

Annual Report 2005-06



Indian Institute of Chemical Engineers

List of Council Members for 2005 & 2006

2005	Designation	2006
Prof B K Dutta, Chemical Engineering Department, University of Calcutta, 92 A P C Road, Kolkata-700 009, [R] (033) 2551-1143, binaykdutta@yahoo.com	President	Prof S Venkateshwar, Principal, University College of Technology, Osmania University, Hyderabad – 500 007 [R] (040) 2773-1096/1062, [M] 98496 40986, svenkateshwar@rediffmail.com
Mr D P Misra, Deputy Managing Director, Jacobs H&G Private Limited, Jacobs House, Ramkrishna Mandir Road, Kondivla, Andheri (E), Mumbai – 400 059, [R] (022) 2631-3602, [M] 9820049581, DP.Misra@jacobs.com	Immediate Past President	Prof B K Dutta, Chemical Engineering Department, University of Calcutta, 92 A P C Road, Kolkata- 700009 [R] (033) 2551-1143, binaykdutta@yahoo.com
Prof S Venkateshwar, Principal, University College of Technology, Osmania University, Hyderabad – 500 007 [R] (040) 2773-1096/1062, [M] 98496 40986, svenkateshwar@rediffmail.com	Vice Presidents	Mr G V Sethuraman, Director, Enfab Industries Pvt. Ltd., C-2, Shantiniwas, Mettuguda, Secunderabad – 500 017, Andhra Pradesh [M] 9849028854 enfab@satyam.net.in
Dr V S Gangadhar Rao, Vice President, Velankani Information Systems P Ltd., 43, Electronic City, Hosur Road, Bangalore – 560 100 [M] 98455 00081, vsgrao@hotmail.com, vsgrao@velankani.com		Mr K Sahasranaman, General Manager (Process), Udhe India Ltd., Udhe House, LBS Marg, Vikhroli (W), Mumbai – 400 083, [M] 9820495800, k.sahasranaman@gmail.com
Mr Dipak Dutta, Director, Oster Chemical & Pharmaceutical Works Pvt Ltd., 124/4A Manicktola Street, Kolkata 700 006, [M] 9433161735, osterkem@cal3.vsnl.net.in	Honorary Secretary	Dr Sudip K Das, Chemical Engineering Department, University of Calcutta, 92 A P C Ray Road, Kolkata – 700 009, [R] (033) 2566-7650, sudipcuce@hotmail.com
Mr Kalyan Kumar Basu, Director, Coperion Ideal Pvt. Ltd., Ideal House, A-35, Sector-64, Noida – 201 307, U.P Mobile: 9810260231, kalyan.basu@coperion.com	Honorary Joint Secretary	Mr Tapas Kumar Chakraborty, Estern Petrochemicals Company, SABIC (SHARQ), Process Engineering Department (PED), Process Engineer Ethylene Glycol Plant, Post Box No. 10035, Jubail Industrial City-31961, Kingdom of Saudi Arabia, [M] +966-506517397, tapas_903@yahoo.com
Dr Sudip K Das, Chemical Engineering Department, University of Calcutta, 92 APC Ray Road, Kolkata-700009,[R](033)2566-7650, sudipcuce@hotmail.com	Honorary Treasurer	Dr B R Maity , "Sourav Abasan", EE-203, Sector-II, Flat No. C/N 09, Salt Lake City, Kolkata 700 091, [Mobile] 9830228298, br_maity@yahoo.co.in
Prof S Basu, 268, Jodhpur Park, Kolkata - 700 068, [R] (033) 2473-2281, sarajitbasu@yahoo.co.in	Honorary Editor	Dr Suddhasatwa Basu, Associate Professor, Department of Chemical Engineering, Indian Institute of Technology, Delhi, Hauz Khas, New Delhi - 110 016, [M] 9811503704, drsbasu@gmail.com
Mr K Sahasranaman, General Manager (Process), Udhe India Ltd., Udhe House, LBS Marg, Vikhroli (W), Mumbai – 400 083, [M] 9820495800, k.sahasranaman@gmail.com	Controller of Examinations	Prof V K Rattan, Dept of Chemical Engineering, Panjab University, Chandigarh – 160 014 [M] 9815334198, vkrattanpu@yahoo.com
Prof P V R Iyer, C/o. Mr S Ganesh, 27-7 th West Cross Street, Shenoy Nagar, Chennai – 600 030 [M] 9840338360, pvri8541@hotmail.com	Honorary Registrar	Prof P V R Iyer, C/o. Mr S Ganesh, 27-7 th West Cross Street, Shenoy Nagar, Chennai – 600 030, [M] 9840338360, pvri8541@hotmail.com
Prof K Ethirajulu, Director, School of Engineering & Technology, Bharathidasan University, Palkalaiperur, Tiruchirappalli – 620 024, [Mobile] 94432-58101, kethirajulu@gmail.com	Member	Dr V S Gangadhar Rao, Vice President, Velankani Information Systems P Ltd., 43, Electronic City, Hosur Road, Bangalore – 560 100, [M] 98455 00081, vsgrao@hotmail.com, vsgrao@velankani.com
