

Annual Report  
2014-15  
(April 1, 2014 to March 31, 2015)



Indian Institute of Chemical Engineers

## List of Council Members for 2014 & 2015

2014	Designation	2015
Prof Ch V Ramachandra Murthy, Department of Chemical Engineering, Andhra University, Waltair, Visakhapatnam 530 003, [O] (0891) 2754871 Extn.496, [R] (0891) 2504520, [Mobile] (0)94403 89136, prof.chvrmurthy@sify.com	President	Mr G V Sethuraman, Director, Enfab Industries Pvt. Ltd., C-2, Shantinivas, Mettuguda, Secunderabad – 500 017, Andhra Pradesh, [O] (040) 2782-4343, 2782-0010/2782-3073, [R] (040) 2733-4321/5363, [Mobile] 9849028854, enfab@satyam.net.in
Prof V K Rattan, Chairman, Dept of Chemical Engineering & Tech., Panjab University, Chandigarh – 160 014, [O] (0172) 2534919, 2534940, [R] (0172) 2771498, [Mobile] (0)9815334198, vkrattan@pu.ac.in	Immediate Past President	Prof Ch V Ramachandra Murthy, Department of Chemical Engineering, Andhra University, Waltair, Visakhapatnam 530 003, [O] (0891) 2754871 Extn.496, [R] (0891) 2504520, [Mobile] (0)94403 89136, prof.chvrmurthy@sify.com
Dr M K Jha, Professor, Department of Chemical Engineering and Dean, Academics, National Institute of Technology, Jalandhar 144 011, Punjab [Mobile] (0)9417290668, (0)8283937139, jhamk@nitj.ac.in	Vice Presidents	Mr D M Butala, 5, Mohak, B/h. Manisha Society, Behind Raja's Lavkush, Bungalow, Near Upendra Bhatt's Bungalow, Syed Vasana Road, Baroda 390 015, [R] (0265) 225-3977, [Mobile] (0)9979853514, dmbutala27@yahoo.com
Mr M P Jain, Scientific Officer/G and Head, F.E.S., Room No. 18, FTD, Bhabha Atomic Research Centre, Trombay, Mumbai-400085, [Mobile] (0)9867262250, mpjain2000@yahoo.com		Prof V V Basava Rao, Plot No: 184, Tirumala Nagar Colony, Meerpet (V), Moula-Ali Housing Board, Hyderabad - 500 040, Telangana State, [O] (040) 27098901 Ext:244/210, [R] (040)27427014, [Mobile] (0)9989156705, drbasavarao@yahoo.com
Dr Sudip K Das, Chemical Engineering Department, University of Calcutta, 92 A P C Ray Road, Kolkata – 700 009, [O] (033) 2350-8386, [R] (033) 2566-7650, [Mobile] (0)9830638908, drsudipkdas@vsnl.net	Honorary Secretary	Prof P De, Chemical Engineering Department, University of Calcutta, 92, A P C Road, Kolkata – 700 009, [R] (033) 2511-1332 [Mobile] (0)9433010927, pargameswar_de@rediffmail.com
Prof V V Basava Rao, 2-2-3/B/2/A, Flat No. 201, Tirumala Nivas, Durgabai, Desmukh Colony, Bagh Amberpet, Hyderabad 500 007, [O] (040) 27098901 Ext:244/210, [R] (040)27427014, [Mobile] (0)9989156705, drbasavarao@yahoo.com	Honorary Joint Secretary	Dr (Mrs) Alpana Mahapatra, Professor & Former Head, Chemical Engineering Department, D. J. Sanghvi College of Engineering, U-15, JVPD Scheme, B.S. Marg, Vile Parle (W), Mumbai 400056, Maharashtra, [M] (0)9920832421, alpana1mahapatra@gmail.com
Mr Smarajit Das, K-467, New Alipur, Kolkata 700 053, [R] (033) 2400-0771 [Mobile] (0)9836173054, smarajitd@hotmail.com up to 23 <sup>rd</sup> February 2014 and Dr Swami Vedjananda, AL-133, Sector-II, Salt Lake City, Kolkata-700 091, [Mobile] (0)9831569865, swv_che@yahoo.com from 24 <sup>th</sup> Feb'14 onward	Honorary Treasurer	Mr Dipak Dutta, Managing Director, Oster Chemical & Pharmaceutical Works Pvt Ltd., 124/4A, Manicktola Street, Kolkata 700 006, [R] (033) 2571-1052/7294, [Mobile] 9433161735, osterchem@gmail.com
Dr Anil Kumar Saroha, Associate Professor, Dept of Chemical Engineering, Indian Institute of Technology, Delhi, Hauz Khas, New Delhi 110 016, [O] (011) 2659-1032, [R] (011) 2659-1661, [Mobile] (0)9871360500, aksaroha@chemical.iitd.ac.in	Honorary Editor	Dr Anil Kumar Saroha, Associate Professor, Dept of Chemical Engineering, Indian Institute of Technology, Delhi, Hauz Khas, New Delhi 110 016, [O] (011) 2659-1032, [R] (011) 2659-1661, [Mobile] (0)9871360500, aksaroha@chemical.iitd.ac.in
Dr T Kannadasan, Professor & Head, Dept of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore 641 014, [O] (0422) 2574071, [R] (0422) 2575555, [Mobile] (0)9894100454, tkannadasan56@yahoo.com	Controller of Examinations	Dr C Karthikeyan, Department of Technology, Annamalai University, Annamalaiagar 608 002, [Mobile] (0)9865356561, drcktech@rediffmail.com
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Prof (Dr) S C Naik, (Former Dean & HOD, Chem Engg Dept, NIT, Rourkela), Shimilaya, X-15, Civil Township, Rourkela – 769 004, Odisha, [Mobile] (0)9437049747, rkl_snaik@sancharnet.in	Member	Mr K Sahasranaman, Vice President (Engineering), ThyssenKrupp Industrial Solutions (India) Pvt. Ltd., Dugal Plaza, Prem Nagar, Bibwewadi Road, Off. Pune - Satara Road, Pune - 411 037, [O] (022) 66081135 (Direct), [R] (022) 2561-0272, [Mobile] (0)9820495800, k.sahasranaman@gmail.com
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Mr D M Butala, 5, Mohak, B/h. Manisha Society, Behind Raja's Lavkush, Bungalow, Near Upendra Bhatt's Bungalow, Syed Vasana Road, Baroda 390 015, [R] (0265) 225-3977, [Mobile] (0)9979853514, dmbutala27@yahoo.com	Member	Dr Subhash Hari Vaidya, 1/25/10, Akar Bungalow, Deepjyoti Colony, Karvenagar, Pune 411 052, [M] (0)9423013835, subhash_vaidya@yahoo.co.in
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Prof G A Shareef, Head, Dept of Chemical Engineering, M S Ramaya Institute of Technology, P.O. M S R I T, Bangalore 560 054, [Mobile] (0)9448087556, (0)7259848001, musnag6@yahoo.com	Member	Dr (Mrs) Radharani Das, Professor, Department of Chem Engg., Haldia Institute of Technology, Haldia 721 657, Residence: Faculty Qtr : B-05 , HIT Campus, Haldia 721 657, [O] (03224) 255009, [Mobile] (0)9434453157, radha.das6@gmail.com
Prof S V Satyanarayana, Department of Chemical Engineering, JNTUA College of Engineering, Anantapuram Dist., Andhra Pradesh – 515002, [M] (0)9849509167, svsatya7@gmail.com	Member	Mr C P Ramulu, Senior Principal Scientist, Chemical Engineering Sciences, CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad - 500 007, [Mobile] (0) 9700154404, cpramulu@gmail.com
Mr Shyam Bang, M-63, Greater Kailash-II, New Delhi 110 048, [Mobile] (0)9810106660, shyam_bang@jubl.com	Member	Dr M Venkateswara Rao, Professor & Head, Department of Chemical Engineering, Dean, Examinations, RVR & JC College of Engineering (Autonomous), Chowdavaram, Guntur-522 019, Andhra Pradesh, [O] (0)9491073317 & 18, [R] (0863) 235-3678, [Mobile] (0)9440010190, mvraro79@gmail.com
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Mr K Raghu Babu, A-3, Vile Royal Prince Apartment, Opp. Vuda Children Theatre, Siripuram, Visakhapatnam 530 003, [M] (0)9581145333, draghualways@yahoo.co.in	Member	Special Invitee - Prof V K Rattan, Chairman, Dept of Chemical Engineering & Tech., Panjab University, Chandigarh – 160 014, [O] (0172) 2534919, 2534940, [R] (0172) 2771498, [Mobile] (0)9815334198, vkrattan@pu.ac.in

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

**Annual Report for 2014-2015**

**1.0 Introduction**

The report covers the major activities of the Institute during the period 1 April 2014 to 31 March 2015.

**2.0 67<sup>th</sup> Annual Session and CHEMCON 2014**

The 67<sup>th</sup> Annual Session of the Indian Institute of Chemical Engineers (IChE) and the Indian Chemical Engineering Congress (CHEMCON) 2014, organized by the Chandigarh Regional Centre of IChE in collaboration with Dr SSB University Institute of Chemical Engineering & Technology, was held during 27-30 December 2014 at Panjab University, Chandigarh. The theme of the CHEMCON was 'Chemical Engineering - Emerging Dimensions and Challenges Ahead', focused on providing a forum for substantial discussion on the emerging technologies and methodologies being developed to overcome the challenges. This event brought together the academic R & D institutions from India and abroad (USA, Canada, South Africa and Japan) industrialists, consultants and environmentalist. The congress was attended by about 1000 delegates from across the country and abroad.

The Congress was inaugurated by Hon'ble Vice President of India Shri M Hamid Ansari, in presence of Governor of Punjab - Shri Shivraj V Patil, Governor of Haryana - Prof Kaptan Singh Solanki, Industry & Commerce Minister, Punjab - Shri Madan Mohan Mittal, the Guests of Honour. Shri Ansari highlighted the challenges in imparting the technical education in the country. He reiterated, outdated syllabus, lack of faculty and poor infrastructure were problems planning the higher education system. Quoting a report of the planning commission, he informed that in terms of volume India is third largest producer of Chemicals in Asia. Despite its large size, and significant GDP contribution, Indian Chemical Industry represents only about 3% of Global Chemicals. He also highlighted the relevance of Chemical Engineering in Scientific advances in other related diverse fields. The program began with lighting the lamp. Panjab University, Vice Chancellor Prof Arun K Grover in his address said that scientific meetings like CHEMCON provide the avenues to sustain and improve its competitiveness among the various national and international institutions. He stressed for more Industry – Institute Interaction and collaborations with other research groups. President IChE, Prof Ch V Ramachandra Murthy, in his Presidential address, remarked that the depletion of fossil fuels shows the need for the development of alternate energy sources and chemical engineering plays important role for developing these technologies. He discussed the developing technologies for the production of PROM. He stressed upon the importance of the sustainable development and called upon the engineers to work for that goal.

Chairman, National Organising Committee, Prof G D Yadav, briefed about IChE and its activities. Chairman, Local Organising Committee, Prof S K Sharma, welcomed the guests. Prof V K Rattan Organizing Secretary purposed the vote of thanks. He thanked the Chief Guest, Guest of honors' for sparing their time to be present on the main inaugural session. He also thanked the delegates, sponsors, Alumni, media, staff and other dignitaries for providing full cooperation for Smooth conduct of the CHEMCON 2014. Prof V V Basava Rao, Joint Honorary Secretary, IChE, read out the Presentation of Awards.

28<sup>th</sup> December 2014 was observed as the Dhirubhai Ambani Commemoration Day on the occasion of his 82<sup>nd</sup> Birth Anniversary and Dhirubhai Ambani Oration titled "Achieving longevity, prosperities and peace: Role of Chemical and Allied Industries" was delivered by Prof G D Yadav, Past President IChE & Vice Chancellor, Institute of Chemical Technology, Mumbai.

**Indo-Japanese Joint International Conference**

Indo-Japanese Joint Symposium on "Separation Technology for Green Environment" was inaugurated by the Minister of Industry and Commerce, Punjab - Shri Madan Mohan Mittal. He described Japan as India's friend and urged scientists to strengthen the "Make in India" campaign. Indo-Japanese Joint Symposium was organised by IChE, Chandigarh Regional Centre in collaboration with Society of Separation Process Engineers, Japan (SSPEJ). A delegation of 10 Japanese Scientists, who participated were facilitated by the Minister.

**Award Presentation**

The IChE Awards for 2014 were presented on December 27, 2014 during the inaugural programme. The Dr B P Godrej Life Time Achievement Award was conferred upon Mr K Venkataramanan, Past President and CEO & MD, Larsen & Toubro Limited, Mumbai, for his exemplary services to the Profession of Chemical Engineering, both academia and Industry in the country.

Following is the list of IChE Awards and their recipients for 2014. The awards were presented at CHEMCON 2014, held during December 27 – 30, 2014 at Panjab University, Chandigarh, in recognition of eminence and excellence in various sphere of chemical engineering profession:

- **Dr B P Godrej Life Time Achievement Award for Serving the Profession of Chemical Engineering Technology and Industry**  
Mr K Venkataramanan, Past President and CEO & MD, Larsen & Toubro Limited, Mumbai

#### National Awards

- **Amar-Dye-Chem Award for Excellence in Research and Development for Chemical Engineers below the Age of 35 Years**  
Dr A Seshagiri Rao, Associate Professor, Chemical Engineering, NIT, Warangal
- **Hindustan Dorr-Oliver Award For Excellence in Use of Science & Technology in Rural Development**  
Dr A Gangagni Rao, Senior Principal Scientist (BEES), CSIR, ICT, Hyderabad

#### CHEMCON Distinguished Speaker (CDS) Awards

A total of 14 Chemcon Distinguished Speakers (CDS) lectures, listed below, were delivered during the 4-day event:

- **Ashland Padmavibhushan (formerly BetzDearborn) Prof C N R Rao Medal and Chemcon Distinguished Speaker Award (for an outstanding scientist who is for INSA Fellows or Bhatnagar Prize Winners or Fellows of Foreign Academies)**  
Prof K N Ganesh, Director, Indian Institute of Science, Education and Research, Pune
- **RPG Life Science Padma Vibhushan Prof M M Sharma Medal and Chemcon Distinguished Speaker Award (for INSA Fellows or Bhatnagar Prize Winners or Fellows of Foreign Academies)**  
Prof Sourav Pal, Director, National Chemical Laboratory, Pune
- **Asian Paints Padma Bibhushan Dr R A Mashelkar Medal and Chemcon Distinguished Speaker Award (for leadership in Science, Technology and Education)**  
Dr Murali Sastry, Director, DSM India Innovation Centre- Gurgaon/Pune
- **Deepak Group's Padma Bhushan Prof L K Doraiswamy Chemcon Distinguished Speaker Award**  
Prof Katsumi Tochigi, Emeritus Professor of Nihon University, Japan
- **Chemical Weekly's Padmasri Dr G P Kane Chemcon Distinguished Speaker Award**  
Professor Yen Wah Tong, Dept of Chemical and Biomolecular Engineering, National University of Singapore
- **Hetero Drugs Prof G S Laddha Chemcon Distinguished Speaker Award**  
Dr L M Manocha, Professor of Materials Science & Nanomaterials, & Centre for Advanced Studies in Carbon and Nanomaterials, Sardar Patel University, Vallabh Vidyanagar, India
- **IIC-CT- Avon Padmashri Dr G S Sidhu Chemcon Distinguished Speaker Award**  
Mr Ravinder Sierra, MD, Hurshan Corp, Canada
- **Sartorius India Chemcon Distinguished Speaker Award (for biotechnology)**  
Prof D Mukesh, Department of Biotechnology, IIT-Madras
- **United Phosphorus Chemcon Distinguished Speaker Award**  
Dr Sarma Pisupati, Professor and Chair of the Energy Engineering Program, Director of Online Education, John and Willie Leone Family Department of Energy and Mineral Engineering, Co-Director, Coal Science and Technology Program, EMS Energy Institute, 126B Hosler Building, Penn State University, University Park PA 16802
- **Hikal's Chemcon Distinguished Speaker Award**  
Prof Tomoya Tsuji, Professor of Nihon University, Japan
- **CSMCRI Chemcon Distinguished Speaker Award**  
Prof S S Bhagwat, Head Department of Chemical Engineering, ICT, Mumbai-400019
- **CLRI Dr Y Nayudamma Chemcon Distinguished Speaker Award**  
Dr Raj Sardesai, IPR Consultant, USA
- **DOST Professor S K Sharma Medal and Chemcon Distinguished Speaker Award**  
Mr Praveen Saxena, Director and CEO, Blast Carbo Pvt. Ltd.
- **CHEMCON NEERI Distinguished Speaker Award**  
Prof Izumi Hirasawa, Professor of Waseda University, Japan

#### Other Awards

- **Dr A V Rama Rao Foundation's Best Ph D Thesis Award**  
Jointly awarded to Dr Jignasa N Solanki, Assistant Professor, Chemical Engineering, SVNIT, Surat, and his Research Guide, Dr Z V P Murthy, S V National Institute of Technology, Surat, Gujarat
- **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)**  
1<sup>st</sup> Prize  
Ms Sayli Devdas Bote, ICT, Mumbai  
2<sup>nd</sup> Prize  
Mr Dipak D Pukale, ICT, Mumbai
- **Chemical Weekly Award for the Best Paper Published in the Institute's Journal (ICE-2013) and IChE NRC Award Best Paper in "Indian Chemical Engineer" 2013**  
Dr L Shreyas, Dr Lalita Kanwar and Dr K Kesava Rao, IISc, Bangalore
- **The Kuloor Memorial Award to the best technical paper published in the journal of the Institute in the issues of the preceding year And IChE NRC Award 2<sup>nd</sup> Best Paper in "Indian Chemical Engineer" 2013**  
Dr L Shreyas, Dr Lalita Kanwar and Dr K Kesava Rao, IISc, Bangalore  
and  
Dr Srinivas Palanki, Univ of South Alabama, USA

- **Sisir Kumar Mitra Memorial Award for the Second Best Technical Paper published in the Institute's Journal "ICE" in its issues for 2013 and IChE-NRC Award 3<sup>rd</sup> Best paper in "ICE" 2013**  
Dr Srinivas Palanki, Univ of South Alabama, USA  
and  
Dr E Yau, Dr K Badal, Dr G Brodeur, Dr J Collier, Dr J Telotte and Dr S Ramakrishnan, FAMU-FSU College of Engineering, Tallahassee, USA
- **M H Shukla Prize for the Best Technical Paper presented in the 65<sup>th</sup> Annual Session (CHEMCON-2012)**  
1<sup>st</sup> Prize  
Dr Meenakshi Mazumdar and Dr Shantanu Roy, IIT, New Delhi  
2<sup>nd</sup> Prize  
Dr Malini R and Dr Sudhakar M Rao, IISc, Bangalore
- **Chinnamaul Memorial Prize for the Best Technical Paper presented in the 66<sup>th</sup> Annual Session (CHEMCON-2013)**  
Dr Meenakshi Mazumdar and Dr Shantanu Roy, IIT, New Delhi

