr Veshesh Agrawal, **Honorary Regional Treasurer :** Mr Ashutosh Mishra, **Members :** Dr Pramod Kumar, Dr Arun Maithani, Dr Santosh Kumar, Mr Subhash Sharma, Mr M S Rajput, Dr S K Gupta, Ms Neeta Singh

Kharagpur Regional Centre

Chairman: Prof Sirshendu De, **Honorary Regional Secretary :** Prof Pavitra Sandilya, **Honorary Regional Treasurer :** Prof Hariprasad Kodamana, **Members :** Prof Debdulal Kar, Prof Swati Neogi, Prof Sudarsan Neogi & Prof Bhim Charan Meikap

Kochi Regional Centre

Chairman: Mr P K Sureshkumar, **Vice Chairman:** Mr Manoj N, **Honorary Regional Secretary:** Mr T P Siby, **Honorary Regional Jt Secretary:** Mr T Chandramohan, **Honorary Regional Treasurer:** Mr V Venkatesan, **Members:** Mr K D Antony, Mr P V Ayyappan, Mr Immanuel C Thampi, Mr N Mohan, Mr Rejith Manayath, Mr V J Subash, Mr Sudarshan Kumar & Syed Imran Ahmed, **Co-opted Member:** Dr G Madh & Mr O A Nizam

Lote-Parasuram Regional Centre

Chairman : Mr Rajesh Manatkar, **Vice-Chairman:** Mr V V Dhage, **Honorary Regional Secretary :** Mr R B Ghadage, **Honorary Regional Treasurer :** Mr P N Joshi, **Members:** Mr S K Gandhi, Mr S D Parthe, Mr Odol Krishnan, Mr V B Baligba, Mr P B Patil, Mr V V Dhotre, Mr D C Patil

Lucknow Regional Centre

Chairman : Mr Prakash Narain Tandon, **Vice-Chairman :** Mr Rajata Mehra, **Honorary Regional Secretary :** Dr Dhananjay Singh, **Honorary Regional Treasurer :** Mr Ranvir Singh, **Honorary Regional Jt Secretary :** Mr D K Srivastava, **Members :** Dr B N Misra, Dr G N Garg, Dr A S Vidyarthi, Dr Sushil Kumar, Mr Sudeep Tandon, Mr Mayur Tandon, Mr Suresh Kumar & Mr Ram Pravesh

Mangalore Regional Centre

Chairman : Mr M R Venkatesh Sharma, **Vice-Chairman :** Professor S Harish Kumar, **Honorary Regional Secretary :** Dr Keyur Raval, **Honorary Regional Jt Secretary :** Mr B P Teradal, **Honorary Regional Treasurer :** Prof S Sivasankaran

Mumbai Regional Centre

Chairman : Mr R G Rajan, **Vice-Chairman :** Dr Aparna Tamaskar, **Honorary Regional Secretary :** Mr V Y Sane, **Honorary Regional Jt Secretary :** Mr Rajesh Jain, **Honorary Regional Treasurer :** Mr Ravindra Joshi, **Immediate Past Chairman:** Mr M P Jain, **Members:** Mr K Sahasranaman, Mr Praveen Saxena, Dr Anita Kumari, Mr S Chitanvis, Dr T L Prasad, Mr Dhawal Saxena & Dr R Pathak

Nagpur Regional Centre

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

Northern Regional Centre

Chairman : Prof S S Sambhi, **Vice-Chairman :** Prof Anil Kumar Saroha, **Honorary Regional Secretary :** Mr Abhijit Bikas Pal, **Honorary Regional Jt. Secretary :** Dr Sachchida Nand, **Honorary Regional Treasurer :** Dr Anil Verma, **Members :** Prof S Basu, Dr S N Chakravarty, Mr D D Maheshwari, Prof V K Srivastava, Prof K K Pant, Dr Anand Mukherjee, Mr Amitava Banerjee, Dr Dinesh Kumar, **Co-opted Member:** Mr Shyam Bang & Mr Ranjan Goel

Pilani Regional Centre

Chairman : Dr Suresh Gupta, **Vice-Chairman:** Mr Amit Jain, **Honorary Regional Secretary:** Dr Ajaya Pani, **Honorary Regional Jt Secretary:** Dr Smita Raghuvanshi, **Honorary Regional Treasurer:** Dr Srinivas Appari, **Members :** Dr H K Mohanta, Dr Arvind Kumar Sharma, Dr Pratik N Sheth, Dr Pradipta Chattopadhyay, Dr Banasri Roy & Dr Priya C Sande

Pune Regional Centre

Chairman: Dr C V Rode, **Honorary Regional Secretary:** Dr Sanjay Kamble, **Honorary Regional Jt Secretary:** Dr Suyogkumar Vijay Taralkar, **Honorary Regional Treasurer :** Dr Prafulla L Garge **Members:** Dr Subhash Hari Vaidya, Er Prakash Patil, Mr Alok Pandit, Dr Utkarsh Maheshwari, Dr Shashank G Gaikwad, Mr Satchidanand Satpute, Mr Sanjay H Kulkarni, Mr M Y Naniwadekar & Mr Rajendra Kumar