Dr Suddhasatwa Basu, Associate Professor, Department of Chemical Engineering, Indian Institute of Technology, Delhi, Hauz Khas, New Delhi - 110 016, [M] 9811503704, drsbasu@gmail.com	Member	Mr Kalyan Kumar Basu, Director, Coperion Ideal Pvt. Ltd., Ideal House, A-35, Sector-64, Noida – 201 307, U.P., Mobile: 9810260231, kalyan.basu@coperion.com
Dr T R Das, Dept of Chemical Engineering, Indian Institute of Science, Bangalore – 560 012, [R] (080) 2331-1403, trd@chemeng.iisc.ernet.in	Member	Dr T R Das, Dept of Chemical Engineering, Indian Institute of Science, Bangalore – 560 012, [R] (080) 2331-1403, trd@chemeng.iisc.ernet.in
Mr G V Sethuraman, Director, Enfab Industries Pvt. Ltd., C-2, Shantiniwas, Mettuguda, Secunderabad – 500 017, Andhra Pradesh [M] 9849028854 enfab@satyam.net.in	Member	Dr K Balu, Dean, Dept of Chemical Engineering, A C College of Technology, Anna University, Chennai - 600 025, [R] (044) 2364-1732, kbalu@annauniv.edu
Mr R D Kale, Flat 105, Building A-8, Planet Millennium, Pimple Saudagar, Pune – 411 027, [M] 9890220933, lata.kale@vsnl.net	Member	Mr A K Sahni, Senior Manager – Urea Plant, G N F C, Bharuch 392 002, Gujarat, [M] 9824122436, aksahni@gnfc.in
Professor N Subrahmanyam, E-5 Vrindavan Estate, Pashabhai Park, Nattubhai Circle, Gotri Road, Vadodara 390 007, Gujarat, [M] 9898317199, nsmnyambaroda@yahoo.com	Member	Prof V C Malshe, 1 University Staff Quarters, UICT Campus, Matunga, Mumbai 400 019, [M] 9322593702, vcmalshe@rediffmail.com
Dr R N Trivedi, 001 "Abhilasha", Plot No.5, Sector-12, Vashi, Navi Mumbai - 400 703, [R] (022) 2786-0260, trivedirn@yahoo.com	Member	Prof G K Roy, Department of Chemical Engineering, National Institute of Technology, Rourkela 769 008, Orissa, [M] 9437196680, gk_roy@hotmail.com
Mr Tapas Kumar Chakraborty, N-901, Reliance Colony, Piplod, Dumas Road, Surat – 395 007, Gujarat, [M] 9825964029, tapas_903@yahoo.com	Member	Dr S S Bandyopadhyay, Professor of Cryogenic Engineering & Chairman, Central Library, Separation Science Laboratory, Cryogenic Engineering Centre, Indian Institute of Technology, Kharagpur 721 302, [R] (03222) 278839, chairman@library.iitkgp.ernet.in
Dr R C Dikshit, 24 Gnanodaya Society, Fatehgunj, Vadodara – 390 002, [M] 9426074661, rcd_42@d2visp.com	Member	Mr Smarajit Das, K-467 New Alipur, Kolkata 700 053, [R] (033) 2400-0771
Mr M Rajan, Convener, Website Committee, IICHe & Director, Safety Group, Indira Gandhi Centre for Atomic Research, Kalpakkam 603 102, [M] 9444451788, rajanm@iqcar.ernet.in	Member	Dr Rm Muthiah, Head, Analytical & Spectroscopy Divn., Vikram Sarabhai Space Centre, Trivandrum 695 022, [M] 9447501708, rm_muthiah@vssc.org
Mr M V G Chalapathi Rao, House No. 30-266/9, Plot No.37, Deen Dayal Nagar, R K Puram, Secunderabad 500 056, [M] 98493-66925, chalapathi@iict.res.in	Member	Dr V V Basava Rao, 2-2-3/B/2/A Flat No. 201, Tirumala Nivas, Durgabai Desmukh Colony, Bagh Amberpet, Hyderabad 500 007, [M] 9849056705, drbasavarao@yahoo.com
Prof V C Malshe, 1 University Staff Quarters, UICT Campus, Matunga, Mumbai 400 019, [M] 9322593702, vcmalshe@rediffmail.com	Member	Dr S Ganeshan, 9/169 D Lakshmi Nivas, Dr Ambedkar Road, Dadar, Mumbai 400 014, [M] 9820986067, ganeshan1@vsnl.com
Mr Adarsh Soni, 106-A Sainik Farms, Khanpur, New Delhi 110 062, [R] (011) 26523896, soni_adarsh@yahoo.com	Member	Mr T L Prasad, Room No.310, DEED Complex, BARC, Trombay, Mumbai 400 085, [M] 9324605780, 9869879214, tlp@magnum.barc.ernet.in
Mr K Srivatsan, M/s. Subhasri Pigments Ltd., Plot No.1213, GIDC Industrial Estate, Ankleshwar 393 002, krish_sri1@yahoo.com	Member	Mr Shyam Bang, Executive Director, Jubilant Organosys Ltd., Plot-1A, Sector-16A, Institutional Area, Noida – 201 301, Uttar Pradesh, [M] 9810106660, shyam_bang@jubl.com
	Member	Mr K Venkataramanan, Member of the Board & President (O), Larsen & Toubro Limited, Saki-Vihar Road, Powai (West), Mumbai 400 072, [O] 022-67051244, kv@Intenc.com

