

Annual Report

2016-17

(April 1, 2016 to March 31, 2017)



Indian Institute of Chemical Engineers

Council Members for 2016 & 2017

2016	Designation	2017
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Indian Institute of Chemical Engineers

Kolkata – 700 032

Annual Report for 2016-2017

The report covers major activities of the Institute during the period 1 April 2016 to 31 March 2017.

1.0 69th Annual Session and CHEMCON 2016

The 69th Annual Session of Indian Institute of Chemical Engineers (IChE), i.e., Indian Chemical Engineering Congress (CHEMCON 2016) was organized by Chennai Regional Centre of IChE in association with Anna University, Central Leather Research Institute, Indian Institute of Technology Madras, Chennai during 27 – 30 December 2016. The central theme of CHEMCON 2016 was '**Chemical Engineering towards Sustainable Development**'. The four-day mega event was organized at the campus of AC College of Technology, Anna University, Chennai.

The conference was inaugurated by Mr. **Thiru K.P. Anbalagan, Minister for Higher Education, Tamil Nadu.** Padma Shri Prof. G. D. Yadav, Chair, National Organizing Committee and Vice Chancellor, ICT, Mumbai; Prof. P. De, Honorary Secretary, IChE; Prof. S. Ganesan, Registrar, Anna University; Prof. Narayanasamy, Dean, GEC; Prof. S. Sivanesan, Dean AC Tech spoke at the inaugural session. Mr. Shyam Bang, President, IChE (2016) delivered the Presidential Address. Prof. P. De presented the IChE awards.

The inauguration function was followed by presentation of the three memorial lectures by renowned authorities in the field of chemical engineering. **Dr. H L Roy Memorial Lecture, sponsored by Jacobs**, was delivered by Padma Bhushan Dr. A V Rama Rao. The theme of his lecture was 'The Role of Chemical Engineer in Cement and Ceramic Industry'. The second lecture, **Aker Powergas's Prof. N.R. Kamath and Mrs. Ruzena Kamath Memorial Lecture** on 'Coal, the Potential Feedstock for Indian Chemical Industry' was delivered by Shri D.P. Misra. The third lecture, **Shri C.K. Murthy Memorial Lecture** was delivered by Padma Bhushan Shri K V Vishnu Raju on 'The Role of Chemical Engineer in Cement and Ceramic Industry in India'.

As in practice, December 28, 2016, the birth anniversary of the late Shri Dhirubhai Ambani, was celebrated as Shri Dhirubhai Ambani Commemoration Day in association with Reliance Industries Limited. Padma Shri, Shri D.K. Saraswat, Member, NITI Aayog, Retd. Director General of DRDO and Chief Scientific Advisor, Ministry of Defence, delivered the Commemoration Lecture. Padma Shri Prof. G.D. Yadav, Chairman, NOC, and Past President, IChE as well as Shri Shyam Bang, President, IChE for the year 2016, also addressed the gathering.

During the event, around 1,100 technical papers were presented in 12 parallel sessions along with 15 Chemcon Distinguished Speaker (CDS) award lectures (listed in Section 8.0).

Joint Symposia: On December 29, 2016, two international joint symposia were held. The first one was the Indo-US symposium on 'Separation Science and Technology'. The second one was the Indo-Canada symposium on 'Sustainable Energy – Energy for All'. The symposia were inaugurated by Mr. Nandkumar Dhekne. A number of eminent academics from the USA, Canada, UK, Australia, India, etc. also enlightened the audience. Each symposium was followed by a one-hour panel discussion.

Award Presentation

The following IChE National Awards for 2016 were presented on December 27, 2016 during the inaugural programme.

Dr B P Godrej Life Time Achievement Award was conferred upon Mr K.P. Mohandas Rao, Past President, IChE and a Distinguished Chemical Engineer.

Lala Shriram National Award for Leadership in Chemical Industry was conferred upon Shri Rajju D Shroff, Chairman, UPL, Mumbai.

Herdillia Award for Excellence in Basic Research in Chemical Engineering was conferred upon Prof Suddhasatwa Basu, IIT Delhi, New Delhi.

Amar Dye-Chem Award for Excellence in Research and Development in Chemical Engineering below the age of 35 years was conferred upon Dr Ethayaraja Mani, IIT Madras, Chennai.

Shah-Schulman Award for the Best Ph.D. Thesis in the Area of Colloid and Interface Sciences was conferred upon Dr Nandini Bhandaru IIT Kharagpur.

Dr A V Rama Rao Award for Best Ph D Thesis was conferred upon Dr Jyoti Goel, NPL, Delhi and Prof Suddhasatwa Basu, IIT Delhi, New Delhi.

The list of other awards conferred during CHEMCON 2016 and their recipients is published in Section 8.0.

2.0 69th Annual General Meeting

The sixty-ninth Annual General Meeting (AGM) of the Institute was held on December 27, 2016 at the A C Tech, Anna University, Chennai. Mr Shyam Bang, President of the Institute for 2016, chaired the meeting that was attended by 68 corporate members (a list is presented in the back cover).

The minutes of the 68th (Sixty Eighth) Annual General Meeting held on December 27, 2015 at Mini Auditorium, IIT, Guwahati, as circulated on November 12, 2016 by Prof P De, Honorary Secretary, were confirmed.

The meeting adopted the minutes of the EGM of the Institute, held on September 2016 at BVRIT, Narsapur, Medak, Telangana as circulated earlier with modification to the following resolution:

'Life Subscription for Organizational membership of the Academic, institutions, Govt. R & D Organization in India would be Rs. 25,000/- (Consolidated) instead of Rs. 10,000/- + 1,000/- (Admission fee), and of that in Overseas would be \$ 2500' with immediate effect.

The meeting unanimously adopted the Annual Report of the Institute for the period April 01, 2015 to March 31, 2016 as circulated earlier.

The meeting adopted the Audited Statement for the year 2015-16 of the Institute unanimously.

As regards non-receipt of Audited Accounts of Regional Centres, the members decided that the defaulting

Regional Centre(s) would be suspended and their bank A/c. (s) would be sealed till the submission of the Annual Report and Audited statement of A/c. by the Regional Centre(s) in prescribed format. The members further decided that the Chairman, Honorary Secretary and Treasurer of the defaulting RCs will remain suspended during the tenure.

The meeting decided to appoint M/s N. Chatterjee & Associates, Chartered Accountants, 40/6, Dharma Das Kundu Lane, Howrah 711 102, West Bengal as Auditors of the Institute for the financial year 2017-2018 for auditing of IICHe Headquarters accounts, consolidated accounts, online filing of Form 10B, I T Return, Form 10/ 9 and for advice on Income Tax & TDS related matters at an annual remuneration of Rs. 22,000/-.

The names of the newly elected Council members for the period 2017-2019 were announced. The Members welcomed the newly elected members, i.e., Prof. Bishnupada Mandal, Dr. Ajay Bansal, Dr. S K Gupta, Mr. M. Ranga Rao, Dr M. Rajasimman and Mr. Shashikant S Pokale, for joining the Council.

Prof. G D Yadav suggested inclusion of Aadhaar Number in the application form for membership of the Institute. The Members accepted the suggestion and requested the Honorary Secretary to do the needful.

3.1 R&D Activities by IICHe HQ

The following are the three ongoing projects, which were undertaken by IICHe during 2015-16.

- Adsorptive Removal of Crystal Violet Dye on i. Low Cost Adsorbent in Orbital Shaker.
- Adsorptive Removal of Crystal Violet Dye on ii. Acidic Fly Ash (Low Cost) and Mixed Adsorbent in Orbital Shaker.
- Adsorptive Removal of Crystal Violet Dye on iii. Low Cost Adsorbent in a Tapered Bubble Column.

The Council also considered the proposition of creating an R&D corpus for offering grants in certain core areas for fundamental research.

3.2 R&D Related Activities by Regional Centres

An outline of activities connected to research and development in Chemical Engineering and allied fields

that have been carried out conducted during July 2016
– June 2017 by IICChE's Regional Centres (RCs) as well

as by the Student Chapters under aegis of the RCs are
presented below.

Name of the Regional Centre	R&D Related Activities
Ankleshwar	<p>a) Technical Lectures/Talks:</p> <ol style="list-style-type: none"> 1) On 'Development of Energy Conservation in Process Industries – Emphasis on Insulation'. Date: 23.09.2016. 2) On 'Heat Tracing and Application in Process Industries'. Date: 14.10.2016. 3) On 'Cooling Tower – Novel Design for Energy Efficiency'. Date: 18.11.2016. 4) On 'Filtration System'. Date: 08.12.2016. 5) On 'Chemical Engineering for Non Chemical Engineers'. Date: 23.06.2017. <p>b) Conference on Safety aspects in industry. Date: 10.2.17</p>
Annamalai-Neyveli	<p>a) Conference and Technical Lectures:</p> <ol style="list-style-type: none"> 1) An international meet on 'Challenges in Biotechnology and Chemical Engineering (ICBC)' and School Student Congress were organized. Dr Ashok Pandey, Eminent Scientist, Centre of Innovative and Applied Bioprocessing, Government of India, Mohali, Punjab, was the principal speaker. Date: 04.12.2016. 2) Safety day Celebration. Date: 05.03.2017. <p>b) Interuniversity Chemical Engineering Students Seminar (InCHES 2017). Date: 17.3.17, i) Lecture on 'Pinch Technology'. by Mr Nammalvar, Former Vice President, JK Pharamaceticuals Limited, Cuddalore, and, ii) Lecture on 'High Energy Batteries' by Dr G A Pathanjali, General Manager, High Energy Batteries, Trichy.</p>
Bangalore	<p>Student Chapter Activities:</p> <p>a) Lecture : On 'Activities of BRC and IICChE' to students of RV College of Engineering. Date: 06.01.2017.</p> <p>b) 'Chemovation 2017' An event of paper presentation was held at Dayanand Sagar College of Engineering. Date: 06 and 07.04.17.</p>
Baroda	<p>a) Technical Lecture : On 'Activities of Heat Transfer Society and Understanding Fouling Mechanism in Heat Exchanger for Efficient Design' by Dr. Hanz Zettler, VP, Heat Transfer Research, Inc and Mr. Simon Pugh, Fouling Expert, Heat Transfer Research, Inc. Date: 17.01.2017.</p> <p>b) Seminar : On 'Inherent Safety Concepts for Chemical Industries'. Date: 25.02.2017.</p>
Bhubaneswar	<p>a) Sliver Jubilee Celebration and Seminar:To celebrate the occasion, a high profile seminar on 'Odisha – Investors' Destination for Chemicals and Petrochemicals' was organized on 27 and 28, 04.2017 at Bhubaneswar. Based on the deliberations made during the two-day event, the seminar panel made a series of recommendations to Paradip PCPIR.</p>
Calcutta	<p>a) Technical Lectures :</p> <ol style="list-style-type: none"> 1) On 'Sponge Iron Technology & Its Future Prospects' by Asim Kumar Ray. Date: 24.09.2016. 2) On 'Petroleum Sludge Processing for Hydrocarbon Recovery & Waste Minimization in Petroleum Refineries and Power Plants' by Mr Ashoke Kumar Paul. Date: 24.09.2016. 3) On 'Membrane Distillation' by Prof Kamalesh Kumar Sirkar. Date: 17.12.2016. 4) On 'Importance of Creativity & Innovation in Chemical Industry' by Prof. Amallesh Sirkar, Date: 17.12.2016.

	<p>b) Memorial Lectures :</p> <ol style="list-style-type: none"> 1) On the occasion of 128th birth anniversary of Dr. H.L. Roy, along with other customary activities, a lecture on 'Present Status and Need for Food Processing Industry in India' by Prof. Sunit Mukherjee.. Date: 02.11.2016. 2) Prof N K Bose Memorial Lecture: On 'Education & Development in India' by Prof. Basudeb Barman. Date: 19.11.2016. 3) Prof. Dilip Kumar Dutta Memorial Lecture: On Hydrogen Production' by Prof. D.N. Ghosh. Date: 11.02.2017. <p>c) Seminar :</p> <p>On 'Carbon Capture and Utilization Technology'. Date: 24 and 25.02. 2017. This national seminar had very impressive participation. Renowned academics and experts from all over the country spoke on various aspects of the subject.</p> <p>d) Refresher Courses :</p> <p>On 'Separation Process'. Date: 29.04.2017 and 06.05.2017. The course topics were as follows:</p> <p><i>29.04.2017:</i></p> <ol style="list-style-type: none"> i) Principles of Absorption a) Packings & Packed Tower, b) Calculation of Tower Specification, c) Asorption with Chemical Reaction. Prof Asit Kumar Mitra was the resource person. ii) Design of Tray Columns for Absorption & Stripping a) Absorption & Stripping. Prof Binay Kumar Dutta was the resource person. <p><i>06.05.2017:</i></p> <ol style="list-style-type: none"> iii) Principles of Equilibrium Stage Operations a) Calculation for Multi Component Systems, b) Azeotropic, Extractive & Reactive Distillation c) Malfunctioning & Trouble Shooting in Distillation Column. Prof Partha Ray was the resource person. iv) Design of Distillation Equipment for Both Tray Type Column and Packed Towers. a) Specification of Distillation Internals. Dr. Amar Ranjan Ghosal was the resource person. <p>f) Student Chapter Activity :</p> <p>INNOVA-2017 was organized by Student Chapter of Jadavpur University. Date: 25.03.2017.The event included technical paper presentations, Chem-E-model, Cheminnovation, etc., with participation by UG, PG and PhD students from Jadavpur University and a number of other engineering institutes in West Bengal, such as, IIT, Kharagpur; NIT, Durgapur; Calcutta Univerisity, etc.</p>
Chandigarh	<p>Interactive Session and Symposium :</p> <p>URSA 17 was organized. The event comprised interactive session with students from different colleges of Chandigarh on the topic 'Creativity is the Engine of Science'. This was followed by symposium on 'The Need of Smart Energy Use'. Dr S K Sharma, Professor Emeritus, was the Chief Guest. Date: 05.02.2017.</p>
Chennai	<p>a) Memorial Lectures :</p> <ol style="list-style-type: none"> i) Prof. Y B J Varma Endowment Lecture by Padma Bhushan, Dr. T. Ramasami, Former Secretary, DST. Date: 28.12.16. ii) Shri T.S. Narayanaswamy Memorial Lecture by Mr. Rajiv Mittal, MD and Group CEO, VATEch Wabag, Channai. Date: 29.12.16. iii) Dr. B Jagannadhaswamy Memorial Lecture on 'Chemical Engineering in 21st Century' by Dr K Krishnaiah, Emeritus Professor (Former Dean Academic Research) Dept of Chemical Engg,IIT, Madras. Date: 24.01.2017. iv) Dr. G S Laddha Memorial Lecture on 'Technology-Innovation & Change in India Chemical Industry' by Dr. D M Mohunta, Chief Executive Officer, Commercial Chemical and Development Company, Chennai. Date: 03.02.2017. v) Dr. M A Govinda Rau Memorial Lecture on 'Tuning of PID Controllers for Multivariable Systems' by Prof. M Chidambaram, Dept. of Chemical Engineering, IIT, Madras. Date: 30.03.2017.