Rourkela Regional Centre

Chairman : Mr F C Sahoo, **Vice-Chairman:** Dr Manoj K Mishra, **Honorary Regional Secretary :** Dr Hara Mohan Jena, **Honorary Regional Jt Secretary:** Dr (Mrs) Abanti Sahoo, **Honorary Regional Treasurer :** Dr Akhilesh K Sahu, **Members:** Dr (Mrs) G Sunanda, Dr S K Pratihar, Dr (Mrs) M Kundu, Mr S Acharya, Dr (Mrs) Susmita Mishra, Dr Basudeb Munshi & Dr Arvind Kumar

Trivandrum Regional Centre

Chairman: Mr C R Thomas, **Vice-Chairman:** Mr Venugopal S, **Honorary Regional Secretary:** Mr Praveen Kumar Solasa, **Honorary Regional Joint Secretary:** Mr S Somanathan, **Honorary Regional Treasurer:** Mr Rajesh E K, **Members:** Prof S Alwan, Dr Ajit Haridas, Dr K B Radhakrishnan, Dr P P Thomas, Mr E Senthil Kumar, Mr Alok Kumar Patel, Mohamed Sadhik, Mr Lakshman Yalisala, Mr Abdul Haleem, Mr Kiran Kumar & Mr P Binuraj

Vapi Regional Centre

Chairman : Mr Rameshchandra N Prajapati, **Vice-Chairman :** Dr Hiten M Bhatt, **Honorary Regional Secretary :** Mr Maulik J Desai, **Honorary Regional Jt Secretary :** Mr S S Pokale, **Honorary Regional Treasurer :** Mr Vijay B Savarkar, **Members :** Mr Vinod S Kashalikar, Mr Arun Kootale, Mr Devidas K Khubchandani, Dr H M Hirpara, Mr Jagdish U Parmar Mr J R Shah, Mr Hasmukh K Doshi, Dr Jagdishkumar P Tandale, Mr Shashidhar Gosi & Mr Uday R Marballi

Waltair Regional Centre:

Chairman : Dr A Srinivasa Rao, **Vice Chairman :** Mr E Esakki Ramkumar, **Honorary Regional Secretary :** Dr S V Naidu, **Honorary Regional Jt Secretary:** Dr G M J Raju, **Honorary Regional Treasurer :** Dr N Chitti Babu, **Members:** Dr P King, Prof K V Rao, Dr R Padma Sree, Dr Bokam Demudu, Dr M S N Murty

We are unable to publish lists of EC Members from i) Ahmedabad, ii) Dehradun, iii) Kalpakkam, iv) Nadiad, v) Pondicherry due to their non-availability

14.0 Regional Centre Activities not related to R&D

Regional Centres and Student Chapters under the aegis of the RCs conduct various programmes for skill enhancement,

awareness building, networking, publicity, etc., besides R&D related activities. An account of such activities, conducted during July 2017 – June 2018 is presented below:

Regional Centre Activities not related to R&D

Name of the Regional Centre	Activities
Ankleshwar	<p>a) Industry Visit :</p> <p>1) To the plant of GNFC-Bharuch. Date: 13.12.2017 and Lupin Ltd-Ankleshwar. Date: 14.12.2017</p> <p>2) To the plant of GNFC Ltd. Date: 02.02.2018 & 03.02.2018</p> <p>b) Felicitation:</p> <p>Top three Chemical Engineering Students of SVMIT were felicitated. Date: 10.04.2018</p>
Annamalai-Neyveli	<p>a) Lectures:</p> <p>On 'The Role of Chemical Engineers in Industries' by Dr R Valarivan, Head, Research & Development, Ultramarine Pigments Ltd, Ranipet. Date: 21.08.2017.</p> <p>On 'Rejuvenate the Way of Living through Ayurveda' by Dr S Ezhilarasan, B.A.M.S., Sanjeevi Ayurveda Hospital & Research Centre Panriti. Date: 26.09.2017</p> <p>On 'Finance for Engineering' by Mr K Agoramoorthy, 'Entrepreneurship' by Mr L V Sekar and 'Role of Information Technology in Chemical Engineering' by Mr Chandrasekar. Date: 25.01.2018.</p> <p>b) Observation of Safety Day</p> <p>The day was marked by hoisting of safety flag and taking of a pledge on safety. Date: 08.03.2018.</p> <p>c) Workshop:</p> <p>On 'Women Empowerment' by Dr K Shankari, and on 'Nutrition for Empowering Women and Girls' by Dr S P Shanthi. Date: 19.04.2018.</p> <p>b) Industry Visit:</p> <p>To the plant of Thiru Arooran Sugars Industries and, Erode, Kasipalayam Common Effluents Treatment Plant Private Ltd, Tirupur and Pasteur Institute of India Library & Animal House Laboratory, Coonoor, organized by Student Chapter, Annamalai University. Date: 06 & 07.10.2017.</p>
Bangalore	<p>a) Student Chapter Activity:</p> <p>Grant for Student Projects:</p> <p>Under the scheme for grant, eight (8) projects from different colleges were selected for the current year and were granted Rs. 5,000/- each.</p>
Baroda	<p>AMIICHE Study Centre</p> <p>A study centre was inaugurated at IOCL-GR township to assist AMIICHE aspirants. Date: 05.09.2017.</p>
Bhubaneswar	<p>a) Silver Jubilee Year Celebration</p> <p>The celebration, coinciding with the Foundation Day, was held in a big way with Padmashri Prof, G.D. Yadav, VC, ICT, Mumbai and Past President, IChE present as the Chief Guest. Mr. D.P. Misra, Former Deputy MD, Jacobs Engineering India and Past President, IChE was the Guest of Honour. On the occasion, Prof. Yadav delivered a lecture on 'Critical Role of Chemical Engineering in Prime Minister's Missions for New India'. Date: 12.09.2017.</p>