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Annual Report for 2005-2006

1.0 Introduction

The report covers the major activities of the Institute during the period 1 April 2005 to 31 March 2006.

1.0 58th Annual Session and CHEMCON 2005

The 58th Annual Session of the Indian Institute of Chemical Engineers and the Indian Chemical Engineering Congress (CHEMCON 2005) was held during 14 – 17 December 2005 at campus of Indian Institute of Technology, Delhi, organized by the Northern Regional Centre, the central theme of this CHEMCON was 'Sustainable Technologies for Efficient Energy Utilization in Process Industries'.

The Congress was inaugurated by the Hon'ble President of India, Dr A P J Abdul Kalam. In his address, Dr Kalam stressed the growing importance of chemical engineers in the traditional fields as well as various emerging areas of engineering and development of industry, education etc. Speaking on the occasion, Dr R A Mashelkar, Chairman of the Organizing Committee, CHEMCON 2005, in his welcome address mentioned about the importance and might of chemical industry in India and internationally. He highlighted the new branches like nano-biotechnology, biotechnology, phytochemical engineering, etc., which are gaining importance in the field chemical engineering.

Award Presentation:

IChE Awards for 2005 were presented on 14 December 2005 following the inaugural function. The list of awards and the awardees is presented in Sections 8 and 9. Mr J P Kapur, a renowned chemical engineer and former President of the Institute, was bestowed the Dr B P Godrej Life Time Achievement Award for his long and distinguished service to the Indian Chemical Industry and IChE.

Memorial Lectures:

The most prestigious event of the congress, **Dr H L Roy Memorial Lecture**, was delivered by Prof Ashok Misra, Director, IIT, Bombay, on 4 december 2006. The topic of his lecture was 'Engineering Polymers in the Service of Mankind'.

Kvaerner Powergas India's Professor N R Kamath Memorial Lecture was delivered by Dr Pradipto Ghosh, Secretary, Ministry of Environment and Forest, Government of India, on 15 December 2006.

C K Murthy Memorial Lecture by Dr R Kalidas, Chairman and Chief Executive, Nuclear Fuel Complex, Hyderabad was read out in his absentia on 15 December 2005.

CDS and Invited Lectures:

A total of 17 Chemcon Distinguished Speaker (CDS) lectures were delivered during the 4-day event. A list of the speakers is provided in Section 8.

Technical Sessions

During the congress, Indian speakers presented a total of 900 papers and international speakers presented about 140 papers. There were in total 68 sessions apart from the plenary sessions. Seven technical sessions and one poster session were run in parallel during all the four days.

More than 1200 delegates participated in the congress, out of which 140 were from abroad drawn from six continents. There were 200 student delegates. A notable feature of the congress was participation of very large number of international speakers. Participation from USA and Australia was the highest amongst the 19 countries represented.

Indo-US joint sessions on nanotechnology and Indo-Singapore joint sessions on chemical engineering education were held during the congress.

1.0 58th Annual General Meeting

The fifty-eighth Annual General Meeting (AGM) of the Institute was held on 15 December 2005 at the Convocation Hall of IIT, Delhi. Prof B K Dutta, President of the Institute, chaired the meeting that was attended by 80 corporate members. Before start of the proceedings, the members stood in silence as a mark of respect to the members who expired during the preceding year.

The minutes of the 57th Annual General Meeting, held on 27 December 2005, were confirmed as proposed by Dr T R Das and seconded by Dr A Bhasker Reddy and Dr Rm Muthiah. The members also noted the minutes of the proceedings of the Extra ordinary General Meeting, held on 11 June 2005 at Hyderabad, and accepted the same as proposed by Prof S K Sharma and seconded by Dr J C Bansal.

Mr Dipak Dutta, Honorary Secretary, read out from the Annual Report of the Institute for 2004-05 and apprised the members about its various activities during the period. Following deliberations by the members, the Annual Report was adopted unanimously as proposed by Mr Sunil Kapadia and seconded by Prof S K Sharma with a few corrections of typographical errors.

Mr Dutta then put forward the salient features of the annual accounts of the Institute for the period 1 April 2004 to 31 March 2005 as circulated among the members. A consolidated annual account was prepared for the period in accordance with the decision taken during the Regional Centre Executives' meeting with the Council Members, held in Kolkata on 12 March 2005, which was approved by the Council in its meeting on 13 March 2005. The consolidated annual account included accounts of the IChE headquarters and 26 out of the 40 Regional Centres. The Kolkata-based chartered accountant firm, B C Kundu & Co., carried out the consolidation work.

The consolidated accounts could not be audited as Kabiraj & Co., Kolkata, the auditor firm appointed in the previous AGM (held on 27 December 2004), declined to audit the consolidated accounts, which according to them was outside their scope of work. The meeting adopted the auditor's statement of accounts for the headquarters as well as the consolidated accounts of IChE for the year 2004-05, as proposed by Prof S K Sharma and seconded by Mr Sunil Kapadia. The Honorary Secretary was authorized to get the consolidated accounts audited and submit it for tax return.

As regards non-receipt of audited accounts from the 14 Regional Centres, members were unanimous about taking firm steps against the defaulting centers as per discussions held at the meeting with the Executives of Regional Centres on 14 December 2005 in New Delhi. It was decided that the Council would depute one Council Member to the defaulting Regional Centres to follow up the matter with members of the respective Centres. It was also decided that the Council would take suitable action to stop any financial transaction by the concerned defaulting Centre. The General Body authorised the Council to take suitable action and settle the issue within 31 March 2006.

The meeting appointed B C Kundu & Co., Chartard Accountants, (Faraday House, P-17, Mission Row Extension, Kolkata 700 013) for auditing and certifying IChE accounts (Headquarters accounts as well as Consolidated accounts).

Mr Dutta announced the names of the newly elected Council Members for 2006.

1.0 Council Meeting Highlights

The Council had the following meetings between 1 April 2005 and 31 March 2006. (The names and contact details of the members of the Council for 2005 and 2006 are given inside the front cover of this booklet).

4.1 3rd meeting for 2005, held in Hyderabad on 11 June 2005

Guidelines for Chemcon

The Council approved the modified Guidelines for Chemcon, applicable from Chemcon 2006. The salient features of the modifications are:

-) The Organizing Secretary shall send a structured report on the progress on preparations of the CHEMCON before every Council Meeting.
-) 50% of the excess of income over expenditure is to be transferred to Headquarters up to an excess income of Rs. 10 lakhs. If the excess of income over expenditure exceeds Rs. 10 lakhs, 10% of such excess income from Rs. 10 lakh to Rs. 20 lakh and 5% on the rest is to be transferred to the Headquarters. The remaining amount should be used for the activities of the Regional Centre including creation of fixed assets
-) A gold plated medal, a gold plated salver and an Honorarium of Rs. 10,000/- should be presented/paid to the Speaker of Kvaerner Powergas India's Prof N R Kamath Memorial Lecture. Actual TA/DA for the Speaker within India (subject to a maximum of Rs. 15,000/-) would be paid within the interest accrued in consultation with the donor. The IChE HQ will meet this expenditure.