	<p>vi) Dr. K Chandrasekharan Memorial Lecture on 'Pinch Analysis – An Approach for Efficient Utilization of Natural Resources in Process Industries' by Prof. Shankar Narasimhan, Dept. of Chemical Engineering, IIT Madras. Date: 19.04.2017.</p> <p>b) Seminar : On 'Industrial Safety, Health and Environment'. Date: 19.04.2017. The following speakers made presentations:</p> <p>i) Prof Rajagopalan Srinivasan, Coordinator Safety Centre, Indian Institute of Technology, Gandhinagar. On 'Process Safety: A keystone for Academia and A Lodestone for Industry'</p> <p>ii) Prof. P Akilamudhan, Dept of Chemical Engineering, Erode Sengunthar Engineering College, Erode On 'Food as Medicines'.</p> <p>iii) Dr. N K Ambujam, Director, Centre for Water Resources, Anna University, Chennai on 'Sustainable Environment and Industrial Development'. iv) Prof. Usha Antony, Centre for Food Technology, Anna University, Chennai on 'Food and Health Matters'.</p> <p>c) Student Chapter Activities :</p> <p>Technical Lectures :</p> <p>i) A C Tech, Anna University, Chennai: i) On 'Overview of Oil and Gas Industry and Career Opportunities in Oil and Gas Industry'. Date: 30.09.2016; ii) On 'Chemical Engineering to Consumer Products'. Date: 7.10.16; and iii) On 'Process Simulation' 07.10.2016.</p> <p>ii) SSN College of Engineering, Chennai: i) On 'Chemical Engineering in the 21st Century'. Date: 19.09.2016; ii) On 'Current Status of Fuel Poser System'. Date: 02.01.2017; iii). On 'Open Source Powered Engineering (Computational Fluid Dynamics)'. Date: 07.02.2017; and iv) On 'Pump Selection – Energy Audit'. Date: 21.02.2017.</p> <p>iii) VIT University, Vellore: On 'Polymer Reaction Engineering' .Date:22.09.2016.</p> <p>iv) Sri Venkateswara College of Engineering, Chennai: i) On 'Ansys – Computational Fluid Dynamics'; ii.) On 'Optimization of Macronutrient Kinetics for Biomass Production in Nostoc Caldicola'; iii). On 'Emerging Materials and Membrane Technologies for Process Wastewater Treatment. Date: 05.01.2017.</p> <p>v) VSRM University, Chennai: i) On 'Biogenic Gold Nanoparticles – Synthesis and Fluorescence Quenching Studies'. Date: 17.02.2017; ii). On 'Cocurrent Downward Liquid-Liquid Systems: Hydrodynamic and Mixing Characteristics'. Date: 22.02.2017.</p> <p>Seminar :</p> <p>i) On 'Environmental Pollution Prevention in Pharma Industries' by SRM University, Chennai Date: March 2017.</p> <p>ii) On 'Technological Advancements on Fuel Cell Research' by Sri Venkateswara College of Engineering, Chennai. Date: 09 and 10.09.2016.</p> <p>Workshop :</p> <p>i) On 'Biofuels and Bioenergy' by St. Joseph's College of Engineering, Chennai. Date: 02 and 03.09.2016.</p> <p>ii) On 'Clinical Animal Handling Techniques' by St Joseph's College of Engineering, Chennai. Date: 02.03.2017.</p> <p>Technical Symposium : 'Pansophy'16' by Sri Venkateswara College of Engineering, Chennai. Date: 01.10.16.</p> <p>Training Course : On 'Finger Printing Techniques (DNA and Proteins) by St. Joseph's College of Engineering, Chennai. Date: 06 – 08.03.2017.</p>
Coimbatore	<p>a) Student Chapter Activities</p> <p>Workshops</p> <p>At Coimbatore Institute of Technology on the following topics:</p> <p>i) 'An Insight into Quality Control Techniques for Food Safety' by Mr P Jagadeesan, Assistant Manager, Production, Ricco Delizio Llp, Coimbatore. Date: 23.07.2016.</p> <p>ii) 'Application of Excel for Chemical Engineers' by Dr T Renganathan, Associate Professor, Department of Chemical Engineering, IIT, Madras. Date: 25.08.2016.</p>

	<p>iii) Dendro Energy Resources for Solid and Liquid Fuel Generation' and 'Energy Generation from Biomass' by Dr P Subramanian (Bioenergy), Tamil Nadu Agriculture University, Coimbatore. Date: 23.09.2016.</p> <p>iv) 'Impact of Enzymes in Green Technology' by Dr M Rajeshwari, Professor, Department of of Biotechnology, Avinashilingam University. Date: 24.02.2017.</p> <p>Technical Symposium At Coimbatore Institute of Technology :</p> <p>i) Technovation 2016. Date: 24.09.2016.</p> <p>ii) Aavishkar'17. Date: 25.02.2017.</p>
Damanjodi	<p>a) Seminar On 'Advances in Alumina Making Process'. Date: 11.01.2017.</p> <p>b) Workshop : On 'Technology Advances in Water Treatment Plants'. Date: 19.07.2016.</p>
Doaba	<p>a) Workshop On 'Academic Environment in Higher Technical Education: Future Perspective'. Date: 30 – 01.09.2017.</p>
Durgapur	<p>Technical Lecture: Due to unavoidable circumstances, this Regional Centre was not active for two years. It resumed its activities with a 'Lecture Series'. Date: 04.07.2017.</p>
Guntur	<p>a) Seminar : On 'Growth and Career Opportunities in Chemical Engineering for Sustainable Development'. Date: 19.11.2016. The following speakers made presentations:</p> <p>i) Dr. V V N Kishore, Visiting Professor, IIT Bombay on 'Energy, Environment and Sustainable Development: Opportunities for Chemical Engineers'.</p> <p>ii) Mr. A Doraiah, General Manager (Retired), ONGC on 'The Present Scenario of Oil Industry and Career Opportunities of Chemical Engineers in Oil Industry'.</p> <p>iii) Prof. V Venkata Dasu, Director, RGUKT, Nuzvid on 'Role of Chemical Engineering in Biosciences and Biochemical Engineering'.</p> <p>iv) Mr. G Venu Babu, Hetero Group of Industries, Hyderabad on 'Significance of Chemical Engineering and Sustainable Growth of Pharmaceutical Industry'.</p> <p>b) Student Chapter Activities : Technical Lectures : The following lecture programmes were organized by RVR & JC College of Engineering, Guntur:</p> <p>i) On 'Importance of Pollution Control in Attaining Swachha Bharat' by Mr E Satyanarayana, AP State Pollution Control Board, Vijayawada. Date: 14.09.2016.</p> <p>ii) On 'Chemical Engineering Computation by Using MATLAB' by Mr Sk Ameer Khan, Research Scholar, Department of Chemical Engineering, NIT Warangal. Date: 09.02.2017.</p> <p>iii) On 'Global Warming' by Prof. PST Sai, Department of Chemical Engineering, IIT Madras. Date: 18.02.2017.</p> <p>iv) On 'Safety in Chemical Engineering' by Dr G S Venkata Ratnam, Senior Principal Scientist, CLRI Laboratories, Chennai. Date: 18.02.2017.</p> <p>v) On 'Global Challenges for Chemical Engineers' by Dr A Sarath Babu, Head & Professor, Department of Chemical Engineering, NITW, Warangal. Date: 17.02.2017.</p> <p>vi) On 'CO2 Capturing by various Techniques' by Prof. Sreenivas Jayanti, Department of Chemical Engineering, IIT Madras. Date: 03.03.2017.</p>
Guwahati	<p>a) Technical Lectures : i) On 'Evaluation of Batch Processes for Continuous Flow Synthesis of Metal and Metal Oxide Nanomaterial by Dr B L V Prasad, Physical/Materials Chemistry Division, National Chemical Laboratory, (CSIR), Pune. Date: 04.07.2016.</p>

	<p>ii) On 'Offshore Oil Transportation in Trinidad and Tobago: Challenges' by Dr Dhurjati Prasad Chakrabarti, Chemical Engineering, University of the West Indies, St Augustine, Trinidad and Tobago. Date: 08.08.2016.</p> <p>iii) On 'Analytical Techniques Based on GC-Pyrolyser & Twister' by Dr Klaus-Peter Sandow and Ms Susanne Rose, GERSTEL GmbH & Co.K. Date: 18.10.2016.</p> <p>iv) On 'Heat-Transfer Based Approach for Solids Deposition in Pipelines Carrying Waxy Crude Oils' by Prof Anil K Mehrotra, Department of Chemical & Petroleum Engineering, University of Calgary, Canada. Date: 04.12.2016.</p> <p>v) On 'Green Energy Towards Sustainable Energy Security' by Prof Donato Aranda, Head, Green Technology, Kinetics and Catalysis, Department of Chemical Engineering, Federal University of Rio de Janeiro, Brazil. Date:06.02.2017.</p>
Haldia	<p>a) Technical Lectures :</p> <p>i) On 'Scope and Prospects of Research on Energy and Energy Saving Devices' by Dr Biswajit Mandal, Assistant Professor, Department of Chemical Engineering, Haldia Institute of Technology. Date: 04.10.2016.</p> <p>ii) On 'Parametric Studies On Super Critical Fluid Extraction Using Carbon Di Oxide' by Mrs Sutapa Roy. Date: 15.03.2017.</p> <p>b) Seminar and Conference :</p> <p>i) On the theme of 'Safety in Process Industries'. Date: 27.10.2016. Speakers: i) Mr G C Kundu, DGM, Safety, IOCI, Haldia. Topic: 'Process Safety Management'. ii) Mr Mrityunjoy Sil, Chief Manager (Safety), Haldia Petrochemicals Ltd., Haldia. Topic: 'Hazard Identification and Risk Assessment'.</p> <p>ii) On the theme of 'Process Simulators with Practical Demonstration'. Date: 09.11.2016. Speakers : i). Mr Hussain A Tinwala, The President, Simtronics. ii) Mr Bruce Manthy, Vice President of International Sales, Simtronics.</p> <p>c) Workshop : 'Utkranti 2017' on CHEMCAD. Date: 27 and 28.02.2017 It was organized in collaboration with Entrepreneurship Development Cell, IIT, Delhi..</p>
Hyderabad	<p>a) Technical Lecture :</p> <p>i) On 'Scope of Membrane Technology' by Dr Sibdas Bandopadhaya, CSIR, Emeritus Scientist, Dept of Environmental Studies, Visva-Bharati, Santiniketan. Date: 19.08.2016.</p> <p>ii) On 'Moving Towards a Circular Economy - An Essential Need of the Hour' by Mr Ullas V Parlikar, Dy. Head ,Geocycle India, Date:01.10.2016.</p> <p>iii) On 'Experimental Designs and Response Surface Models for Process and Product Optimization, Application to Pharmaceutical Formulations' by Ch Venkateswarlu, Principal, B. V. Raju Institute of Technology (BVRIT), Narsapur. Date: 17.12.2016.</p> <p>iv) On 'Novel Activated Carbon Material Development for Carbon di Oxide Capture' by Prof Ajay K Dalai, University of Saskatchewan, Canada. Date: 13.02.17.</p> <p>b) Memorial Lecture : 10th M P Chary Memorial Lecture on 'Role of Chemical Engineer in Transforming Linear Economy Into Circular Economy' by Mr Ullas V Parlikar, Dy Head, Geocycle India. Date: 17.06.2017.</p> <p>c) Student Chapter Activities : SCHEMCON (Students' CHEMCON) BV Raju Institute of Technology, Narsapur organized 12th session of SCHEMCON. Date: 10 and 11.09.2016. (For detailed report, please go to Section 9.0) Symposium : 'RASAYANIKA-2K16' was organized by CVSR – Anurag Group of Institutions (AGI), Hyderabad. The theme was 'Emerging Trends in Chemical and Pharma Industries'. Date: 02 and 03.12.2016.</p>

<p>Jaipur</p>	<p>a) Technical Lecture :</p> <p>i) On 'Development of Novel CNT Supported Catalyst for Fischer Tropsch and Higher Alcohol Synthesis by Prof A K Dalai, University of Saskatchewan, Canada. Date: 15.07.2016.</p> <p>b) Symposium :</p> <p>On 'Water Purification & Reject Management (WPRM-2016)' in association with Department of Chemical Engineering, MNIT, Jaipur, WSSO, PHED, Rajasthan and Indian Desalination Association. Date: 12.11.2016.</p> <p>c) Short Course :</p> <p>On 'Advanced Optimization Techniques (AOT 2016). Date: 21 – 25.11.2016</p>
<p>Kanpur</p>	<p>a) Industry-Institute Interaction :</p> <p>The focus of the meet was on 'Lipid Sciences: Development and Prospects for Industrial Adaption'. Date: 27.08.2016. It was held under TEQIP II, World Bank Project. IChE had a number of collaborators as well.</p> <p>b) Workshop :</p> <p>On 'New Formulations and Trends in the Detergent Industry' under sponsorship of Novozymes South Asia Pvt. Ltd. And BASF India Ltd. Date: 25.09.16.</p>
<p>Kochi</p>	<p>a) Technical Lecture :</p> <p>i) On 'Role of Biofuels in Pollution Control' by Dr. Nishanath and Dr. Suchithra, Nottingham University. Date:17.10.2016.</p> <p>ii) On 'Global Energy Outlook and Evolution of Modern Oil Industry' by Mr. Immanuel C Thambi and Mr. Harinath V of BPCL – Kochi Refinery. Date:30.04.2016.</p>
<p>Lucknow</p>	<p>a) Technical Lecture :</p> <p>i) On 'Future Challenges and Diversification of Chemical Engineering' by Dr Dhananjay Singh, Honorary Regional Secretary on 22.02.2017.</p> <p>ii) On 'Sustainable Techniques to Save Energy and Environment' by Dr Dhananjay Singh, Honorary Regional Secretary on 29.03.2017.</p> <p>iii) On 'Recent Techniques for Sustainability of Energy and Environment' by Dr Dhananjay Singh, Honorary Regional Secretary on 30.03.2017.</p> <p>b) Workshops :</p> <p>i) On 'Internet of Things' on 06-10,03.2017.</p> <p>ii) On 'Waste to Wealth: Fundamentals & Hands on Experience' on 26-30,09.2016.</p> <p>iii) On 'Biology for Engineers' on 5-9,05,2017.</p> <p>c) Seminar :</p> <p>On 'Recent Advances and Innovations in Chemical and Materials Science' on 23-24, 02,2017.</p>
<p>Mangalore</p>	<p>a) Student Chapter Activity : Symposium</p> <p>CHEMIGNITE 2k16, a national meet on 'New Frontiers in Chemical Engineering', organized by Manipal Institute of Technology. Date: 21 and 22.10.2016.</p>
<p>Mumbai</p>	<p>a) Technical Lecture :</p> <p>On 'Water, Environment and Climate Change' by Dr Debashish Raha, chemical engineer and specialist in Environment Engineering. Date: 20.05.2017.</p> <p>b) Seminar :</p> <p>On 'Water: Conservation, Recycling and Desalination'. Date: 04.02.2017. It was held in association with Indian Desalination Association.</p>

<p>Nadiad</p>	<p>a) Student Chapter Activities :</p> <p>Symposium</p> <p>On 'Understanding Fouling Mechanism in Heat Exchanger for Efficient Design' at Maharaja Sayajirao University of Baroda. Date: 17.01.2017. It was held in collaboration with Heat Transfer Society of India. The faculty members and students of DDU Nadiad attended the seminar under the banner of IChE Students Chapter, Nadiad.</p> <p>Technical Lecture</p> <p>On 'Process Design of Heat Exchanger' by Mr. Rajan Desai, International Head, HTRI and Founding Director, HTRI was organized at DDU Nadiad. Date: 28.01.2017.</p> <p>Seminar</p> <p>On an Overview of C-2 Derivatives. Mr. Kalpesh Modi, Reliance Industries Ltd., Baroda spoke on the subject at DDU Nadiad. Date: 28.02.17.</p>
<p>Nagpur</p>	<p>a) Student Chapter Activity Conference :</p> <p>'CHEMIX-17' was organized by Visvesvaraya National Institute of Technology, Nagpur. Date: 24 and 25.03.2017. The conference highlighted inter-disciplinary research in Chemical Engineering.</p>
<p>Northern</p>	<p>a) Technical Lectures :</p> <p>i) <i>Under Learning with the Leaders series:</i> On 'Steam Methane Reforming for Hydrogen Production' by Mr Rajesh Kumar Ramaswamy, Lead Engineer, HyCo Technology, Air Liquide Global E&C Solutions India Pvt Ltd., Date: 15.10.2016.</p> <p>ii) On 'Technology Commercialisation at the Interface of Chemistry and Chemical Engineering' by Dr. Anjan Ray, Director, CSIR, IIP, Dehradun. Date: 21.01.17. The lectured was delivered at the Founday Day celebration of Northern RC.</p> <p>iii) At R&D Conclave, organized in association with Lovraj Kumar Memorial Trust (LKMT), the following lectures were delivered. Date: 02 and 03.02.2017.</p> <p>i) 'Issues Pertaining to Imaging in Thrust Fold Belt Areas' by Mr K Dasgupta, Oil India Ltd. ii) 'Non Seismic Methods in Oil & Gas Exploration' by Mr David Moore, CGG. iii) Acquisition of Non-seismic Data and Integration for Seismic Imaging in Faulted Thrust Belt Areas' by Ivica Mihaljevic, Schlumberger. iv) 'Issues in Hand, Current Status in the Industry and the Challenges Being Faced', by Mr. J P Dobriyal, COD, HP-HT ONGC Ltd. v) 'HPHT Challenges and Possible Solutions: Fracturing in HPHT Reservoirs' by Ms Juli Singh and Mr Krishna Bordeori, Schlumberger. vi) 'Focus on Relevant Technology and Services – Available and in Pipelines' by Mr A Reghu Padmanabhan, Weatherford. vii) 'Exploration for Natural Gas Hydrate – Way Head' by Dr Pushpendra Kumar, GM (Gas Hydrate Programme, ONGCL. viii) 'Exploitation of Fractured Reservoirs – A Lab Scale Approach' by Dr Jyoti Phirani, Assistant Professor, Department of Chemical Engineering, IIT, Delhi. ix) 'Thermal Technology in Search of Hyderocarbon' by a. Mr Anil Kumar, Director, Nityam Geo Services Pvt Ltd., by Dr Igor Glushchenko and Dr Vladimir Kuzenkov.</p> <p>b) Student Chapter activities :</p> <p>i) Shiv Nadar University organized the following lectures:</p> <p>a) On 'Opportunities & Technologies for Ethylene and Propylene Production Units in India' by Mr Bipin Vora. Date: 02.02.2017. b) On 'Why is HAZMAT or Chemical Emergency Response Important' by Prof J J Horng. Date: 16.02.2017. c) On 'Holtec International and Its Inherently Safe Modular Nuclear Reactor' by Dr Jyoti Chatterjee. Date: 27.02.2017. d) On 'Development in Technology for Production of Ammonia and Urea' by Dr S Nand. Date: 25.03.2017. e) On i. 'Energy Conservation in Fertiliser Plants' and ii. 'Environmental Considerations in Production of Fertilisers' by Mr Manish Goswami. Date: 25.03.2017.</p>