#### **Award for Students**

- **Acharya P C Ray Award for the Best Home Paper at the Final Degree Examination (2 Prizes)**  
1<sup>st</sup> Prize  
Mr Ashutosh B Pimplekar, IChE, Kolkata  
2<sup>nd</sup> Prize  
Mrs Tanvi Vineet Shroff, ICT, Mumbai
- **Ambuja's Best Home Paper or Design Project Report Awards (3 Prizes)**  
1<sup>st</sup> Prize  
Mr Ashwin M Chemburkar, ICT, Mumbai  
2<sup>nd</sup> Prize  
Mr Kripa Shankar Mishra, IChE, Kolkata  
3<sup>rd</sup> Prize  
Mr Alok Kumar Singh, IChE, Kolkata
- **The Pankaj P Patel Trust Essay Competition – for the best essay (on topic decided by the Council of the Institute) by final year students of the first degree courses in Chemical Engineering**  
Mr Pramod R Junghare, Pravara Rural Engg College, Loni  
and  
Mr S Ananthan, CIT, Coimbatore
- **Kishore Krishna Das Memorial Prize to the examinee who secured highest marks in the Home Paper Examination of the Associate Membership Examination of the Institute which is recognized by the Ministry of Education, Govt. of India, equivalent to a first degree in Chemical Engineering**  
September 2013: Mr Kripa Shankar Mishra IFFCO, Allahabad and  
March 2014: Mr Mukesh Shukla, IFFCO Township, Bareilly
- **Prof D K Guha Award for the Most outstanding AMIChE candidate securing Highest percentage of marks in Associate Membership Examination (AMIChE) amongst candidates, who had registered during the last Four Years**  
Mr Shiv Sankar Yadav, IFFCO, Allahabad
- **N R Nandi Memorial Prize for securing highest marks in Associate Membership Examination**  
Mr Shiv Sankar Yadav, IFFCO, Allahabad
- **Ambuja's Young Researcher's Awards for doing Post-Graduate Studies in India after GATE Examination (Ten Prizes)**  
Mr S T P Bharadwaja, IIT, Guwahati  
Mr Nikesh Kumar, Mr Priyanshu Verma and Mr Kashish Mehta, Dr B R Ambedkar NIT, Jalandhar  
Ms Alka Kumari, Mr Kamesh Reddi and Mr Siddhartha Moulik, CSIR-IICT, Hyderabad  
Ms Amrita Shahi and Ms Poornima Pandey, IIT (BHU), Varanasi  
Mr Chandrakant R Holkar, ICT, Mumbai
- **VICAL Award for best Students Paper Presentation in SCHEMCON (3 Prizes)**  
1<sup>st</sup> Prize  
Ms Anuja Das, IIT, Kharagpur  
2<sup>nd</sup> Prize  
Mr E Titus Praveen Kumar, BIT, Anna University, Tiruchirappalli  
3<sup>rd</sup> Prize  
Mr S Siva, Adhiparasakthi Engineering College, Melmaruvathur
- **Late Lakshmi Nandakumar Award for a Lady Student for the Best Presentation in the SCHEMCON of the year**  
Ms Shaikh Tahakauser, AISSMS College of Engineering, Pune
- **Gouri Dutta Award for the Best Paper presentation in SCHEMCON of the year**  
Mr Vineet Anay Balan, MIT Academy of Engineering, Pune
- **Prof.P.Sen Gupta Award for Best IChE Employee**  
Dhananjay Mondal, Jenitor, IChE
- **Ambuja's Best Student Chapter Award (2 Prizes)**  
1<sup>st</sup> Prize: IChE Student Chapter, Institute of Chemical Technology, Mumbai  
2<sup>nd</sup> Prize: IChE Student Chapter, Coimbatore Institute of Technology, Coimbatore
- **Pidilite Industries Best Student Chapter Award**  
IChE Student Chapter, MVGR College of Engineering, Vizianagaram
- **Best Regional Centre under Category "A"**

- Mumbai Regional Centre (Category 'A')
- **Best Regional Centre under Category "B"**  
Haldia Regional Centre, IICChE (Category 'B' 1<sup>st</sup>)
- **Second Best Regional Centre Category "B"**  
Bangalore Regional Centre, IICChE

### Memorial Lectures

The **Dr H L Roy Memorial Lecture Sponsored by Jacobs** was delivered by Prof J B Joshi, Homi Bhabha National Institute Anushakti Nagar, Mumbai and Former Director , ICT, Mumbai, on the topic, "Generation of knowledge and wealth through University – Industry Partnership".

**Aker Powergas's Prof N R Kamath and Mrs Ruzena Kamath Memorial Lecture** was delivered by Prof Arun Kumar Grover Vice – Chancellor Panjab University, Chandigarh on the topic "New Functional Materials for Spintronics and Magnetic STM Imaging".

**Inventaa C K Murthy Memorial Lecture** was delivered by Dr S N Chakravarty, President, Elastomer Technology Development Society, KPS Consultatans & Impex Pvt. Ltd., on the topic "Sustainable Technology Development in Elastomer Production & Application – An Indian Perspective".

### Technical Sessions

Over 1000 Technical Papers were received. About 700 papers were presented in 60 Technical sessions (600 Oral and 100 Poster Sessions). Indo-US Joint Symposium session was held on and from December 27-29, 2014. Some of the papers of different Technical Sessions are reproduced below:

#### Technical Session-1

- Granulatin by Fluidization Technique – An Experimental Study: by D Mandal, Ashish Kumar, M C Jadeja & B K Chougule
- Heavy Oil upgrading by Htl Technology: by Benita Vaz, Bhushan Vartak & Alpana Mahapatra
- Fibre Reinforced Clay Brick as a Building Material: by Shabad Sabharwal, Y J Rao & Archana
- Ligning Recovery using Rotating Disk Ultryfiltration Module from Rice Straw: by Madhubanti Bhattacharya, Bhasker Bishayee & Mrinal Kanti Mandal
- A Study on Cross Flow Membrane Module with Laboratory Synthesised Nano Filtration Membrane: by H Jagarao & G Kalyani
- Electrokinetic Phenomena in Membrane Filtration Process: by Kazuho Nakamura
- Advancements in Reactive Separation Technology: by Binoy Shah, Sagar Vagadiya, Parag Saxena & Priya Saxena
- Removal of Refractive Sulfur and Nitrogen Compounds from Gas Oil using Solvent Extraction, Estimation of Solubility Parameters and their Application in Solvent Screening: by Sunil Kumar, Vimal Chandra Srivastava, S M Nanoti & Abhishek Kumar
- Removal of Ni-Zn from Spent Catalysts through Solvent Extgraction Method: Roshan Kumar Pramanik & Swagatika Dash
- Pervaporative Dehydration of Acetic Acid using Novel Polymeric Ipn Membranes: by Sunil Baran Kuila & Samit Kumar Roy
- Hybrid Materials in Coagulation/Flocculation of Wastewater: by Patolia Harshil, Lavina Babani & Parin D Shah
- Degradation of Melanoidin by Heat Activated Persulfate: by Shital Munde & Tanushree Bhattacharjee

#### Technical Session -2

- Utility system design and optimization for a chemical process plant: by Ravi Pawar and Satish R Inamdar
- A simulatin study of reforming of waste solvent recovered in pharmaceutical process: by Ranvir Sing, Manish Mishra, P Mondal & B Mohanty
- Increasing refinery profitability through pre-heat train optimization: by Sanjiv Bechal, Sailesh Sarkar & Alok Pandit
- Oxygen Enrichment in Sulphur Recovery Unit: by Abhinav Mahajan, Tampay Taraphdar, Animesh Nandi & M K E Prasad
- Modeling and simulation of a pervaporation esterification coupled reactor: by G Jyoti, Amit Keshav & J Anandkumar
- Defulfurizatn of Natural Gas using aspen technology: by Mayur Chaudhari & Makarand Upkare

### 3.0 Extra Ordinary General Meeting (EGM)

The EGM of the Institute was held on December 28, 2014 at the Auditorium of Dr SSB University of Chemical Engineering & Technology, Panjab University, Chandigarh. Prof Ch V R Murthy, President of the Institute chaired the meeting which was attended by 41 corporate members (list is given in back cover page).

The proposed amendments in the constitution (Rules & Regulations) of the Institute as circulated along with the notice of the Extra-ordinary General Meeting (Ref. No. SKD/E-6/2011 dated 26.11.2011), were approved by the members present with the following modifications/corrections as proposed by Mr D M Butala and seconded by Mr S I Thakar.

#### 01. Consideration of amendments in the Constitution (Rules & Regulations) regarding the Annual election and voting

Clause No	Existing Clause	Proposed Amendment
34.	<b>Annual Election and voting:</b>	
34.4	The Secretary shall, in accordance with the clauses provided for, invite nomination from Members. Normally intimation shall be given by the 15th of May and nominations received by the 30th of June. Nominations shall be valid only when accompanied by consent in writing from the nominee to serve on the Council, if elected. The Secretary shall convey to each valid nominee the particulars of all the valid nominees in the zone from which he has been proposed. Such intimation to be normally sent by 7th July and any nominee may thereafter withdraw from the election by sending advise to that effect to the Secretary to reach him by 31st July at the latest. The ballot papers mentioning all the valid nominations shall be sent by the returning officer appointed by the Council "Under Certificate of Posting" by the 16th August to all such Corporate Members as are eligible for voting.	<b>The Secretary shall, in accordance with the clauses provided for, invite nomination from eligible Members. Normally intimation shall be given by the 15th of May and nominations received by the 30th of June. Nominations shall be valid only when accompanied by consent in writing from the nominee to serve on the Council, if elected. The Secretary shall convey to each valid nominee the particulars of all the valid nominees in the zone from which he has been proposed. Such intimation to be normally sent by 7th July and any nominee may thereafter withdraw from the election by sending advise to that effect to the Secretary to reach him by 31st July at the latest Poll will be online.</b>
34.5	Voting shall be by secret ballot. The ballot papers shall be returned to the returning officer so as to reach him by the appointed date which shall normally be the 30th September. The ballot papers shall be scrutinized by a Panel appointed by the Council which includes the returning officer. The candidates are to be duly informed of the day of counting and the candidates or their authorized nominees may be allowed to be present during counting of votes. The results of election shall be submitted to the President on or before 15th October. The President or the Chairman of the Annual General Meeting shall announce the election results at the Meeting. If the requisite number of nominations are not received from any particular zone, then nominations shall be invited from the floor of the House at the Annual General Meeting and an election shall then be held by secret ballot to bring the total number of elected Members of the Council to twenty-one.	<b>The members will be required to login to view the ballot. After selection, the members will submit the ballot online. The ballot papers shall be scrutinized by a Panel appointed by the Council which includes the returning officer. The system will count votes and the result will be showed in the system and can be accessed by the admin only after the closing date of the polling i.e 30<sup>th</sup> September. The results of election shall be submitted to the President on or before 15th October. The President or the Chairman of the Annual General Meeting shall announce the election results at the Meeting. If the requisite number of nominations are not received from any particular zone, then nominations shall be invited from the floor of the House at the Annual General Meeting and an election shall then be held by secret ballot to bring the total number of elected Members of the Council to twenty-one.</b>

Note: The member present decided that for first year both postal ballot system and online polling system should exist. Members present in the meeting also decided that to implement the online system, all the members of the Institute are to be requested to provide the e-mail i.d, cell phone no. as well as land line no. to HQ.

## 02. Consideration of amendments in the Constitution (Rules & Regulations) regarding the fees of different categories of membership.

### Existing Clause

#### APPENDIX TABLE-1 (a) FEES AND SUBSCRIPTIONS REFERRED IN CALUSE 16.0

Registration Fee: Rs.100/-+

Description	Admission Fee (Rs.)	Annual Subscription (Rs.)
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Patron Member (minimum)	1,000/-	1,000/-
Organizational Member Irrespective of turn-over	1,000/-	5,000/-
Honorary Fellow	Nil	Nil
Fellow	600/-	600/-
Member	350/-	350/-
Associate Member		
-age 35 years and above	350/-	350/-
-age below 35 years	250/-	250/-
Student Member	50/-	100/-

Description	Admission Fee $\psi$ (Rs.)	Life Subscription (Rs.)
Life Patron (Minimum)	1,000/-	10,000/-
Life Organizational Member with turn-over		
- above Rs. 10 Crores	1,000/-	50,000/-
- below Rs. 10 Crores	1,000/-	25,000/-

† Not applicable to student, sessional, patron and organizational membership.

$\psi$  Fee for TRANSFER from one category of membership to the next category shall be the difference between the Admission fees of the two categories.

Members above the age of 65years of 10 years standing need not pay annual subscription.

APPENDIX TABLE-1 (b)  
LIFE SUBSCRIPTION (COMPOUNDING FEES) REFERRED IN CLAUSE 18

LIFE FELLOWS

Age (in years) as on 31st March Next	Compounding Fees (Rs.)
35 - 50	6,000/-
51 - 60	5,000/-
61 and above	4,000/-

LIFE MEMBERS

Age (in years) as on 31st March Next	Compounding Fees (Rs.)
26 - 50	4,000/-
51 - 60	3,000/-
61 and above	2,000/-

LIFE ASSOCIATE MEMBERS

Age (in years) as on 31st March Next	Compounding Fees (Rs.)
All age groups	3,000/-



**APPENDIX TABLE-1 (a)**  
**FEES AND SUBSCRIPTIONS REFERRED IN CALUSE 16.0**

Registration Fee: Rs.100/-†

Description	Admission Feeψ (Rs.)	Annual Subscription (Rs.)
Patron Member (minimum)	1,000/-	1,000/-
Organizational Member Irrespective of turn-over	1,000/-	5,000/-
Honorary Fellow	Nil	Nil
Fellow	----	1500/-
Member	----	1000/-
Associate Member	----	1000/-

Description	Admission Feeψ (Rs.)	Life Subscription (Rs.)
Life Patron (Minimum)	1,000/-	10,000/-
Life Organizational Member with turn-over		
- above Rs. 10 Crores	1,000/-	50,000/-
- below Rs. 10 Crores	1,000/-	25,000/-

† Not applicable to student, patron and organizational membership.

ψ Fee for TRANSFER from one category of membership to the next category shall be the difference between the Admission fees of the two categories.

Members above the age of 65years of 10 years standing need not pay annual subscription.

**APPENDIX TABLE-1 (b)**  
**LIFE SUBSCRIPTION (COMPOUNDING FEES) REFERRED IN CLAUSE 18**

**LIFE FELLOWS**

For all age groups	Compounding Fees (Rs.) (including Registration Fee Rs 100/- & Admission Fee Rs 600/-)
	10,000/-

**LIFE MEMBERS**

Age	Compounding Fees (Rs.) (including Registration Fee Rs 100/- & Admission Fee Rs 400/-)
26 – 50	6,000/-
51 – 60	5,000/-
61 and above	4,000/-

**LIFE ASSOCIATE MEMBERS**

For all age groups	Compounding Fees (Rs.) (including Registration Fee Rs 100/- & Admission Fee Rs 400/-)
	5,000/-

**STUDENT MEMBERS**

For any year	Compounding Fees (Rs.) (including Admission Fee Rs 100/-)
	500/-

The meeting ended with vote of thanks to the chair.

### 3.1 67<sup>th</sup> Annual General Meeting (AGM)

The sixty-seventh Annual General Meeting (AGM) of the Institute was held on December 28, 2014 at the Auditorium of Dr SSB University of Chemical Engineering & Technology, Panjab University, Chandigarh after the EGM. Prof Ch V R Murthy, President of the Institute chaired the meeting which was attended by 41 corporate members (list is given in back cover page). Before commencement of the proceedings, the members observed silence for one minute in memory of the following members who expired during the year: Mr S I Joshipura (LM14297), Mr J P Kapur (LF 00179), Prof T K Bansal (LM 13082) and Prof K S N Raju (LM 03942).

The minutes of the 66th (Sixty Sixth) Annual General Meeting held on December 28, 2013 at KV auditorium, ICT, Mumbai, as circulated on November 10, 2014 by Dr Sudip K Das, Honorary Secretary, were confirmed, as proposed by Prof S S Bhagwat and seconded by Dr M V Rao.

The meeting adopted the Annual Report of the Institute unanimously as proposed by Dr S K Gupta and seconded by Prof M K Jha.

The meeting adopted the Audited Statement of Accounts for the year 2013-14 of the Institute unanimously, as proposed by Mr S Das and seconded by Prof G D Yadav.

Prof Basava Rao, Honorary Jt. Secretary, reported that i) Jaipur ii) Kalpakkam iii) Paradeep iv) Rourkela v) Waltair Regional Centres did not submit their Annual Accounts for the year 2013-14 in spite of repeated reminders. Prof Murthy reported that the matter of non-submission of audited annual accounts by above Regional Centres was discussed in the last Council Meeting and responsibilities have been given to the Council Members who are residing nearby to those Regional Centres.

Prof V V Basava Rao, reported that in the coming financial year (2014 – 15), M/s Nirupam & Associates has agreed to do the audit of Institute's accounts and has asked to enhance their remuneration from Rs 18,000/- to Rs 25,000/- The members present unanimously agreed to appoint M/s Nirupam & Associates as auditor for the period 2014-15 and requested Prof De to negotiate the remuneration with the auditor and finalize.

Prof Murthy announced the names of the newly elected Council members for the period 2015-17. The members present at the AGM welcomed them for joining in the New Council.

Prof Yadav pointed out that from the award endowment, every year 20% interest should be ploughed back with the base value of each award endowment. But in the consolidated accounts, there was no such reflection and the endowment value remained same year after year. Prof Yadav advised the HQ to prepare accounts in such a way so that yearly increment of each award endowment could be visualized.

Prof Yadav further pointed out that there are many awards which are not giving since inception. Those have to be started immediately for which criteria for those awards are to be framed.

Also to have income tax exemption, IICChE should immediately start "Research Grant" by providing some funds to the students studying in under graduate level / post graduate level (in Chem. Engg.).

Prof V K Srivastava reported that every year Northern Regional Centre is providing financial assistance of Rs 15,000/- each to 20 nos. of chemical engineering students of different Govt. Engineering Colleges located in Northern Regional Centre.

Prof Murthy, President of the Institute, informed the members that Honorary Editor Prof Anil K Saroha will complete his term in the year 2015. Hence, there has been a need for search of a new Editor. Prof Murthy added that he had consulted the matter with the members of the Search Committee. The Committee has come up with the name of Prof V K Rattan as the next Honorary Editor of ICE from 2016 for a period of two years. The members agreed to the name.