CHEMCON 2004

The Council acknowledged the receipt of Rs. 3.00 lakhs by the Headquarters from the surplus of Chemcon 2004. It also noted that donations of Rs. 50,000/- and Rs. 8,301/- had been sent from Chemcon 2004 and the Headquarters respectively to the Prime Minister's Tsunami Relief Fund.

The members of the Council also stressed early action as regards (i) submission of Report of Chemcon 2004 to the Headquarters, (ii) reimbursement of expenditures to the Headquarters, borne by it, on account of postal/courier charges in course of preparation for CHEMCON 2004, and, for 4 of the IChE awards, and, (iii) detailed statement of receipt from donors and payment towards IChE Awards by CHEMCON 2004, to be sent to the Headquarters along with transfer of any unutilized fund for ploughing back into the respective award account.

CHEMCON 2005

Dr S Basu, Member, LOC, CHEMCON 2005, submitted a report on behalf of Prof K D P Nigam, the Organizing Secretary, CHEMCON 2005, on the preparatory activities. The Council requested Dr S Basu, also the Honorary Regional Secretary of the Northern Regional Centre, to see that the Local Organizing Committee of CHEMCON 2005 was constituted without further delay.

Legal

The Council noted that TS No 135 of 2004 in the Court of the Civil Judge (Junior Division), 2nd Court, Howrah (Plaintif: Nitosh Kumar Brahma, Defendant: IChE) had been dismissed for default by Order No. 7 dated 4 May 2005.

Awards

As per the suggestion put forward by Prof S Venkateshwar, the criteria for the Dr K Anji Reddy Innovator of the Year Award were modified by including publications by the nominee in reputed international journals in Chemical Engineering and Biotechnology/Patents of merit as a criterion.

The Council accepted the proposal of Dr Dinesh Shah for institution of Shah-Schulman Award for Best Ph.D. Thesis in Colloid and Surface Science in India. Prof B K Dutta, President, was authorized to finalize the guidelines of the award in consultation with Dr Shah and to take necessary action for implementing the award starting 2005, subject to receipt of funds from the sponsor.

Membership

The Council unanimously elected Mr R Kalidas, Chairman & Chief Executive, Nuclear Fuel Complex, Government of India, as an Honorary Fellow.

The Council decided that different units of a multi-location organization might be considered for admission to Organizational Membership separately, if they so desired. It was also decided to issue a well-designed certificate to each Organizational Member.

The Council considered the proposal of Ahmedabad Regional Centre regarding termination of membership of the members whose payment of subscription are long outstanding and suggested that the names of such members be kept in suspended animation rather than termination.

Recognition by DSIR

The Council was happy to note that DSIR (through letter no. 11/57/88-TU-V dated April 5, 2005) had renewed its recognition of IChE as a SIRO (Scientific and Industrial Research Organization) for the period 1 April 2005 to 31 March 2008.

Examination

The Institution of Engineers (I) informed through a letter (ref. EEA/AD/03 (B) dated 12 April, 2005) from Mr A Das, Assistant Director (EEA) that the Institution had decided not to recognize Associate Membership Examination of Indian Institute of Chemical Engineers (AMIChE) for exempting from Sections A and B of the Institution Examinations. The Council noted the same and decided that appropriate reciprocal action should be taken in such matters in future.

Web Site and Related Activities

The Council went through Mr M Rajan's (Convener, Website Committee) report on the activities regarding web site, including publication of electronic version of the Institute journal, *Indian Chemical Engineer (ICE)*. It was decided that while access to the electronic version to be published in a website would be free, a limited number of hard copies of ICE would be published to meet the requirements of subscribers, and for submission to statutory authorities, record, etc.

Mr K Sahasranaman and Dr R C Dixit proposed to explore the possibilities of getting ICE published through a reputed publishing house. The Council requested them to explore this within a month and give the feed back to the Headquarters. If such an attempt is not successful, the journal will be published on the web.

SCHEMCON

Council accepted the Guidelines of Students' Chemcon as proposed by Prof S Venkateshwar, Convener, Students' Chapter Affairs Committee. The Council accepted the proposal for organizing the first SCHEMCON at IIT Guwahati. The President was authorized to take appropriate action in the matter.

Revival of Guwahati Regional Centre

The Council was happy to note the endeavor of Prof D S De and other members from IIT, Guwahati for revival of the regional centre.

Other Items

The Council noted that a communication had been received from Institution of Engineers (I) requesting to form National Committee of Chemical Engineering for the certification of applicants as professional engineers and also for participation in the exercise of framing syllabus for Assessment Examination in Chemical Engineering. The Council declined to participate in the process initiated by Institution of Engineers (I).

4.2 4th Meeting for 2005, held in Kolkata on 3 September 2005

CHEMCON 2004

The Honorary Secretary informed the members that the audited accounts of CHEMCON 2004 had been received at IChE Headquarters although the report on CHEMCON 2004 was still awaited.

CHEMCON 2005

Dr Suddhasatwa Basu, Honorary Secretary, Northern Regional Centre, reported that Dr A P J Abdul Kalam, Hon'ble President of India, had kindly given his consent to inaugurate CHEMCON 2005. Mr A Soni spoke about the financial aspects for organizing CHEMCON 2005 and informed that UOP, IOCL, ABB, HPCL, BPCL, EIL, KRIBHCO and ONGC had agreed to be eminent sponsors, each contributing Rs. 5.00 lakhs. Other sponsors in the pharmaceutical and fertilizer Industries were also being approached, the members were informed.

CHEMCON 2006

Dr V S Gangadhar Rao informed that CHEMCON 2006 would be held from 27 to 30 December 2006 at Ankleshwar.