<p>Pilani</p>	<p>a) Talks :</p> <p>i) An interactive talk session between Prof. K N Ponnani, BITS Pilani, Goa campus and BE, ME and PhD students of BITS, Pilani. Date: 17.01.2017.</p> <p>ii) On Principles of Process Design' by Dr. Siddharth Mukherjee, Director – Technology, Air Liquide Global EC Solutions India Pvt. Ltd. Date: 01 and 08.04.2017.</p> <p>b) Workshops :</p> <p>i) On ' Introduction to Matlab and Simulink for Chemical Engineers. Date:05.02.2017.</p> <p>ii) On 'Analytical Instruments for Chemical and Environmental Engineers (WAICEE – 2017). Date: 10 and 11.02.2017.</p>
<p>Pune</p>	<p>a) Technical Lectures :</p> <p>i) On The Essence of Chemical Technology Management' by Dr Anand Apte and 'Fundamentals of Thermodynamics and its relevant application to Process Industries' by Prof Rajnish Kumar. Date: 24.03.2017.</p> <p>ii) On 'Design Aspects of Roof Top OV Solar System' by Mr. Subhash Pansare, VP, Relyonsolar Pvt. Ltd., Pune. It was delivered on the occasion of AGM of Pune Regional Centre. Date: 28.06.2017.</p> <p>b) Conferences :</p> <p>i) On 'Prakalp-2016', a national level Chemical Engineering Students' Conference in collaboration with MIT AOE, Pune. Date: 26 and 27.08.2016.</p> <p>ii) On 'Sustainable Development for Energy and Environment (ICSDEE). Date: 16 and 17.01.2017.</p>
<p>Rourkela</p>	<p>a) Technical Lectures :</p> <p>i) On 'Synthesis of Green Transportation Fuel: Investigations in Ultrasonic Route to Biodiesel Production' by Prof Vijay S Maholkar, IIT Guwahati. Date: 30.09.2016.</p> <p>ii) On 'Frontiers in Bioenergy Production and Processing for Meeting Climate Change Issues in 21st Century' by Prof Ajay Kumar Dalai, Univ.of Saskatchewan, Canada. Date: 01.03.2017.</p> <p>iii) On 'Clean Coal for Green Steel – Essential Steps Towards Sustainability of Steel Industries in India' by Pratik Swarup Dash, Head, Coal and Coke Making, Tata Steel R&D, Jamshedpur. Date: 10.04.2017.</p>
<p>Trivandrum</p>	<p>a) Technical Lectures :</p> <p>i) On 'Development of a Dural Substitute by Electrospinning of Polyurethane for Cranial Neurosurgery' by Dr Arjun Namboodiri, RPP/VSSC, ISRO. Date: 26.11.2016.</p> <p>ii) On 'Enhancing of Thermal Conductivity of Heat Exchangers Using Epoxy-Graphite Composite' by Mr Nithin Sebastian Kuncheria and Mr Kiran Abraham Jacob, Students of TKM College of Engineering, Kollam, who presented a paper on this subject at AchemAsia 2016 in Beijing.. Date: 26.11.2016.</p> <p>iii) On 'Solid Waste Management in Trivandrum Corporation' by Dr Ajit Haridas,NIIST was jointly organized by TVRC and Institution of Engineers, Trivandrum.</p>
<p>Vapi</p>	<p>a) Seminar :</p> <p>i) On 'Managing Process and Powder Handling Hazards'. It was conducted by GVS Cibatech. Date: 24.01.2017.</p>

4.0 Council Meeting Highlights

The Council had the following meetings between 1 April 2016 and 31 March 2017.

4.1 3rd meeting for 2016, held at Dr. H. Roy Building, IChE HQ, Kolkata on 7 May, 2016.

Constitution of Committees

The Council decided to constitute the following 13 (Thirteen) Standing Committees for the year 2017 on the basis of Clause 26 of the Constitution. A few other committees were set up as well.

Functional Committees for 2017

01.	Publication Committee	<p>Prof V K Rattan (Convener) Prof S K Sharma (Chairman) Mr Shyam Bang Prof R K Wanchoo Prof V K Srivastava Prof K K Pant Prof Surender Kumar</p>
02.	Education & Examination Committee	<p>Dr M Rajasimman (Convener) Prof M V Rao (Chairman) Prof S V Satyanarayana Dr S K Gupta Dr G S Nirmala Dr K Saravanan Dr G Pugazhendhi</p>
03.	Finance Committee	<p>Mr S I Thakar (Convener) Prof B R Saha (Chairman) Mr P R Datta Ray Prof Bishnupada Mandal Mr P G Dave Prof P De – Ex- officio Mr Dipak Dutta – Ex-officio</p>
04.	Regional Centre Affairs Committee	<p>Prof Vinay K Srivastava (Convener) Mr Praveen Saxena (Chairman) Dr K S Rajanandam Mr C P Ramulu Prof S P Chaurasia Dr Bishnupada Mandal Dr H M Jena</p>
05.	Awards/Judges Committee	<p>Mr Dipak Dutta (Convener) Prof P De (Chairman) Prof K S Gandhi Prof B K Dutta Dr B D Kulkarni Prof G D Yadav Prof V K Srivastava</p>
06.	Building Committee	<p>Prof Radha Das (Convener) Prof B K Dutta (Chairman) Mr S I Thakar Prof C Bhattacharya Prof A K De Prof S V Satyanarayana Dr S K Gupta Prof C Karthikeyan (Invitee) Mr Dipak Dutta – Ex-officio Prof P De – Ex- officio</p>

07.	Research & Development Committee	Prof B P Mondal (Convener) Dr Chiranjeeb Bhattacharjee (Chairman) Prof C Karthikeyan Prof M Srinivasa Rao Prof B C Meikap Prof Saikat Maitra Dr S K Gupta
08.	Student Chapter Affairs Committee	Prof C Karthikeyan (Convener) Dr M Srinivasa Rao (Chairman) Dr Ajay K Bansal Dr S V Satyanarayana Dr K B Radhakrishnan Dr Sachin Mandavgane Dr Rajat Chakraborty
09.	Honorary Fellowship Committee	Mr Dipak Dutta (Convener) Prof P De (Chairman) Mr Shyam Bang Prof G D Yadav Prof A K Mitra Dr P G Rao Mr D P Misra
10.	Legal Committee	Mr Dipak Dutta (Convener) Prof P De (Chairman) Mr Shyam Bang Mr D M Butala Prof Asim K De Mr P R Datta Ray
11.	Chemical Process Safety Group	Dr K S Rajanandam (Convener) Mr D M Butala (Chairman) Prof S P Chaurasia Dr R Shyam Sunder Prof Y J Rao Mr K V Ramana Murthy
12.	International Relations Committee	Prof S P Chaurasia (Convener) Prof G D Yadav (Chairman) Prof Ajay K Dalai Prof Ranil Wickramasinghe Prof Vishnu Pareek Prof B P Mandal Dr S K Gupta
13.	Admission Committee	Mr Dhawal Saxena (Convener) Mr D P Misra (Chairman) Prof Vinay K Srivastava Prof S P Chaurasia Dr M K Jha Dr Shishir Sinha Dr K K Pant

14.	Industry Institute Interaction Committee	Mr Dhawal Saxena (Convener) Prof M Srinivas Rao (Chairman) Mr Essaki Ram Kumar Mr V K Soni Dr Gaurav Rattan Mr S A Luthra Mr Gokul D
15.	Chemcon Distinguished Speaker	Mr Dipak Dutta (Convener) Prof P De (Chairman) Prof G D Yadav (Chairman, International Relations) Prof Radha Das (Organizing Secretary, Chemcon) Chairman, NOC, Chemcon Mr A P Gangopadhyay (Chairman, LOC, Chamcon) Representative of concerned Donor company
16.	Chemcon Protocol Committee	Mr C P Ramulu (Convener) Prof Vinay K Srivastava (Chairman) Prof M V Rao Mr Dhawal Saxena Prof C Karthikeyan Prof G D Yadav (Chairman, NOC) Mr A P Gangopadhyay (Chairman, LOC) Mr Dipak Dutta – Ex-officio Prof P De – Ex- officio
17.	Library, Documentation and Website Committee	Prof M S Rao (Convener) Dr C Karthikeyan (Chairman) Dr Ajay Bansal Dr Vimal Gandhi Mr S I Thakar Mr Dhawal Saxena

Administrative

On-line Election

The Council decided to introduce the on-line voting process from 2017 to elect Council for 2018 after carrying out the necessary trials.

Financial

Quarterly Accounts : The members noted the Financial Statements for the quarter ending March 2016. The Hony. Treasurer Mr. Dipak Dutta explained about the

financial management in response to a query by the members about excess of Payment over Receipt. The members reiterated the importance of organizing more events in order to overcome the deficit.

Examination

AMIIChE Results :

Out of a total of 31 candidates, who appeared in September 2015 Home Paper Examination, the following 25 came out successfully. Results were published on 03.03.2016.

The following candidates, appearing for the Home Paper Examination (IICHe) September 2015, passed successfully.

Sl. No.	Name	Roll No.	Sl. No.	Name	Roll No.
1.	P. Nagaraju	00/M4/557	14.	Pratik Yadav	11/M11/74
2.	Anujit K. Kulshrestha	02/M4/345	15.	Jayashankar	11/M11/130
3.	Manojkumar B. Darji	04/M4/181	16.	Ms. Shamhira Khatoon	11/M11/143
4.	Nitin Saxena	05/S5/274	17.	Amjad Husain	11/M11/147
5.	Chinmay Kundu	06/S6/447	18.	Subhash Sharma	11/M11/158
6.	Malkeet Singh	07/M7/57	19.	Dilip Kumar Verma	11/S11/535
7.	Ajai Singh Pal	07/S7/295	20.	G. Jesu Retna Raj	12/M12/51
8.	Sushil Kumar Singh	07/S7/356	21.	Gyanesh Singh	12/M12/168
9.	Manojkumar B Tiwari	09/S9/469	22.	Navneet Kumar Yadav	13/M13/45
10.	Kuldeep Verma	10/M10/148	23.	Y. Ch. M. Naidu	10/M10/4
11.	P. Pavan Kumar	10/S10/363	24.	Dheerendra Makwana	11/S11/504
12.	Surya Mani Pandey	10/S10/485	25.	Tushar G. Saya	10/S10/332
13.	Devendra Kumar	10/S10/529			

Regional Centres / Students Chapters

Prof. G.A. Shareef, Vice President, and Convenor, Regional Centre Affairs Committee', presented recommendations of the Committee regarding functioning of the Regional Centres. The Council Members considered the same and requested Prof. Shareef to take suitable measures for execution of the recommendations by the Regional Centres.

New Regional Centres : The members decided to approve opening of a new Regional centre at Dhanbad named 'Dhanbad Regional Centre' subject to fulfilment of other criteria laid down in the Bye-law for the Regional Centre of the Institution.

New Students Chapters : The Council approved the formation of Students' Chapters in the Department of Chemical Engineering, at School of Engineering., Shiv Nadar University, Dadri, UP under the aegis of Northern Regional Centre.

Transfer of jurisdiction : Prof. De, Hony. Secretary, informed members about change of jurisdiction for Students' Chapters at three Institutes, i.e., Vignan's University Student Chapter', 'Bapatla Engineering College Student Chapter' and 'RVR & JC College of Engineering Student Chapter' from Waltair Regional Centre to Guntur Regional Centre following receipt of official communications from the respective Student Chapter Coordinators.

The action was ratified by the members.

AICTE recognition : Prof. De informed the members that Mr Shyam Bang, President, has requested Prof Anil D Sahasrabudhe, Chairman, AICTE, through a letter to take up with UPSC the matter of inclusion of Chemical Engineering as a subject in the syllabus of Engineering Services Examination (ESE) scheme. The President has also requested the AICTE Chairman to consider the passed out candidates of AMIChE along with M.E/ M.Tech degree, acquired through contact mode (regular/ part time), to be eligible for the appointment as faculty in Technical Education Institutes, like the AMIE passed out candidates from Institution of Engineers are recognised.

4.2 4th meeting for 2016, held at Northern Regional Centre Building, New Delhi on July 9, 2016

Administration

Improved Functioning : Prof. De made a brief report about the discussion held on 8 July 2016 regarding improved functioning of the Institute. The meeting had considered issues, such as, amendments of constitution, bye-laws for Regional Centres and Students' Chapters, etc. Following the briefing by Prof. De, the members requested the Honorary Secretary to take further action on the concerned matters.

Subsequently, amendments to the Constitution were adopted at the EGM, held on 10 September 2016 at BVRIT, Narsapur, Telengana.

HQ Executive : The members agreed upon appointment of a competent executive at the Head Quarters. The executive would take necessary action on the proposals approved by the Council with a view to enhancing the activities and visibility of the Institute. The Officer should be responsible to raise financial resources of the Institute. The Council authorized the President, Vice-President, Honorary Secretary and Hony Treasurer to take final decision on the matter.

Website and Related Matters : Prof. De requested the Council Members to put forward their suggestions regarding improvement of the IChE Website. In this connection, he also informed the members about update of the membership format and about progress in development of a software for on-line membership of IChE.

4.3 5th meeting for 2015, held at BVRIT, Narsapur, Medak on September 10, 2016

FICCI - IChE MoU

Prof. P De informed the members about signing of an MoU for a non-financial collaboration towards organizing CHEMCON 2016, incorporating the logo of IChE and FICCI. The members appreciated the kind gesture extended by the authority of FICCI.

Members were also apprised about IChE joining Chemical and Petrochemical Sector Skill Council (CPSSC), an autonomous body initiated by FICCI, for the purpose of developing essential and effective human resources in the concerned fields. IChE has joined the initial band of 15 organisations and associations which will partner CPSSC to offer training and logistic support.

In this connection, Prof. De also informed the members about participation of the Mumbai Regional Centre of IChE in the exhibition 'Indiachem-2016', organized by FICCI during 1 - 3 September in Mumbai. The Council Members complimented Mumbai Regional Centre for their active participation and stressed on exploring the possibility of having such programmes at other places also.

CHEMCON 2017

The members decided that from CHEMCON 2017 onwards 50% of the surplus from the corpus of CHEMCON or Rs. 5.0 lakh, whichever is higher, would

have to be given to the Head Quarters (HQ) as donation/ contribution.

Financial

Prof. De informed receipt of a letter from the Hony. Secretary, Calcutta Regional Centre, requesting to take appropriate action regarding opening of an FCRA [Foreign Contribution (Regulation) Act] Account. This would facilitate receipt of foreign contributions in non-Indian currencies. Prof. De also explained about the need for FCRA Account for all Regional Centres and HQ. The members discussed the issue in details and requested the Honorary Treasurer to prepare a guideline for operation of FCRA Account and process for its Registration along with resolutions required.

The members also suggested that the HQ retains 15% of the foreign contribution received to meet the necessary administrative expenses for maintaining the Account.

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

(i) Kongu Engineering College, Erode under Coimbatore Regional Centre and (ii) National Institute of Technology, Raipur under Nagpur Regional Centre.

4.4 6th meeting for 2016 held at A C Tech., Anna University, Chennai on December 26, 2016

Appointment of Executive Secretary

Prof. De informed the Members about the joining of Mr. Deb Kumar Datta, in the post of Executive Secretary from 1 November 2016. He is a Chemical Engineering Graduate with 40+ years of experience in different areas of chemical engineering.

The Members ratified the appointment with pleasure and welcomed Mr. Datta at IChE HQ.

Financial

Foreign Contribution (Regulation) Act (FCRA)

The Council adopted the following resolutions with regard to application for FCRA registration with the Ministry of Home Affairs, Government of India.