### 3.2 R&D Activities carried out by IICChE HQ

The Institute has decided to get the research work done by inviting research proposals from the students studying Post Graduate in Chemical Engineering in different academic institutions throughout the country and for that fund is to be provided by IICChE.

In the year (2013-14) five project proposals were approved for providing research grant of Rs.1,00,000/- each. The projects are still going on. These are:

- a) Flow of emulsion through porous media. Prof I M Mishra, IIT, Roorkee
- b) Green synthesis of near-infrared wavelength absorbing Pb Se quantum dots, Dr Raju kumar Gupta, IIT, Kanpur.
- c) Supercritical fluid extraction of natural products from various plant residues, Ms Sutapa Roy, HIT, Haldia.
- d) Parametric optimization and control of semi batch reactor for sulfonation process, Mr Somak Jyoti Sahu, HIT, Haldia.
- e) Treatment of coke oven waste water using hybrid technology, Dr Susmita Dutta, NIT, Durgapur.

### 3.3 Different R&D related activities carried out by IICHe Regional Centres

Name of the Regional Centres	R&D Related Activities
Ankleshwar	<p><b>a) Technical Lectures/Talks:</b></p> <ol style="list-style-type: none"> <li>On 'Know Your Industries' on 18.07.2014.</li> <li>On 'Manufacturing Excellence' on 25.07.2014.</li> <li>On 'Are You Scared About Your Effluent' on 20.08.2014.</li> <li>On 'Air Pollution Control Technology-Catalytic Oxidation Technology for Low Temperature Waste Gas Incineration' on 20.02.2015.</li> <li>On 'How Rare Earth Metal Pumps and Valves Can Be Used in Highly Corrosive Conditions' on 27.03.2015.</li> </ol>
Annamalai-Neyveli	<p><b>a) Technical Lectures:</b></p> <ol style="list-style-type: none"> <li>On 'Safety in Petroleum Refineries' by Mr R Saravanan, Process Engineer, Kuwait National Petroleum Company, Kuwait. on 07.08.2014.</li> <li>On 'Utilization of Solar Energy' by Mr V Thiruchitrabalam, Project Development Engineer, Suncor Calgary, Canada on 02.09.2014.</li> <li>On 'Water Reuse and Recycling' by Mr S Kumaravel, Managing Director, Prans Crescent Water TZC, Dubai on 02.09.2014</li> <li>On 'Desalination' by Mr D Sudhakar, Consultant, Vedanta Group, Chennai</li> <li>On 'Interview Skills' by Dr C S Rathnasabapathy, Asst Professor, Dept. of Chemical Engineering, Annamalai University on 21.11.2014</li> </ol> <p><b>b) Conference:</b></p> <p>On 'Recent Advances in Chemical Engineering' organized by the Dept. of Chemical Engineering, Annamalai University on 12 &amp; 13.07.2014.</p>
Bangalore	<p><b>a) Seminar :</b></p> <ol style="list-style-type: none"> <li>On 'Recent Advances in Engineering Sciences (ICRAES-2014)' on 04 &amp; 05.09.2014.</li> <li>On 'New Frontiers in Chemical Engineering', organized by MSRIT on 02.02.2015.</li> </ol> <p><b>b) Technical Lecture:</b></p> <ol style="list-style-type: none"> <li>On 'Reaction Engineering' by Prof Y J Rao, on 17.09.2014.</li> </ol>
Baroda	<p><b>a) Seminars:</b></p> <ol style="list-style-type: none"> <li>On 'Smooth Commissioning and Maiden Start-up of Plants' on 27.09. 2014.</li> <li>On 'Chemical Safety and Security Rating System (CSSRS)', organized by FICCI and attended by the members of this Centre, on 24.02.2015.</li> </ol>
Bhubaneswar	<p><b>a) Technical Lecture:</b></p> <ol style="list-style-type: none"> <li>On 'Efficiency Improvement at IFFCO Paradip Unit' on 05.07.2014 by Mr. Sunil Kumar Gandhi, Head, IFFCO, Paradip.</li> </ol> <p><b>b) Seminar:</b></p> <p>On 'Coal Gasification' on 26.11.2014.</p>
Calcutta	<p><b>a) Seminar:</b></p> <p>On 'Trends in Petroleum-based Lubricants &amp; Its Condition Monitoring Practices in Industries' on 14.03.2015.</p>
Coimbatore	<p><b>a) Seminar:</b></p> <p>On 'Scope of Chemical Engineering In Space Research' by Mr Ratinam Dorairaj, Former Associate Project Director, GSLV Project, VSSC-ISRO on 11.09.2014.</p> <p><b>b) Workshops:</b></p> <ol style="list-style-type: none"> <li>On 'Social Issues &amp; Environment', held by Mr K Ravichandran, Coimbatore, Dr K Rajendran, Coimbatore and Mr N L Selvakumar, Chennai on 02.08.2014.</li> <li>On 'Industrial Hazards and Safety', held by. Dr R Saravanan, Chidambaram and Mr N L Selvakumar, Chennai on 25.08.2014.</li> <li>On 'Recent Development In Dairy Technology', held by Mr Kannan, Bangalore and Mr P Jegadesan, Bangalore on 04.09.2014.</li> <li>On 'Design of Distillation Column In Refineries', held by Mr N Nagarajan, Chennai on 09.09.2014..</li> <li>On 'An Overview of Oil and Gas Exploration and Production' by Mr N Viswakarthik, Mumbai on 19.09.2014.</li> <li>On 'Win-Win Attitude' by Dr J Anitha, Coimbatore on 20.09.2014.</li> <li>On 'Bio Polymers and Bio Plastics' by Dr Amitava Bhattacharyya, Coimbatore on 25.09.2014.</li> <li>On ' Risk Analysis and Accident Prevention In Chemical Industries' by Mr M Sivarasan, Chennai on 26.02.2015.</li> <li>On 'Hazop Methodology and Training' by Mr Vanchi Narayanaswamy, Auditor, ISO 9000, on 27.02.2015.</li> </ol> <p><b>c) Symposia:</b></p> <ol style="list-style-type: none"> <li>'AAVISHKAR'14 (technical meet) on 19 and 20,.09.2014.</li> <li>'TECHNOVATION'15 on 23 and 24.01.2015.</li> </ol>

	3. 'Science Shout-Quintessence'15 on 19.03.2015.
Chennai	<p><b>a) Technical Lectures</b></p> <ol style="list-style-type: none"> <li>1. On "Novel Design for Site Utility System' by Dr Laxmi Vaideeswaran in October 2014.</li> <li>2. On 'Gas Treatment Process' by Mr N Nagarajan in November 2014</li> <li>3. 'Dr G S Laddha Memorial Lecture' by Dr Bala Subramanian in December 2014.</li> <li>4. On 'Process Safety Management' by Mr G Rajasekaran in January 2015.</li> <li>5. On 'Chennai Water Summit' by Er Elango Rangaswamy, Er A Verappan, Mr Sekar RagavaN &amp; Mr R Jaganathan in March 2015.</li> </ol> <p><b>b) Seminar:</b></p> <ol style="list-style-type: none"> <li>1. In collaboration with FICCI on 'Health, Safety, Security and Environment' on 23.03.2015.</li> <li>2. On 'Chemical Safety and Security Rating System (CSSRS) on 24.03.2015</li> </ol>
Doaba	<p><b>a) Technical Lectures</b></p> <ol style="list-style-type: none"> <li>1. On 'Role of Indian Institute of Chemical Engineers towards Growth of Chemical Engineering Students' on 30.08.2014.</li> <li>2. On 'Activated Carbon' by Mr Bholla Mishra, Managing Director, Active Adsorbents, Kolkata on 26.02.2015.</li> <li>3. On 'Obvious Vs Invisible Nature's Chemistry' by Mr Inder Bhalla, Managing Director, Conserve Watercare Pvt Ltd, Baroda on 27.02.2015.</li> </ol> <p><b>b) Seminar:</b> On 'Sustainability of Engineering Education' on 26 and 27.3.2015.</p>
Damanjodi	<p><b>a) Seminars:</b></p> <ol style="list-style-type: none"> <li>1. On 'Water Treatment Techniques' by Osiris Environ Solutions Pvt. Ltd., Kolkata, on 11.11.2014.</li> <li>2. On 'New Developments in Alumina Making Process' on 10.02.2015.</li> </ol>
Guwahati	<p><b>a) Technical Lectures</b></p> <ol style="list-style-type: none"> <li>1. On 'Shape Controlled Palladium Electrocatalysts for Polymer Electrolyte Membrane Fuel Cells' by Dr Raghuram Chetty, IIT Madras on 01.12.2014.</li> <li>2. On 'Microstructural Tuning of Carbon for MEMS and NEMs' by Dr Swati , University of Freiburg, Germany on 02.02.2015.</li> <li>3. On 'Polymeric Membranes: Tailor-made Casting and their Applications' by Prof. Sirshendu De, IIT Kharagpur on 09.03.2015.</li> <li>4. On 'Tailor-made Polymer-Clay Nanocomposite via In-situ Controlled Radical Polymerization' by Professor N K Singha, IIT Kharagpur on 12.03.2015.</li> </ol>
Haldia	<p><b>a) Technical Lectures</b></p> <ol style="list-style-type: none"> <li>1. On 'Is There a True Concern Regarding the Use of Hair Dye' by Mrs Swati Maity, Asst.Prof, Dept. of Bio-Technology, HIT, Haldia on 31.07.2014..</li> <li>2. On 'Edible Bacteria – Facts &amp; Myth' by Dr Rajorshi Banerjee, Asst. Prof., Dept of Bio-Technology, HIT, Haldia on 10.09.2014.</li> <li>3. On 'Zero to Three Dimensional Nano Architecture for Targeting the Problems in Society' by Dr Sudarson Sekhar Sinha, Postdoctoral Fellow, Dept. of Chemistry and Biochemistry, Jackson State University, Mississippi, USA on 26.09.2014.</li> <li>4. On 'The Dynamic Difficulties of Semi-batch System' by Dr S J Sahu, Asst Professor, Dept. of Chemical Engineering, Haldia Institute of Technology on 12.12.2014.</li> <li>5. On 'Hydrogen Energy Road Map - Towards Sustainability of Human Civilization' by Prof. B. Mandal, Dept. of Chemical Engineering, HIT, Haldia on 17.03.2015.</li> <li>6. On 'Ethics of Process Industries' by Mr Bimal Sud, Ex Managing Director, Deepak Fertilizer Pvt. Ltd. on 18.03.2015.</li> </ol> <p><b>b) Seminar and Conference:</b></p> <ol style="list-style-type: none"> <li>1) On 'Chemical Process Safety'. Resource persons were Mr T. K. Dasgupta (GM-HSE, IOCL, Haldia), Mr A. N. Pal (DGM-Operation, IOCL,Haldia), Mr G. C. Kundu. (DGM, IOCL, Haldia) and Mr S. Basu (VP-HSE, MCCPTA) on 26.08.2014.</li> <li>2). ICNT-2015 – international conference on Nanotechnology on 19 - 22,02.2015.</li> </ol> <p><b>c) SCHEMCON 2014:</b> Hosted by the Student's Chapter, Dept. of Chemical Engineering, Haldia Institute of Technology under HRC on 19 and 20.09. 2014, the central theme of the event was 'New Horizon in Chemical Engineering Applications'.</p> <p><b>d) Student's Chapter Activity :</b></p> <ol style="list-style-type: none"> <li>1) <b>Lecture :</b> On 'Innovations in Chemical Industries from 1865 to Date' at Students' Chapter, Dept. of Chemical Engineering, Haldia Institute of Technology, by Padmavibhusan Prof. M. M. Sharma on 19.02.2015</li> </ol>
Hyderabad	<p><b>a) Student Chapter Activities:</b></p> <ol style="list-style-type: none"> <li>1) NIT-Warangal conducted a national level students' conference, 'ChemFlair' on 13 and 14.03.2015.</li> </ol>

	2) CBIT conducted a national level Students' Technical programme in February 2014.
Jaipur	a) <b>Technical Lecture</b> On 'Green Diesel Synthesis from Vegetable Oils: Current and Future Trends' by Prof Ajay K Dalai, University of Saskatchewan on 02.02.2015.
Kharagpur	a) <b>Technical Lecture:</b> On 'Development of Novel Catalysts and Adsorbents for Hydrotreating of Gas Oils' by Ajay Kumar Dalai, Professor and Research Chair in Bio-energy and Environmentally Friendly Chemical Processing, University of Saskatchewan on 07.11.2014
Kochi	a) <b>Technical Lecture:</b> On 'Biotechnology for Waste Management' by Prof. T.R. Sreekrishnan, Dept. of Biochemical Engineering and Biotechnology, IIT, Delhi on 17.12.2014. b) <b>Memorial Lecture:</b> K. Unnikrishnan Memorial Lecture on 'Kochi Metro – Challenges and Realities' by Mr Keshav Chandran, Chief Engineer, KMRL on 14.01.2015. c) <b>Engineers' Meet:</b> 1) An open discussion forum has been initiated to discuss various topics referring to Chemical Engineering. Meetings were organized on 26.09.2014, 19.10.2014, 04.12.2014 and 08.02.2015 to interact on various topics. 2) A conference on 'Energy Audit and Management' on 10 – 12.12.2014 was organized by Dept. of Chemical Engineering, GEC, Trichur.
Kanpur	a) <b>Technical Lecture</b> Dr. D.P. Mishra, IIT, Kanpur and Dr. Dhananjay Singh, IET, Lucknow delivered two lectures, which were organized by Kanpur Centre.
Lote-Parasuram	a) <b>Seminar:</b> 1) On 'Crystallization, Filtration & Drying' 2) On 'Static Electricity' in association with Lote Industrial Association. 3) On 'Solid/Liquid Separation' in collaboration with Rotofit Engineering.
Lucknow	a) <b>Technical Lecture</b> On "Chemical Engineering: Opportunities & Future Challenges' by Dr Dhananjay Singh, Hony Regional Joint Secretary on 27.09.2014. b) <b>Workshops:</b> 1. Senior members of the Lucknow Centre attended a workshop, organized by UP Pollution Control Board, Lucknow on 20.09.2014. 2. Lucknow Centre organized a meet on 'Energy Efficient Technologies: Challenges & Opportunities' on 18.03.2015. c) <b>Student Chapter Activities:</b> 1) Lecture on 'Energy Efficiency: Need for Today' by Mr. Girish Kumar on 19.03.2015.
Mangalore	a) <b>Symposium :</b> On 'Clean and Green Technologies for sustainable management' on 17-18,10.2014
Mumbai	a) <b>Technical Lectures</b> 1. On 'Safe Handling of Chlorine' by Mr S K Khurana on 14.02.2015. b) <b>Seminar :</b> On 'Advances in Chemical Engineering 2015 (ACE-15)' on 17.01.2015. e) <b>Students Programmes:</b> 1) OYCE 2015: A national level competition was organized by the Mumbai Centre in association with Dept. of Chemical Industry, D.J. Sanghvi College of Engineering, Mumbai on 13 and 14.03. 2015. 2) WAVE 2015: MGM CET Students Chapter under the Mumbai Centre organized a conference on Water, Energy and Environment (WAVE 2015) on 28.03.2015 in association with Indian Desalination Association.
Northern	a) <b>Technical Lectures:</b> 1. On 'Future of Bio-fuels' by Mr B P Das, Executive Director (I/c), IOC, R&D. and on 'Vehicle Emission Standards and After-Treatment Devices; An Indian Perspective' by Dr Divesh Bhatia, Assistant Professor, Dept. of Chemical Engineering., IIT- Delhi on 23.08.2014. 2. On 'Steam Methane Reformer by Mr Bhadri Prasad Kuruganty, Head, HyCO Group, Air Liquide Global E&C Solutions India Pvt. Ltd. and on 'Process Safety in Chemical Plants' by Mr Vikas Nigam, AGM-Risk Services, Cholamandalam MS Risk Services Ltd on 27.09.2014. 3. On 'Oleo-Chemical Technology' by Mr Niraj Awasthi, Lead Engineer-Technology, Air Liquide Global E&C Solutions, India Centre, New Delhi and on 'Coal Gasification' by Dr Siddhartha Mukherjee, Director – Technology, Air Liquide Global E&C Solutions, India Centre, New Delhi on 15.11.2014. 4. On 'Energy for Sustainable Development' by Mr Nitin Desai, Former Under Secretary General, Dept. of Economic and Social Affairs, United Nations, New Delhi on 15.11.2014.