CHEMCON 2007

The Council noted that the Calcutta Regional Centre had expressed its willingness to organize Chemcon 2007. Prof N Subrahmanyam opined that 2007 being the Diamond Jubilee year of the Institute, Chemcon 2007 should be appropriately organized and a Commemorative Volume should be printed on the occasion containing the past and present of the Institute and Chemical Engineering Education and Professions in India. Mr D P Misra suggested that attempt should be made to organize CHEMCON 2007 in association with IChemE, UK.

CHEMCON 2008

The Council noted that the Chandigarh Regional Centre had expressed its desire to organize CHEMCON 2008.

Annual Report of the Institute for 2004-2005

The Council decided, considering the Consolidation of Accounts of IChE, that Annual Reports of the IChE Headquarters and the Regional Centres would be combined to be published in one volume. The Annual Reports including the Annual Accounts would be posted in the Institute's website and CD's containing the same might be sent to the members who may be interested to get a copy. Printed copies would be made available to the members present in the Annual General Meeting.

Awards

The Council noted an amount of Rs. 3.15 lakh was received from Dr Sukumar Devotta, Director, NEERI, Nehru Marg, Nagpur, towards the institution of Chemcon-NEERI Distinguished Speaker Award Endowment. The endowment amount would be Rs 3.0 lakh and Rs. 15,000/- was earmarked to meet expenses for 2005. The endowment amount had been kept in fixed deposit, it was noted. The Council decided to present the award from 2005 itself.

Membership

The Council admitted Surya Organics & Chemicals, Ankleshwar, as an Organizational Member of IChE.

It was decided that some kind of membership card would be issued to the student members. It will be decided by the Honorary Secretary in consultation with Prof S Venkateshwar.

Examination

The Council decided that all registered candidates of the Associate Membership Examination would be allowed an extension upto 15 years from the date of initial registration. The Council authorized the Education and Examination Committee to take a decision regarding the time limit for continuing with the old combination of subjects beyond March 2006, as decided earlier.

Web Site and Related Activities

The Council decided that the Institute journal, Indian Chemical Engineer, would be placed on a separate website (to be opened for the purpose) with free access from the July-September 2005 issue on a trial basis. From the October-December 2005 issue, members would no longer receive hard copies of the journal free of cost.

Revised Criteria for Best Regional Centre Award

The Council approved the revised criteria for Best Regional Centre Award proposed by Dr V S G Rao, Vice-President & Convener, Regional Centre Affairs Committee. The revised criteria would be effective from the year 2006.

SCHEMCON

Council noted that the first Students' CHEMCON would be organized at IIT. Guwahati from 7 to 9 December 2005. A contribution of Rs. 25,000/- had been sent to SCHEMCON from Headquarters towards organizing the event. The Council also decided that henceforth Student Awards would be awarded at SCHEMCON.

The Council also approved formation of Student Chapters of IChE at the Departments of Chemical Engineering of the following institutes:

- (i) Indian Institute of Technology, Guwahati, Assam, and
- (ii) Assam Engineering College, Jalukbari, Guwahati, Assam,
- both under Guwahati Regional Centre, and,
- (iii) B V Raju Institute of Technology, Vishnupur, Narsapur, Medak (Dist), Andhra Pradesh under Hyderabad Regional Centre.

Other Items

The Honorary Secretary informed the members about a letter from Institution of Engineers (India) requesting IChE to join the former in formation of the National Committee of Chemical Engineering as IE(India) had left ECI and formed a parallel organization. Council Members were not interested to join IE(India).

4.3 5th Meeting for 2005, held in New Delhi on 13 December 2005

CHEMCON 2005

Members were informed that consent had been received from the President of India to inaugurate CHEMCON 2005 for which about 900 delegates, including 120 from abroad, had registered.

CHEMCON-2006

The Council approved the following personalities as Chairman of NRC/LOC as suggested by Ankleshwar Regional Centre.

1. Prof. M M Sharma, FRS (Retd. Director of UDCT- Bombay) Chairman, NOC
2. Mr. Balwant Singh, IAS (Managing Director of GNFC) Chairman, LOC

CHEMCON 2007

The Council confirmed that CHEMCON 2007 would be organized by the Calcutta Regional Centre. Mr D P Misra and Prof B K Dutta reported the developments regarding the joint session with Institute of Chemical Engineers (IChemE), U.K. during Chemcon-2007. The Council Members desired that formal letter to IChemE should be sent by the Calcutta Regional Centre by the end of the year or so.

SCHEMCON 2005

Prof B K Dutta, President, reported that SCHEMCON 2005 was organized at Guwahati in a befitting manner. About 300 student delegates participated from all over the country, 110 of them were from outside the state.

The members decided to authorize Dr Alope K Ghoshal, Honorary Secretary of the Guwahati Regional Centre, to execute a bond with the Department of Science and Technology (DST), Government of India, in connection with the sanction and release of an amount of Rs. 50,000/- for the SCHEMCON by the DST. Dr Ghoshal was requested to send the Utilization Certificate for the fund in due course as per the procedure laid down by the DST with a copy to the Headquarters in Calcutta.

SCHEMCON-2006

Prof S Venkateshwar reported that St. Joseph College, Chennai had earlier expressed interest to him to organize Schemcon-2006 but later on declined to hold the event. The Student Chapter of JNTU College of Engineering, Anantapur has also shown interest to organize the event and they will be sending the bid form soon.

Annual Report of the Institute

The members were happy to note that the annual report of the Institute had been placed in the website www.ice.org.in. They approved the Annual Report with correction of some typographical errors and the annual accounts of the Headquarter as presented in the Report.

Administrative

The Council noted that Mr. Debabrata Roy has joined the Institute as Assistant Secretary w.e.f. 12.09.2005 and desired that his performance during the probationary period should be evaluated before confirmation. The panel of other candidates selected by the concerned Selection Committee would be automatically cancelled.

Legal

Council noted that the case filed by Mr N K Bramha, related to the procedures for election to the Council of the Institute was dismissed by the court. However Mr Bramha has subsequently applied for the restoration of the case.