- i. Application will be made to the Ministry of Home Affairs, Government of India on behalf of the Institute.
- ii. Hony. Secretary will be the Chief Functionary.

- iii. A Current Account will be opened with SBI, Jadavpur University branch, Kolkata for operation of FCRA Account.
- iv. Out of foreign contributions, made to respective Regional Centres, 85% will be transferred to the concerned Regional Centre from the single account and the remaining 15% will be retained by the HQ for meeting the related administrative expenditure.

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

- i. National Institute of Technology, Tiruchirappalli; ii. Dr. D.Y. Patel Institute of Engineering Management & Research, Pune; iii. Manipal University, Jaipur; iv. Pacific School of Engineering, Surat; v. Malaviya National Institute of Technology, Japur; vi. Sarvajanic College of Engineering & Technology, Surat.

Examination

The following 58 candidates came out successfully out of a total of 65 candidates, who appeared for March 2016 Home Paper Examination. The result was published on 09.09.2016.

The following candidates, appearing for the Home Paper Examination (IIChE) March 2016, passed successfully.

Sl. No.	Name	Roll No.	Sl. No.	Name	Roll No.
1.	Ram Bahadur	02/S11/99	30.	Pravin B. Jejurkar	09/S9/417
2.	Jigar A. Vachhrajani	04/M4/196	31.	Pradeep Kumar	09/S9/424
3.	Madhusudan Uthasini	05/M5/146	32.	Chetankumar R. Chaudhari	09/S9/498
4.	Md. Rizwan N. Saiyad	06/M6/89	33.	Sanjay Kumar K. Asoda	10/M10/10
5.	Man Singh Rawat	06/M6/203	34.	Himansu Kumar Pattanaik	10/M10/75
6.	M. Singaravel	06/S6/337	35.	Ashish C. Patel	10/M10/183
7.	Satyabrata Kar	06/S6/351	36.	Amitabh Chauhan	10/M10/211
8.	S. Suresh Raja	06/S6/377	37.	Sukhdeep Singh	10/M10/258
9.	Ram Kedar R. Yadav	07/M7/55	38.	Dipak G. Rajput	10/S10/359
10.	Rakesh Kumar Chaturvedi	08/M8/92	39.	Shailesh Kumar Yadav	10/S10/385
11.	Dushyant Kumar	08/M8/160	40.	Munaf A. Damani	10/S10/398
12.	Sewak Ram	08/M8/185	41.	V. K. Malleswara Rao	10/S10/413
13.	Rakesh Kumar Singh	08/S8/257	42.	Satish Kumar Srivastava	10/S10/428
14.	Devendra Kumar Verma	08/S8/264	43.	Mahendra Kumar	11/M11/78
15.	Arun Kumar	08/S8/267	44.	Kamlesh B. Parmar	11/M11/91
16.	Pijush Kanti Jana	08/S8/294	45.	Antony K D	11/M11/115
17.	Surya Prakash	08/S8/398	46.	Awdhesh Kumar Pal	11/M11/224
18.	Rishu Kumar	09/M9/31	47.	Raj Kishore Choudhary	11/S11/335
19.	Hardik V. Pandya	09/M9/84	48.	Dhiraj Mishra	11/S11/554
20.	Sachin Dattatraya Jadhav	09/M9/125	49.	Praveen G. Dhaundiya	12/M12/34
21.	Mayankumar P. Patel	09/M9/129	50.	Abhijit Sarkar	12/M12/138
22.	Vivek Kumar Rai	09/M9/147	51.	Manoj Kumar Shahi	12/M12/139
23.	Mandip C. Patel	09/M9/180	52.	Ms. Rajshri Ganesh Kadam	12/S12/346
24.	Vikesh S. Pardeshi	09/M9/213	53.	Bidyut Kumar Rana	13/M13/66
25.	Tarkeshwar Rai	09/M9/281	54.	Harsh A. Patel	13/M13/83
26.	Tapas Dinda	09/M9/321	55.	Tapas Mandal	13/M13/271
27.	Arnab Kumar Dey	09/M9/327	56.	Sundeep Parashari	14/S14/300
28.	Surendra Mohan Gupta	09/S9/346	57.	Jigneshkumar A. Bhagat	05/M5/66
29.	Balaji A	09/S9/365	58.	Sanjeev Kumar	10/S10/452

4.5 1st meeting for 2017 held at Conference Hall A C Tech, Anna University, Chennai.

Election of the President

The members elected Prof. P De as the President of the Institute for the year 2017.

Election of two Vice-Presidents

Prof. C. Karthikeyan and Prof Vinay K. Srivastava were unanimously elected as the Vice-Presidents of the Institute for the year 2017.

Election of Other Office Bearers

For the year 2017, the members elected Mr Dipak Dutta as the Honorary Secretary of the Institute. Prof M V Rao was unanimously elected as the Honorary Jt Secretary; Mr S I Thakar as the Honorary Treasurer; Mr Dhawal Saxena as the Honorary Registrar; Prof V K Rattan as the Honorary Editor; and Dr M Rajasimman was elected as the Honorary Controller of Examinations.

Development of Database

It was reported that Prof S. Satyanarayana was working on developing a database of students graduating as Chemical Engineers from various colleges in India. Prof. P De reported the meeting about publication of the list of institutions offering Chemical Engineering degree in the 2nd and 3rd issues of Newsletter during 2016. In this connection, the members requested Dr M Rajasimman to take up the task of co-ordination with the Students Chapter Affairs Committee.

The members suggested uploading of the list of research projects related to chemical engineering and allied subjects, carried out by different organizations on the IChE website. In this connection, Prof. De mentioned that the research projects funded by DST and some other funding agencies were published in the Newsletter of the institute in 2015.

4.6 2nd Meeting for 2016 held at IChE Headquarters, Kolkata on March 4, 2017

AICTE Nomination

Prof. P De, President, informed Members about nomination of Dr V S Sapkal, Professor & Head, Department of Chemical Technology, Sant Gadge Baba Amaravati University, Maharashtra as member to the IChE Council for 2017. The members welcomed Dr Sapkal as an Ex-officio member to the Council for 2017.

Representation in ECI

The Council decided that Mr. Shyam Bang, Immediate Past President, IChE and Prof. V K Srivastava, also a Past President of the Institute, would represent the Institute in ECI's Governing Body meeting.

Fellowship

The Council elected Mr Shyam Bang, Immediate Past President, IChE as a Fellow of the Institute as per prevailing practice.

The Council also elected Dr. N.N. Mahapatra and Dr. T. L. Prasad as Fellows of the Institute on the basis of recommendations from the Fellowship Committee.

Organisational Membership

The Council approved admission of (i) ICT, Mumbai and (ii) University Institute of Chemical Technology, North Maharashtra University, Jalgaon as Life Organisational Members of IChE .

Creation of Database

In continuation of the deliberation regarding creation of data base of students graduating as Chemical Engineers from various colleges in India, Dr.M.Rajasimman, Honorary Controller of Examinations, was requested to coordinate with the Students Chapter Affairs Committee. The Council also requested Prof. M. S. Rao to prepare a 'Format' for data compilation and forward the same to Dr. Rajasimman.

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

JNTUH College of Engineering (Autonomous), Kukatpally, Hyderabad.

Seminar

The Council was intimated about a seminar on 'Cooling in Industry - A Journey from Wet to Dry System', to be organised by the IChE headquarters, Kolkata at its auditorium on 24 March 2017. Indian Chemicals Council (ICC) and Heat Transfer Society of India (HTSI) would collaborate with IChE for this seminar as associates.

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 – President, IChE
- 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
- k. Personal Protection Equipment for Law and Order Agencies Sub-committee
Principal Nominee – Mr Ajay Kumar Kakkanattu
Alternate Nominee – Mr Umesh Goel
- l. Mechanical Engineering Design Sub-committee
Principal Nominee – Mr Pravin Saxena
Alternate Nominee – Mr Dhawal Saxena
- 2) Asia Pacific Confederation of Chemical Engineering** – President, IChE
- 3) Engineering Council of India** -
Mr. Shyam Bang and Prof V K Srivastava
- 4) World Council of Chemical Engineering** -
Mr K Venkataramanan
- 5) Technical Advisory Board – Chemical Science & Technology, CSIR** - Prof A K Mitra

6.0 Membership Position

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

Number of applications received for membership during the period under review (April 1, 2016 to March 31, 2017), the number approved by the Council and the actual enrolment during the referred period was 3842, 3828 and 3828, respectively.

Membership position as on 31 March 2017 is given below along with the corresponding figures as on March 31, 2016 and March 31, 2015.

	March 31, '17	March 31, '16	March 31, '15
Organisational Member (Life)	63	61	58
Organisational Member (Annual)	60	60	60
Honorary Fellow	128	128	126
Fellow (Life)	114	112	99
Fellow	22	22	32
Member (Life)	5305	5163	5001
Member	753	753	759
Life Associate Member	2675	2512	2378
Associate Member	934	939	947
Student Member	15555	12368	12157

The number of Corporate Members attached to each of the Regional Centres (as on March 31, 2017) are as follows:

Sl. No.	Regional Centre	No. of Members
1.	Ahmedabad	194
2.	Ankleshwar	446
3.	Annamalai	77
4.	Bangalore	185
5.	Baroda	362
6.	Bhubaneswar	111
7.	Calcutta	644
8.	Chandigarh	102
9.	Chennai	459
10.	Coimbatore	122
11.	Damanjodi	61
12.	Dehradun	53
13.	Dhanbad	53
14.	Doaba	34
15.	Durgapur	23
16.	Guwahati	60
17.	Goa	18
18.	Guntur	80

19.	Haldia	110
20.	Hyderabad	471
21.	Jaipur	78
22.	Kalpakkam	92
23.	Kanpur	67
24.	Kharagpur	72
25.	Kochi	299
26.	Lote	49
27.	Lucknow	39
28.	Mangalore	72
29.	Mumbai	836
30.	Nadiad	26
31.	Nagpur	79
32.	Northern	458
33.	Paradeep	34
34.	Pilani	27
35.	Pondicherry	35
36.	Pune	214
37.	Rourkela	54
38.	Trivandrum	138
39.	Vapi	57
40.	Waltair	223

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 Corporation Ltd., Refinery Division, 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	Novo Iresc India Private Ltd., New Delhi
34	Oil and Natural Gas Corporation Ltd., Dehradun
35	Pidilite Industries Ltd., Mumbai
36	RPG Life Sciences Ltd., Mumbai
37	Sartorius India Pvt. Ltd., Bangalore
38	Sud-Chemie Inda Ltd. (United Catalyst India Ltd.), Mumbai
39	Themis Medicare Ltd., Mumbai
40	Toyo Engineering India Ltd., Mumbai
41	TUV Suddeutshland Ltd., Mumbai
42	United Phosphorus Ltd., Ankleshwar, Gujarat
43	Vical Inc., USA

The following organizations joined IICChE as Organizational Members upto March 31, 2017:

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

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	Mr Guru Gobind Singhji Institute of Engineering & Technology, Nanded, Maharashtra
14	St. Joseph's College of Engineering, Chennai
15	SSN College of Engineering, Tamil Nadu
16	Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu
17	Swami Ramananda Tirtha Institute, Nalgonda
18	Vikram Sarabhai Space Centre, Thiruvananthapuram
19	Institute of Chemical Technology, Mumbai
20	University Institute of Chemical Technology, North Maharashtra University, Jalgaon

Annual Organisational Members – Industry

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

15	Engineers India Ltd., New Delhi
16	Fertilizers and Chemicals Ltd., Secunderabad
17	Garg Lab Glass Industries, Vapi, Gujarat
18	Gas Authority of India Ltd., New Delhi
19	Gujarat Ambuja Cements Ltd., Kodinar
20	Gujarat Insecticides Ltd., Ankleshwar
21	Gujarat Narmada Valley Fertilizers Co. Ltd., Narmadanagar
22	Gujarat Sidhee Cement Ltd., Veraval
23	Gujarat State Fertilizer & Chemicals Ltd., Vadodara
24	Heavy Water Plant, Tuticorin
25	HEL India Ltd., Thane
26	Heubach Colour Pvt. Ltd., Ankleshwar
27	Hindustan Antibiotics Ltd., Pune
28	Hindustan Insecticides Ltd., New Delhi
29	Hindustan Organic Chemicals Ltd., Rasayani, Maharashtra
30	Hindustan Paper Corporation Ltd., Calcutta
31	Indian Petrochemical Corporation Ltd., Baroda
32	Indian Rayon Ltd., Veraval, Gujarat
33	Kevin Enterprises Pvt. Ltd., Mumbai
34	Mafatlal Industries, (Navine Flourine Industries – Chemical Division) Mumbai
35	Narmada Chematur Petrochemicals Ltd., Varuch
36	Nuchem Ltd., Faridabad
37	Nuclear Fuel Complex, Hyderabad
38	Saurashtra Cement Ltd., Gujarat
39	Sayantana Consultants Pvt. Ltd., Calcutta
40	Search Chem Industries Ltd., Jhagadia
41	Mrram Alkali & Chemicals, Bharuch
42	Mrram 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., Ankleshwar
53	Zuari Agro Chemicals Ltd., Zuarinagar, Goa
54	Zandu Chemicals Ltd., Ankleshwar

Annual 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, Tamilnadu

7.0 Associated Membership Examination

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

Year	No. of Candidates
2007	1529
2008	1749
2009	1999
2010	2222
2011	2406
2012	2495
2013	2283
2014	1872
2015	1427
2016	1206

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

Year	Semester	No. Appeared	No. Passed	% of successful candidates
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
2015	March	54	50	92.59
	September	30	25	83.33
2016	March	62	58	93.55
	September	36	31	86.11

8.0 IICHe Awards 2016

In addition to the six National Awards and their recipients, the names of which have been highlighted under CHEMCON report (Section 1.0), a list of 39 other IICHe Awards and names of the awardees are presented below. These awards were also presented on the occasion of CHEMCON 2016.

Name of the Awards/Prizes and Awardees of the Year

- Solenis Bharat Ratna Prof C N R Rao Medal and Chemcon Distinguished Speaker Award**
 Padmashri Shri M C Dathan
 Former Director, Vikram Sarabhai Space Centre (VSSC) Scientific Advisor, Chief Minister Kerala
- RPG Life Sciences Padma Vibhushan Prof M M Sharma Medal and Chemcon Distinguished Speaker Award**
 Prof Ashok Jhunjhunwala, IIT-Madras, Chennai
- Asian Paints Padma Bibhushan Dr R A Mashelkar Medal and Chemcon Distinguished Speaker Award**
 Prof M Lakshmi Kantam
 Dr B P Godrej Distinguished Professor and J C Bose National Fellow ICT, Mumbai
- Deepak Group's Padma Bhushan Prof L K Doraiswamy Chemcon Distinguished Speaker Award**
 Prof Ashwin Nangia Director, NCL, Pune
- Chemical Weekly's Padmashri Dr G P Kane Chemcon Distinguished Speaker Award**
 Prof P Selvam, IIT-Madras, Chennai