	<p>5. On 'Integrated Safety Management' by Dr Chitra Rajagopal, Scientist 'G' &amp; Director, Centre for Fire, Explosive and Environment Safety, DRDO, Ministry of Defence and on 'A Personal Perspective On Recent Crude Oil Price Changes and The Skills Gap In The Indian Workforce' by Mr Kartik Suryanarayanan, Director (Engineering), UOP India Pvt. Ltd., on 24.01.2015.</p> <p><b>b) Seminar:</b> On 5 and 6.12.14, a meet was held on Process Safety.</p> <ol style="list-style-type: none"> <li>1) On 'Process Safety Management Issues in Indian Oil &amp; Gas Industry' by Mr Hirak Dutta, Executive Director, OISD.</li> <li>2) On 'Safety Control in Process Operation' by Mr S L Chakravorty, Advisor, OISD.</li> <li>3) On 'Asset Integrity Management RBI &amp; RCM for improved Reliability to Enhance Safety' by Mr S K Bachi, Addl. Director (Asset Integrity) OISD.</li> <li>4) On 'LPG Bulk Storage and Transportation – Safety Critical Issues by Mr S Majumdar, Director, Marketing Operations (LPG),OISD.</li> <li>5) On 'Disaster Management &amp; Emergency Preparedness Plan for Chemical Industry' by Mr S K Kaushik, DGM, HSE, IOCL.</li> <li>6) On 'Pipeline Integrity Management System' by Mr Rajesh Uprety, Addl. Director (Pipelines),OISD.</li> <li>7) On 'Behaviour-based Safety' by Ms Aditi Gulhati, Chilworth.</li> <li>8) On 'Hazardous Area Classification' by Mr Himanshu Chichra,Chilworth Technology.</li> <li>9) On 'Hazardous Risk Assessment' by Prof A K Saroha, Dept of Chemical Engineering, IIT-Delhi.</li> <li>10) On 'Holistic Safety Management: Quantitative Risk Assessment' by Mr Arul Arasu K., Asst. General Manager, Cholamandalam, MS Risk Management Services.</li> <li>11) On 'Reliability, Availability and Maintainability or Risk Assessment' by Mr Jitendra Kumar, Chilworth Technology.</li> <li>12) On 'Environment Management Issues in Pharmaceutical Industry' by Mr Ganesh Tripathy, Chief Sustainability Officer, Jubilant Life Sciences.</li> <li>13) On 'Occupational Health &amp; Safety Issues in Chemical Industries' by Mr Bedeshwar Mishra, Head of Safety, Tata Chemicals.</li> <li>14) On 'Global Warming/Environmental Management' by Mr Raja Raman Chaudhary, Head, Environment Management, Tata Chemicals.</li> </ol>
Nadiad	<p><b>a) Conference:</b> On 'Collision 2015' during 09 – 15.03.2015.</p> <p><b>b) Technical Lectures</b> Under a series titled 'Industries Institute Interaction 2015'</p> <ol style="list-style-type: none"> <li>1) On 'Pumps Design &amp; Operations Compressors, Turbines – Operation Pumps, Compressors, Turbines-Maintenance' on 20.12.2014.</li> <li>2) On 'Process Design of Heat Exchangers, Distillation Column – Safety Valves – Sizing of Pipes' on 10.01.2015.</li> <li>3) On 'Change Management &amp; Utilities – Boiler, DM water, etc., and on 'Types of Reactors Used in Industry' on 07.02.2015.</li> <li>4) On 'Control Systems, DCS System, Types of Controllers', on 'Project Management', and on 'Operations of Syngas Purifications' on 14.03.2015.</li> <li>5) On 'New Separation Techniques' by Dr Kaushik Nath,GCET, V V Nagar on 09.03.2015, Mr Hireen Raval, Baroda on 10.03.2015, and Dr Rochish Thaokar, IITB on 12.03.2015.</li> </ol>
Nagpur	<p><b>a) Student Chapter Activities:</b> 1. 'CHEMIX-15', a seminar, was organized by Students' Chapter, Dept. of Chemical Engineering, VNIT, Nagpur on 28 and 29.03.2015.</p>
Pune	<p><b>a) Technical Lectures</b></p> <ol style="list-style-type: none"> <li>1. On 'Process Simulation, GHG Emissions Reduction by Mr. Sadananda Konchady.</li> <li>2. On 'Tsunami and Disaster Management' by Mr Anil Dandekar on 26.06.2015.</li> </ol>
Pondicherry	<p><b>a) Technical Lectures</b></p> <ol style="list-style-type: none"> <li>1. On 'Concepts of Process Safety' by Hitesh Thakar, Process Consultant, Dow Chemicals, on 05.02.2015.</li> <li>2. On 'Global Warming' by Mr P Vengataramanan, External Faculty, PCRA on 19.03.2015.</li> </ol>
Pilani	<p><b>a) Workshop:</b> On 'Analytical Instruments for Chemical and Environmental Engineers' (WAICEE-2015), organized in association with Dept. of Chemical Engineering, BITS, Pilani, Goa campus on 27 and 28,02.2015.</p>
Trivandrum	<p><b>a) Technical Lectures</b></p> <ol style="list-style-type: none"> <li>1. On 'Linking Chemical Engineering with Biology' by Dr Giridhar R, (Formerly),</li> </ol>

	Waikato University, New Zealand on 17.10.2014. 2. On 'Carbon Capture and Green Technology: A VIT Experience' by Dr R Natarajan, Director, CO <sub>2</sub> Research Centre, VIT Chennai on 12.12.2014.
Vapi	a) <b>Seminar</b> : On 'Anger Management and Pro-Action' with Mr Dinesh Prajapati as the guest speaker, on 18.04.2015.

#### 4.0 Council Meeting Highlights

The Council had the following meetings between 1 April 2014 and 31 March 2015.

#### 4.1 3<sup>rd</sup> meeting for 2014, held at Conference room, at IIT Guwahati Guest House, on May 3, 2014

##### Examination

The Council noted that the results of September 2013 Home Paper Examination have been published on March 18, 2014. The Council also noted that 70 candidates came out successfully out of 72 candidates appeared. The names of the successful candidates are listed below:

Sl. No.	Name	Roll No.	Sl. No.	Name	Roll No.
1	Bhuvaneshwar Paswan	96/S3/314	17	Girija Sankar Behera	06/M6/162
2	A K V Basaveswar	01/S3/175	18	Santosh Kumar Singh	06/S6/376
3	Ajeet Singh	01/S3/423	19	Prem Kumar	06/S6/386
4	Kinsuk Mukherjee	02/S3/029	20	Arijit Kumar Maity	07/M7/011
5	Ayananta Ghatak	02/S3/197	21	Bivakar Kumar	07/M7/159
6	Rajkumar Singh Raghuvanshi	02/S3/245	22	Dhan Beer Singh	07/S7/226
7	M Serma Durai	03/M4/176	23	Nikitaben J Thakkar	08/M8/064
8	Shiv Prakash Shukla	03/S3/251	24	Prashantkumar P Shah	08/M8/067
9	Sukumar Mandal	04/M4/090	25	Krishna Chandra	08/M5/075
10	Debdyuti Halder	04/S4/141	26	Yatindra Pal	08/M8/77
11	Rajeshwar Singh	04/S4/146	27	Sudha Shankar Singh	08/M8/84
12	Parmar P Jamnadas	05/S5/220	28	Arup Saha	08/M8/118
13	Ravi Prakash Singh	05/S5/263	29	Pradip Dutta	08/M8/134
14	Elumalai V	05/S5/267	30	Rajiv Kumar Choudhary	08/M8/165
15	Rakesh Kumar	05/S5/361	31	Vijai Kumar Verma	08/M8/177
16	Parmanand Yadav	06/M6/146	32	Ravi Kant Sharma	08/M8/201
33	Om Gupta	08/M8/208	52	Bal Karan Singh	09/S9/485
34	Akhilesh Nigam	08/M8/211	53	Dinesh Kumar Singh	09/S9/561
35	Deepak Agrawal	08/S8/232	54	G Arumuga Perumal	10/M10/037
36	Suresh Kumar	08/S8/337	55	Vinay Kumar Yadav	10/M10/081
37	Jayaprakash T	08/S8/339	56	Digumarthi Nageswara Rao	10/M10/103
38	Amiya Kumar Das	08/S8/411	57	Shiv Shankar Yadav	10/M10/122
39	Shete Kishor Atmaram	09/M9/006	58	Rohit Kumar Singh	10/M10/126
40	Malete Kiranrao Pandurang	09/M9/091	59	Sunkari Chandra Mouli	10/M10/132
41	Pramod Kumar	09/M9/103	60	Arun Kumar Singh	10/M10/149
42	Mahim Kumar Pant	09/M9/148	61	Ramesh R	10/M10/275
43	Vinod Kumar Shrivastava	09/M9/156	62	Biswajit Bag	10/S10/318
44	Lakhvindra Singh	09/M9/166	63	Rameshwar Sharma	10/S10/341
45	Manoj Kumar	09/M9/282	64	Mali Rupesh Manohar	10/S10/409
46	Solanki B Gandabhai	09/M9/308	65	Munish Chandra	10/S10/454
47	Dinesh Chandra	09/M9/310	66	Pankaj Kumar	10/S10/531
48	Kripa Shankar Mishra	09/S9/382	67	Uttam Pal	11/M11/033
49	Sudip Sashmal	09/S9/390	68	K T Karthigan	11/M11/190
50	Ambikesh Narain Shukla	09/S9/450	69	Dilip Kumar	11/M11/234
51	Rakesh Kumar Pandey	09/S9/465	70	Paila Srinivasa Rao	12/M12/230

Mr S I Thakar through an e-mail dated April 01, 2014 forwarded a request received from Mr Yashawant Bhalerao, Dept. of Chem. Engg, Shroff S R Rotary Institute of Chemical echnology, Ankleswar, requesting to start coaching classes as well as to conduct examination for the AMIChE students. The Council approved the request of Mr Yashawant Bhalerao.

#### Regional Centres Affairs

Ms Sarita Kalla, Asst. Professor, Department of Chemical Engg., Jaipur National University, Jaipur, Rajasthan forwarded a letter dated 01.05.2014 through Jaipur Regional Centre requesting to start a Student Chapter of IChE in their Department of Chemical Engineering under the guidance of Jaipur Regional Centre. The Council approved the formation of student chapter in the Department of Chemical Engineering, Jaipur National University, Jaipur subject to receiving the filled up student membership forms and fees by the Headquarters.

Prof R K Gupta, Director, Amity School of Engineering & Technology of Amity University, Jaipur, Rajasthan forwarded a letter dated 29.04.2014 through Jaipur Regional Centre requesting to start a Student Chapter of IChE in their Department of Chemical Engineering under the guidance of Jaipur Regional Centre. The Council approved the formation of student chapter in the Department of Chemical Engineering, Amity School of Engineering & Technology, Jaipur subject to receiving the filled up student membership forms and fees by the Headquarters.

#### **Other Items**

A few awards that are lying pending since inception are to be started immediately for which criteria are to be framed. The Council, after a long deliberation, decided to form a committee comprising of Prof Yadav, Mrs (Dr) Alpana Mohapatra and Mr Praveen Kumar Saxena who would take care of this issue. The Council then requested Mrs (Dr) Alpana Mohapatra to coordinate the matter with the other two members for framing the criteria for different awards.

#### **4.2 4<sup>th</sup> meeting for 2014, held at Annamalai University, Annamalai, on July 12, 2014**

##### **Award**

The Council approved Mr K Venkataramanan, CEO and MD of L&T and Past President, IChE, for B P Godrej Life Time Achievement Award for 2014.

Prof Ch V R Murthy, President, IChE suggested the Topic of essay would be 'Green Technology in Process Engineering' and Council approved the same.

##### **Income Tax matter**

The officers of Income Tax Department visited the Institute's building for inspecting the status of R&D Laboratory. They were not satisfied about the condition of the premises and advised to renovate the Laboratory as early as possible, because there would be every possibility of further inspection soon.

The Honorary Secretary Dr S K Das pointed out that Mr S Ghosh, Assistant Secretary (Research and Professional Development) was requested to submit the proposal for modernization of the Laboratory situated at IChE Headquarters.

After some discussion it was decided that the Council members would meet the lawyers during the Kolkata-Haldia visit during September 2014.

##### **Examination (Extension of time)**

The candidate of AMIChE Examination, Mr Inderpal, Roll. 99/S3/697, Regn. No. S/09/2004 prayed for extension of his Registration period which was expired on March 2014.

The Council approved his request to extend the time period up to September 2015.

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

Approval of New Student Chapters

The Council approved the formation of student chapter in the Department of Chemical Engineering, Laxminarayan Institute of Technology, Nagpur under the guidance of Nagpur Regional Centre.

The Council approved the formation of student chapter in the Department of Chemical Engineering, at GIET, Gandhi Institute of Engineering and Technology, Gunupur under the guidance of Damanjodi Regional Centre.

The Council approved the formation of student chapter in the Department of Chemical Engineering, at ISM, Dhanbad under the guidance of HQ.

##### **Other Items**

AICHe, IChemE Collaboration

The IChE-AICHe membership agreement, signed in 2008 for two years, has expired in 2010 although AICHe still continues to entertain membership applications from IChE members at a concessional rate.

The Council may consider officially renewing the agreement with AICHe as there is considerable interest among the IChE members about this programme.



The Council decided to renew the joint agreement and requested the Honorary Secretary to request Dr Ganeshan to expedite the matter with AIChE.

The IICHe-ICChemE Student Exchange Programme is due this year. The student screening process at this end has to be initiated soon if IICHe is willing to go ahead with the programme. The Council gave its formal approval to the programme.

Mr Ashish Kapur, Life Member, IICHe who is working in Kuwait wanted to open a Regional Centre of the Institute in Kuwait.

The Council principally approved the formation of Overseas Regional Centre. Further, the Council requested Mr Sahasranaman to correspond with Mr Ashis Kapur to set the modalities to be followed.

The Council formed a Search cum Selection Committee comprising of Dr K V Raghavan, Prof V K Srivastava, Prof S K Sharma, Prof G D Yadav and Mr D P Mishra who would take a decision in respect of appointment of the Honorary Editor of Indian Chemical Engineer Journal.

President, IICHe	-	Chairman
Honorary Secretary, IICHe	-	Convener
Dr K V Raghavan, Past President, IICHe	-	Member
Prof V K Srivastava, Past President, IICHe	-	- do -
Prof S K Sharma, Past President, IICHe	-	- do -
Prof G D Yadav, Past President, IICHe	-	- do -
Mr D P Mishra, Past President, IICHe	-	- do -

#### 4.3 5<sup>th</sup> meeting for 2014, held at HIT, Haldia, on September 19, 2014

##### Publication

Dr Anil K Saroha, Editor, IICHe has suggested that there is no need to keep the Section-B of the Indian Chemical Engineer. Only Section-A events and coming events news would be published. CHEMCON memorial lectures, if necessary would be uploaded in Website. The Council resolved that the suggestions of the Editor would be adopted.

##### Award

National Awards/Other Awards

Nominations received for the above Awards have been forwarded to the members of the Award Committee and the recommendations of the Committee are as follows:

1.	Amar Dye-Chem Award For Excellence in Research and Development in Chemical Engineering below the age of 35 years	Dr Seshagiri Rao Ambati NIT, Warangal
2.	Hindustan Dorr-Oliver Award For "Excellence in use of Science & Technology in Rural Development"	Dr A Gangani Rao CSIR-ICT, Hyderabad
3.	Dr A V Rama Rao Fndn Best Ph D Thesis	Dr Jignasa N Solanki SVNIT, Surat, Gujarat and Dr Z V P Murthy SVNIT, Surat, Gujarat
4.	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)	1 <sup>st</sup> Prize Ms Sayli Devdas Bote UICT, Mumbai 2 <sup>nd</sup> Prize Mr Dipak D Pukale UICT, Mumbai

The Council approved the above list of awardees.

##### Membership

Honorary Fellow

The Council considered the recommendation received from the members of the Honorary Fellowship Committee and approved the names for awarding the Honorary Fellowship as follows:

1. Dr S K Tamotia
2. Prof G S N Raju
3. Prof A K Grover

#### 4. Sri N Sai Babu

##### Admission to Fellowship

The Council considered the recommendation received from Honorary Fellowship Committee and approved the name of Dr Swati Mohanty for Fellowship.

##### Organizational Members

Arulmigu Meenakshiamman College of Engineering applied through Dr K Muthukumar, Honorary Regional Secretary, Chennai Regional Centre, IChE for Life Organizational Membership of the Institute along with Cheque of requisite amount of Rs. 11,000/- towards Admission Fees and Life subscription Fees. The Council approved the same.

Sriram Engineering College, Perumalpattu, Veppampattu, Tamil Nadu applied for Life Organizational Membership of the Institute along with Cheque of requisite amount of Rs. 11,000/- towards Admission Fees and Life subscription Fees. The Council approved the same.

##### Regional Centres Affairs

###### Approval of New Student Chapters

The Council approved formation of Student Chapter at the Department of Chemical Engineering, AISSMS College of Engineering, Pune, under the guidance of Pune Regional Centre.

The Council approved the formation of student chapter in the Department of Chemical Engineering, MBM Engineering College, Jodhpur, under the guidance of Jaipur Regional Centre.

The Council approved the formation of student chapter in the Department of Chemical Engineering, Vishwakarma Institute of Technology, Pune, under the guidance of Pune Regional Centre.

The Council approved the formation of student chapter in the Department of Chemical Engineering, Aligarh Muslim University, Aligarh, under the guidance of Northern Regional Centre.

#### 4.4 6<sup>th</sup> meeting for 2014, held at Dr SSBUIC, Panjab University, Chandigarh, on December 26, 2014

##### Matters deferred from earlier and those arising out of previous meetings

It was discussed and resolved in the last meeting that the imprest cash limit for IChE office would be increased from Rs. 3,000/- to Rs. 5,000/-. But it was not incorporated in the minutes of the last meeting.

The Council reiterated its earlier decision and requested Honorary Secretary and Honorary Treasurer to take appropriate action on the matter.

Mrs. Sheela pointed the omission of the discussion held in the last meeting and resolution therein regarding training programme at Dr. Reddy's Laboratory to be conducted in conjunction with Hyderabad Regional Centre of IChE. The members considered the issue and reiterated its earlier decision that the classes would be conducted by the experts to be provided by Hyderabad Regional Centre and participation certificate would be given on completion of training programme. It was further decided that the Hyderabad Regional Centre would not bear any financial support for the stated programme.

The stated resolution adhered to the earlier decision taken in the 4<sup>th</sup> meeting of the Council for the year 2013 held on 14.09.2013 based on a proposal from Mr. S. Padmanabhan, Director – HR, Dr. Reddy's Laboratory through his letter of 16.08.2013 for working out a one-year 'Integrated Learning Programme' for its employees and conducting the programme through weekly classes, which runs as follows:

"The Council decided that it would be the affair between the industry and the concerned Regional Centre of IChE. IChE would provide the faculty only for conducting the course. Remuneration to the experts, if any and the other cost for conducting the course would be borne by Dr. Reddy's Laboratory. It was further decided that certificate to the participants would be given by the concerned Regional Centre of the Institute.

Based on the experience gathered by the Hyderabad Regional Centre, a guideline would be framed so as to facilitate organization of such type of courses by other Regional Centres."

##### Chemcon

###### CHEMCON 2015

Prof Bishnupada Mandal, Organising Secretary, CHEMCON 2015 forwarded an email dt. 18.12.2014 to the Honorary Secretary requesting for approval of the First Circular for printing and also for consideration of the Revised Registration Fees of different categories. The Council after a long deliberation approved the registration fee as below:

Category	Rate	
	Before 30 August 2015	After 30 August 2015
IChE Members	Rs. 2500/-	Rs. 3000/-
Non-Members	Rs. 5000/-	Rs. 5500/-
Non-Member includes Life Membership Fees (Rs.	Rs. 7000/-	Rs. 7500/-

4450/-) subject to proof of eligibility)		
Students (IChE-Members)	Rs. 1000/-	Rs. 1500/-
Students (Non-Members)	Rs. 1500/-	Rs. 2000/-
Senior IChE Members (Over 65 Years)	Rs. 1000/-	Rs. 1500/-
Accompanying Spouse (All Categories)	Rs. 1500/-	Rs. 1500/-
Foreign delegates	US\$ 400	US\$ 450
AChE / IChemE Members	US\$ 150	US\$ 200
Accompanying Spouse(All Foreign Delegates)	US\$ 100	US\$ 100

#### Chemcon-2016

The Council after a long deliberation, decided that CHEMCON 2016 would be hosted by Chennai Regional Centre and opined that Mr Sadanand would be requested to send the BID form to HQ before the 2<sup>nd</sup> meeting of the Council.