Financial

The Honorary Secretary reported the Council about the constraints faced during consolidation of IChE accounts taken up as per the decisions of the Council and EGM. The Council authorized the Secretary to place the consolidated accounts as prepared by B C Kundu & Co, Chartered Accountant, along with their comments before the AGM scheduled on 15 December 2005 for its approval and advice in respect of non-submission of audited accounts by certain Regional Centres.

Examination

The Council approved, in principle, recommendation of the Education and Examination Committee to restructure the syllabus of Associate Membership Examination, which could be introduced from September 2006, subject to finalization of the details of the syllabi, reference books and methodology of change over to the new syllabus. It would have to be prepared by the Education and Examination Committee and approved by the Council well in advance to enable adequate circulation amongst the candidates, it was noted. While drawing the methodology of change over from the present syllabus to the restructured syllabus, candidates should be allowed option during first few years to choose the subjects either from the existing syllabus or the restructured syllabus

The Council also approved revised rates of examination fees with effect from September 2006 examination.

Publication

The Council decided that the members of the Institute, interested to get printed copies of Indian Chemical Engineer, would have to pay Rupees 150/- as annual subscription for each volume.

4.4 1st Meeting for 2006, held in New Delhi on 16 December 2005

Termination and Co-option of Membership

The Council was constrained to terminate the Council Membership of Prof K Ethirajulu and Dr R C Dikshit as they failed to attend at least 50% of the Council Meetings held during the year 2005 (vide clause No.25.13 of the Constitution). The Council co-opted (for the year 2006) Prof K Balu from Southern Zone and Mr A K Sahni from Western Zone in place of Prof K Ethirajulu and Dr R C Dikshit respectively.

Election of the President

The members elected Prof S Venkateshwar as the President of the Institute for the year 2006 on the basis of voting.

Election of two Vice-Presidents

Mr K Sahasranaman and Mr G V Sethuraman were elected uncontested as the Vice-Presidents of the Institute for the year 2006.

Co-option of Members as provided in Rule 24.1 of the Constitution

The Council co-opted the Mr Shyam Bang (North Zone) and Prof B R Maity (East Zone) as Council Members of the Institute for the year 2006:

Election of Other Office Bearers

The Council unanimously elected Dr S K Das as the Honorary Secretary, Mr Tapas K Chakraborty as the Honorary Joint Secretary, Prof B R Maity as the Honorary Treasurer, Prof P V R Iyer as the Honorary Registrar, Dr Suddhasatwa Basu as the Honorary Editor and Prof V K Rattan as the Honorary Controller of Examinations of the Institute for the year 2006.

Other Items

The Council noted that the Student Chapter at the Department of Chemical Engineering, JNTU College of Engineering, Anantapur, had offered to hold the second Students' CHEMCON (SCHEMCON) in 2006 and would submit the bid form for the same. Prof B K Dutta stressed inviting student delegates from abroad for this event and to explore the possibilities of foreign collaboration in this regard.

Prof B K Dutta informed the Council that Prof Dinesh O Shah had pointed out a huge disparity between CHEMCON registration fees, to be paid by the Indian and the overseas delegates respectively. Prof Dutta requested the Council to have a discussion on the issue.

Prof Dutta also suggested all effort would be made to finalize the following tie-ups with professional bodies abroad, during the coming Chemcons. Actions for the same have already been initiated.

Chemcon 2006- Canadian Society of Chemical Engineers
Chemcon 2007- I Chem E, U.K.

4.5 2nd Meeting for 2006, held in Kolkata on 25 February 2005

Co-option of Members to the Council

The Council co-opted Mr K Venkataraman, (Chairman, Mumbai Regional Centre, as well as Member of the Board, whole time Director, and, President-Operations, E&C, Larsen & Toubro Limited) as the Council Member of the Institute for the year 2006. Members also welcomed Mr Shyam Bang, Prof B R Maity and Mr A K Sahni, who were earlier co-opted to the Council for 2006.

Consolidation of IChE Accounts

In accordance with the resolution of the AGM held on 15 December 2005 at IIT, Delhi, regarding non-submission of the annual accounts of the 14 Regional Centres (RCs) for the purpose of consolidation with the IChE HQ, the following Council Members were requested to take up with the specified Regional Centres (RCs):

Regional Centre	Council Member	Regional Centre	Council Member
Annamalai	Prof P V R Iyer	Malwa	Mr K Sahasranaman
Bhavnagar	Mr Tapas K Chakraborty	Raipur Bhillai	Mr G V Sethuraman
Damanjodi	Prof G K Roy	Sindri	Mr Smarajit Das
Goa	Dr V S G Rao	Surat	Mr Tapas K Chakraborty
Guwahati	Prof S S Bandyopadhyay	Varanasi	Mr Kalyan Basu
Jamnagar	None	Veraval	Dr A K Sahni
Lote Parasuram	Dr S Ganeshan	Tuticorin	Dr K Balu

Considering the reports prepared by the IChE HQ in respect of the RCs as well as those submitted by some of the above mentioned Council Members, further actions taken by the concerned RCs, the latest status of their activities and submission of accounts, the Council unanimously decided that:

-) All the abovementioned RCs, except Guwahati Regional Centre and Surat Regional Centre, shall be declared as closed w.e.f 1 April 2006 if they fail to submit their Audited Annual Accounts for the financial year 2004-05 to IChE HQ by 31 March 2006.
-) If both Income and Expenditure of an RC during a financial year is less than Rs 5,000/-, unaudited Annual Accounts submitted by the RC signed by any two out of the Chairman, Honorary Secretary or Honorary Treasurer of the RC shall be accepted by the IChE HQ, subject to approval by the Auditors of the Consolidated Accounts of IChE.
-) The Council shall consider reopening of any of the RCs to be closed down If the members from the region revive the activities in future,
-) The funds of the RCs to be closed shall be transferred to IChE HQ who will keep the same in a separate suspense account. The funds of any RC which revives its activities within a year shall be transferred back to the RC by IChE HQ.