6. **Hetero Drugs Prof G S Laddha Chemcon Distinguished Speaker Award**
Prof G D Yadav
Vice Chancellor and RT Mody Distinguished
Professor ICT, Mumbai
7. **IICT-Avon Padmashri Dr G S Sidhu Chemcon Distinguished Speaker Award**
Dr K Vijayamohan, Director, CECRI, Karaikudi
8. **Sartorius India's Chemcon Distinguished Speaker Award**
Prof Pramod Wangikar, IIT-Bombay, Mumbai
9. **United Phosphorus Chemcon Distinguished Speaker Award**
Dr A Ajayaghosh Director, NIIST, Trivandrum
10. **Hikal's Chemcon Distinguished Speaker Award**
Prof Madhumita Ray, Western University, Canada
11. **CSMCRI Chemcon Distinguished Speaker Award**
Prof P K Bhattacharya
Director, Rajiv Gandhi Institute of
Petroleum Technology Rae Bareilly, UP
12. **CLRI Padmabhushan Dr Y Nayudamma Chemcon Distinguished Speaker Award**
Dr S Chandrasekhar, Director CSIR-IICT, Pune
13. **DOST Professor S K Sharma Medal and Chemcon Distinguished Speaker Award**
Prof V S Sapkal
Former Vice Chancellour STM Nagpur University
14. **CHEMCON NEERI Distinguished Speaker Award**
Prof Shankar Narasimhan, IIT-Madras, Chennai
15. **Alkyl Amines Padma Bhushan Prof B D Tilak Chemcon Distinguished Speaker Award**
Dr C Anandharamakrishnan
Director, IICPT, Thanjavur, Tamil Nadu
16. **The Chemical Weekly Prize for Best Research Paper published in a High Impact Factor International Journal by an Undergraduate Chemical Engineering Student (First and Second Prizes)**
1st Prize
Ms Ankita Vinod Naik, ICT, Mumbai
17. **Chemical Weekly Award for the Best Paper Published in the Institute's Journal (ICE-2015)**
Dr Pushkar Varshney and Dr Deepak Kunzru
IIT, Kanpur and
Dr Santosh K Gupta, UPES, Dehradun
18. **IICHe NRC Award Best Paper in "Indian Chemical Engineer" 2015**
Dr Pushkar Varshney and Dr Deepak Kunzru
IIT, Kanpur and
Dr Santosh K Gupta, UPES, Dehradun
19. **The Kuloor Memorial Award to the best technical paper published in the journal of the Institute in the issues of the preceding year**
Dr Pushkar Varshney and Dr Deepak Kunzru
IIT, Kanpur and
Dr Santosh K Gupta, UPES, Dehradun
20. **IICHe NRC Award 2nd Best Paper in "Indian Chemical Engineer" 2015**
Dr Khursheed B Ansari, Dr Ninad H Loke,
Dr V G Gaikar and Dr A B Pandit, ICT, Mumbai and
Dr Ramaraj Sivakumar, Dr Rajeev Kumar and
Dr Santanu Das, BPCL, Noida
21. **Sisir Kumar Mitra Memorial Award to the second best technical paper published in the journal of the Institute in the issues of the preceding year**
Dr Khursheed B Ansari, Dr Ninad H Loke,
Dr V G Gaikar and Dr A B Pandit, ICT, Mumbai and
Dr Ramaraj Sivakumar, Dr Rajeev Kumar and
Dr Santanu Das, BPCL, Noida
22. **IICHe NRC Award 3rd Best Paper in "Indian Chemical Engineer" 2015**
Dr Simi Santosh, and Dr M Chidambaram
IIT Madras, Chennai
23. **Mr.M.H.Shukla Prize for Best Tech Paper presented in preceding year CHEMCON (2 Prizes)**
1st Prize
Dr Avijit Nag and Dr Bidhan Chandra Bag
DRDO, Nagpur
2nd Prize
Dr B Rajasekhar Reddy and Dr R Vinu
IIT Madras, Chennai
24. **Mrs.Chinnamaul Mem. Prize for Best Tech Paper presented in preceding year CHEMCON**
Dr Avijit Nag and Dr Bidhan Chandra Bag
DRDO, Nagpur
25. **Kishore K Das Memorial Prize for securing highest marks in Part-III (Home Paper) Associate Membership Examination of the Institute**
AMIICHe Exam held in September 2015
Mr Manojkumar B Darji, Himmatnagar, Gujarat
AMIICHe Exam held in March 2016
Mr Jigneshkumar A Bhagat, Bharuch, Gujarat

26. **Prof D K Guha Award for AMIChE Candidates**
Mr Sundeep Parashari
Panipat Refinery Township Panipat, Haryana
27. **N R Nandi Memorial Prize**
Mr Sundeep Parashari
Panipat Refinery Township Panipat, Haryana
28. **M P Chary Memorial Award**
Ms M Susree, IIT, Hyderabad
29. **Late Lakshmi Nandakumar Award of the Institute for best presentation in Schemcon 2016 by a Lady Student**
Ms Aparna Tiwari, MIT, Pune
30. **Gouri Dutta Award for the Best Paper presentation in Schemcon 2016 of the Indian Institute of Chemical Engineers**
Mr Sagar Dutta, HIT, Haldia
31. **Ambuja's Young Researcher's Awards for doing Post-Graduate Studies in India after GATE Examination (Ten Prizes)**
1. Mr Sourav Sengupta, IIT Kharagpur
 2. Mr Rajmohan Aetukuri, NIT, Jalandhar
 3. Mr Vibhu Sharma, IIT Bombay
 4. Ms Ekta Sharma, IIT Bombay
 5. Mr Varun Punnathnam, IIT Guwahati
 6. Ms Upasana Mahanta, IIT Guwahati
 7. Ms Tamoghna Saha, IIT Madras
 8. Ms Shally Gupta, IIT Kanpur
 9. Ms Rajeshree A Khaire, ICT, Mumbai
 10. Ms Annesha Das, JU, Kolkata
32. **Ambuja's Best Student Chapter Award (2 Prizes)**
- 1st Prize**
IChE Student Chapter, TKM College of Engineering, Karikode, Kollam
- 2nd Prize**
IChE Student Chapter, KLE Dr Sheshgiri College of Engineering & Technology Belgaum
33. **Pidilite's Best Student Chapter Award**
IChE Student Chapter
RVR & JC College of Engineering (A) Guntur
34. **Best Regional Centre Award (3 Prizes)**
- Category "A" Best**
Ankleshwar Regional Centre, IChE
- Category "B" Best**
Bangalore Regional Centre, IChE
- Category "B" Second Best**
Haldia Regional Centre, IChE
35. **Prof. P. Sen Gupta Award for Best Employee of the Year**
Mr Sukanta K Roy, IChE, Kolkata
36. **Acharya P C Ray Award for the Best Home Paper at the Final Degree Examination (2 Prizes)**
- 1st Prize**
Mr Aravind Y K, Sastra University, Thanjavur
- 2nd Prize**
Mr. Vignesh C S, Sastra University, Thanjavur
37. **Ambuja's Best Home Paper or Design Project Report Awards (3 Prizes)**
- 1st Prize**
Ms Ankita Vinod Naik, ICT, Mumbai
- 2nd Prize**
Mr Ujjal Manish Shah, ICT, Mumbai
- 3rd Prize**
Ms Pinaki Manoj Ranadive, IChE, Kolkata
38. **Pankaj P Patel Trust Essay Competition Prize**
Ms J Roshini, CIT, Coimbatore
39. **VICAL Award for best Students Activities for the Best Paper Presentation during the previous SCHEMCON (3 Prizes)**
- 1st Prize**
Ms Mouna H M and Mr Gurav Parag Vinaayak
BITS Pilani, KK Birla Goa Campus, Goa
- 2nd Prize**
Ms Ishita Sinha and Mr Anupam Mukherjee
Haldia Institute of Technology, Haldia, West Bengal
- 3rd Prize**
Mr Saksham Grover, Mr Rohan Ohri and
Mr Pradhuman Aggarwal
University School of Chemical Technology,
GGSIU, Delhi

9.0 Students' CHEMCON

The 12th annual session of Students' Chemical Engineering Congress or SCHEMCON 2016 was organized by the B.V. Raju Institute of Technology (BVRIT) Narsapur, Medak on 10 and 11 September 2016 under the aegis of Hyderabad Regional Centre (HRC), IChE.

The theme of this conference, 'Chemical Engineering Cutting Edges – Towards Brighter Prospects' provided a scope to the student community to focus on the developments and advancements in the field of Chemical Engineering. The theme was highly relevant considering that Hyderabad is a hub of Pharmaceutical and Chemical industries.

This two-day event witnessed students from different colleges / institutes / universities all across the country participating in different technical events, such as, paper presentations, poster presentations, project expo, technical quiz and MP Chary Memorial presentation. Around 1000 student delegates from across the country participated in SCHEMCON, out of which 250 were oral presentations and 100 were poster presentations. Students made use of this opportunity to showcase their skills and excelled in it.

The conference provided a platform to students, researchers and other academics to share and exchange ideas on various themes concerning Chemical Engineering and allied fields. Such sharing of knowledge helps students to think differently and initiate new research work, thereby plan and mould their careers. The conference was organized with 12 Technical Sessions spanning over two days.

The Inaugural Session was chaired by Dr. Ch. Venkateswarlu, Principal, BVRIT, who commenced proceedings with a welcome note. The patron of the event, Shri K. V. Raju, Chairman, Sri Vishnu Education Society gave an inspirational speech. The Guests of Honour for the event were Shri Shyam Bang, President, IICChE; and Dr. T. Kishen Kumar Reddy, Vice Chancellor, Pandit Deendayal Petroleum University while Shri Krishna Prasad, Chairman and MD, Granules India Ltd., was the Chief Guest.

The proceedings were preceded with a keynote lecture by Dr. K. Krishnaiah, Emeritus Professor, IIT Madras. The Guest Lecture for the day was delivered by Dr. S. Sridhar, Principal Scientist, IICT. Technical Sessions on 12 advanced fields of Chemical Engineering was followed by an exciting cultural night – 'X-Tacy'. The second day of the conference commenced with a Guest Lecture by Dr. V.V. Basava Rao, OUCT, Hyderabad, followed by Technical and Poster Sessions. The second invited talk for the day was given by Dr. Ch. Venkateswarlu, Principal, BVRIT. A technical quiz contest, following the talk, was an added attraction.

The valedictory function was graced by Prof. G.D. Yadav, Vice Chancellor, ICT, Mumbai. Certificates of Merit were awarded to winners from all Technical Sessions.

Sponsors for SCHEMCON included IOCL, Granules India, Vasudha Chemicals, Blast Carboblocks Private

Ltd., Indian Tar Coal, Vani Institutions, Tagore Chemicals, Vishnu Chemicals, Vichow Labs, Nakoda Chemicals, GEPIL, Rakshit Drugs, Rasons Medikits, Anjani Cements, Everest Organics, Deccan Cement, Srini Pharma, Ramcharan Oil Industries, Ortin Labs, HPCL, Mt. Home Industries, KC Engineers, Claire Industries, Hetero Drugs, Aurobindo Pharma, Sri Jaya Labs, OMICS International, Vasath Chemicals, and Sagar Cements.

10.0 Institute's Library

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

11.0 Regional Centre Affairs

The lists of Executive Committee Members for July 2016 – June 2017 as received from the respective Regional Centres are presented below :

Ankleshwar Regional Centre

Chairman : Mr D M Gandhi, **Vice Chairmen** : Mr S I Thakar, Mr Manoj Kamalia, Mr Himanshu Gondalia, Mr A K Jain & Mr A K Jain, **Honorary Regional Secretary** : Mr N B Saraiya, **Honorary Regional Ex Secretary** : Mr Snehal Tralsawala, **Honorary Regional Treasurer**: Mr P B Shah, **Honorary Regional Jt Secretary-Jhagadia** : Mr Sunil Motiramani, **Honorary Regional Jt Secretary-Dahej** : Mr Shantanu Das, **Honorary Regional Jt Secretary-Ankleshwar** : Mr K H Pandit, **Honorary Regional Jt Secretary-Bharuch** : Mr R R Khandpur, **Honorary Regional Jt Secretary-Panoli** : Mr Satyan Pandya, **Members** : Mr Nitin Patel, 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 M I Shamsi, Mr B J Patel, Mr R S Senjalia, Ganesh R Sharma, Mr Dinesh Patel, Mr Shashi Shekhar, Mr Anupam Kansal, Mr Rilesh Mehta & Prof Dr Parimal A Parikh.

Annamalai-Neyveli Regional Centre

Chairman : Prof V Vijayagopal, **Vice-Chairman** : Dr M Karuppaiya, **Honorary Regional Secretary** : Dr P Nagarajan, **Honorary Regional Jt Secretary** : Dr V Saravanan, **Honorary Regional Treasurer** : Dr P Elavarasan, **Ex-Officio** : Prof R Saravanan, **Members** : Dr R Muthuvelayutham, Dr M Rajasimman, Dr C S Rathnasabapathy, Dr P Saravanan, Dr Subhagar, Dr S Ramesh, Dr S Rengadurai.

Bangalore Regional Centre

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 K S Rajanandam, Dr A B Halgeri, Mr K R Ananth, Mr P T Raghuram, Mr S Swaminathan, Mr G Kishore Kumar

Baroda Regional Centre

Chairman : Mr D Chakraborty, **Vice-Chairman** : Mr Nilesh Mangukia, Mr R K Desai, **Honorary Regional Secretary** : Mr Nikhil Tonapi, **Honorary Regional Jt Secretary** : Mr Vipul Mehta, **Honorary Regional Treasurer** : Prof N M Surana, **Members** : Mr Hitesh Shah, Mr Subhajit Sarkar, Dr Nitin Bhate, Mr Brijesh Trivedi, Mr Manish Shah, Nikunj Parekh, Mr Pritesh Chauhan, Manan Joshi, Mr Pradhyumana Rana, Mr Mitesh Mehta, Mehul Patel & Mr Prashant Daggolu.

Bhubaneswar Regional Centre

Chairman : Mr J Rath, **Vice-Chairman** : Dr P C Rath, **Honorary Regional Secretary** : Mr S S Rath, **Honorary Regional Jt Secretary** : Dr Ranjita Swain, **Honorary Regional Treasurer** : Dr M K Ghosh, **Members** : Dr S K Tamotia, Prof G K Roy, Mr J N Mohanty, Dr Pratima Mishra & Dr C R Panda

Calcutta Regional Centre

Chairman : Prof Chiranjib Bhattacharjee, **Vice-Chairman** : Prof Swami Vedajnananda, **Honorary Regional Secretary** : Prof Amalesh Sirkar, **Honorary Regional Jt Secretary** : Prof Asit Mazumder, **Honorary Regional Treasurer** : Mr Abijit Kumar Mitra, **Members** : Prof Priyabrata Sarkar, Mr Sushanta Kr Roy, Mr Abhyuday Mallick, Prof B N Srimani, Prof N K Brahma, Mr Anjan Kr Bhattacharyya, Dr Rajat Chakraborty, Prof Sarajit Basu & Prof Amitava Bandyopadhyay.

Chandigarh Regional Centre

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, Ms Hema Setia & Mr Vivek Gupta.

Chennai Regional Centre

Chairman : Dr N Nagendra Gandhi, **Vice-Chairmen** : Dr G S Venkataratnam, Mr K Sadanand, **Honorary Regional Secretary** : Dr G Baskar, **Honorary Regional Jt Secretary** : Dr R Saravanatamizhan, **Honorary Regional Treasurer** : Mr D Gokul, **Members** : Dr N Balasubramanian, Dr B S Naveen Prasad, Dr V Sivakumar, Mr S Sekar, Dr R Parthiban, Dr S Renganathan, Dr K Tamilarazan, Dr B Bharathiraja

Coimbatore Regional Centre

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 Thirumaraimurugan, Dr V M Sivakumar, Mr S Ramachandran, Mr R Sri Prabu, Mrs Anitha Sri Prabu, Mr G Gnanavel, Prof K Senthilkumar, Dr Muruli Rangarajan & Udhaya Bhaskar Reddy

Doaba Regional Centre

Chairman : Dr Ajay Bansal, **Vice-Chairman** : Dr A K Jana, **Honorary Regional Secretary** : Dr Shailendra Bajpai, **Honorary Regional Jt Secretary** : Dr Sangeeta Garg, **Honorary Regional Treasurer** : Mr Kamoj Kumar, **Members** : Dr Poonam Gera, Dr Renu Gupta, Dr Jatinder Kumar, Dr Neetu Divya, Dr Pamita Awasthi, Dr Vipin Kumar Sohpal, Mr Rajeev Arora, Dr Manoj Kr Jindal & Dr N K Srivastava.

Dehradun Regional Centre

Chairman : Dr S J Chopra, **Vice-Chairman** : Dr Shrihari Honwad, **Honorary Regional Secretary** : Dr I D Mall, **Honorary Regional Jt Secretary** : Dr M Gopinath, **Honorary Regional Treasurer** : Mr S Palit, **Members** : Dr S K Gupta, Dr D N Saraf, Dr S R Das, Dr S K Nanda & Dr P K Das .

Guntur Regional Centre

Chairman : Mr J Murali Mohan, **Vice-Chairman** : Dr V Govardhana Rao, **Honorary Regional Secretary** : Dr M Venkateswara Rao, **Honorary Regional Jt Secretary** : Dr V Madhusudhana Rao, **Honorary Regional Treasurer** : Dr C V Subrahmanyam, **Members** : Dr J Srinivasa Rao, Ms N Sudha Rani, Mr M Raghavaiah, Dr P Venkateswarlu, Mr G Ranga Rao, Dr B N Reddy, Mr Enjumuri Pardhasaradhi.

Guwahati Regional Centre

Chairman : Prof B P Mandal, **Vice-Chairman** : Prof Mihir Kumar Purkait, **Honorary Regional Secretary** : Dr Pankaj Tiwari, **Honorary Regional Jt Secretary** : Dr Subrata K Majumdar, **Honorary Regional Treasurer** : Dr Prakash Kotecha **Members** : Prof Pallab Ghosh, Prof Prabirkumar Saha, Prof V S Moholkar, Dr Mihir K Purkait, Dr Animesh Golder, Tapas K Mandal, Dr Ashok K Dasmahapatra, Dr Amit Kumar, Dr Rajesh Kumar Upadhyay, Dr Vimal Katiyar, Mr P K Dutta, Prof R Choudhury, Dr Bandana Chakraborty, Dr Kabita Chakraborty, Ms Preethi & Mr Randeep Singh.