#### Award

Chemcon Distinguished Speaker (CDS) Awards for 2014

The Council noted the following names of the speakers recommended by CDS Committee:

No.	Name of the Award and criteria	Contact Persons from Donors	Speaker
01.	AshlandBharat RatnaProf C N R Rao Medal and ChemconDistinguished Speaker Award  (for an outstanding scientist who is for INSA Fellows or Bhatanagar Prize Winners or Fellows of Foreign Academies)	Mr. NandkumarDhekne Managing Director Ashland E-mail: <a href="mailto:NDhekne@Herc.com">NDhekne@Herc.com</a> .	Prof. K. N. Ganesh Director, Indian Institute of Science, Education and Research Pune
02.	RPG Life Science Prof M M Sharma Medal and Chemcon Distinguished Speaker Award  (for INSA Fellows or Bhatanagar Prize Winners or Fellows of Foreign Academies)	Managing Director RPG Life Sciences Ltd. CeatMahal 463 Dr A B Road Prabhadevi, Worli Mumbai 400 025 Tel : (022) 498 1650 (O) ; 460 4719(D) Fax: (022) 497 0127	Prof. Sourav Pal Director, National Chemical Laboratory, Pune
03	Asian Paints Padma BibhushanDr R A Mashelkar Medal and Chemcon Distinguished Speaker Award  (for leadership in Science, Technology and Education)	Mr. Ashwin Dani Vice-Chairman & Managing Director Asian Paints (India) Limited Asian Paints House 6A, Shantinagar, Vakola Santacruz (E) Mumbai 400 055 Tel : (022) 26958000 Fax: (022) 26958888 E-mail: <a href="mailto:ashwindani@apaints.com">ashwindani@apaints.com</a>	Dr Murali Sastry Director, DSM India Innovation Centre- Gurgaon/Pune
04.	Deepak Group's Padma Bhushan Prof L K DoraiswamyChemcon Distinguished Speaker Award	Mr. Shailesh Mehta Managing Director Deepak Fertilizers and Petrochemicals Corpn. Ltd. Opp. Golf Course Shastri Nagar Yerawada Pune 411 006 Tel : (020) 668 4155, 668 4420 Fax: (020) 668 9944, 668 7499 E-mail: <a href="mailto:dcmehta@deepaknitrite.com">dcmehta@deepaknitrite.com</a>	Prof. Katsumi Tochigi, Emeritus Professor of Nihon University, <a href="mailto:tochigi.katsumi@nihon-u.ac.jp">tochigi.katsumi@nihon-u.ac.jp</a>
05.	Chemical Weekly's PadmashriDr G P Kane Chemcon Distinguished Speaker Award	Mr. Ravi Raghavan Editor-Chemical Weekly Chemical Weekly / Sevak Publications 602-B Godrej Coliseum Off. SionTrombay Road Behind Everard Nagar	Professor Yen Wah TONG Dept of Chemical and Biomolecular Engineering  National University of Singapore

		Sion (East) Mumbai 400 022 Tel : (022) 2404 4471 / 72 / 73 / 76 / 77 Fax: (022) 2404 4450 E-mail : <a href="mailto:ravi@chemicalweekly.com">ravi@chemicalweekly.com</a> , <a href="mailto:abhi@chemicalweekly.com">abhi@chemicalweekly.com</a>	Email: <a href="mailto:chetyw@nus.edu.sg">chetyw@nus.edu.sg</a>
06.	IICT-Avon Padmashri Chemcon Distinguished Speaker Award	Dr. M. Lakshmikantam Director Indian Institute of Chemical Technology Hyderabad 500 007 Tel : 91-040-2719 3030 / 2719 3234 Fax: 91-040-2716 0387 E-mail: <a href="mailto:yadav@iict.res.in">yadav@iict.res.in</a> / <a href="mailto:jsyadav@iict.res.in">jsyadav@iict.res.in</a>	Mr. R.S.Sierra, MD, Hurshan Corp Canada Ravinder Sierra < <a href="mailto:rsierra@shaw.ca">rsierra@shaw.ca</a> >
07.	Hetero Drugs Prof G S LaddhaChemcon Distinguished Speaker Award	Dr. B ParthaSarathi Reddy Chairman & Managing Director Hetro Drugs Limited "Hetro House" H.No. 8-3-166/7/1, Erragadda Hyderabad 500 018 Tel : (040) 370 4923 Fax: (040) 370 4926 / 371 4250 E-mail: <a href="mailto:contact@hetrodugs.com">contact@hetrodugs.com</a>	Dr.L.M.Manocha Professor of Materials Science & Nanomaterials & Centre for Advanced Studies in Carbon and Nanomaterials Sardar Patel University VallabhVidyanagar - 388120, INDIA e.mail: <a href="mailto:manocha52@rediffmail.com">manocha52@rediffmail.com</a> ; <a href="mailto:lalitmanocha@gmail.com">lalitmanocha@gmail.com</a>
08.	HikalChemcon Distinguished Speaker Award	Mr. Jai Hiremath Managing Director Hikal Ltd. 717/718, Maker Chambers V 7 <sup>th</sup> Floor, Nariman Point Mumbai 400 021 Tel : (022) 230 1801 Fax: (022) 283 3913 E-mail: <a href="mailto:jai_hiremath@hikal.com">jai_hiremath@hikal.com</a>	Prof. Tomoya Tsuji, Professor of Nihon University, Japan <a href="mailto:tsuji.tomoya@nihon-u.ac.jp">tsuji.tomoya@nihon-u.ac.jp</a>
9.	Sartorius India Chemcon Distinguished Speaker Award  (for biotechnology)	Mr. Cherian Philip Managing Director Sartorius India Pvt. Ltd. 10, 3 <sup>rd</sup> Phase Peenya, 6 <sup>th</sup> Main KIADB Industrial Area Bangalore 560 058 Tel : (080) 839 1963 / 0461 / 0102 / 0290 Fax: (080) 839 8262 E-mail: <a href="mailto:co-bang@sartorius-india.com">co-bang@sartorius-india.com</a>	Prof D. Mukesh Department of Biotechnology IIT-Madras
10.	United Phosphorus Chemcon Distinguished Speaker Award	Mr. Rajjubhai Shroff Chairman & Managing Director United Phosphorus Ltd. Uniphos House, Madhu Park 11 <sup>th</sup> Road, CD Marg Khar Mumbai 400 052 Tel : (022) 604 1111 Fax: (022) 604 1010, 604 8569 E-mail: <a href="mailto:ravi@chemicalweekly.com">ravi@chemicalweekly.com</a>	SarmaPisupati, Ph.D., Professor and Chair of the Energy Engineering Program Director of Online Education John and Willie Leone Family Department of Energy and Mineral Engineering Co-Director, Coal Science and Technology Program, EMS Energy Institute 126B Hosler Building Penn State University University Park PA 16802
11.	CSMCRIChemcon Distinguished Speaker Award	Director Central Salt & Marine Chemicals Research Institute GijubhaiBadheka Marg Bhavnagar 364 002 Gujarat Tel : (0278) 2569496 (O); 2562610 (R)	Prof. S.S. Bhagwat, Head Department of Chemical Engg., ICT, Mumbai-400019

		Fax: (0278) 2567562	
12.	CLRIDr Y NayudammaChemcon Distinguished Speaker Award	Prof DrAsitBaran Mandal Director Central Leather Research Institute Adyar Chennai 600 020 Tel : (044) 2491 0897/0846 Fax: (044) 491 2150 / 491 1589 E-mail: <a href="mailto:clrim@vsnl.com">clrim@vsnl.com</a> , <a href="mailto:abmandal@clri.info">abmandal@clri.info</a> , <a href="mailto:admamdal@hotmail.com">admamdal@hotmail.com</a>	Dr Raj Sardesai IPR Consultant USA
13.	DOST Professor S K Sharma Medal and Chemcon Distinguished Speaker Award	MrVipulNegi Secretary Development Organizational for Sustainable Transformation H.No. 2025, Sector 15-C Chandigarh 160 015 Ph: 541 944(0) Fax: 0172-541944	Mr Praveen Saxena Director and CEO Blast CarboPvt Ltd
14.	CHEMCON NEERI Distinguished Speaker Award	Director National Environmental Engineering Research Institute Nehru Marg Nagpur 440 020 Tel : 91-712-2249999 (O), 2240066 (R) Fax: 2249900 E-mail: <a href="mailto:dirneeri.ngp@sancharnet.in">dirneeri.ngp@sancharnet.in</a>	Prof. Izumi Hirasawa, Professor of Waseda University, Japan  <a href="mailto:izumih@waseda.jp">izumih@waseda.jp</a>

### Membership

#### Termination

The Coordinator of IICe Student's Chapter at St Joseph's College of Engineering, Chennai, has requested for deletion of the names of 80 student members from membership list because they have left from the institution and are not traceable. Council noted the same.

### Examination

The Council noted that the results of March 2014 Home Paper Examination had been published on September, 2014. The following 46 candidates came out successfully out of 70 candidates appeared. The names of the successful candidates are listed below:

Sl. No.	Name	Roll No.	Sl. No.	Name	Roll No.
1	Mr Chetan Manohar Purav	99/S3/73	13	Mr Sachin Tanaji Pawar	05/S5/360
2	Mr Mahesh Dineshbhai Parikh	99/M7/587	14	Mr Mayur B Dalwadi	06/M6/76
3	Mr Dyutimoy Dhak	01/S10/280	15	Mr Surendra Kumar	06/S6/327
4	Mr Mogileswara Rao Dasari	02/S3/154	16	Mr Shantanu Dutta	06/S6/382
5	Mr Brij Nandan Singh	03/S3/330	17	Mr Raju Basak	06/S6/457
6	Mr Pinagadi Anil Sekhar	04/S4/6	18	Mr Hari Om	07/M7/121
7	Mr Goli Narasaiah	04/S4/83	19	Mr Ashok Kumar Srivastava	08/M8/66
8	Mr Nirmalya Das	04/M4/89	20	Mr Alok Kumar Singh	08/M8/189
9	Mr Devananda Nayak	04/S4/120	21	Mr Sandeep Kumar Srivastava	08/M8/200
10	Mr Mahesh Vashisht	04/S4/126	22	Mr Shrikant Tukram Belamkar	08/M8/213
11	Mr Sunil Moar	05/M5/61	23	Mr Sarbjit Singh	08/S8/223
12	Mr Asis Kumar Mandal	05/S5/218	24	Mr Sanjai Kumar Srivastava	08/S8/227
25	Mr Mukesh Arun Patil	08/S8/302	36	Mr Ashutosh B Pimplekar	10/M10/113
26	Mr Deepak	08/S8/410	37	Mr Rajnish K Shrivastava	10/M10/114
27	Mr Samir Vithoba Patil	08/S8/414	38	Mr Atul Kumar	10/M10/239
28	Mr M Pandurung Gharat	08/S8/415	39	Mr Bibhuti Bhusan Padhy	10/S10/507
29	Mr Narayan Parua	08/S8/438	40	Mr Ramesh Singh Yadav	10/S10/517
30	Mr Amit Kumar Das	09/M9/39	41	Mr Avinash Kumar	10/S10/526
31	Mr Yogesh Kumr Srivastava	09/M9/190	42	Mr K Rajesh Kumar	10/S10/530
32	Mr Mukesh Shukla	09/M9/208	43	Mr Muthulakshmanan A	11/M11/110
33	Mr Atul Saxena	09/M9/225	44	Mr Chandramohan T	11/M11/177
34	Mr Relwin Clever Ferrao	09/S9/387	45	Mr Deva Nand Sharma	11/M11/303

35	Mr M A Shaji	09/S9/398	46	Mr S Nagendra Babu	12/M12/69
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Extension of time

Mr Krishnakumar Thakur, Roll No. 97/S3/361, a student of AMIIChE, has sent an email dated 5.12.2014 requesting to give permission for extension of time period for improves the percentage of marks. The Council decided to allow Mr Krishnakumar Thakur for one more semester.

Mr Pradip Yogi, Roll No. 99/S3/381, a student of AMIIChE, has sent an email dated 10.12.2014 requesting the Honorary Secretary to extend some more time to complete the examination. He has passed 15 papers out of 17 theory papers and Home Paper. He has already completed the stipulated 15 years during his studies. The Council decided to extend the time period for one more year to Mr Pradip Yogi.

### **Regional Centre Affairs**

Prof M V Rao submitted an application (along with the signatures of 22 members) addressing the Honorary Secretary requesting to start new Regional Centre at Guntur where more than 46 members are residing. Council approved the formation of Regional Centre at Guntur.

Student Chapters

The Council approved formation of Student Chapter at Department of Chemical Engineering, Amal Jyothi College of Engineering, Kanjirapally, Kottayam, under the guidance of Kochi Regional Centre.

The Council approved formation of Student Chapter at Department of Chemical Engineering, Sitarambhai Naranji Patel Institute of Technology and Research Centre, Bardoli, Surat under the guidance of Ankleshwar Regional Centre.

### **4.5 1<sup>st</sup> meeting for 2015 held at Dr SSBUICT, Panjab University, Chandigarh on December 29, 2014**

#### **Election of President**

Mr G V Sethuraman was unanimously elected as the President of the Institute for the year 2015.

#### **Election of Vice Presidents**

Mr D M Butala and Prof V V Basava Rao were unanimously elected as the Vice Presidents of the Institute for the year 2015.

#### **Co-option of Members to the Council (not more than 3) as provided in Rule 24.1 of the Constitution**

The Council after a long deliberation, co-opted Dr Bishnu Pada Mandal as Co-opted Council Member for the year 2015.

#### **Election of other Office Bearers**

The Council elected Prof P De as the Honorary Secretary, Dr Alpana Mahapatra as the Honorary Joint Secretary, Mr Dipak Dutta as the Honorary Treasurer, Dr Anil Kumar Saroha as the Honorary Editor, Prof C Karthikeyan as the Honorary Controller of Examinations and Prof S V Satyanarayana as Honorary Registrar for the year 2015.

### **4.6 2<sup>nd</sup> Meeting for 2015 held at RVR & JC College of Engineering, Guntur, A.P. on February 7, 2015**

#### **Publication**

Prof P De reiterated the earlier decision taken by the council in its 5<sup>th</sup> meeting of the year 2014 about non-inclusion of Sec. B in ICE from 2015, and requested the members to consider the avenue of reaching the contents published in Sec. B as well as the articles of Memorial lectures being delivered during CHEMCON to the members of IChE. The members after discussion decided to include the mentioned articles in the Newsletter of the Institute.

#### **Examination**

Extension of time

Prof P De informed receipt of a communication through Email dated the 16<sup>th</sup> January 2015 from Mr Jai Ganesh, a pass out candidate in March -2013 of AMIIChE examination, wherein he mentioned that he applied for improvement examination in March and September 2014, but could not appear in September examination due to some accident. Mr Ganesh also mentioned that it would not be possible for him to appear at March 2015, the stipulated time period for appearing improvement examination, as advised by doctor. Mr. Ganesh in view of the stated fact, requested for allowing him to appear at the September 2015 examination. The Council considered the request and allowed Sri Ganesh to appear at September 2015 AMIIChE examination.

The members discussed the issue of allowing the candidates to appear at further examinations for enhancement of marks after qualifying for AMIIChE Diploma, and decided not to entertain henceforth such request.

## Website

The members decided that the updating and maintenance of the Website would have to be done by the Hd. Qtrs., and requested Honorary Secretary to do the needful for the same.

## Regional Centre Affairs

The Council approved the formation of Student Chapter in the Department of Chemical Engineering, Rajiv Gandhi Institute of Petroleum Technology, Bareilly (U.P.) under the guidance of either Lucknow or Kanpur Regional Centre of IICChE.

## Other Items

Mr G V Sethuraman apprised the members about the discussion he had with Mr Shyam Bang who had an interaction with FICCI, Delhi Office regarding skill development project of GOI for technical personnel. The invitation from FICCI seeking support of IICChE in the form of a FICCI-IICChE team for the programme was also mentioned. It was further transpired that a meeting would be held at Vadodara in the month of February on the subject.

The Council deliberated on the issue and accepted the proposal in principle. The council further requested Mr D M Butala to attend the meeting of the FICCI to be held at Vadodara.

## 5 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 A K Saxena
- b. Chemical Division Council  
Principal Nominee - Prof S K Sharma  
Alternate Nominee - Dr S Mukherjee
- c. Basic Chemical Engineering Standards  
Principal Nominee - Prof K D P Nigam  
Alternate Nominee - Dr R N Trivedi
- d. Process Vessels Sub-committee  
Principal Nominee - Dr P G Rao  
Alternate Nominee - Prof B K Guha
- e. Heat Generation & Heat Transfer Equipment Sub committee  
Principal Nominee - Prof K J R Sarma  
Alternate Nominee - Dr V K Srivastava
- f. Crushing & Grinding Equipment Sub-committee  
Principal Nominee -
- g. Size Separation & Filtration Sub-committee  
Principal Nominee - Mr Sunil Kapadia  
Alternate Nominee - Prof S Basu
- h. Drying Equipment Sub-committee  
Principal Nominee - Mr Jai Uppal  
Alternate Nominee - Dr M K Bhattacharjee
- i. Packing & Gasket Sectional Committee  
Principal Nominee - Dr Amalendu Datta
- j. Refrigeration & Airconditioning Sectional Committee  
Principal Nominee – Dr D Sathiamoorthy  
Alternate Nominee - Dr Sudip K Das

### 2) Asia Pacific Confederation of

**Chemical Engineering** - Prof G J V J Raju

### 3) Engineering Council of India -

Mr D P Misra and Prof V K Srivastava

### 4) World Council of Chemical Engineering -

Mr K Venkataramanan

### 5) Technical Advisory Board – Chemical Science & Technology, CSIR - Prof A K Mitra

## 6.0 Membership Position

The number of applications received for membership during the period under review (April 1, 2014 to March 31, 2015) were 3865. Of this 3864 were approved by the Council, all of whom were admitted.

Membership position as on 31 March 2015 is given below along with the corresponding figures as on March 31, 2014 and March 31, 2013:

	March 31, 2015	March 31, 2014	March 31, 2013
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Organisational Member (Life)	58	58	58
Organisational Member (Annual)	60	58	58
Honorary Fellow	126	122	123
Fellow (Life)	99	100	99
Fellow	32	32	41
Member (Life)	5001	4737	4615
Member	759	757	1631*
Life Associate Member	2378	2122	2023
Associate Member	947	912	2774*
Student Member	12157*	13824	11829*

\*2306 Student Members have been terminated as on 31.03.2015. 2775 Corporate Members have been terminated on 14.09.2013.