CHEMCON 2005

Dr Suddhasatwa Basu, NRC, reported that the accounts of CHEMCON 2005 was undergoing internal audit and it would be submitted to IChE HQ within the stipulated date after completion of the statutory audit. As regards the submission of a report on CHEMCON 2005 at an early date, the Council advised the Honorary Secretary to write to the Organising Secretary, CHEMCON 2005, and also requested Dr Basu to pursue the matter.

CHEMCON 2006

The Council noted that Chemcon 2006 would be held during December 27-30, 2006 at Ankleshwar. Mr A K Sahni submitted the suggestions of the organizers regarding NOC and LOC, which were approved by the Council.

Prof S Venkateshwar and Mr A K Sahni reported that plans were afoot in collaboration with the Canadian Society of Chemical Engineers (CSCHE) to host an international symposium on energy related topic during CHEMCON 2006.

The Council noted the contents of Dr Dinesh O Shah's e-mail dated 10 February 2006 to Ankleshwar Regional Centre stating about discrimination between foreign delegates and Indian delegates in respect of registration fees for CHEMCON as well as comments of Prof V C Malshe and Dr G K Roy in this regard and approved revised rates of Registration Fees for CHEMCON 2006 as suggested by Mr A K Sahni.

To ensure proper adherence to the Chemcon Guidelines by the organizers of CHEMCON 2006, a Chemcon Protocol Committee for the year 2006 was formed by the Council along with other committees.

CHEMCON 2008

In view of Golden Jubilee Year of Department of Chemical Engineering of Panjab University, the Council decided to award Chemcon 2008 to Chandigarh Regional Centre.

SCHEMCON 2006

The Council considered the Bid Form received from the JNTU College of Engineering, Anantapur for organizing SCHEMCON 2006 and decided that the event be organised by JNTU during 15 and 16 September 2006.

Administrative

The Council considered the performance of Sri D Roy, Assistant Secretary, since his joining the Institute and decided to terminate his service as early as possible.

Chemcon Distinguished Speaker (CDS) Awards

The Council observed that there are insufficient funds in respect of certain awards and decided that these awards would not be presented till such time sufficient funds to cover the expenses for presenting the awards accumulate out of the interest on their endowment.

Membership

As per the standing practice, the Council elected Prof B K Dutta, the immediate Past President, as a Fellow of the Institute.

The Council approved the admission of Textile Rubber & Chemical Company (India) Pvt Ltd, Bhadohi, Uttar Pradesh, as an annual Organizational Member of the Institute.

Application for corporate membership of the Institute require signature of two supporters, one of whom may be the applicant's employer. Applicants for membership (particularly those from abroad or remote places) are approaching the IChE HQ stating that they do not know any member of IChE and cannot obtain the signature of the supporter member. The Council decided that in such cases the applications might be processed after obtaining the employer's certification as supporter, a copy of identity card and a photograph of the applicant.

Financial

The Council noted that of late some of the Regional Centres had opened accounts in the name of 'Indian Institute of Chemical Engineers'. The IChE HQ operates its bank accounts in the same name. The Council, therefore, decided that the Regional Centres should include their respective names in their bank accounts so as to distinguish between the individual Regional Centres and the HQ.

The Council noted that the Northern Regional Centre has requested IChE HQ for refund of the TDS (Income Tax) during the financial years 2003-04 and 2004-05. As the Institute's Income Tax return

was based on the IChE HQ Accounts and IChE NRC Accounts was not included within the I T Return of the Institute up to the financial year 2003-04, it was decided unanimously that refund of these amounts should not be claimed from the I T Authorities. However, similar refunds would be claimed in future within the provisions of the rules.

Examination

The Council decided that those candidates for Associate Membership Examination who had registered up to March 2003 examination would be allowed the option, up to March 2009 examination, to qualify in Parts I and IIA of the examination according to the old combination of subjects (as per syllabus existing before September 2003).

Publication

Dr Suddhasatwa Basu, Honorary Editor, informed the Council about proposals from Anamaya Publishers, New Delhi, for co-publication of ICE in association with them. The Council advised Dr Basu to place the proposals before the Publication Committee for their assessment and put up their recommendations before the Council in its next meeting.

Regional Centre Affairs

The Council endorsed the deliberations of 2nd All India Regional Centres' Executives' Interactive Orientation Session with Council Members of IChE for 2005,

The Council noted that the Trivandrum Regional Centre had changed its name as Thiruvananthapuram Regional Centre in its letterhead although no intimation about the change in name was sent by them earlier. The Council advised that the Regional Centre should apply to the Council if its name had to be changed.

Website of IChE

The Council advised that a suitable Kolkata-based executing agency might be appointed for maintaining the web site of the Institute in place of the present one based at Chennai for better coordination with IChE HQ.

Other Items

The Council constituted the Standing Committees for the year 2006 (details in inside back page).

5.0 Institute's Representatives on Various Bodies

Name of the Body	Principal Nominee/s	Alternate Nominee
Bureau of Indian Standards		
a. Chemical Engineering Plants & Related Equipment Sectional Committee	Mr Kalyan Basu	Prof B K Dutta
b. Chemical Division Council	Prof B K Dutta	Dr P G Rao
c. Basic Chemical Engineering Standards	Prof K D P Nigam	Dr R N Trivedi
d. Process Vessels Sub-committee	Dr P G Rao	Prof B K Guha
e. Heat Generation & Heat Transfer Equipment Sub-committee	Prof K J R Sarma	Dr V K Srivastava
f. Crushing & Grinding Equipment Sub-committee	Prof N Subrahmanyam	
g. Size Separation & Filtration Sub-committee	Mr Sunil Kapadia	Prof S Basu
h. Drying Equipment Sub-committee	Mr Jai Uppal	Dr M K Bhattacharjee

i. Packing & Gasket Sectional Committee	Dr Amalendu Datta	
Asian Pacific Confederation of Chemical Engineering	Prof G J V J Raju	
Engineering Council of India	Mr D P Misra Prof B K Dutta	
World Council of Chemical Engineering	Prof S K Sharma	
Technical Advisory Board – Chemical Science & Technology, CSIR	Prof A K Mitra	

6.0 Membership Position

The number of applications received for membership during the period under review (1 April 2005 to 31 March 2006) was 1768. Of this, 1,756 were approved by the Council.