	<p>b) Industriy Visit:</p> <p>1) To Saraf Titanium Industry, Chhatrapur. Date: 24.02.2018</p>
Calcutta	<p>a) Plant Visit :</p> <p>To Haldia Petrochemicals Ltd, Haldia Plant on 23.08.2017 for Student Members of CRC.</p> <p>b) Lecture</p> <p>On 'Daring to Dream: An Engineering Entrepreneur's Journey' by Ranjan Nandi, Vice President, Richard Design Services, Inc (RDS), USA. Date: 25.08.2017.</p> <p>c) Quiz Competition :</p> <p>The programme was organized for the final year students of Chemical Engineering in the Eastern Region. Date: 10.02.2018</p> <p>d) Student Chapter activities :</p> <p>i) CHEMATHLON-2018, the annual Inter-Institute event, was organized by Student Chapter of Jadavpur University. Date: 10.03.2018.</p> <p>ii) INNOVA-2018 was organized by Student Chapter of Jadavpur University for UG and PG engineering students was organized with participation by different academic institutions from across West Bengal. Date: 10.03.2018</p>
Coimbatore	<p>a) Student Chapter Activities</p> <p>1) Student Chapter Inauguration was held at Coimbatore Institute of Technology. Date: 06.07.2017.</p> <p>2) Intra-department Competition, Quintessence-18', a multi-event competition for students, was organized. Date:12.03.2018.</p>
Chandigarh	<p>a) Student Chapter Activity:</p> <p>Dr. S.S. Bhatnagar UICET, Panjab University</p> <p>l) Workshop:</p> <p>On 'What We Learn with Pleasure, We Never Forget'. Ms. Sapna Kala, an authority on soft skill, conducted the workshop. Date: 28.10.2017.</p>
Guwahati	<p>a) Lectures</p> <p>i) On 'Interpersonal Communication' by Prof Nachiketa Tripathi, IIT, Guwahati. Date: 23.08.2017.</p> <p>ii) On 'Common Mistake Made by Students' by Prof Pallab Ghosh, IIT, Guwahati Date: 04.10.2017</p> <p>iii) On 'Language and Mind: A Handmaid's Tale' by Prof Bidisha Som, IIT, Guwahati. Date: 08.11.2017.</p> <p>iv) On 'Growth of Indian Education System' by Prof Mihir K Purkait, IIT, Guwahati. Date: 10.11.2017.</p> <p>v) On 'Making of a Complete Professional: Some Idea and Useful Tips' by Prof R P Chhabra, IIT, Kanpur. Date: 30.11.2017.</p> <p>b) Industry Visit:</p> <p>To Guwahati Refinery, IOCL</p> <p>c) Grant for Student Projects:</p> <p>A scheme has been introduced for grants to be offered to students of Chemical Engineering for projects. During the referred period, grant of Rs. 5000/- each was given for six projects.</p>