The number of members attached to each of the Regional Centres (as on March 31, 2015) are as follows:

Sl. No	Regional Centre	No. of Members
1.	Ahmedabad	185
2.	Ankleshwar	580
3.	Annamalai	351
4.	Bangalore	584
5.	Baroda	386
6.	Bhubaneswar	253
7.	Calcutta	924
8.	Chandigarh	485
9.	Chennai	1490
10.	Coimbatore	267
11.	Damanjodi	132
12.	Doaba	64
13.	Guwahati	82
14.	Guntur	50
15.	Haldia	255
16.	Hyderabad	853
17.	Jaipur	84
18.	Kalpakkam	86
19.	Kanpur	165
20.	Kharagpur	83
21.	Kochi	453
22.	Lote	82
23.	Lucknow	125
24.	Mangalore	144
25.	Mumbai	1233
26.	Nadiad	202
27.	Nagpur	157
28.	Northern	573
29.	Paradeep	24
30.	Pilani	138
31.	Pondicherry	48
32.	Pune	581
33.	Rourkela	71
34.	Trivandrum	407
35.	Vapi	71
36.	Waltair	427

The following organizations were admitted as organizational members of the Institute upto March 31, 2015:

**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. Haldor Topsoe International A/S, New Delhi
17. Heavy Water Board, Mumbai
18. Hercules Speciality Chemicals (India) Pvt. Ltd., Bangalore
19. Herdillia Chemicals Ltd., Mumbai
20. Hetero Drugs Ltd., Hyderabad
21. Hikal Ltd., Taloja, Maharashtra
22. Hindustan Dorr-Oliver Ltd., Mumbai
23. Hindustan Latex Ltd., Thiruvananthapuram
24. Indian Oil Corprn Ltd., Refinery Divn, New Delhi
25. Jacobs H&G Pvt. Ltd., Mumbai
26. Kavaerner Powergas India Ltd., Mumbai
27. Kavin Engineering & Services Pvt. Ltd., Coimbatore
28. Labindia Instruments Pvt. Ltd., Thane
29. Llyod's Register of Shipping, New Delhi
30. Mecon Ltd., Ranchi
31. MMTC-PAMP India Pvt. Ltd., New Delhi
32. National Organic Chemicals Industries Ltd., Mumbai
33. Oil and Natural Gas Corporation Ltd., Dehradun
34. Pidilite Industries Ltd., Mumbai
35. RPG Life Sciences Ltd., Mumbai
36. Sartorius India Pvt. Ltd., Bangalore
37. Sud-Chemie Inda Ltd. (United Catalyst India Ltd.), Mumbai
38. Themis Medicare Ltd., Mumbai
39. Toyo Engineering India Ltd., Mumbai
40. TUV Sud South Asia Pvt. Ltd., New Delhi
41. United Phosphorus Ltd., Ankleshwar, Gujarat
42. Vical Inc., USA

#### **Permanent Organisational Members – Research & Educational Institutes**

1. Central Leather Research Institute, Chennai
2. Central Salt & Marine Chemicals Research Institute, Bhavnagar
3. Chaitanya Bharathi Institute of Technology, Hyderabad
4. Heritage Institute of Technology, Kolkata
5. High Energy Material Research Laboratory, Pune
6. Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu
7. Indian Institute of Chemical Technology, Hyderabad
8. Regional Research Laboratory, Jorhat
9. National Chemical Laboratory, Pune
10. National Productivity Council, Chennai
11. SSBT's College of Engineering & Technology, Jalgaon, Maharashtra
12. Sathyabhama Engineering College, Chennai
13. St. Joseph's College of Engineering, Chennai
14. Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu
15. Swami Ramananda Tirtha Institute, Nalgonda
16. Vikram Sarabhai Space Centre, Thiruvananthapuram

#### **Ordinary Organisational Members – Industry**

1. Andhra Sugar Ltd., Tanuku

2. Aventis Pharma Ltd., Bharuch
3. Beta Concepts, Hyderabad
4. Bharat Aluminium Co. Ltd., 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. Chemplat Sanmar Ltd., Chennai
11. Coromandel 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 Travancore Ltd. (FACT), Udyogmandal
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 Divison, Mumbai
35. Narmada Chematur Petrochemicals Ltd., Varuch
36. Nuchem Ltd., Faridabad
37. Nuclear Fuel Complex, Hyderabad
38. Saurashtra Cement Ltd., Gujarat
39. Sayantan Consultants Pvt. Ltd., Calcutta
40. Search Chem Industries Ltd., Jhagadia
41. Shriram Alkali & Chemicals, Bharuch
42. Shriram Fertilizers & Chemicals, New Delhi
43. Southern Petrochemical Industries Corp. Ltd., Chennai
44. Sun Pharmaceutical, Panoli
45. Surya Organics and Chemicals, Ankleshwar
46. Standard Industries Ltd., Mumbai
47. Standard Certification Council Pvt. Ltd., Mumbai
48. TCP Ltd., Chennai
49. Tata Chemicals Ltd., Mithapur
50. Textile Rubber & Chemical Co Pvt Ltd, Bhadohi
51. Trident Alco-Chem Ltd., Ludhiana
52. Vihita Chem Pvt. Ltd., Aankleshwar
53. Zuari Agro Chemicals Ltd., Zuarinagar, Goa
54. Zandu Chemicals Ltd., Ankleshwar

#### **Ordinary Organisational Members – Research & Educational Institutes**

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

## 7.0 Associate Membership Examination

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

Year	No. of Candidates
2005	1762
2006	1676
2007	1529
2008	1749
2009	1999
2010	2222
2011	2406
2012	2495
2013	2283
2014	1872

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

Year	Semester	No. Appeared	No. Passed	% of successful candidates
2004	March	29	27	93.1
	September	49	44	89.7
2005	March	41	39	95.1
	September	30	28	93.3
2006	March	27	21	77.8
	September	60	58	96.7
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

## 8.0 Students' CHEMCON

The 10<sup>th</sup> Students' Chemical Engineering Congress (SCHEMCON) 2014 was held at the Department of Chemical Engineering, HIT, Haldia, during September 19-20, 2014. It was organized jointly by the IChE Students' Chapter at the Department of Chemical Engineering, Haldia Institute of Technology and the Haldia Regional Centre. The theme of SCHEMCON 2014 was "New Horizon in Chemical Engineering Applications".

The congress was inaugurated by our Chief Guest, Prof Ch V Ramachandra Murthy, President, Indian Institute of Chemical Engineers (IChE). Other delegates present were Mr A C Mishra, Chairman, HRC, IChE & Executive Director, Indian Oil Corporation Limited (IOCL), Haldia, Prof D Ganguly, Director-In-Charge, Haldia Institute of Technology (HIT), Dr A Mishra, Registrar, HIT, Mr A N Pal, Dy. Chairman, HRC, IChE & DGM, IOCL, Prof A K Mitra, Past President, IChE, Prof G B Nando, Prof IIT, Kgp, Prof V K Ratan, Past president, IChE, Mr A K Dey, Head Plant, Electrosteel Cast Limited, Haldia, Mr A Purohit, VP-Commcl. & HR, Dhunseri Petro Chem., Mr S Verma, GM-HMC, Tata Steel., and Mr A K Sarkar – Chief Operation Manager, EXIDE Ind. Ltd.

Total student delegates of 500 from 60 premier Institutes of our country participated in SCHEMCON 2014. Also there were accompanying faculty members from various institutes, the keynote speakers and the session chairs/judges.

There were total 339 Technical Papers presented in 18 Technical Sessions of which 1 plenary lecture, 7 invited talks, 243 oral presentations and 88 poster presentations. Apart from this many papers were accepted for M P Chary Memorial Award presentations.

## 9.0 Institute's Library

We have in our stock 991 number of books, 209 bound journals, 45 weekly, 32 monthly, 1 bimonthly, 5 quarterly issues of journals and 2 books (complimentary copy) received during the year.

## 10.0 Regional Centres Affairs

Annual Report for the FY 2014-15 has not been received from the following Regional Centres:

1) Ahmedabad, 2) Chandigarh, 3) Kalpakkam, 4) Paradeep, 5) Rourkela and 6) Waltair.

### A) Executive Committees for the year 2014-15

#### 10.1 Ahmedabad Regional Centre

**Committee:** Not received

#### 10.2 Ankleshwar Regional Centre

**Committee:**

**Chairman:** Mr V K Nema, **Vice-Chairman:** Mr B D Deshmukh, Mr M A Hania, Mr S Sankaranarayanan, Mr D M Gandhi **Honorary Regional Secretary:** Mr Nitin Patel, **Honorary Regional Treasurer:** Mr M I Shamsi, **Honorary Regional Jt Secretary:** Mr Sunil Motiramani, **Honorary Regional Jt Secretary, Dahej:** Mr Yusuf Hussain, **Honorary Regional Jt Secretary, Bharuch:** Mr R R Khandpur, **Honorary Regional Jt Secretary, Ank :** Mr N B Saraiya, Mr K H Pandit , **Members:** Mr S I Thakar, Mr A K Sahni, Mr R Senjalia, C J Patel, Mr B D Dalwadi, Mr A I Shaikh, Mr Jayen Mehta , Mr Rajesh Kumar, , Mr Harkishan Asnani, Mr BJ Patel , Mr Shantanu Das, S Tralsawala ,Mr Dinesh Patel & Prof S J Wagh **Immediate past Chairman :** Mr Sushil Kumar

#### 10.3 Annamalai-Neyveli Regional Centre

**Committee:**

**Chairman :** Dr C Karthikeyan, **Vice-Chairman :** Dr V Vijayagopal, **Honorary Regional Secretary :** Dr R Saravanan, **Honorary Regional Joint Secretary:** Dr M Rajasimman ,**Honorary Treasurer :** Dr R T Viruthagiri **Members :** Dr Rm Meyyappan, Dr R Dhanasekar, Dr B Suresh, Dr S Dhanasekaran, Dr K Manikandan, Dr T R Manikandan, Dr P Elavarasan, Dr B Sivaprakash, Dr S Subhagar & Mr M Ebisankar

#### 10.4 Bangalore Regional Centre

**Committee:**

**Chairman:** Prof G A Shareef, **Vice-Chairman:** Dr Anand B Halgeri, **Honorary Regional Secretary:** Dr Brijesh, **Honorary Regional Jt Secretary:** Mr V Venkatesham , **Honorary Regional Treasurer:** Dr G M Madhu **Members:** Mr P T Raghuram, Mr K R Ananth, Mr S Swaminathan, Mr G Kishore Kumar, Mr K A Badarinarayana, Smt Suneetha T B, Mr P L Muralidhara & Mr J Koteswara Rao Co-op: Prof Y J Rao

#### 10.5 Baroda Regional Centre

**Committee:**

**Chairman:** Mr K Sudhakar, **Past Chairman :** Mr P Vijayaraghavan, **Vice-Chairman:** Mr Pinaki Deshmukh & Mr R K Desai, **Honorary Regional Secretary:** Mr Nikhil U Tonapi , **Honorary Regional Jt Secretary;** Mr Vipul Mehta, **Honorary Regional Treasurer :** Prof N M Surana, **Members:** Mr M G Patel, Mr Nitin Bhate, Mr Brijesh Trivedi, Mr P R Sheth, Mr Nikunj Parekh, Manan Joshi & Mr Sameer Bhatt

#### 10.6 Bhubaneswar Regional Centre

**Committee:**

**Chairman:** Prof G K Roy, **Vice-Chairman :** Mr J N Mohanty, **Honorary Regional Secretary:** Dr Swati Mohanty, **Honorary Jt Secretary::** Dr Ranjita Swain, **Honorary Regional Treasurer:** Dr Kadambini Sarangi, **Members:** Mr S C Mishra, Mr J J Rath, Dr P C Rath, Mr B K Behera, Dr Pratima Mishra

#### 10.7 Calcutta Regional Centre

**Committee:**

**Chairman:** Mr Asok Kumar Das, **Vice-Chairman:** Prof Asit Majumder, **Honorary Regional Secretary:** Mr Sushanta Kr Roy, **Honorary Regional Jt Secretary:** Mr Abhyuday Mallick , **Honorary Regional Treasurer:** Dr Bimal Das,

**Members:** Prof B N Srimani, Prof Sarajit Basu, Prof N K Brahma, Dr Sarmistha Bose, Prof (Dr) Swami Vedajnananda & Prof (Mrs) Ranjana Choudhury

#### 10.8 Chandigarh Regional Centre

##### Committee:

**Chairman:** Prof S K Sharma, **Vice-Chairman:** Mr Sandeep Sharma, **Honorary Regional Secretary :** Prof V K Rattan, **Honorary Regional Joint Secretary:** Mr K G Sharma, **Honorary Regional Treasurer:** Prof R K Chhabra, **Members:** Mr Vivek Gupta, Mr Deepak Mehan, Mr Gautam Kalra, Dr Anupama Thakur, Dr Gaurav Rattan, Dr Ritu Gupta, Prof R K Wanchoo, Prof U S Shivhare, Prof Meenakshi Goyal, Prof Anupama Sharma, Prof Seema Kapoor & Dr Sushil Kansal

#### 10.9 Coimbatore Regional Centre

##### Committee:

**Chairman:** Dr Sriram Devanathan, **Vice-Chairman:** Mr M Ram Mohan, **Honorary Regional Secretary:** Dr M Thirumarimurugan, **Honorary Regional Jt Secretary :** Dr K Kannan, **Honorary Regional Treasurer:** Dr V M Sivakumar, **Members:** Prof.Dr T.Kannadasan, Dr A Sivalingam, Dr D Pabhakaran, Mr S Ramachandran, Mr R Sriprabu, Mrs Anitha Sriprabu, Dr V Sivakumar, Prof K Senthilkumar, Dr Murali Rangarajan, Dr Udhaya Bhaskar Reddy

#### 10.10 Chennai Regional Centre

##### Committee:

**Chairman:** Dr N Bala Subramanian, **Vice-Chairman:** Prof R Dorairaj, **Honorary Regional Secretary:** Mr K Sadanand, **Honorary Regional Jt Secretary:**Dr G Baskar, **Honorary Regional Treasurer:** Dr B S Naveen Prasad , **Members :** Dr G Venkatarathinam, Mr S Sekar,Dr M P Rajesh, Dr D Joshua Amarnath, Dr R Parthiban, Dr G Rajasekar, Dr S Renganathan, Dr K Muthukumar (Ex-officio), **Co-opted Members:** Mr Anantharaman, Dr K Ramakrishnan & Mrs Lakshmi Vaideeswaran

#### 10.11 Doaba Regional Centre

##### Committee:

**Chairman:** Dr M K Jha, **Vice Chairman:** Dr Ajay Bansal, **Honorary Regional Secretary:** Mr Shailendra Bajpai, **Honorary Regional Jt Secretary :** Mr Nitai Basak, **Honorary Regional Treasurer :** Mr Kamoj Kumar, **Members :**Dr, A K Jana, Ms Sangeeta Garg, Mr Baljeev Kumar, Mr Manoj Kumar Jindal

#### 10.12 Damanjodi Regional Centre

##### Committee:

**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

#### 10.13 Guntur Regional Centre

Newly formed. Approved by the Council in its 6<sup>th</sup> Meeting held on 27.12.2014

#### 10.14 Guwahati Regional Centre

##### Committee:

**Chairman:** Prof V S Moholkar, **Vice-Chairman:** Mr P K Dutta, **Honorary Regional Secretary:** Dr Rajesh K Upadhyay, **Honorary Regional Jt Secretary:** Dr Pankaj Tiwari, **Honorary Regional Treasurer:** Dr Vimal Katiyar, **Members:** Dr A K Ghoshal, Prabir Kumar Saha, Prof Bishnupada Mandal, Dr Mihir K Purkait, Dr Animesh Golder, Dr Tapas K Mandal, Dr Ashok K Dasmahapatra, Dr Amit Kumar, Atanu Kumar Paul, Mr Gourhari Chakraborty & Prof R Choudhury

#### 10.15 Hyderabad Regional Centre

##### Committee:

**Chairman:** Smt Sheela, **Vice-Chairman:** Dr Vijay Kale & Prof R Sreedhar Rao , **Honorary Regional Secretary:** Mr E Venkatesham, **Honorary Regional Jt Secretary:**Prof I Balakrishna **Honorary Regional Treasurer:** Mr C P Ramulu, **Members:** Prof P Shashikala, Mr M Misra **C0-opted :** Mr MG V Chalapathi Rao, Mr V Sridharan, Mr D M Reddy, Mr Sunil Kumar, Dr T Balanarsaiah

#### 10.16 Haldia Regional Centre

##### Committee:

**Chairman :** Mr A C Mishra, **Vice-Chairman :** Prof R N Jana, **Honorary Regional Secretary :** Mr S B Kuila, **Honorary Regional Jt Secretary :** Mr B Mandal, **Honorary Regional Treasurer :** Mr S J Sahu, **Members :** Mr A C Mishra, Dr R N Jana, Mr S B Kuila, Mr B Mandal, Mr S J Sahu, Mr Amar Nath Pal, Mr Amaresh Sinha, Mr D N Kundu, Mr A K Dey, Prof Asit Kr Saha, Prof Radha Das, Dr Tapas Kumar Manna, Mr Avijit Ghosh

#### 10.17 Jaipur Regional Centre

##### Committee:

**Chairman:** Dr S P Chaurasia, **Vice-chairman:** Mr S L Arora,, **Honorary Regional Secretary:** Dr Madhu Agarwal, **Honorary Regional Joint Secretary:** Mr Sushant Upadhyaya Dohare, **Members :** Mr V K Jain, Dr R K Vyas, Pankaj Pandey

#### 10.18 Kalpakkam Regional Centre

**Committee: Not received**

#### 10.19 Kanpur Regional Centre:

##### Committee:

**Chairman :** Dr S K Gupta, **Vice-Chairman:** Mr Subhash Sharma, **Honorary Regional Secretary :** Dr Santosh Kumar, **Honorary Regional Jt Secretary :** Mr Ashutosh Mishra, **Honorary Regional Treasurer :** Mr Umesh Chandra Sharma, **Members:** Mr V K Sachan, Dr Pramod Kumar & Dr R K Trivedi (Ex-officio).