Haldia Regional Centre

Chairman : Mr A K Ghosh, **Vice-Chairman** : Dr S B Kuila, **Honorary Regional Secretary** : Dr T K Manna, **Honorary Regional Jt Secretary** : Mr S Jana, **Honorary Regional Treasurer**: Dr B Bej, **Members** : Mr A P Gangopadhyay, Mr A K Ghosh, Dr S B Kuila, Dr A K Saha, Dr R Das, Dr R N Jana, Dr S J Sahu, Mr B Mandal, Mr A Sinha & Mr A K Bhattacharyya.

Hyderabad Regional Centre

Chairman : Dr Vijay Kale, **Vice-Chairman** : Prof R Sreedhar Rao, Mr M Ranga Rao, **Honorary Regional Secretary** : Mr M Misra, **Honorary Regional Jt Secretary** : Dr Sanjay Bhardwaj, **Honorary Regional Treasurer** : Dr Srini Naik, **Members** : Smt Sheela, C P Ramulu, E Venkatesham, Mr D M Reddy, Mr M G V Chalapathi Rao, Dr T Balanarsaiah.

Jaipur Regional Centre

Chairman : Prof S P Chaurasia, **Vice-Chairman** : Prof A N Pathak, **Honorary Regional Secretary** : Dr Madhu Agarwal, **Honorary Regional Jt Secretary** : Dr Pankaj Pandey, **Honorary Regional Treasurer** : Dr Rajeev Dohare, **Members** : Mr V K Jain, Dr Sushant Upadhyay, Dr Kailash Singh, Dr Neha Sharma, Dr Manish Sharma, Mr S L Arora & Dr Dipaloy Datta.

Kanpur Regional Centre

Chairman : Dr R K Trivedi, **Vice-Chairman** : Dr Arun Maithani, **Honorary Regional Secretary** : Dr V K Sachan, **Honorary Regional Jt Secretary** : Dr Santosh Kumar, **Honorary Regional Treasurer** : Mr Ashutosh Mishra **Members** : Dr Pramod Kumar, Mr Vishesh

Agarwal, Dr Rajesh Garg, Mr Subhash Sharma, Mr M S Rajput, **Ex-officio** : Dr S K Gupta.

Kharagpur Regional Centre

Chairman : Prof Sirshendu De, **Vice-Chairman** : Prof Sudarsan Neogi, **Honorary Regional Secretary** : Prof Swati Neogi, **Honorary Regional Jt Secretary** : Mr Victor Avishek Chatterjee, **Honorary Regional Treasurer** : Prof Sudipto Chakraborty, **Members** : Prof Debdulal Kar, Prof Gautam Kundu, Prof Arnab Atta, Prof Pavitra Sandilya, Prof Bhim Charan Meikap & Prof Somenath Ganguly.

Kochi Regional Centre

Chairman : Mr Suresh Kumar P K, **Vice-Chairman** : Prof Manoj N, **Honorary Regional Secretary** : Mr Harinath V, **Honorary Regional Jt Secretary** : Mr Siby T P, **Honorary Regional Treasurer** : Mr Venkatesan V, **Members** : Mr Sudarshan Kumar, Mr Syed Imran Ahmed, Mr Immanuel C Thambi, Mr M K Augustine, Mr Tittu Alagu, Mr P V Ayyappan, Mr N Mohan & Mr Chandramohan.

Lote-parasuram Regional Centre

Committee : 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 D Desai, Mr S D Parthe, Mr R B Shinde, Mr P B Patil, Mr Odol Krishnan, Mr V V Ghage & Mr Dhotre.

Lucknow Regional Centre

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

Mumbai Regional Centre

Chairman : Dr M P Jain, **Vice-Chairman** : Dr D Mandal, **Honorary Regional Secretary** : Mr Pratik Bhagat, **Honorary Regional Jt Secretary** : Prof Aparna Tamaskar, **Honorary Regional Treasurer** : Mr Y V Sane, **Members** : Dr Alpana Mahapatra,

Dr Anita Kumari, Dr Sanjeev Katti, Dr T L Prasad, Mr Ravindra Joshi, Dr Parag Gogate, Mr Praveen Kumar Saxena & Mr Shreedhar Chitanvis.

Nadiad Regional Centre

Chairman : Dr M S Rao, **Honorary Regional Secretary** : Dr Vimal Gandhi, **Honorary Regional Treasurer** : Prof G R Patel, **Member** : Prof K M Patel.

Nagpur Regional Centre

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

Northern Regional Centre

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

Pune Regional Centre

Chairman : Mr Pradeep Dhotey, **Honorary Regional Secretary** : Dr Sanjay Kamble, **Honorary Regional Treasurer** : Dr Prafulla L Garge, **Members** : Dr C V Rode, Dr Sanjeev Tambe, Dr Subhash Vaidya, Mr Sanjay Kulkarni, Mr Ukidve, Dr Suyog Taralkar, Dr Manish Patil, Dr C V Kapadnis, Mrs Kanchan Bavankar & Mr Ashish Mohod.

Pondicherry Regional Centre

Chairman : Dr G Srinivasan, **Vice-Chairman** : Mr R Prabakar, **Honorary Regional Secretary** : Dr R Sridar, **Honorary Regional Jt Secretary** : Mr V Jayakumar, **Honorary Regional Treasurer** : Mrs T Pallavhee, **Members** : Mr M Varadharajan, Ms S Usha, Ms K Priya, Mr V Vijayaraj, Mr D M Senthilkumar & Dr S Sundaramoorthy.

Pilani Regional Centre

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

Rourkela Regional Centre

Chairman : Mr F C Sahoo, **Vice-Chairman** : Prof B C Ray, **Honorary Regional Secretary** : Dr Hara Mohan Jena, **Honorary Regional Treasurer** : Dr Santanu Paria, **Ex-officio** : Dr Pradip Chowdhury, **Members** : Mr Siddharth Acharya, Mr K P Mishra, Dr (Mrs) G Sunanda, Mr S C Padhi, Dr Manoj K Mishra.

Trivandrum Regional Centre

Chairman : Mr S Sampath, **Vice-Chairman** : Mr P Sojan, **Honorary Regional Secretary** : Mr P S Sathis Kumar, **Honorary Regional Jt Secretary** : Mr Praveen Kumar Solasa, **Honorary Regional Treasurer** : Mr S Somanathan, **Members** : Dr S K Manu, Mr M Shaneeth, Mr S Venugopal, Prof S Alwan, Mr Abdul Haleem, Mr E S Vivek, Mr G Chandrasekhran, N Saravanan, Mr B Biju, Dr Ajjit Haridas & Dr K B Radhakrishnan.

Vapi Regional Centre

Chairman : Mr Rameshchandra J Prajapati, **Vice-Chairman** : Dr Hiten M Bhatt, **Honorary Regional Secretary** : Mr Uday R Marballi, **Honorary Regional Jt Secretary** : Mr S S Pokale, **Honorary Regional Treasurer** : Mr Maulik J Desai, **Members** : Mr J R Shah, Dr H M Hirpara, Vinod S Kashalikar, Mr Jagdish U Parmar, Mr Arun Kootale, Mr Pravin B Shah & Devidas K Khubchandani, **Ex-Officio** : Mr Hasmmukh K Doshi.

We are unable to publish lists of EC Members from i) Ahmedabad, ii) Damanjodi, iii) Durgapur, iv) Goa, v) Kalpakkam, and vi) Mangalore Regional Centres due to their unavailability.

12.0. Regional Centre Activities not related to R&D

Regional Centres and the Student Chapters under the aegis of the RCs conduct various programmes for skill enhancement, awareness-building, networking, publicity, etc., besides R&D related activities. An account of such activities conducted during July 2016 – June 2017 is presented below.

Regional Centre Activities not related to R&D

Name of Regional Centres	Activities
Ankleshwar	<p>a) Industry Visit :</p> <p>i) To the plant of UPL, Jaghadia. Date: 16.09.2016</p> <p>ii) To the plant of Lupin Limited, Ankleshwar. Date: 16.02.2017 & 30.06.2017</p> <p>iii) To the plant of Reliance Industries Ltd, Dahej. Date: 17.02.2017</p> <p>b) Workshop : On Leadership, Attitudinal Change and Personality Development'. Date: 20.11.2016.</p> <p>c) Quiz Competetion : Online Quiz Competetion for chemical engineers from Ankleshwar, Bharuch, Dahej, Panoli and Jaghadia regions. Date: 29.04.2017.</p> <p>d) Student Chapter Inauguration : At Pacific School of Engineering, Surat . Date: 25.02.2017.</p> <p>e) Student Chapter Activities :</p> <p>Quiz Competition :</p> <p>i) A written contest was organized for three student Chapters, i.e., SVMIT, Bharuch; SNPIT, Baroli; and Pacific School of Engineering, Surat. Date: 17.03.2017.</p> <p>ii) A written contest was organized at SRICT, Valia. First 3 students were awarded. Date: 6.4.17</p> <p>Award presentations :</p> <p>i) To 3 meritorious students of Chemical Engineering at Pacific School of Engineering, Surat . Date:13.4.17.</p> <p>ii) To 3 meritorious students of Chemical Engineering and winners of quiz contest at SVMIT, Bharuch. Date: 15.4.17.</p>
Annamalai-Neyveli	<p>a) Industry Visit : To the plant of Strides Shasun Limited, Cuddalore, organized by Students' Chapter, Annamalai University.. Date: 29.03.17.</p>
Bangalore	<p>Student Chapter Activities :</p> <p>a) Award Presentation : Annual contest for Best Project Award was held at Dayanand Sagar College of Engineering. Date: 10.05.17. 3 Awards, instituted by Bangalore Regional Centre (BRC), i.e., Best Project Award, Best Outgoing Chemical Engineering Student Award, and, Prof. Kuloor Memorial Essay Competition Award, were presented.</p> <p>b) BRC Grant for Student Projects : A scheme has been introduced for grants to be offered to students for projects. During the referred period, eight projects received grant totaling Rs. 40,000/-.</p>
Bhubaneshwar	<p>a) Industry Visit :</p> <p>1) To the plant of Neelachal Ispat Nigam Ltd and Brahmani River Pellet Ltd, Jajpur. Date: 25.02.2017.</p> <p>2) To the plant of IOCLRefinery , Paradeep. Date: 18.03.2017.</p>
Calcutta	<p>a) Plant Visit : To ITC's Tribeni Tissue Factory on 08.04.2017.</p> <p>b) Felicitation : A senior member of CRC, Mr K K Das, who was also Past Chairman & Honorary Regional Secretary, was felicitated with life time achievement Award. Date:17.12.2016.</p>

	<p>c) Calcutta Regional Centre Website : CRC launched its website (www.iiche-crc.org). Date: 12.09.2016.</p> <p>d) Student Chapter activity : CHEMATHLON-2017, an annual event of Inter-Institute extracurricular activities, was organized by Student Chapter of Jadavpur University. Date: 04.03. 2017.</p>
Chandigarh	<p>a) Student Chapter Activities : Interactive Session :</p> <p>i. Department of Chemical Engineering & Technology (DCET), Dr. S. S. Bhatnagar iversity Institute of University of Chemical Engineering & Technology, organized Alumni Interaction Session with Class of 1976. Date: 23.10.2016.</p> <p>ii. On 'Learning is the Passport to the Future, for Tomorrow Belongs to Those Who Prepare for It Today'. Date: 19.11.2016.</p> <p>Industrial Visit : To the plant of Cheema Boilers Ltd. Date: 12.11.2016.</p>
Chennai	<p>a) Student Chapter Activities : Talk : SRM University, Chennai: Date: 17.02.2017. On 'Graduate Studies Opportunities in USA'.</p> <p>Essay Writing Competition : On 'Importance of Chemical Engineering in Day to Day Life' by St. Joseph's College of Engineering, Chennai. Date: 03.10.2016.</p> <p>Texpo : Students' activity programmes under the umbrella event of Technoscape by VIT, Vellore. Date: 28.09.2016.</p> <p>Industry Visit : To the plant of Modern Foods Pvt Ltd, Chennai by St. Joseph's College of Engineering, Chennai. Date: 02.03.2017</p>
Coimbatore	<p>a) Student Chapter Inauguration : At Coimbatore Institute of Technology. Date: 12.07.16</p> <p>b) Student Chapter Activities : Workshop : At Coimbatore Institute of Technology on the following topic: On 'Opportunities for Chemical Engineers in Navy & Defense' by Prof V Anto, Director, Academic Relations, Centre for Career in Uniformed Services. Date:14.02.2017 Science Shout-Quintessence-17 .Date: 16.03.2017.</p>
Dhanbad	<p>a) Inauguration : Dhaband Rgional Centre was inaugurated by IICHe President, Mr. Shyam Bang at an impressive function. Date: 07.11.16.</p> <p>b) Student Chapter Activities : a) Workshop / Symposium : 'Turbulence-17', a tech-fest, was organized by Indian Institute of Technology (ISM), Dhanbad. Date: 28 and 29.01.2017.</p>
Doaba	<p>a) Workshop : On 'Industry Institute Interaction Programme'. Date: 21 and 22.10.16.</p> <p>b) Student Chapter Inauguration : At NIT Hamirpur, Date: 21.10.16</p>

<p>Guntur</p>	<p>a) Student Chapter Activities :</p> <p>Lectures : The following lecture programmes were organized by RVR & JC College of Engineering, Guntur:</p> <ul style="list-style-type: none"> i) On 'Career Opportunities for Chemical Engineers' by Mr Syam Yarasuri, Principal Consultant, Invensys Development Centre India Pvt. Ltd., Hyderabad. Date: 05.12.2016. ii) On Life Skills by Dr P Venugopala Rao, Professor (Retd.), Lake Head University, Canada. Date: 17.02.2017. iii) On 'Global Challenges for Chemical Engineers' by Dr A Sarath Babu, Head & Professor, Department of Chemical Engineering, NIT, Warangal. Date: 17.02.2017. <p>ChECK - 2017 Chemical Engineering contest for knockout-2017 was organized by RVR & JC College of Engineering, Guntur. Date: 17 and 18.02.17.</p> <p>CHEMFLOC-2K17 It was organized by Rajiv Gandhi University of Knowledge Technologies, Nuzvid. Date: 25.03.2017. The following lectures were delivered on the occasion:</p> <ul style="list-style-type: none"> i) On 'Advanced Techniques of Process Control in Chemical Engineering' by Prof M Chidambaram, IIT Madras, Chennai. ii) On 'Opportunities in Chemical Engineering and Importance of Chemical Industry for Sustainable Development' by Prof M Venkateswara Rao, Honorary Regional Secretary, Guntur Regional Centre. <p>Awareness Campaign : Members of Guntur RC, belonging to Bapatla Engineering College, Bapatla organised a campaign on 'Need of Chemical Engineering Education and Growth of Chemical Industry in the Near in December 2016 and February 2017.</p> <p>Industriy Visits : R VR & JC College of Engineering organized the following trips:</p> <ul style="list-style-type: none"> i) To JOCIL Ltd.,Dokiparru, Guntur. Date: 26.07.2016 ii) To Sri Dhanalakshmi Group of Industries (Oil Division), Ganapavaram, Guntur, A.P. Dates: 21.09.2016 and 04.01.2017 iii) To KCP Ltd. (Sugars Division), Vuyyuru, Krishna, A.P. Date: 06.01.2017. iv) To Andhra Sugars Ltd., Tanuku, A.P. Date:10.03.2017.
<p>Haldia</p>	<p>a) Student's Chapter Activity : Haldia Institute of Technology, Haldia organized the following activities.</p> <p>Plant Visit : To Haldia Petrochemicals Ltd, Haldia. Date: 26.10.2016.</p> <p>Essay Competition : On 'Making India a Cashless Economy'. Date: 22.02.2017.</p> <p>Extempore Competition : Date: 24.02.2017.</p> <p>Quiz Contest : On technical as well as general topics. Date: 24.03.2017.</p> <p>b) Publication :</p> <ul style="list-style-type: none"> 1) A Wall Magazine 'Excess Entropy' was published on 26.05.2017.
<p>Hyderabad</p>	<p>a) Industry Visit :</p> <ul style="list-style-type: none"> i) To Nuclear Fuel Complex . Date: 27.08.2016. ii) To International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Hyderabad. Date: 05.01.2017.