<p>Guntur</p>	<p>a) Industry Consultancy Committee</p> <p>The committee was constituted with members of the Guntur RC to interact with industry and extend possible assistance in solving industrial problems.</p> <p>b) Student Chapter Activities:</p> <p><i>RVR JC College of Engineering, Guntur</i></p> <p>ChECK-2018: Chemical Engineering contest for knockout-2018 was held, which was participate by students from a large number of engineering colleges. Date: 05.01.2018.</p> <p>Industry Visits:</p> <p>i) To JOCIL Ltd, Dokiparru, Guntur. Date: 30.08.2017</p> <p>ii) To Sangam Milk Producer Company Limited (Sangam Dairy), Vadlamudi (V), Guntur. Date: 12.09.2017</p> <p>iii) To KCP Limited Cement Division, Macherla, Guntur Date: 12.12.2017</p> <p>iv) To Sri Dhanalakshmi Group of Industries, Guntur. Date: 30.12.2017</p> <p>v) To JOCIL Ltd., Dokiparru, Guntur. Date: 10.03.2018</p> <p><i>Rajiv Gandhi University of Knowledge Technologies, Nuzvid.</i></p> <p>TECHZITE 2K18:</p> <p>Students from several engineering institutes participated in the tech fest. Date: 23 & 24. 02.2018.</p>
<p>Haldia</p>	<p>a) CHEMCON 2017</p> <p>Haldia Regional Centre organized the Annual Chemical Engineering Congress of IChE, CHEMCON 2017 jointly with the Department of Chemical Engineering, Haldia Institute of Technology, Haldia during 27 – 30 December 2017.</p> <p>b) Grants</p> <p>Grant were given to Haldia Institute of Technology, Haldia towards organization of Tech Fest and Sports, Industry Visit, etc.</p> <p>c) Student's Chapter Activities:</p> <p><i>Haldia Institute of Technology, Haldia</i></p> <p>Industry Visits:</p> <p>i) To Mitsubishi Chemicals Ltd., Haldia. Date: 11.08.2017</p> <p>ii) To Haldia Petrochemicals Ltd., Haldia. Date: 20.04.2018</p> <p>Essay Competition:</p> <p>On 'Ethics in Engineering Education. Date: 31.10.2017.</p> <p>Extempore Competition:</p> <p>Date: 15.03.2018</p>
<p>Hyderabad</p>	<p>a) Felicitation :</p> <p>Senior members of Hyderabad RC, namely, Prof.R. Shyamsunder, IChE Council Member and Principal, OUCT ; Dr Ch Venkateshwarulu, Principal, BVRIT; Dr Vijay Kale, Former Chief Scientist, IICT and the then Chairman, HRC were felicitated for their long years of contribution to the growth of IChE.</p> <p>b) Student Chapter Activities:</p> <p>Osmania University College of Technology:</p> <p>Essay Writing and Quiz Competition were organized. Date: 03.03.2018.</p>

	<p>Jawahar Lal Nehru Technological University, Hyderabad:</p> <p>i) Essay Writing, Elocution and Quiz programs were organized by Student Chapter. Date: 06.02.2018</p> <p>ii) Technical fest 'GENOS 2K18' . Date: 13 & 14.03.2018</p> <p>Jawahar Lal Nehru Technological University, Anantapur:</p> <p>i) Essay Writing, Elocution and Quiz programmes. Date: 24, 25 and 27.01.2018.</p> <p>ii) A National Level Student Symposium on 'Fusion 2K18 Igniting Minds'. Date: 27.03.2018.</p> <p>Osmania University College of Technology (OUCT)</p> <p>i) Smart India Hackathon 2018, a brain storming session of students.</p> <p>ii) Intercollegiate Competition 2018.</p> <p>iii) Techno-cultural fest, Technosmania 2k18. Date: 22 – 24.03.2018.</p> <p>Anurag Group of Institutions (AGI)</p> <p>Industry Visits:</p> <p>i) To Nuclear Fuel Complex. Date: 24.07.2017</p> <p>ii) To Sewage Water Treatment Plant, Hyderabad. .Date:27.10.2017</p> <p>iii) To Prathista Industries Ltd., Hyderabad. Date: 18.08.2017</p>
Jaipur	<p>a) Student Chapter Activity:</p> <p>MNIT, Jaipur</p> <p>Interactive Session:</p> <p>The programme was organized by Jaipur RC and Students Chapter at MNIT to introduce students about activities of IChE and to motivate them for taking student membership in September 2017.</p>
Kanpur	<p>Student Chapter Activity:</p> <p>University Institute of Engineering & Technology CSJMU University, Kanpur</p> <p>i) Engineers' Day was celebrated. Date: 15.09.2017.</p> <p>ii) ChemWizz, a quiz contest followed by technical presentations, was organized. More than 40 students participated. The winner teams were awarded cash prize, medal and certificates. :</p>
Kharagpur	<p>a) Felicitation:</p> <p>Prof Sirshendu De and Bhim Chandra Meikap, both faculty members of IIT, Kharagpur and senior member of Kharagpur RC, were felicitated along with a few Research Scholars for winning various awards from IChE at CHEMCON 2017. Date: 22.03.18</p>
Kochi	<p>a) Quiz contest</p> <p>All Kerala Chemical Chemical Engineering Quiz was organized, in which five engineering colleges participated. Cash prizes were given away to winner teams.</p> <p>b) Student Chapter Activity:</p> <p>NIT Calicut</p> <p>Chemical Engineering Quiz was conducted as part of the TECHFEST. Date: 14.10.2017.</p>
Lote-Parasuram	<p>a) Essay Competition:</p> <p>The event was organized for students of Nutan Vidyalaya, Lote.</p>