#### 10.20 Kharagpur Regional Centre

##### Committee:

**Chairman:** Prof Dibyendu Mukherjee, **Vice-chairman:** Prof Sudarshan Neogi,, **Honorary Regional Secretary:** Prof Arnab Atta, **Honorary Regional Joint Secretary:** Mr Lakshmana Rao Jeeru, **Honorary Regional Treasurer :** Prof Pavitra Sandilya, **Members :** Prof D D Kar, Prof G Kundu, Prof N C Pradhan, Prof Venkat Padmanabhan, Prof Sonali Sengupta

#### 10.21 Kochi Regional Centre

##### Committee:

**Chairman:** Mr Mohan S Menon, **Vice-Chairman:** Mr Sudarsh Kumar, , **Honorary Regional Secretary:** Mr Suresh Kumar P K, **Honorary Regional Jt Secretary:** Mr Harinath V **Honorary Regional Treasurer:** Mr V Venkatesan **Members:** Mr Abdul Shakoor, Mr Augustine M K, Mr Subhashis Roy, Mr Prashant K Nair, Mr Saji Babu, Santhosh V, Mr Siby T P, Mr Laxman R, Mr Manoj N, **Co-opted:** Dr G Madhu, Mr Jacob Chacko V

#### 10.22 Lote-Parasuram Regional Centre:

##### Committee:

**Chairman :** Mr S D Parthe, **Vice-Chairman:** Mr S S Patil, **Honorary Regional Secretary:** Mr V B Balika, **Honorary Regional Treasurer:** Mr R F Manatkar, **Members:** Mr S K Gandhi, Mr T D Desai, Mr Turte, Mr R B Shinde, Mr P B Patil, Mr Odol Krishnan, Mr V V Dhage & Mr V V Dhotre

#### 10.23 Lucknow Regional Centre

##### Committee:

**Chairman :** Mr Narendra Kumar, **Vice-Chairman:** Mr Rajata Mehra, **Honorary Regional Secretary:** Mr P N Tandon, **Honorary Regional Joint Secretary :** Dr Dhananjay Singh, **Honorary Regional Treasurer:** Mr Sudeep Tandon, **Members:** Dr B N Mishra, Mr Brijendra Kumar, Mr Durgesh Pratap, Dr Gautam Narain Garg, Mr Mayur Tandon, Mr Manoj Kumar Chaurasia, Mr Ranvir Singh, Mr Janki Prasad Chaturvedi

#### 10.24 Mangalore Regional Centre

**Committee: Not received**

#### 10.25 Mumbai Regional Centre

##### Committee:

**Chairman:** Dr Sunil Bhagwat, **Vice-Chairman:** Dr Alpana Mahapatra & Dr D Mandal, **Honorary Regional Secretary:** Dr Anita Kumari, **Honorary Regional Jt Secretary:** Mr Dhawal Saxena, **Honorary Regional Treasurer:** Mr M P Jain, **Website Coordinator:** Mr Jayesh Master, **Immediate Past Chairman:** Mr V K Srivastava, **Past Chairman :** Mr Praveen Saxena, **Annual Conference:** Dr T L Prasad, **Industry Academia:** Mr V Y Sane, **Student Activity :** Dr Aparna Tamaskar, **Industrial Visit:** Mr Rajesh Jain, **Workshop:** Mr S Chitanvis, **Student Activity:** Dr Sanjay Mahajani  
**Advisor:** Dr Sanjeev Katti

#### 10.26 Nadiad Regional Centre

##### Committee:

**Chairman :** Dr M S Rao, **Honorary Regional Secretary :** Prof Anand P Dhanwani

#### 10.27 Nagpur Regional Centre:

##### Committee:

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

#### 10.28 Northern Regional Centre

##### Committee:

**Chairman:** Prof S Basu, **Vice-Chairman:** Prof S S Sambhi, **Honorary Regional Secretary :** Dr Anil Kumar Saroha, **Honorary Regional Joint Secretary:** Mr Abhijit B Pal, **Honorary Regional Treasurer:** Prof K K Pant **Members :** Dr Anand Mukherjee, Dr Divesh Bhatia, Mr Shyam Bang, Mr S K Balchandani, Mr D D Maheshwari, Mr Ranjan Goel & Prof V K Srivastava, **Co-opted:** Dr S N Chakravarty, Mr Sachchida Nand & Anil Verma

#### 10.29 Paradeep Regional Centre

**Committee: Not received**

#### 10.30 Pune Regional Centre

##### Committee:

**Chairman:** Dr S H Vaidya, **Vice-Chairman :** Mr Pradeep Dhotey **Honorary Regional Secretary:** Prof Dr S M Chanan, **Honorary Regional Jt Secretary:** Dr Vinay M Bhandari, **Programme Secretary:** Dr Suyog Taralkar, **Honorary Regional Treasurer :** Mr Chaphekar **Members :** Mr Vyawahare, Mr Prakash Patil, Mr Prakash Kulkarni, Mr Narendra Gadre, Dr Prafulla Garge, Mr Sadanand Konchandy, Mr M M Talathi (Ex-Officio)

#### 10.31 Pilani Regional Centre

##### Committee:

**Chairman :** Dr Pradipta Chattopadhyay, **Vice-Chairman:** Dr Suresh Gupta, **Honorary Regional Secretary:** Dr Pratik N Sheth, **Honorary Regional Joint Secretary :** Mr Amit Jain,, **Honorary Regional Treasurer:** Mr Utkarsh Maheshwari , **Member:** Dr Hare Krishna Mohanta, Dr Arvind Kumar Sharma, Dr (Mrs) Smita Raghuvanshi, Dr Banasri Roy, Mr Ajaya K Pani, Mr Subhajit Majumder, Ms Priya C Sande, Mr Mohammad Basheer Ahmed

#### 10.32 Pondicherry Regional Centre

##### Committee:

**Chairman :** Dr S Sundaramoorthy, **Vice-Chairman:** Mr S Sundarrajan, **Honorary Regional Secretary:** Mr P Vengataraman, **Honorary Regional Jt Secretary :** Mr R Sridar, **Honorary Regional Treasurer:** Mrs T Pallavhee **Members:** Mr R Prabakar, Dr G Srinivasan, Mr M Varadarajan, Mr V Jayakumar, Ms S Usha, Ms K Priya, Mr R Gopinathan

#### 10.33 Rourkela Regional Centre

**Committee: Not received**

#### 10.34 Trivandrum Regional Centre

**Committee: Not received**

**10.35 Vapi Regional Centre:**

Committee: Not received

**10.36 Waltair Regional Centre**

Committee: Not received

**B) Activities other than R & D by the Regional Centres**

Name of the Regional Centres	Activities other than R&D within 31.03.2015
Bangalore	<p><b>b) Felicitation :</b> Two distinguished and senior most members of the Centre, Dr Muralikrishna Reddy and Dr Anand B Halgeri, were honoured on 02.02.2015 and on 16.05.2015, respectively.</p> <p><b>c) Plant Visits :</b> 1) To the Bangalore Biotech Labs Pvt Ltd. (BIOZEEN) on 12.09.2014. 2) To the CIPLA Ltd, Bangalore on 18.10.2014.</p>
Calcutta	<p><b>a) Student Chapter activities:</b> Annual Technical Meet, INNOVA-2015 was organized by Student Chapter of Jadavpur University on 03.03.2015.</p> <p><b>b) Get-together-Picnic :</b> Members and their families gathered at Nalban Food Park, Kolkata on 15.02.2015.</p> <p><b>c) Birth Anniversary Celebration:</b> The 126<sup>th</sup> birth anniversary of Dr H L Roy, the founder President of IChE, was celebrated on 02.11.2014 at the IChE HQ Auditorium, Kolkata.</p>
Coimbatore	<p><b>a. Plant Visit :</b> 1) To The Fertilizers and Chemicals Travancore, Kochi on 29.08.2014 – 01.09.2014. 2) To Karnataka Soaps and Detergents. Mysore on 19 – 23.02.2015.</p>
Haldia	<p><b>a) SCHEMCON 2014:</b> Hosted by the Student's Chapter, Dept. of Chemical Engineering, Haldia Institute of Technology under HRC on 19 and 20.09. 2014, the central theme of the event was 'New Horizon in Chemical Engineering Applications'.</p> <p><b>b. Essay Competition :</b> On 'The Most Important New Technology for Solving World's Energy Problems' on 25.03.2015.</p> <p><b>c. Plant Visits:</b> To Indian Oil Corporation Ltd., Haldia on 06.09.2014.</p> <p><b>d. Quiz Contest :</b> 1. For the Chemical Engineering students at Haldia Institute of Technology on 07.08.2014.</p>
Hyderabad	<p><b>a) Industrial Visits:</b> To Nuclear Fuel Complex for students of CVSR College of Engineering, Anurag Group of Institutions.</p> <p><b>b) Student Chapter Activities:</b> 3) NIT-Warangal conducted a national level students' conference, 'ChemFlair' on 13 and 14.03.2015. 4) CBIT conducted a national level Students' Technical programme in February 2014.</p>
Jaipur	<p><b>Student Chapter Activities :</b> 1) Two Student Chapters were inaugurated under Jaipur Regional Centre: At Jaipur National University, Jaipur and Amity University, Jaipur in July 2014. 2) Another Student Chapter under this Regional Centre was inaugurated at the M.B.M Engineering College, Jodhpur in February 2015.</p>
Kanpur	<p><b>a. Quiz Competition :</b> 1) A Quiz contest was held in March 2015. b) <b>Environment Day Celebration</b> It was observed by the Centre on 05.06. 2015.</p>
Kochi	<p><b>a) Memorial Lecture:</b> K. Unnikrishnan Memorial Lecture on 'Kochi Metro – Challenges and Realities' by Mr Keshav Chandran, Chief Engineer, KMRL on 14.01.2015.</p> <p><b>b) Felicitation:</b> 'ChEM 2015' was organized by Kochi Centre on 27.06.2015 to recognize eminent chemical engineers from Kerala.</p> <p><b>c) Quiz Competition:</b> 1) Inter-college quiz competition, 'TATVA' on 01.11.2014</p>



	<p><b>d) Students Chapter Activities:</b></p> <p>1) A new Students Chapter under the Kochi Centre was inaugurated at the Amal Jyothi College of Engineering, Kanjirapally on 06.03.2015. Mr Harinath, Manager, BPCL-KR, delivered a lecture on 'Introduction to Chemical Engineering'.</p>
Lucknow	<p>a) On 'World Environment Day-2015' on 05.06.2015.</p> <p>b) On 'Chemical Engineering Curriculam Review' on 10 and 11. 06, 2015, attended by Dr Dhananjay Singh.</p> <p>c) <b>Student Chapter Activities:</b></p> <p>1) Sports/technical event, Alchemy – 2014, during 16 – 18, 10.2014 organised by Student Chapter at IET Lucknow.</p>
Mangalore	<p>a) <b>Plant Visit :</b></p> <p>1) To BASF, Mangalore and Karnataka Milk Federation. Mangalore.</p> <p>2) To Mudremane coffee curing works, Chickmagalur and site seeing place Belur, Halabeed and Chickmagalur.</p>
Mumbai	<p>a) <b>Exhibition :</b></p> <p>CHEMTECH 2015 during 28 – 31.01.2015.</p> <p>b) <b>Industry Visit :</b></p> <p>1) To Gas Cracker Plant, Reliance Group, NMD, Nagothane, M.S on 07.03.2015 organized by Mumbai Regional Centre including EC members &amp; Student members.</p> <p>2) To Nuclear Power Corporation of India Ltd., Tarapur Atomic Power Station, Tarapur, M.S., on 18.04.2015.</p> <p>c) <b>Students Programmes:</b></p> <p>3) Chemergence 2014 was organized by Students' Chapter of Thadomal Shahani Engineering College under the Mumbai Centre on 30.09.2014 and 1.10.2014.</p>
Northern	<p>a) <b>Plant Visit :</b></p> <p>1. To MMTC-PAMP, Rojka-Meo Industrial Estate, Haryana on 21.02.2015</p>
Nadiad	<p><b>Industry Visit:</b></p> <p>1) To GNFC Bharuch on 25.09.2014.</p> <p>2) To Transpack Silox, Baroda on 03.03.2015</p>
Pune	<p><b>Industry Visits:</b></p> <p>To Nuclear Power Corporation, Water Treatment Plants, etc.</p> <p><b>Student Chapter Activities:</b></p> <p>1) Various Students' Chapters under Pune Regional Centre organized activities like courses, workshops, conferences, project exhibitions competitions and guest lectures.</p> <p>2) With sponsorship from the IChE HQ, successfully conducted research project titled 'Experimental and Modeling Studies on Extraction of Schikimic Acid' at Singhad College of Engineering, Pune</p>
Pilani	<p><b>Quiz Contest:</b></p> <p>'Hinteria', a quiz programme, on 23.03.2015.</p>
Trivandrum	<p>a) <b>Get-together</b></p> <p>An annual family gathering was organized on 31.03.2015.</p> <p>b) <b>Student Chapter Activities:</b></p> <p>The annual CGG Panicker Gold Medal and Mr Kurup Gold Medal Presentation function was organized on 31.03.2015.</p>

### Acknowledgement

The Council expresses its sincere thanks to the Honorary Office Bearers for spending much of their valuable time in rendering services to the Institute. The Council highly appreciates the sincere work and whole-hearted cooperation received from the members of the staff of the Institute. The council is indebted to all its donors, sponsors and well wishers for wholeheartedly supporting its activities.

**Prof P De**  
Honorary Secretary

### Committees for the year 2015

<b>Admission Committee</b>	Prof S V Satyanarayana (Convener), Prof M V Rao (Chairman), Dr Shishir Sinha, Dr G Pugazhenthii, Dr Sriram Devanathan, Dr Anil Khadse
<b>Publication Committee</b>	Dr Anil K Saroha (Convener), Prof S Basu (Chairman), Prof K K Pant, Mr Shyam Bang, Prof V K Srivastava, Prof V K Rattan, Prof J M Modak
<b>Education &amp; Examination Committee</b>	Prof C Karthikeyan (Convener), Prof V K Srivastava (Chairman), Dr R Parthiban, Dr N Balasubramanian, Prof M V Rao, Dr M Rajasimman, Dr Alpana Mahapatra, Dr Radha Das
<b>Finance Committee</b>	Mr Dipak Dutta (Convener), Prof Basudeb Barman (Chairman), Prof Manas Das, Dr Sudip K Das, Mr Shyam Bang, Mr K K Das, Prof P De (Ex-officio), Prof V K Rattan (Invitee), Mr D M Butala (Invitee)
<b>Regional Centre Affairs Committee</b>	Mr D M Butala (Convener), Prof N M Surara (Chairman), Mr Jayesh Master, Prof V K Srivastava, Prof M K Jha, Prof S V Satyanarayana, Prof G A Shareef, Mr Dipak Dutta - Invitee, Dr (Mrs) Radha Das - Invitee
<b>Awards/Judges Committee</b>	Prof P De (Convener), Mr G V Sethuraman (Chairman), Prof D V Khakhar, Prof K S Gandhi, Prof B K Dutta, Dr B D Kulkarni, Prof V K Srivastava, Prof. G D Yadav, Chairman- NOC, CHEMCON 2015
<b>Building Committee</b>	Prof Radha Das (Convener), Prof B K Dutta (Chairman), Prof B R Saha, Mr Sushanta K Roy, Prof N M Surana, Prof V K Srivastava, Dr Asim De, Mr Dipak Dutta (Ex-officio), Prof P De (Ex-officio), Mr D M Butala (Invitee)
<b>R &amp; D Committee</b>	Prof P De (Convener), Prof A K Mitra (Chairman), Mr C P Ramulu, Dr Chiranjeeb Bhattacharjee, Dr Amitava Bandyopadhyay, Dr D Mandal, Dr S H Vaidya, Mr Dipak Dutta (Ex-officio)
<b>International Relations Committee</b>	Mr Shyam Bang (Chairman),
<b>Library &amp; Documentation Centre/Information Committee</b>	Mr Dipak Dutta (Convener), Prof B N Srimani (Chairman), Mr Smarajit Das, Prof R K Saha, Prof S V Satyanarayana, Mr P R Datta Ray, Prof P De (Ex-officio)
<b>Student Chapter Affairs Committee</b>	Prof V V Basava Rao (Convener), Dr S H Vaidya (Chairman), Mr. C P Ramalu, Prof. C Karthikeyan, Prof. S V Naidu, Prof. Z V P Murthy, Prof. K C Ghanta
<b>Honorary Fellowship Committee</b>	Prof P De (Convener), Mr G V Sethuraman (Chairman), Prof G D Yadav, Mr D P Misra, Prof A K Mitra, Prof S K Sharma, Prof Ch V R Murthy
<b>Chemcon Distinguished Speaker Committee</b>	Prof P De, Honorary Secretary, IIChE (Convener) Mr G V Sethuraman, IIChE, (Chairman) Prof B P Mandal, Organizing Secretary, Chemcon 2015 Prof G D Yadav, Chairman- National Organizing Committee, CHEMCON-2015 Dr P G Rao, Prof B K Dutta, Mr Shyam Bang
<b>Legal Committee</b>	Mr Dipak Dutta (Convener), Mr P R Datta Ray (Chairman), Prof B N Srimani, Prof V K Rattan, Mr D M Butala, Prof M K Jha, Prof S K Das, Mr S Das, Dr Asim K De, Prof P De
<b>Website Committee</b>	Prof P De (Convener), Prof V K Rattan (Chairman), Mr D M Butala, Mr K Sahasranaman, Prof M V Rao, Dr S H Vaidya, Mr C P Ramalu
<b>Chemical Process Safety Group</b>	Mr D M Butala (Convener), Mr K Sahasranaman (Chairman), Mr Shyam Bang, Mr S Das, Mr C P Ramulu, Dr D Mandal, Ms Sheela, Mr B P Baliga
<b>Chemcon Protocol Committee</b>	Prof P De (Convener), Mr G V Sethuraman (Chairman), Prof G D Yadav, Dr P G Rao, Prof V K Rattan, Prof Pallab Ghosh, Prof B P Mandal
<b>Industry Institute Interaction Committee</b>	Dr M K Jha (Convener), Mr D M Butala (Chairman), Mr Anand Kumar, Dr. S Bajpai

**List of Corporate Members present in  
EGM & Sixty-seventh Annual General Meeting, IChE – 2014**

<b>Sl. No.</b>	<b>Name</b>	<b>Membership No.</b>	<b>Sl. No.</b>	<b>Name</b>	<b>Membership No.</b>
1	Bandyopadhyay Amitava	LM 09556	22	Mandal D	LM 09455
2	Bang Shyam	LM 07736	23	Ramulu C P	LM 09919
3	Basava Rao V V	LM 11006	24	Rattan Gaurav	LM 31348
4	Bose S	LM 10973	25	Rattan V K	LF 04433
5	Bhagwat S S	LM 20152	26	Sahu S J	LM 37867
6	Brahma N K	LM 10671	27	Saroha A K	LM 27776
7	Butala D M	LM 03368	28	Satyanarayana S V	LM 13584
8	Das Radha	LM 10772	29	Saxena Dhawal	LAM 43343
9	Das S	LM 02066	30	Saxena Praveen	LM 24415
10	De A K	LM 13361	31	Sethuraman G V	LM 07476
11	De P	LM 07449	32	Shareef G A	LM 09110
12	Dutta Dipak	LM 06422	33	Sharma S K	LF 14889
13	Ghosh Sandip	LM 32074	34	Sheela	LM 10864
14	Goyal Meenakshi	LM 18243	35	Srivastava V K	LF 09483
15	Gupta S K	LM 19814	36	Surana N M	LM 09108
16	Jain M P	LM 08262	37	Swami Vedajnananda	LM 13064
17	Jana R N	LM 42290	38	Thakar S I	LM 29117
18	Jha M K	LF 09764	39	Vaidya S H	LM 06400
19	Kale Vijay	LM 04032	40	Venkateswara Rao M	LM 06492
20	Karthikeyan C	LM 17257	41	Yadav G D	LF 06738
21	Mahapatra Alpana	LM 20164			