	<p>iii) To ARCI, Hyderabad. Date: 07.04.2017.</p> <p>b) Student Chapter Activities :</p> <p>Essay Writing & Quiz Competitions :</p> <p>Ramanathan Memorial Essay Writing Competition, Allam Pandu sponsored Elocution and B.V. Raju Quiz Competition were organized. Date:11.03.2017. Certificate and cash prize were given away to winners.</p>
Jaipur	<p>a) Lectures :</p> <p>Following two lectures were delivered on Birth Anniversary of Acharya P.C. Ray, renowned chemical scientist, entrepreneur and nationalist: Date: 03.08.2016.</p> <p>i) On 'Acharya Prafulla Chandra Ray - A Nationalist Scientist' by Mr Jayant Shashtrabuddhe. ii) On 'Contribution of Chemistry in Eco-sustainability' by Dr Alka Sharma.</p> <p>b) Student Chapter Activities :</p> <p>Student Chapter was inaugurated at MNIT, Jaipur. Date: 12.01.17.</p> <p>On the occasion, Mr Shyam Bang, Immediate Past President, IChE delivered a lecture on 'Contribution of Chemical Engineers to the Economic Development of India: Opportunities and Challenges'.</p> <p>Interactive Session :</p> <p>'An Evening with Seniors' was organized for B.Tech (Chemical Engineering) students at MNIT, Jaipur. Date: 13.04.2017.</p>
Kanpur	<p>a) Student Chapter Activities :</p> <p>Quiz Contests :</p> <p>Chemical Engineering Quiz programmes were organized by University Institute of Engineering & Technology (UIET) CSJM University Kanpur. Dates: 15.09.2016 and 10.02.2017. On the second occasion, the quiz contest was followed by technical presentations.</p> <p>Lecture :</p> <p>On 'Future Challenges and Diversification of Chemical Engineering' by Dr Dhananjai Singh, Asst Prof, Institute of Engineering and Technology, Lucknow. Date: 22.02.2017.</p>
Kochi	<p>a) Lectures :</p> <p>i) The 1st Distinguished Lecture Programme. Topic: 'Living in Tandem with the Environment', delivered by Dr. N.C. Induchoodan, renowned environmentalist and Deputy Conservator of Forests. Date: 26.10.2016.</p> <p>ii) K Unnikrishnan Memorial Lecture on "Rebooting Currency Into E-mode' by Mr Adarsh V K, Senior Manager, Technical, Union Bank of India, author and IT specialist. Date: 14.01.2017.</p> <p>b) Student Chapter Activities :</p> <p>Lectures :</p> <p>i) On 'Bridge the Gap – Understanding the Industry better' by Mr Harinath Viswanathan, Senior Manager, BPCL at Government Engineering College, Trichur. Date: 20.01.2017.</p> <p>ii) On 'Industrial Pollution and Mitigation Techniques' at Cochin College of Engineering and Technology, Velanchery. Date: 22.02.2017.</p> <p>Quiz Competitions :</p> <p>i) Chem-Quiz was held at Government Engineering College Calicut for its students. Date: 13.03.2017.</p> <p>ii) All Kerala Chemical Engineering Quiz was organized by Amal Jyothi College of Engineering, Kochi. Date: 23.02.2017. Students from nine engineering colleges across Kerala participated.</p>

Lote-Parasuram	<p>a) Seminars :</p> <p>i) On 'Aqua'. Date: 28.07.2017.</p> <p>ii) On '4 Rs'. Date: 15.10.2016</p>
Lucknow	<p>Student Chapter Activity :</p> <p>Alchemy-2016, a programme of sports and technical events, was organized at Institute of Engineering & Technology, Lucknow. Date: 04 – 06. 09.2016.</p>
Mangalore	<p>a) Student : Chapter Activities</p> <p>Quiz Competition :</p> <p>Dr P K Karanth Memorial Quiz competition was organized organized by Manipal Institute of Technology. Date: 21.10.2016.</p> <p>Industry Visit :</p> <p>To BASF, Mangalore and Karnataka Milk Federation, Mangalore for students of organized by Manipal Institute of Technology. Date: April 2016.</p>
Mumbai	<p>a) Industry Visit :</p> <p>To Hikal Chemical Industries Ltd. Date: 12.10.2016.</p> <p>b) Competition :</p> <p>MRC organized BlasCarbo-FICCI IndiaChem 2016 poster presentation competition for its under graduate and post graduate Student Members under various Student Chapters. Date: 01 – 03.09.2016.</p> <p>c) OYCE 2017 :</p> <p>13th Outstanding Young Chemical Engineer's Contest was held at Institute of Technology, Mumbai for under graduate and graduates, the latter comprising professionals and Post graduate research students. Date: 25.03.17.</p> <p>d) N R Kamath Chemical Quiz 2017 :</p> <p>It was held at Datta Meghe College, Navi Mumbai.</p> <p>e) Student Chapter Activity :</p> <p>ChEMERGENCE 2016 was organized by Thadomal Shahani Engineering College, Mumbai.</p>
Northern	<p>a) Lecture :</p> <p>An annual lecture programme in collaboration with Lovraj Kumar Memorial Trust on 'Emerging Challenges in Public' by Mr. B K Chaturvedi, IAS (Retired), former Cabinet Secretary, Government of India. Date: 29.11.2016.</p> <p>b) Plant Visit :</p> <p>To Nanglamal Sugar Complex, Meerut. Date: 18.02.2017.</p> <p>c) Student Chapter Activities :</p> <p>A new Student Chapter was inaugurated at Shiv Nadar University. Date: 19.08.2016.</p> <p>i) Shiv Nadar University organized the following programmes:</p> <p>Lectures :</p> <p>a) On 'From Concept to Commercialisation' by Mr. Bipin Vora. Date: 10.03.17.</p> <p>b) On 'Technological Development, Professional Ethics and Modern Life' by Prof A K Gupta. Date: 08.04.2017.</p> <p>Plant Visit :</p> <p>To National Fertilizer Ltd.(NFL), Panipat on 08.04.2017.</p> <p>ii) Deenbandhu Chhotu Ram University of Science and Technology, Murthal organized the following programmes:</p> <p>a) Mindbreakers.Date: 07.10.2016.</p> <p>b) Treasurer Hunts. Date: 13.10.2016.</p>

	<p>c) General Chemical Quiz. Date: 21.03.2017</p> <p>d) Chemcizz Jumbling. Date: 22.03.2017</p> <p>iii) Delhi Technical University organized the following programmes:</p> <p>a) Treasurer Hunt. Date: 08.08.2016</p> <p>b) Orientation for 2nd year students. Date: 07.09.2016</p> <p>c) ION – A Chemistry Card Game. Date: 26.10.2016</p> <p>d) Interactive Session with Seniors. Date: 16.01.2017</p> <p>e) Plant visit to E-Pack Polymers, Greater Noida. Date: 30.01.2017</p> <p>f) Chemcar. Date: 10.02.2017</p> <p>g) Chemfission. Date: 11.02.2017</p> <p>h) Confluence. Date:12.02.2017</p> <p>h) Dart Game. Date: 20.02.2017</p>
Nadiad	<p>Student Chapter Activity :</p> <p>‘COLLISION 2017’</p> <p>A multt-event national programme was organized by DDU, Nadiad.Date: 9 and 10.03.2017. It comprised activities under the titles of Exploren, Chemcoupe, Technotalk, Chem-illusion, Chem-e-Quiz. Students from various colleges and institutes participated.</p>
Nagpur	<p>a) Student Chapter Activities :</p> <p>A new Student Chapter was opened at Priyadarshini Institute of Engineering and Technology, Nagpur.</p> <p>A training programme was also held on software for Chemical Engineering at this Institute.</p>
Pune	<p>a) Talk :</p> <p>On ‘Heartfulness Meditation – Living by the Heart’ by Mr P Seshadri & Mr Shekar Roy. Date: 31.08 - 02.09.2016.</p> <p>b) Student Chapter Activities :</p> <p>i) Student Chapter was inaugurated at D.Y.Patil Institute of Engineering, Management & Research, Akurdi, Pune. Date: 17.02.17</p> <p>ii) National Level Technical Competition for UG and PG Level Chemical Engineering Students was conducted by AISSMS College of Engineering, Pune. Date: 26.03.2017.</p>
Pilani	<p>a) Student Chapter Activityiity :</p> <p>Quiz Contest :</p> <p>‘Hinteria’ was organized by BITS Pilani. Date: 21.03.2017. The contest tested knowledge of basic concepts of Chemistry, Physics, etc.</p>
Rourkela	<p>a) Industry – Academia Interaction :</p> <p>On ‘Being Aware – Career Opportunities Beyond MS, MBA, etc: Startups and Entrepreneurships’. Date:16.03.2017.</p>
Trivandrum	<p>a) Award Giving Function :</p> <p>The annual IChE-CGG Panicker Gold Medal and IChE-Mr Kurup Gold Medal were presented to top rank holder B.Tech students from different engineering colleges. Date: 04.03.2017.</p> <p>It was followed by a talk on ‘Chemical Effects of Common Usage Items – Cause of Life Style Change’ by P.S. Sathis Kumar, Hony. Secretary, Trivandrum Regional Centre.</p> <p>b) Student Chapter Activity :</p> <p>‘COLLOQUIUM – 17’, inter-collegiate technical festival, was organised by Mohandas College of Engineering. Date: April 2017.</p>

Vapi	<p>a) Industry Visits :</p> <p>i) To K V Arochem Pvt Ltd, GIDC. Vapi. Date: 22.10.2016.</p> <p>ii) To Atul Ltd., Caustic Chlorine Plant, Atul. Date: 24.01.2017.</p> <p>iii) To Arihantanam Life Care Pvt Ltd., Sarigam. Date: 22.03.2017</p> <p>b) Workshop :</p> <p>SWOT (Strength, Weakness, Opportunities and Threat) analysis was carried out by Mr. Dhawal Saxena, IICChE Council Member. Date: 26.08.16.</p>
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The lists of Executive Committee Members for July 2017 – June 2018 as received from the respective Regional Centres are presented below:

Ankleshwar Regional Centre :

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

Annamalai-Neyveli Regional Centre

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Baroda Regional Centre

Chairman : Mr D Chakraborty, **Vice-Chairman :** Nilesh

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

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Chandigarh Regional Centre

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Mumbai Regional Centre

Chairman : Mr R G Rajan, **Vice-Chairman** : Dr Aparna Tamaskar, **Honorary Regional Secretary** : Mr V Y Sane, **Honorary Regional Jt Secretary** : Mr Rajesh Jain, **Honorary Regional Treasurer** : Mr Ravindra

Joshi, **Immediate Past Chairman**: Mr M P Jain, **Members**: Mr K Sahasranaman, Mr Praveen Saxena, Dr Anita Kumari, Mr S Chitanvis, Dr T L Prasad, Mr Dhawal Saxena & Dr R Pathak.

Mangalore Regional Centre

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Nagpur Regional Centre

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

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Pune Regional Centre :

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

Rourkela Regional Centre

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

Trivandrum Regional Centre

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

Vapi Regional Centre

Chairman : Mr Rameshchandra N Prajapati, **Vice-Chairman** : Dr Hiten M Bhatt, **Honorary Regional Secretary** : Mr Maulik J Desai, **Honorary Regional Jt Secretary** : Mr S S Pokale, **Honorary Regional Treasurer** : Mr Vijay B Savarkar, **Members** : Mr Vinod S Kashalikar, Mr Arun Kootale; Mr Devidas K

Khubchandani, Dr H M Hirpara, Mr Jagdish U Parmar Mr J R Shah, Mr Hasmukh K Doshi, Dr Jagdishkumar P Tandale, Mr Shashidhar Gosi & Mr Uday R Marballi.

Waltair Regional Centre

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

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

13.0 Acknowledgement

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

Dipak Dutta
Honorary Secretary

Beyond March 2017

As per convention, this Annual Report has covered activities of IChE for the last financial year, i.e., April 2016 – March 2017. However, there have been several important activities and significant developments across the Institute since then. Therefore, we deem it will be appropriate to briefly present the following account of major developments that took place in IChE after March 2017.

- During recent months, IChE has embarked upon an extensive digitisation drive. Following a period of trials, a full-fledged process of online enrolment of corporate membership commenced around May 2017. For trouble-free operation of the new system, the headquarter (HQ) office initiated a vigorous drive to update mobile numbers and E-mail IDs of Members. The system is fully operational at present even as it is still being fine-tuned.

The election process for the Council 2018 was also conducted online successfully.

Currently, the focus is on development of a program for online enrolment of candidates for the AMIChE examination. It will take some more time before the program becomes fully operational.

- IChE has been actively involving itself with Engineering Council of India (ECI) as its Member Association for developing an Internship Programme for technical institutions in the country. The objective is to enhance employability of technical graduates in India. Although it will be a laborious process with many a hurdle, presently the Institute along with a number of other Member Associations are exploring and deliberating on ideas for making the programme effective.
- IChE has evolved an R&D Vision 2030 with a view to gradually working towards a low-carbon sustainable economy and society. Certain core areas have been shortlisted and a corpus of Rs. 5 lakh has been earmarked for offering research grants to eligible candidates. The guideline details for submission of proposals have been uploaded on the IChE website (www.iiche.org.in).
- IChE is currently working on the details of Six Sigma program for imparting industrial training to Graduate Chemical Engineers, thereby enhancing the latter's employment prospects. This endeavour

of IChE constitutes a part of its long-term industry-Institute initiative. Over the last couple of years, the Institute has been pursuing this scheme in order to play an effective catalytic role in sustainable growth of the nation.

- On 7 and 8 July 2017, the IChE HQ successfully organised a high-profile seminar on 'Project Management – Objectives and Challenges' in Kolkata. The two-day event that was attended by top-notch executives of public sector and private enterprises, entrepreneurs, management experts, and senior government officials, witnessed intense and insightful dialogues among the industry experts, management professionals and senior government functionaries.

Indeed, in recent period, along with the HQ, a number of IChE's Regional Centres held seminars and workshops that were highly successful and evoked very positive response from delegates and participants. Such conclaves, which are being planned far more regularly of late, are not merely theoretical exercise but they strengthen practical knowledge base of practising engineers, academic personnel and students.

- At the beginning of 2017, IChE launched a fresh drive to invite leading academic as well as top-notch industry houses to join the Institute as its Life Members. After a concerted effort, this drive has seen positive response during the last few months, particularly from the academic institutes. The Institute has welcomed several elite engineering and technology institutes as well as top bracket industry concerns. A number of IChE Members have also taken personal initiatives to get more Organisations involved with IChE as its Members. IChE is looking forward to expanding its family manifold.

Statement of Accounts

For the Year Ended 31st March, 2017

Indian Institute of Chemical Engineers

AUDITORS REPORT

To
The Secretary
Indian Institute of Chemical Engineers
Kolkata - 700 032

Report on the Financial Statements

1. We have audited the accompanying financial statements of INDIAN INSTITUTE OF CHEMICAL ENGINEERS ('the Institute'), which comprise the Balance sheet as at 31st March, 2017, the statement of Income & Expenditure Account for the year ended on that date and a summary of significant accounting policies and other explanatory information of HEAD QUARTERS and other REGIONAL CENTRES & STUDENT CHAPTERS audited by others. The financial statement has been prepared by management of INDIAN INSTITUTE OF CHEMICAL ENGINEERS and it is maintained in electronic form.

Management's Responsibility for the financial Statements

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

Auditors Responsibility

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

Opinion

4. In our Opinion & to the best of our information and according to explanations given to us, the said financial statements read together with the notes thereon and Statement of Significant Accounting Policies gives the information required by the members in the manner so required & give a true & fair view in conformity with the Accounting Principles generally accepted in India,
 - i) In the case of consolidated Balance Sheet, of the state of affairs of the Institute as at 31st March, 2017; and
 - ii) In the case of Consolidated Income and Expenditure Account, surplus of the Institute as at 31st March 2017.

Contd.....

Emphasis on the Matter

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

5. Suspense accounts amounting to Rs. 23,84,873/- representing the defalcation occurred pertaining to year 1991-92
6. Accumulated Balance of Income Tax deduction at source, aggregating Rs. 94,94,064/- shown as good, the recoverability of which is very much doubtful as the documents for claiming TDS are not available.
7. Institution is currently registered under section 12A of the Income Tax Act, 1961. CBDT has rejected the application for renewal of registration under section 35(1) of the Income Tax Act, 1961 and the matter is still subject matter of dispute under the income tax law, inter alia, there is a demand of Rs. 32,23,096/- raised by the AO, Kolkata for the assessment year 2009-10, against which the institute has preferred an appeal before CIT(A)-XIV.
8. We observed that consolidated financial statements have been prepared in electronic form and such consolidation of different accounts of RCs and Student Chapters have been verified on sample basis.
9. Fixed Assets and Investments, belongs to RCs and Student Chapters have not physically verified by us.
10. We observed in the accounts regarding non submission of Audited Accounts of the Regional Centres as stated in Annexure H, "Notes on Accounts" and we are unable to express our opinion on the effect of non incorporation of said accounts in the Income & Expenditure and on the Balance Sheet of the Institute.
11. Loans and Advances of Rs. 90,11,558/- includes amount with SBI IIT-Powai Branch S/B A/C No. 30159522626 of Rs. 50,24,433/- earlier shown in the audited Balance Sheet as at 31/01/2008 of SEMINAR OF E-WASTE/ COAL GASIFICATION/NDTV-IICHE-MUMBAI remains unchanged and unaltered upto the financial year under audit. We are not in a position to comment on the authenticity and recoverability of the same.