Lucknow	<p>Student Chapter Activity: <i>Institute of Engineering & Technology, Lucknow.</i></p> <p>1) Alchemy-2017, a programme of sports / technical events was organized. .</p>
Mangalore	<p>a) Industry Visit To OMPL Mangalore and Dakshin Kannada Co-operative Milk Mangalore. Date: 23.03.2018.</p> <p>b) Student Chapter Activities <i>Manipal Insatitute of Technology, Mahe.</i> As part of CHEMIGNITE 2K17, Dr P K Karanth Memorial Quiz competition was held. Date: 20.10.17. <i>NITK, Surathkal</i> A visit was organized to the plant of BASF. Date: 27.01.2018</p>
Mumbai	<p>a) Prof. N R Kamath Memorial Chemical Engineering Quiz (ChEQ) The programme was held in collaboration with the Dept. of Chemical Engineering, Mukesh Patel School of Technology Management & Engineering, NMIMS College. A total of 14 teams participated. A total of 36 teams made their presentations. Over 100 people attended the programme. Date: 03.04.2018.</p> <p>b) OYCE 2018 : 14th Outstanding Young Chemical Engineer Contest, the flagship annual event of the Mumbai RC, was held at Institute of Technology, Mumbai for under -graduate and graduate students of Chemical Engineering. Date: 24.03.2018.</p> <p>c) Industry Visit : To RCF plant at Thal. Date: 04 & 05.11..2017.</p> <p>d) Student Chapter Activities: <i>Shivaji Rao Jondhale College, Thane</i> i) Industry-Institute interaction was organized. Date: 14.10.17 <i>DJ Sanghvi College of Engineering, Mumbai</i> i) Industry-Institute interaction was organized. Date: 12.09.2017</p>
Northern	<p>a) Plant Visit: To the distillery and chemical plant of Daurala Sugar Works, Meerut.. Date: 17.02.2018.</p>
Pune	<p>a) Lectures i) On 'Post Graduate Study in Germany' by Ms Anuja Mule Consultant for Higher Education in Germany. Date: 04.10.2017. ii. On 'Opportunities in UK and Abroad' by Dr V V Ranade, Dean & Director, Queens Belfast University University, UK.The lecture was organized in association with AISSMS. Date: 12.07.2017</p> <p>b) Student Chapter Activities: <i>Dr D Y Patil Institute of Engineering,Management and Research, Pune,</i> i) Chemsphotak-2018 The objective of the event was to help students learn management skills, independent functioning, team work and healthy competition. Date: 10.01.2018.</p>

	<p>ii) Lectures:</p> <p>On 'Present Scenario of Chemical Engineering' by Mr Pramod Deshmukh, Asian Academy, Pune.</p> <p>On 'The Importance of GATE Examination in the Present Scenario Keeping Higher Studies and PSUs in Mind' by Mr Harishankar, Gateway Institute, Pune.</p> <p>Vishwakarma Institute of Technology, Pune</p> <p>i) Workshop:</p> <p>On Pumps. Mr. Pankaj Khandelwal, Consultant, Piping Engineering, was the resource person.</p> <p>ii) Lectures:</p> <p>On 'Gate Examination' by Dr Makmarand Upkare. Date: 02.11.2017.</p> <p>On 'Chemical Engineering Careers' by Mr Narendra Thatte..Date: 16.11.2017.</p> <p>MIT Academy of Engineering AOE, Pune</p> <p>i) Conference :</p> <p>'PRAKALP-2017', a national level conference, was organized. Date: 08 & 09.09.2017.</p> <p>ii) Competition</p> <p>On Industry Defined Problem Solution, conducted by Mr. Sunny Verma and Ms. Shubhangi, Chemsys Engineering, Pune. Date: 18.08.2017.</p> <p>iii) Workshop:</p> <p>On 'Process Engineering Using Software Applications', conducted by Mr. Rachit Jain and Ms. Anchal Soni, Neon Infotech, Indore.. Date: 16 & 17.09.2017.</p> <p>iv) Lectures:</p> <p>i) On 'Opportunities ahead for Chemical Engineers' by Mr Shrikant Borwankar, Sarada Petrochemicals, Saudi Arabia. Date: 28.08.2017.</p> <p>ii) On 'Power of Habbits' by Mr Manjunath Jadhav, Innovation Head, GYST, Pune. Date: 09.04.2018.</p> <p>iii) On 'IPR Awareness' by Mr Avinash Thakur (IPR Consultant, Pune). Date: 03.05.2018</p> <p>v) Industry Visits:</p> <p>To various plants were organized by Pune RC; MIT AOE, Alandi; VIT; D. Y. Patil CE; AISSMS; and Pravara Rural Engineering College, Loni during the period.</p>
<p>Rourkela</p>	<p>a) Student Chapter Activity:</p> <p>NIT, Rourkela</p> <p>SCHEMCON-2017: The 13th Annual Session of the Student Chemical Engineering Congress was organized under the aegis of Rourkela Regional Centre. Date: 07 & 08.10.2017.</p>
<p>Trivandrum</p>	<p>a) Award Ceremony:</p> <p>The annual IChE-CGG Panicker Gold Medal and IChE-Mr Kurup Gold Medal were presented to top rank holding students in B.Tech, Chemical Engineering and B.Tech, Biotechnology and Biochemical Engineering students from TKM College of Engineering, Kollam and Mohandas College of Engineering & Technology, Trivandrum, respectively. Date: 24.03.2018</p>

The lists of Executive Committee Members for July 2018 - June 2019 as received from the respective Regional Centres are presented below:

Ahmedabad Regional Centre

Chairman : Dr Sachin Parikh, **Honorary Regional Secretary:** Dr N M Patel, **Honorary Regional Treasurer:** Prof S R Shah, **Members:** Prof C G Bhagchandani, Prof A P Vyas, Prof Rupande Desai, Sri Ashish Soparkar, Dr N N Mahapatra, Prof Ronak Patel, Sri Mayanbhai Parikh, Sri Hemalbhai Sheth & Sri R V Patel

Ankleshwar Regional Centre

Chairman : Mr A K Sahni, **Vice-Chairman :** Mr S I Thakar, Mr B D Dalwadi, Mr Himanshu Gondalia, & Mr A K Jain, **Honorary Regional Secretary:** Mr R R Khandpur, **Honorary Regional Jt Secretary- Dahej :** Mr Shantanu Das, **Jt Secretary-Ankleshwar:** Mr Sunil Motiramani, **Jt Secretary – Bharuch:** Mr A I Shaikh, **Honorary Regional Treasurer :** Mr Snehal Tralsawala, **Members:** Mr P G Dave, Prof S J Wagh, Mr N B Saraiya, Mr M I Shamsi, Mr B J Patel, Mr R S Senjalia, Mr Ganesh R Sharma, Mr Dinesh Patel, Mr Shashi Shekhar, Mr Anupam Kansal, Mr Rilesh Mehta, Mr P B Shah & Satyan Pandya, **Co-opted Member:** Prof Dr Parimal A Parikh, Mr Manoj Kamalia, Mr A K Jain, Mr K H Pandit, Mr Nitin Patel Immediate Past Chairman : Mr D M Gandhi

Annamalai-Neyveli Regional Centre

Chairman: Dr P Mullai, **Vice-Chairman:** Dr K Manikandan, **Honorary Regional Secretary:** Dr S Anhuradha **Honorary Regional Jt. Secretary :** Mr B Karunakaran, **Honorary Regional Treasurer :** Dr S Arrivukkarasan **Ex-officio:** Dr P Nagarajan **Members:** Dr V Vijayagopal, Dr V Saravanan, Dr R Sangeetha, Dr R Palaniraj, Dr R Jayakumar, Dr K Rathinakumaran & Dr K Muthu **Co-opted:** Dr M Karuppaiya & Dr P Saravanan

Bangalore Regional Centre

Chairman : Dr V Venkatesham, **Vice-Chairman :** Dr R Suresh, **Honorary Regional Secretary :** Mr K A Badarinarayana, **Honorary Regional Jt Secretary :** Mr G K Mahadevaraju, **Honorary Regional Treasurer :** Mr G Kishore Kumar **Members :** Dr, **Co-opted Member:** Mr H N Pradeep, Dr Brijesh & Dr Anand B Halgeri, **Ex-officio Member:** Dr G M Madhu

Baroda Regional Centre

Chairman: Mr D Chakraborty, **Vice-Chairman:** Mr R K Desai, **Joint Vice-Chairman:** Mr S Sridhar, **Honorary Regional Secretary :** Mr Nikhil Tonapi, **Honorary Regional Jt Secretary:** Mr Kisalay Kumar, **Honorary Regional Treasurer:** Prof N M Surana, **Members:** Mr S Sarkar, Mr Nitin Bhate, Mr Brijesh Trivedi, Mr Manish Shah, Mr Nikunj Parekh, Mr Nikunj Jain, Mr Manan Joshi, Mr Shahbuddin, Mr Kartikeya Sharma, Mr Vipul Mehta, Bhavin Shah & Mr Mehul Patel

Bhubaneshwar Regional Centre

Chairman : Dr S K Tamotia, **Vice-Chairman :** Dr P C Rath, **Honorary Regional Secretary :** Dr M K Ghosh, **Honorary Regional Jt. Secretary :** Mr Santosh Deb Barma, **Honorary Regional Treasurer :** Ms Binapani Behera, **Members :** Prof G K Roy, Dr S K Biswal, Dr K Sarveswara Rao, Mr Kashinath Barik & Mr Bibek Dash **Ex-officio :** Mr J Rath & Dr Swagat S Rath

Calcutta Regional Centre

Chairman: Prof Chiranjib Bhattacharjee, **Vice-Chairman:** Mr Sushanta Kumar Roy, **Honorary Regional Secretary :** Mr Abhijit Mitra, **Honorary Regional Jt Secretary :** Prof Ashit Mazumder, **Honorary Regional Treasurer :** Dr Avjit Ghosh, **Members:** Prof B N Srimani, Mr K K Das, Prof Amalesh Sirkar, Prof Priyabrata Sarkar, Prof Sudip Kr Das, Dr Sangita Bhattacharjee

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Coimbatore Regional Centre

Chairman : Dr T Kannadasan, **Vice-Chairman :** Dr D Prabhakaran, **Honorary Regional Secretary:** Mr P Sivakumar, **Honorary Regional Jt Secretary:** Mr G Gnanavel, **Honorary Regional Treasurer :** Mr A Vivek Joe Bharath, **Members:** Dr M Thirumarimurugan, Dr V M Sivakumar, Dr K Kannan, Mr S Ramachandran, Ms V P Mohanjeayavalli, Prof K Senthilkumar, Mr S Mothil, Mt T Sivakumar, Ms Nisha Subash