**R&D Activities by the Regional Centres beyond 31.03.2015**

Name of the Regional Centres	R&D beyond 31.03.2015
Ankleshwar	a) Technical Lecture: On 'Current Economic Scenario and Impact of Crude Oil Crash' on 16.04.2015. b) On 'Vaccum Systems' on 08.05.2015. 2) Refresher Course: On 'Chemical Engineering for Non-Chemical Engineers' on 29.05.2015.
Bangalore	<b>a) Technical Lecture:</b> 1. On 'Process Intensification by Green Catalysts' by Dr Amol Mahulkar, Lead Engineer, GE Energy, Bangalore on 23.04.2015. 2. On 'Reaction Engineering' by Prof Y J Rao, on 17.09.2014.
Baroda	<b>a) Seminars:</b> 1. On "Introduction to Tray and Packed Column" on 05.04.2015 c) On "Instrumentation 2020: Emerging Technologies and Applications for Process Industries" on 23.05.2015
Bhubaneswar	<b>a) Technical Lecture:</b> On 'Petroleum Refining and Indian Oil Refinery at Paradip' by Mr Subrata Bhattacharyya, GM (Technical), IOCL, Paradip on 26.06.2015.
Calcutta	<b>a) Memorial Lecture :</b> Prof N K Bose memorial lecture on 'Prospect of Chemical Industries in West Bengal' by Dr Tilak Guha on 30.05.2015. <b>a) Felicitation :</b> Two distinguished and senior most members of the IChE family, Dr Sivabrata Chatterjee and Dr Tilak Guha, were felicitated on 30.05.2015.
Chennai	<b>a) Technical Lectures</b> 1. On 'World Environmental Day' by Mr G Sundaarajan, Mrs Mangalam, Mr Balasubramaniam & Dr Mrugavel in June 2015.
Guwahati	<b>a) Technical Lectures</b> 1. On 'Introduction to the Centre for Catalysis Research and High Through put Preparation and Testing of Fuel Processing Catalysts' by Professor Jack C.Q.Fletcher, University of Cape Town, South Africa. On 11.05.2015 <b>b)</b> On 'Quantifying the Building Blocks of Human Error during Decision Making' by Prof Rajagopalan, IIT,Gandhinagar on 25.05.2015.
Haldia	<b>a) Technical Lectures</b> 1. On 'Status of Clean Energy Sources' by Prof. Pramod Kumar, Ex-Director, Haldia Institute of Technology on 07.04.2015. <b>b)</b> On 'Era of Nanotechnology' by Dr. R. N. Jana, Associate Prof, Dept of Chemical Engineering, Haldia Institute of Technology on 06.06.2015.
Lucknow	a) Lucknow Centre organized a visit to Indo Gulf Fertilizer unit, at Jagdishpur, Sultanpur for students of IET Lucknow on 28.04.2015.
Mumbai	CHEQ 2015: The Late Prof. N R Kamath Memorial Engineering Quiz (CHEQ 2015) was organized on 11.04.2015 with participation by seven teams, representing different colleges and institutes in Mumbai and Navi Mumbai <b>a) Technical Lecture:</b> 1) On 'The Oil Price Crash and What it Means?' by Mr Sushil Kumar, President (GMS), Reliance Industries Ltd., and Past President, IChE on 16.05.2015. 2) On 'Status and Challenges of Indian Chemical Industry' by Mr D P Misra, Director, Development Consultants Pvt Ltd, Mumbai and and Past President, IChE on 06.06.2015
Northern	<b>Technical Lectures:</b> On 'Exchanger Selection and Design in an LPG Recovery Unit' by Ms Lakshmi Venkatesh, General Manager, Petrofac Engineering Services India (Pvt) Ltd, Haryana, on 'Important Manufacturing Aspects, While Fabricating Large Heat Exchangers for Very Special Applications' by Mr H K Sippy, Managing Director, TEMA India Ltd., and, on 'Operational Aspects in Sour Environment' by Mr Vinod Bhatt, Head Project (Systems & Packaging), Engineering, Dresser-Rand India Pvt Ltd. On 02.05.2015.
Trivandrum	<b>Seminar :</b> On' Environmental Management in Small and Medium Scale Industries' on 20.06.2015.

**Members of EC of Regional Centres for the year 2015-16**

1) **Ahmedabad Regional Centre:**

**Committee:** Not received

2) **Ankleshwar Regional Centre**

**Committee :**

**Chairman :** Mr D M Gandhi, **Vice-Chairman :** Mr S I Thakar, Mr M A Hania, Mr S Sankaranarayanan, Mr A K Jain, Mr Kamlesh Sukhvani, **Honorary Regional Secretary :** Mr N B Saraiya, **Honorary Ex-Secretary:** Mr Nitin Patel, **Honorary Regional Treasurer :** Mr M I Shamsi, **Honorary Regional Jt.Secretary-Jhagadia :** Mr Sunil Motiramani, **Jt Secretary- Dahej :** Mr Yusuf Hussain, **Jt Secretary-Valia :** Mr Snehal Tralsawala, **Jt Secretary-Ankleshwar:** Mr K H Pandit, **Jt Secretary – Bharuch:** Mr R R Khandpur, **Jt Secretary : Panoli :** Mr Satyan Pandya **Members:** Mr Manoj Kamalia, Mr A K Sahni, Mr B D Dalwadi, Mr P G Dave, Prof S J Wagh, Mr A I Shaikh, Mr Jayen Mehta, Mr Rajesh Kumar, Mr P B Shah, Mr B J Patel, Mr R S Senjalia, Mr Ganesh R Sharma, Mr Dinesh Patel, Mr Shashi Shekhar, Mr Rishabh Sheth, Mr Rilesh Mehta, **Immediate Past President :** Mr V K Nema

3) **Annamalai-Neyveli Regional Centre**

**Committee:**

**Chairman :** Dr C Karthikeyan, **Vice-Chairman :** Dr V Vijayagopal, **Honorary Regional Secretary:** Dr R Saravanan, **Honorary Regional Jt.Secretary :** Dr M Rajasimman, **Honorary Regional Treasurer :** Dr R Viruthagiri, **Members:** Dr Rm Meyyappan, Dr R Dhanasekar, Dr B Suresh, Dr S Dhanasekaran, Dr K Manikandan, Dr T R Manikkandan, Dr P Elavarasan, Dr B Sivaprakash, Dr S Subhagar & Mr M Ebisankar

4) **Baroda Regional Centre**

**Committee:** Not received

5) **Bangalore Regional Centre**

**Committee :**

**Chairman :** Prof Y J Rao, **Vice-Chairman :** Prof G A Shareef, **Honorary Regional Secretary :** Dr Brijesh, **Honorary Regional Jt Secretary :** Mr V Venkatesham, **Honorary Regional Treasurer :** Mr K A Badarinarayana **Members :** Dr Anand B Halgeri, Mr P T Raghuram, Mr K R Ananth, Mr S Swaminathan, Mr G Kishore Kumar, Dr K S Rajanandam, Dr Mohandas Bhat & Dr Archna

6) **Bhubaneshwar Regional Centre :**

**Committee :**

**Chairman :** Mr Jagjivan Rath, **Vice-Chairman :** Dr P C Rath, **Honorary Regional Secretary :** Mr Swagat S Rath, **Honorary Regional Jt.Secretary :** Dr Ranjita Swain, **Honorary Regional Treasurer :** Dr M K Ghosh, **Members :** Prof G K Roy, Dr Kadambini Sarangi, Dr Bisweswar Das, Dr C R Panda, Mr Rajesh Kanungo, Dr Swati Mohanty (Ex-officio)

7) **Calcutta Regional Centre :**

**Committee:**

**Chairman :** Mr Asok K Das, **Vice-Chairman :** Prof Chiranjib Bhattacharyya, **Honorary Regional Secretary :** Mr Sushanta K Roy, **Honorary Regional Jt Secretary :** Dr Sharmistha Bose, **Honorary Regional Treasurer :** Mr Abhyuday Mullick (Ex-Officio) , **Members :** Prof B N Srimani, Prof N K Brahma, Prof Sarajit Bosu, Prof Swami Vedjnanda, Mr Ananjan Kr Bhattacharyya, Prof R K Saha, Dr Rajat Chakraborty, Prof Amalesh Sirkar, Dr Sangita Bhattacharyya, Dr Ranjana Choudhury

8) **Chandigarh Regional Centre :**

**Committee:**

**Chairman :** Prof S K Sharma, **Vice-Chairman :** Mr Sandeep Sharma, **Honorary Regional Secretary:** Prof V K Rattan, **Honorary Regional Jt Secretary :** Mr Deepak Mehon, **Honorary Regional Treasurer :** Prof R K Chhabra, **Members :** Mr Amit Sobti, Prof Amrit Pal Toor, Prof Anupama Sharma, Dr Gaurav Rattan, Prof Ritu Gupta, Prof Seema Kapoor, Prof Sushil Kumar Kansal & Mr S S Bhinder

9) **Coimbatore Regional Centre :**

**Committee:**

**Chairman :** Dr A Sivalingam, **Vice-Chairman :** Dr K Kannan, **Honorary Regional Secretary :** Dr D Prabhakaran, **Honorary Regional Jt Secretary:** Ms V P Mohanjeayavalli, **Honorary Regional Treasurer :** Mr P Sivakumar, **Members:** Prof. Dr T Kannadasan, Dr M Thirumarimurugan., Dr V M Sivakumar, Mr S Ramachandran, Mr R Sri Prabu, Mrs Anitha Sri Prabu, Mr G Gnanavel, Prof K Senthilkumar, Dr Murali Rangarajan & Dr Udhaya Bhaskar Reddy

10) **Chennai Regional Centre :**

**Committee:**

**Chairman :** Dr N Balasubramanian, **Vice-Chairman :** Prof R Dorairaj, **Honorary Regional Secretary :** Mr K Sadanand, **Honorary Regional Secretary :** Mr K Sadanand, **Honorary Regional Jt Secretary :** Dr G Baskar, **Honorary Regional Treasurer:** Mr B S Naveen Prasad, **Members :** Dr G Venkatarathinam, Mr S Sekar, Dr M P Rajesh, Dr D Joshua Amarnath, Dr R Parthiban, Dr G Rajasekar, Dr S Renganathan, Dr K Muthukumar (Ex-officio) **Co-opted Members :** Mr Anantharaman, Dr K Ramakrishnan & Mrs Lakshmi Vaideeswaran

11) **Doaba Regional Centre**

**Committee :**

**Chairman :** Dr M K Jha, **Vice-Chairman :** Dr Ajay Bansal, **Honorary Regional Secretary :** Dr Shailendra Bajpai, **Honorary Regional Jt Secretary :** Dr Sangeeta Garg, **Honorary Regional Treasurer:** Mr Kamraj Kumar **Members :** Dr A K Jana, Dr Renu Gupta, Dr Poonam Gera, Mr N K Srivastava, Dr Neetu Divya, Ms Rubalpreet Kaur, Dr Rajeev Garg & Mr Manoj Jindal

12) **Damanjodi Regional Centre**

**Committee :**

**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

13) **Durgapur Regional Centre**

**Chairman:** Prof T Kumar, **Honorary Regional Secretary :** Dr J P Sarkar

14) **Goa Regional Centre**

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

15) **Guntur Regional Centre**

**Committee:** Not received

16) **Guwahati Regional Centre**

**Committee:**

**Chairman :** Prof B P Mandal, **Vice-Chairman :** Mr P K Dutta, **Honorary Regional Secretary:** Dr Vimal Katiyar, **Honorary Regional Jt Secretary :** Dr Prakash Kotecha, **Honorary Regional Treasurer :** Dr Pankaj Tiwari, **Members:** Prof Pallab Ghosh, Prof Prabirkumar Saha, Prof V S Moholkar, Dr Mihir K Purkait, Dr Animesh Golder, Dr Tapas K Mandal, Dr Ashok K Dasmahapatra, Dr Amit Kumar, Dr Rajesh Kumar Upadhyay, Mr Rahul Patwa, Mr Babul Prasad, Mr Narendren S & Prof R Choudhury

17) **Haldia Regional Centre :**

**Committee :**

**Chairman :** Mr A P Gangopadhyay, **Vice-Chairman :** Dr R N Jana. **Honorary Regional Secretary,** Dr S B Kuila, **Honorary Regional Jt. Secretary :** Mr B Mandal, **Honorary Regional Treasurer :** Dr S J Sahu, **Members :** Mr D Kundu, Mr A K Dey, Prof A K Saha, Mr A Sinha, Prof R Das, Prof T K Manna, Dr S B Kuila, Dr R N Jana, Dr S J Sahu, Mr B Mandal, Mrs S Roy, Mrs K Rana, Dr A Ghosh

18) **Hyderabad Regional Centre:**

**Committee: Not received**

**19) Jaipur Regional Centre :**

**Committee :**

Chairman : Mr S L Arora, Vice-Chairman : Mr V K Jain, Honorary Regional Secretary : Dr Madhu Agarwal, Honorary Regional Jt Secretary : Mr Sushant Upadhyaya, Honorary Regional Treasurer : Dr Rajeev Dohare, Members : Dr R K Vyas, Dr Pankaj Pandey, Dr A N Pathak, Dr D P Mishra, Dr Kailash Singh, Dr Prabhat Pandit

**20) Kalpakkam Regional Centre**

**Committee: Not received**

**21) Kharagpur Regional Centre**

**Committee:**

**Chairman:** Prof Sirshendu De, **Vice-Chairman :** Prof Sudarsan Neogi, **Honorary Regional Secretary :** Prof Arnab Atta, **Honorary Regional Jt Secretary :** Mr Soma Sekhar Goud S, **Honorary Regional Treasurer :** Prof Pavitra Sandilya, **Members :** Prof Dibyendu Mukherjee, Prof Debdulal Kar, Prof Gautam Kundu, Prof Sonali Sengupta, Prof Swati Neogi, Prof Venkat Padmanabhan

**22) Kanpur Regional Centre**

**Committee :**

**Chairman :** Dr S K Gupta, **Vice-Chairman :** Er Subhash Sharma, **Honorary Regional Secretary :** Er Ashutosh Mishra, **Honorary Regional Jt Secretary :** Er Vinay Sachan, **Honorary Regional Treasurer :** Dr Santosh Kumar, **Members :** Dr R K Trivedi, Dr Pramod Kumar, Er Visesh Agarwal

**23) Kochi Regional Centre**

**Committee: Not received**

**24) Lote-Parasuram Regional Centre**

**Committee:**

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

**25) Lucknow Regional Centre :**

**Committee :**

**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 Bhartendu Nath Misra, Mr Brijendra Kumar, Dr Sushil Kumar, Dr Gautam Narain Garg, Mr Mayur Tandon, Mr Manoj Kumar Chaurasia, Mr Sudeep Tandon, Mr Janki Prasad Chaturvedi

**26) Mumbai Regional Centre**

**Committee:**

**Chairman :** Prof Alpana Mahapatra, **Vice-Chairman :** Dr D Mandal, **Honorary Regional Secretary :** Dr T L Prasad, **Honorary Regional Jt Secretary :** Prof Aparna Tamaskar, **Honorary Regional Treasurer :** Mr V Y Sane, **Immediate Past Chairman :** Prof Sunil S Bhagwat, **Past Chairman :** Prof V K Srivastava & Mr Praveen Saxena, **Immediate Past Secretary :** Prof Anita Kumari, **Members :** Mr Shreedhar Chitanvis, Mr K Sahasranaman, Mr R K Ravindra Joshi, Mr Pratik G B **Co-opted members :** Dr Sanjiv Katti & Dr Sanjay Mahajani

**27) Mangalore Regional Centre :**

**Committee :**

**Chairman :** Dr D V R Murthy, **Vice-Chairman :** Mr Venkatesh Sharma, **Honorary Regional Secretary :** Dr Keyur Raval, **Honorary Regional Jt Secretary :** Mr I M Sadanand, **Honorary Regional Treasurer :** Prof S Sivasankaran

- 28) **Nadiad Regional Centre**  
**Committee: Not received**
- 29) **Northern Regional Centre :**  
**Committee:**  
**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 Shyam Bang, Mr D D Maheshwari, Prof V K Srivastava, Mr Umesh Goel, Prof K K Pant
- 30) **Nagpur Regional Centre :**  
**Committee:**  
**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 S K Goyal, Dr K L Wasewar, Dr B Bag, Dr J S Mohite, Dr Vijay Kumar
- 31) **Paradeep Regional Centre:**  
**Committee: Not received**
- 32) **Pondicherry Regional Centre:**  
**Committee: Not received**
- 33) **Pilani Regional Centre :**  
**Committee :**  
**Chairman :** Dr Pratik N Sheth, **Vice-Chairman :** Dr Suresh Gupta, **Honorary Regional Secretary:** Mr Amit Jain, **Honorary Regional Jt Secretary :** Mr Utkarsh Maheshwari, **Honorary Regional Treasurer:** Dr Pradipta Chattopadhyay, **Members :** Dr Hare Krishna Mohanta, Dr Arvind Kumar Sharma, Dr Smita Raghuvanshi, Dr Banasri Roy, Dr Sonal Mazumder, Dr Raman Sharma, Dr Ajaya K Pani, Mr Subhajit Majumder & Ms Priya C Sande
- 34) **Pune Regional Centre**  
**Committee: Not received**
- 35) **Rourkela Regional Centre :**  
**Committee:**  
**Chairman :** Mr F C Sahoo, **Vice-Chairman:** Prof B C Ray, **Honorary Regional Secretary :** Dr Hara Mohan Jena, **Honorary Regional Treasurer :** Dr Santanu Paria, **Members:** Mr Siddharth Acharya, Mr K P Mishra, Dr (Mrs) G Sunanda, Mr S C Padhi & Dr Manoj K Mishra **Ex-officio Member :** Dr Pradip Chowdhury, Dr Sujit Sen
- 36) **Trivandrum Regional Centre:**  
**Committee: Not received**
- 37) **Vapi Regional Centre :**  
**Committee :**  
**Chairman :** Mr Hasmmukh K Doshi, **Vice-Chairman :** Mr Rameshchandra N Prajapati, **Honorary Regional Secretary :** Dr Hiten M Bhatt, **Honorary Regional Jt Secretary :** Mr Uday R Marballi, **Honorary Regional Treasurer :** Mr Maulik J Desai, **Members :** Mr J R Shah, Dr H M Hirpara, Mr S S Pokale, Mr U M Rao, Mr Vinod S Kashalikar, Mr Mukesh S Patel **Ex-officio :** Mr Jagdish U Parmar
- 38) **Waltair Regional Centre:**  
**Committee: Not received**