For **N. CHATTERJEE & ASSOCIATES**
Chartered Accountants
Kolkata - 700 001

Date : 25/09/2017

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

**INDIAN INSTITUTE OF CHEMICAL ENGINEERS, KOLKATA - 700 032 (CONSOLIDATED)
BALANCE SHEET AS AT 31.03.2017**

Previous Year as on 31.03.2016	LIABILITIES	(Rs.)	Current Year (Rs) 31.03.2017	Previous Year as on 31.03.2016	ASSETS	(Rs.)	Current Year (Rs) 31.03.2017
	General Fund				Fixed Assets		
109,814,226	Balance as per last account	109,814,226		15,062,500	(As per Annexure-A)		14,530,491
	Add : Excess of income over expenditure	6,254,076			Investments		
	Add : Adj. of previous Year's accounts of various Regional Centre	1,102,421	117,170,723	17,889,949	Award Fund - HO (Annexure-B)	18,814,949	
				35,586,238	Other Funds - HO (Annexure-C)	36,073,229	
				82,753,981	Other Fund - RC (Annexure-D)	90,635,425	145,523,603
	Award Fund				Loans and Advances		
19,290,655	Balance as per last account	19,290,655		9,774,933	Advance for Expenditure		9,011,558
	Add: During this year	1,372,608	20,663,263		Other Receivables		
					Advance Recoverable A/C		
63,104,239	Balance as per last account	63,104,239		502,390	I. Tax (A.Y. 2009-10)	2,959,533	
	Less : During this year (Haldia)	250,000			Accrued Interest on Award Fund - HO (Annexure-E)	277,842	
	Add: During this year	2,552,756	65,406,995	226,757	Accrued Interest on Other Fund - RC (Annexure-F)	1,386,063	4,623,438
					Income Tax TDS		9,494,064
19,300	Suspense A/c		19,300		Suspense Account		2,384,873
1,507,750	Balance as per last account	1,507,750		8,871,664	Balance as per last account		
	Other Liabilities			2,350,555	Cash and Bank Balances		
	Add: During this year	341,178	1,848,928		Cash in Hand	241,272	
31,238	Sundry Creditors- Publication				Cash at Bank (Annexure-G)	23,378,860	
61,645	T&F for bill dt.25.11.2014		61,645				
71,490	Outstanding Liabilities						
	Audit Fees	167,523		140,104			
3,229,317	Provision for Expenses	3,818,546	3,986,069	22,229,253			
197,129,861			209,188,160	197,129,861			209,188,160

Notes on Accounts - Annexure : H
In terms of our separate report of even date

For N CHATTERJEE & ASSOCIATES
Chartered Accountants
FRN : 317106E

Place : Kolkata
Date : 25th September 2017

Sd/-
P De
President
N Chattopadhyay
Proprietor
M. No.053249

Sd/-
Dipak Dutta
Honorary Secretary
S I Thakar
Honorary Treasurer

INDIAN INSTITUTE OF CHEMICAL ENGINEERS, KOLKATA - 700 032 (CONSOLIDATED)
INCOME & EXPENDITURE ACCOUNTS FOR THE YEAR ENDED 31ST MARCH, 2017

EXPENDITURE		INCOME	
SI No.	Amount (Rs.)	SI No.	Amount (Rs.)
1.	<u>General Expenses</u>	1.	<u>Subscriptions and Membership</u>
	Establishment (salary and other payments to staff)		Individual Membership
	Printing & Stationery		Registration Fee
	Postage & Courier		Annual Subscription
	Electricity Charges		
	Telephone	2	<u>Income From Investment</u>
	Maintenance & Repair		Interest on Savings Bank
	Maint. & Repair of Equipment		Interest on Fixed Deposit
	Maint. & Repair of buildings		Interest on other Investment
	Travelling & Conveyance	3	<u>Publication A/C</u>
	Computer Stationery		Subscription and sale of publications
	Computer Software/Website etc.		
	Accounting Charges	4	<u>Seminars, Technical Lectures, Workshops, Exhibitions & Conferences</u>
	Audit Fees		Registration Fee
	Legal Expenses		Grant/Sponsorship/Donation
	Other professional expenses		Advertisement
	E-filing charges		Others
	Bank Charges	5	<u>R & D Projects & Technical Consultancy</u>
	Annual General Meetings/EGM/EC Meetings		
	Miscellaneous Expenses	6	<u>Examination Fees</u>
	Insurance		Annual Get Together
	Membership Subscription	7	<u>Students Chapter Activity</u>
	Rates & Taxes/Service Tax		
	Rent	8	<u>Licence Fee</u>
	Interest on TDS		
	Foundation Day/Pannel Interest/Association Fees	9	<u>Regional Centre Award</u>
		10	
2	<u>Publication A/C</u>		
	Establishment - ICE		
	Printing & Stationery		
	Postage & courier charges		
	Press		
	Online Charges - ICE (T&F)		

INDIAN INSTITUTE OF CHEMICAL ENGINEERS, KOLKATA - 700 032 (CONSOLIDATED)
INCOME & EXPENDITURE ACCOUNTS FOR THE YEAR ENDED 31ST MARCH, 2017

Income & Expenditure Contd.

SI No.	EXPENDITURE	Amount (Rs.)	SI No.	INCOME	Amount (Rs.)
3	Seminars, Technical Lectures, Workshops		11	<u>Other Receipts</u>	
	<u>Exhibitions & Conferences</u>			Chemcon Contribution	0
	Postage & Courier Charges	5517		Misc. Income	374177
	Publicity	345415		Interest received on TDS refund	0
	Printing & Publication	815749			
	Food & Refreshment	2903192			
	Physical arrangement including audio & projection	431947			
	Accommodation of delegates and Speakers	1052756			
	Travelling & Conveyance	765060			
	Stationery	8650			
	Gifts, Mementos & Felicitation	2471516			
	Meeting Expenses	57585			
	Miscellaneous Expenses	449027			
	Cultural Programme	137804			
	Conference & Seminer	1649680			
	Honorarium to Speakers	375103			
4	R&D Projects & Technical Consultancy	791452			
5	Examination Expenses	2994235			
6	Student Chapter Activity	309222			
7	Regional Centre Awards	395482			
8	Plant Visit	70234			
9	Annual Get together	50932			

INDIAN INSTITUTE OF CHEMICAL ENGINEERS, KOLKATA - 700 032 (CONSOLIDATED)
INCOME & EXPENDITURE ACCOUNTS FOR THE YEAR ENDED 31ST MARCH, 2017

Income & Expenditure Contd.

SI No.	EXPENDITURE	Amount (Rs.)	SI No.	INCOME	Amount (Rs.)
10	Depreciation as per Annexure-A				
	Building	374215			
	Furniture	100232			
	Computer	92311			
	Office Equipment	109987			
	Plant & Machinery	53019			
	Library Books	4159			
	Generator	891			
11	Provision for Other Fund	733655			
12	Excess of Income over Expenditure	6254076			
	TOTAL	35436279		TOTAL	35436279

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Notes on Accounts - Annexure : H
 In terms of our separate report of even date

For N CHATTERJEE & ASSOCIATES
 Chartered Accountants
 FRN : 317106E

Place : Kolkata
 Date : 25th September 2017

N Chattopadhyay
 Proprietor
 M. No.053249

**Sd/-
 P De**
 President

**Sd/-
 Dipak Dutta**
 Honorary Secretary

**Sd/-
 S I Thakar**
 Honorary Treasurer

**INDIAN INSTITUTE OF CHEMICAL ENGINEERS
KOLKATA - 700 032**

Notes annexed to and forming part of Accounts for the year ended 31st March, 2017.

1. Accounting Policies :

Significant accounting policies are set out below.

- a) The financial statements are prepared under the historical cost convention generally on accrual basis except Membership Subscription and Contribution from CHEMCON which are accounted for on Cash basis. Accounting Policies not referred to otherwise are consistent with generally accepted accounting principles.

b) Fixed Assets and Depreciation

- i) Building is exclusive of cost of plot of land measuring six cottahs allotted by Jadavpur University to be used on specific terms and conditions.
ii) Fixed Assets are stated at original cost and net value after charging depreciation.
iii) Depreciation is provided at the rate prevailing under Income Tax Act. 1961.

c) Investment and Income from Investment :

- i) a) Investment at cost (Fixed Deposit with banks) are valued at cost
b) Investments out of Donors' fund received specifically for awards
ii) Interest accrued and due on fixed deposit other than Award Fund has been considered as income for the year.
iii) Income from Fixed Deposits out of Donors' Fund for award has been accounted for and utilized as per terms of the donation.
iv) Net surplus of income from investment out of Donors' Fund and cost of award given is accounted for as Award fund.

i. Life Membership Fees/Admission fees for Membership

Life Membership/Admission fees received from different categories of members are directly credited to Life Membership Fund as per consistent practice followed.

ii. Grants Received :

Grants receipt is directly credited to Reserve Fund Account.

iii. Expenses:

Liability for expenses to the extent known upto cut off date and admissible are estimated and accounted for.

iv. Retirement Benefits :

- i) Payment of gratuity to employees is made pursuant to Service Rule of Institute. and are accounted for on Cash basis
ii) Liability for leave salary payable to employees is accounted for on cash basis.
iii) Contribution to PPF / PF is charged to accounts as and when incurred.

2. Notes to Accounts

a) Taxes on Income

- i) Department of Scientific & Industrial Research, Ministry of Science & Technology, Govt. of India, has accorded renewal of recognition upto 31st March, 2017 vide letter no. F. No. 11/57/88-TU-V dated March 27, 2014.
ii) There was a demand of Rs 32,23,096/- raised by the income tax officer (exempt) – 1, Kolkata for the assessment year 2009-2010, against which the institute has preferred an appeal before CIT(A) XIV. The Income tax department has further seized Rs 24,84,390.00 against the foresaid demand of income tax and has been shown as Advance income tax Recoverable under the head Loans and Advance since last year. But the same has been partly adjusted from the contribution made by the Regional Centres as decided by the AGM in 2011 at SMRIT, Bangalore.

Contd.....

- iii) UTI Certificates amounting to Rs.2,25,000.00 have been removed from Pension Fund and added to Suspense Account as it has been lying with the CID Department since 1991-92. The interest received has been accounted for.
- iv) The Audited Statement of Accounts of the following Regional Centres have not been made available to HQ inspite of repeated reminders. The final accounts of the following Regional Centres could not be incorporated into the consolidated Final Accounts :
- a) Ahmedabad, b) Lote-Parasuram, c) Lucknow and d) Pondicherry

d) Suspense Account (Debit Balance)

UTI-CRTS 81 UTI Certificate Nos. 628302897 and 628702513 for 750 units of Rs. 100/- each valued Rs.75,000/- and UTI-CRTS-81-029312567 (600 Units of Rs. 100/- each valued Rs. 60,000/-) and 029312569 (900 units of Rs. 100/- each valued Rs. 90,000/- included in Suspense Account, lying with SBI, Jadavpur University Branch were seized by CID West Bengal as informed by the bank:

i) UTI-CRTS 81 UTI Certificate Nos. 628302897 and 628702513:	Rs. 75000.00
ii) UTI-CRTS-81-029312567 and 029312569	Rs. 150000.00
Subtotal (a) :	<u>Rs. 225000.00</u>

e) Suspense Account (Debit Balance)

Head Quarter

i) Investment (Since 1991-92)	Rs. 1440050.00
ii) Bank Balance SBI, Jadavpur University (Inoperative since 1991-92)	Rs. 445751.77
Subtotal (b) :	<u>Rs. 1885801.77</u>

Publication :

iii) Fixed Deposit receipts deposited with UCO Bank are missing since 1991-92	Rs. 173000.00
iv) Fixed Deposit with United Commercial Bank Jadavpur Branch, matured but reported to be kept as security by The Bank for a loan of Rs. 33,000/-. There being no record of such Loan taken by Institute.	Rs. 45000.00
v) Un-Reconciled amount with UCO Bank, SB A/c since 1990-91 (Bank Certificate not received)	Rs. 18982.91
vi) Book Balance of Cash, Stamp and Bank Transfer from Delhi Office in 1984 but Amount not received at Headquarters.	Rs. 2769.57
Subtotal (c):	<u>Rs. 239752.48</u>

Grand Total: (a+b+c): Rs. 2350554.25

f) Suspense Account (Credit Balance)

i) Publication section outstanding since 1988-89	Rs. 300.00
ii) Head Quarter Amount recovered from Sri S. Ghosh, Office Assistant, not accounted for under proper heads in absence of adequate detail. (Outstanding since 1991-92)	Rs. 19000.00
	<u>Rs. 19300.00</u>

g) Previous year's figures have been regrouped/re-arranged wherever necessary.

For N CHATTERJEE & ASSOCIATES
Chartered Accountants
FRN : 317106E

Place : Kolkata
Date : 25th September 2017

S/d-
N Chattopadhyay
Proprietor
M. No.053249

Sd/-
P De
President

Sd/-
Dipak Dutta
Honorary Secretary

Sd/-
S I Thakar
Honorary Treasurer

**Corporate Members Present at
Sixty-ninth Annual General Meeting, IChE – 2016**

Sl. No.	Name	Membership No.	Sl. No.	Name	Membership No.
1	Badrinarayan K A	LM 22739	35	Prasad T L	LM 09599
2	Balasubramanian N	LM 27085	36	Rajan M	LF 07319
3	Bharathiraja B	LM 41591	37	Rajanandam K S	LM 07327
4	Bang Shyam	LM 07736	38	Rajasimman M	LM 26997
5	Baskar G	LM 31843	39	Ramulu C P	LM 09919
6	Bhattacharya P K	LM 08991	40	Ranga Rao M	LM 09037
7	Brinda Lakshmi A	AM 25611	41	Ratnam G S V	LM 10189
8	Chaurasia S P	LM 08721	42	Rattan V K	LF 04433
9	De P	LM 07449	43	Rao K V	LM 03946
10	Das Radha	LM 10772	44	Rao M S	LM 13568
11	Dharwadkar S V	LM 55001	45	Rao M V	LM 06492
12	Dutta Dipak	LM 06422	46	Rao Y J	LM 03379
13	Dutta Suman	LM 33733	47	Ray Mainak	LM 59549
14	Gokul D	LM 32426	48	Sadanand K	LM 09242
15	Gopalarathnam C D	LF 00801	49	Saravanathamizhan R	LM 28265
16	Gupta S K	LM 19814	50	Saxena Dhawal	LM 43343
17	Jain M P	LM 08262	51	Saxena Praveen	LM 24415
18	Jha M K	LF 09764	52	Sekar S	LM 05789
19	Jaya Priya J	AM 22165	53	Sethuraman G V	LM 07476
20	Karthikeyan C	LM 17257	54	Singh Dhananjay	LM 39413
21	Konda L D N V V	LM 56060	55	Sivakumar V	LM 32000
22	Kumari Anita	LM 13544	56	Sivasubramanian V	LM 29720
23	Kuruppaiya M	LAM 27042	57	Sridhar R	LM 25609
24	Mahapatra Alpana	LM 20164	58	Sriram G	LM 05720
25	Mandal B	LM 21472	59	Srivastava Vinay K	LM 07839
26	Master Jayesh	LM 16882	60	Srivastava V K	LF 09483
27	Mohan D	LM 42800	61	Shareef G A	LM 09110
28	Mohan V	LM 03381	62	Subrahmanyam C V	LM 32020
29	Muralidharan E	LM 18785	63	Suryanarayana A	LM 12049
30	Murthy Ch V R	LF 05809	64	Thakar S I	LM 29117
31	Nagendra Gandhi N	LM 42801	65	Vaidya S H	LM 06400
32	Nandini K	LAM 054312	66	Venugopal T	LM 50821
33	Perarasu V T	LM 33241	67	Vineet Tessy	LM 27538
34	Pokale Shashikant	LM 15602	68	Yadav G D	LF 06738