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Chairman : Mr Sharanan Chaudhuri, **Vice-Chairman :** Mr Prafulla Kumar Patra. **Honorary Regional Secretary :** Mr N Murali Sridhar, **Honorary Regional Joint Secretary:** Mr Dillip Kumar Sahoo, **Honorary Regional Treasurer :** Mr B Viinod Kumar, **Members:** Mr R S Dharman, Dr Ashalata Gantayat, Mr Prabhat Sahoo, Mr Sudhir Kumar Sahu, Mr Sk Md Ali

Doaba Regional Centre

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Goa Regional Centre

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Guwahati Regional Centre

Chairman : Prof B P Mandal, **Vice-Chairman :** Prof Anugrah Singh, **Honorary Regional Secretary:** Dr Prakash Kotecha, **Honorary Regional Jt Secretary :** Dr Anki Reddy Katha, **Honorary Regional Treasurer :** Dr Subrata K Majumdar, **Members:** Prof Pallab Ghosh, Dr Mihir K Purkait, Dr Tapas K Mandal, Dr Ashok K Dasmahapatra, Dr Amit Kumar, Dr Pankaj Tiwari, Dr Raghvendra Gupta, Dr Anadalakshmi R & Dr Venkatesh R Prasanna

Guntur Regional Centre

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Kochi Regional Centre

Chairman: Mr Sajo K F, **Vice Chairman:** Mr Manoj N, **Honorary Regional Secretary:** Mr Koya Venkata Reddy, **Honorary Regional Jt Secretary:** Mr T Chandramohan, **Honorary Regional Treasurer:** Mr V Venkatesan, **Honorary Regional Jt Treasurer:** Mr V Karunakaran

Lote-Parasuram Regional Centre

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Lucknow Regional Centre

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Members : Er P N Tandon, Er Rajat Mehra, Er Ranvir Singh, Dr B N Mishra, Dr G N Garg, Dr A S Vidyarthi, Dr Sushil Kumar, Dr I D Mall, Er Ram Pravesh Ram & Er Suresh Kumar Patel

Mangalore Regional Centre

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Mumbai Regional Centre

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Nagpur Regional Centre

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Northern Regional Centre

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Pilani Regional Centre:

Chairman : Dr Suresh Gupta, **Vice-Chairman:** Mr Amit Jain, **Honorary Regional Secretary:** Dr Ajaya Pani, **Honorary Regional Jt Secretary:** Dr Smita Raghuvanshi, **Honorary Regional Treasurer:** Dr Srinivas Appari, **Members :** Dr H K Mohanta, Dr Arvind Kumar Sharma, Dr Pratik N Sheth, Dr Pradipta Chattopadhyay, Dr Banasri Roy & Dr Priya C Sande

Pune Regional Centre

Chairman: Dr Sanjay Kamble, **Honorary Regional Secretary:** Dr Suyogkumar Vijay Taralkar, **Honorary Regional Treasurer:** Dr Prafulla L Garge, **Members:** Dr Subhash Hari Vaidya, Er Prakash Patil, Mr Alok Pandit, Dr Vinay Bhandari, Dr C V Rode, Prof Dr Manik Deosarkar, Prof Somnath Nandi & Prof J D Bapat

Rourkela Regional Centre

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Trivandrum Regional Centre

Chairman: Mr C R Thomas, **Vice-Chairman:** Mr Venugopal S, **Honorary Regional Secretary:**Mr Praveen Kumar Solasa, **Honorary Regional Joint Secretary:** Mr S Somanathan, **Honorary Regional Treasurer:** Mr Rajesh E K, **Members:** Prof S Alwan, Dr Ajit Haridas, Dr K B Radhakrishnan, Dr P P Thomas, Mr E Senthil Kumar. Mr Alok Kumar Patel, Mohamed Sadhik, Mr Lakshman Yalisala, Mr Abdul Haleem, Mr Kiran Kumar & Mr P Binuraj

Vapi Regional Centre

Chairman: Dr Hiten M Bhatt ,**Vice-Chairman :** Mr Maulik J Desai, **Honorary Regional Secretary :** Mr S S Pokale, **Honorary Regional Jt Secretary :** Dr H M Hirpara, **Honorary Regional Treasurer :** Mr Vinod S Kashalikar, **Immediate Past President:** Mr Rameshchandra N Prajapati , **Members :** Mr Arun Kootale, Mr Devidas K Khubchandani, Mr Jagdish U Parmar, Mr J R Shah, Mr Has Mukh K Doshi, Mr Kirit Shah, Mr Piyush Joshi, Mr Vijay Chhajed, Mr Shashidhar Gosi & Mr Uday R Marballi

Waltair Regional Centre:

Chairman: Dr A Srinivasa Rao, **Vice Chairman:**Mr E Esakki Ramkumar, **Honorary Regional Secretary:** Dr S V Naidu, **Honorary Regional Jt Secretary:** Dr G M J Raju, **Honorary Regional Treasurer:** Dr N Chitti Babu, **Members:** Dr P King, Prof K V Rao, Dr R Padma Sree, Dr Bokam Demudu, Dr M S N Murty

We are unable to publish lists of EC Members from i) Dehradun, ii) Kalpakkam, iii) Nadiad, iv) Pondicherry due to their non-availability

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 highly appreciates the sincere work and utmost cooperation received from the members of the staff of the Institute. The Council is also indebted to all the donors, sponsors and well wishers for wholeheartedly supporting activities of the Institute.

Honorary Secretary
Sudip K. Das

Statement of Accounts

For the Year Ended 31st March, 2018

Indian Institute of Chemical Engineers

AUDITORS REPORT

To
The Honorary Secretary
Indian Institute of Chemical Engineers.
Kolkata – 700032

Report on the Financial Statements

1. We have audited the accompanying financial statements of INDIAN INSTITUTE OF CHEMICAL ENGINEERS ('the Institute'), which comprise the Balance sheet as at 31st March, 2018, the statement of Income & Expenditure Account for the year ended on that date and a summary of significant accounting policies and other explanatory information of HEAD QUARTER and other REGIONAL CENTRES & STUDENT CHAPTERS audited by others. The financial statement has been prepared by management of INDIAN INSTITUTE OF CHEMICAL ENGINEERS and it is maintained in electronic form.

Management's Responsibility for the financial Statements

2. The management is responsible for the preparation and presentation of these financial statements that give a true and fair view of financial position and financial performance of the Institute in accordance with the accounting principles generally accepted in India. This responsibility also includes maintenance of adequate accounting records in accordance with accounting convention for safeguarding the assets of the Institute and for preventing and detecting frauds and other irregularities, selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and the design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditors Responsibility

- 3.1. Our responsibility is to express an opinion on these financial statements based on our audit. We have taken into account the provisions of the accounting and auditing standards and matters which are required to be included in the audit report under the provisions of the relevant act and rules made there under.
- 3.2. We conducted our audit in accordance with the Standards on Auditing, issued by The Institute Of Chartered Accounts of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.
- 3.3. An audit involves performing procedures to obtain audit evidence about the amounts and the disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal financial control relevant to the Institute's preparation of the financial statement that gives a true and fair view in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on whether the Institute has in place an adequate internal financial controls system over financial reporting and the operating effectiveness of such controls. An audit also includes evaluating the appropriateness of the accounting policies used and the reasonableness of the accounting estimates made by the Institute's management, as well as evaluating the overall presentation of the financial statements.
- 3.4. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the financial statements of the Institute.

Opinion

4. In our Opinion & to the best of our information and according to explanations given to us, the said financial statements read together with the notes thereon and Statement of Significant Accounting Policies gives the information required by the members in the manner so required & give a true & fair view in conformity with the Accounting Principles generally accepted in India,
 - i) In the case of consolidated Balance Sheet, of the state of affairs of the Institute as at 31st March, 2018; and
 - ii) In the case of Consolidated Income and Expenditure Account, surplus of the Institute as at 31st March 2018.

Contd.....

Emphasis on the Matter

Without qualifying our opinion, we draw attention to the following matters ::

5. Suspense accounts amounting to Rs. 23,50,544.25 representing the defalcation occurred pertaining to year 1991-92
6. Accumulated Balance of Income Tax deduction at source, aggregating Rs. 105,65,667/= shown as good, the recoverability of which is very much doubtful as the documents for claiming TDS are not available.
7. Institution is currently registered under section 12A of the Income Tax Act, 1961. CBDT has rejected the application for renewal of registration under section 35(1)(ii) of the Income Tax Act, 1961 and the matter is still subject matter of dispute under the income tax law, inter alia, there is a demand of Rs. 32,23,096 raised by the AO, Kolkata for the assessment year 2009-10, against which the institute has preferred an appeal before CIT(A)-XIV. We refer note no. 2(a)(ii) of Annexure H.
8. We observed that consolidated financial statements have been prepared in electronic form and such consolidation of different accounts of RCs and Student Chapters have been verified on sample basis.
9. Fixed Assets and Investments, belongs to RCs and Student Chapters have not physically verified by us.
10. We observed in the accounts regarding non submission of Audited Accounts of the Regional Centres as stated in Annexure H, "Notes on Accounts" and we are unable to express our opinion on the effect of non incorporation of said accounts in the Income & Expenditure and on the Balance Sheet of the Institute.
11. Loans and Advances of Rs. 116,17,531/- includes amount receivable and considered good of Rs. 50,24,433/- in the audited account of SEMINAR BOMBAY remains receivable since the financial year 2011-12. We are not in a position to comment on the recoverability of the same.

For N.CHATTERJEE & ASSOCIATES
Chartered Accountants
Kolkata-700001

(N.Chattopadhyay)
Proprietor
Membership No. 053249
FRN 317106E

Date-25/09/2018