Membership position as on 31 March 2006 is given below along with the corresponding figures as on 31 March 2005 and 31 March 2004:

	31 March 2006	31 March 2005	31 March 2004
Organisational Member (Life)	49	48	43
Organisational Member (Annual)	52	48	48
Honorary Fellow	117	116	116
Fellow (Life)	99	100	102
Fellow	41	41	41
Member (Life)	3580	3444	3278
Member	1423	1399	1455
Life Associate Member	1192	1033	414
Associate Member	2533	2519	3477
Student Member	3867	2455*	5766

Note: Membership of 4730 students was terminated in February 2005.

The number of corporate members attached to each of the Regional Centres (as on 31 March 2006) was as given below:

Sl. No	Regional Centre	No. of Members
1	Ahmedabad	255
2	Ankleshwar	377
3	Annamalai	96
4	Bangalore	300
5	Baroda	416
6	Bhavnagar	56
7	Bhubaneswar	116
8	Calcutta	991
9	Chandigarh	149
10	Chennai	1012
11	Coimbatore	188
12	Damanjodi	44
13	Doaba	58
14	Guwahati	153
15	Goa	29
16	Hyderabad	1188
17	Jamnagar	40
18	Kalpakkam	115
19	Kanpur	78

20	Kharagpur	80
21	Kochi	503
22	Lote	55
23	Malwa	107
24	Mangalore	132
25	Mumbai	1417
26	Nadiad	194
27	Nagpur	107
28	Northern	705
29	Pondicherry	42
30	Pune	308
31	Raipur	9
32	Rourkela	65
33	Sindri	32
34	Surat	165
35	Trivandrum	243
36	Tuticorin	88
37	Vapi	132
38	Varanasi	58
39	Veraval	136
40	Waltair	612

The following organizations were admitted as organizational members of the Institute upto 31 March 2006:

Permanent Organisational Members – Industry

1	Alkyl Amines Ltd.
2	Artemis Biotech Ltd., Mumbai
3	Asian Paints Ltd., Mumbai
4	Avon Organics Ltd., Hyderabad
5	Deepak Fertilisers & Petrochemicals Corporation Ltd., Pune
6	Development Organization for Sustainable Transformation, Chandigarh
7	Dr Reddy's Laboratories Ltd., Hyderabad
8	Excel Industries Ltd., Mumbai
9	Firechem, Faridabad
10	Golden Chemicals (I) Ltd., Mumbai
11	Gujarat Alkalies & Chemicals Ltd., Baroda
12	Haldor Topsoe International A/S, New Delhi
13	Hercules Speciality Chemicals (India) Pvt. Ltd., Bangalore
14	Herdillia Chemicals Ltd., Mumbai
15	Hetero Drugs Ltd., Hyderabad
16	Hikal Ltd., Taloja, Maharashtra
17	Hindustan Dorr-Oliver Ltd., Mumbai
18	Hindustan Latex Ltd., Thiruvananthapuram
19	Indian Oil Corporation Ltd., Refinery Division, New Delhi
20	Jacobs H&G Pvt. Ltd., Mumbai
21	Kvaerner Powergas India Ltd., Mumbai
22	Labindia Instruments Pvt. Ltd., Thane
23	Lloyd's Register of Shipping, New Delhi
24	Mecon Ltd., Ranchi
25	National Organic Chemicals Industries Ltd., Mumbai
26	Oil and Natural Gas Corporation Ltd., Dehradun
27	Pidilite Industries Ltd., Mumbai
28	RPG Life Sciences Ltd., Mumbai
29	Sartorius India Pvt. Ltd., Bangalore
30	Sud-Chemie Inda Ltd. (United Catalyst India Ltd.), Mumbai
31	Themis Medicare Ltd., Mumbai
32	Toyo Engineering India Ltd., Mumbai

33	TUV Suddeutshland Ltd., Mumbai
34	United Phosphorus Ltd., Ankleshwar, Gujarat
35	Vical Inc., USA

Permanent Organisational Members – Research & Educational Institutes

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

Ordinary Organisational Members – Industry

1	Andhra Sugar Ltd., Tanuku
2	Aventis Pharma Ltd., Bharuch
3	Bharat Aluminium Co. Ktd., Korba
4	Bharat Petroleum Corporation Ltd., Mumbai
5	Bharuch Enviro Infrastructure Ltd., Ankleshwar
6	Birla VXL Ltd., Porbandar (Saurashtra Chemicals Ltd.)
7	Chemfab Alkalies Ltd., Pondicherry
8	Cheminova India Ltd., Bharuch
9	Chemplat Saanmar Ltd., Chennai
10	Coromondal Fertilizers Ltd., Secunderabad
11	DCW Ltd., Dharanghra, Gujarat
12	Deepak Nitrite Ltd., Nandesari Gujarat
13	Diamines & Chemicals Ltd., Baroda
14	Engineers India Ltd., New Delhi
15	Fertilizers and Chemicals Travancore Ltd. (FACT), Udyogmandal
16	Garg Lab Glass Industries, Vapi, Gujarat
17	Gas Authority of India Ltd., New Delhi
18	Gujarat Ambuja Cements Ltd., Kodinar
19	Gujarat Heavy Chemicals Ltd., Veraval
20	Gujarat Insecticides Ltd., Ankleshwar
21	Gujarat Narmada Valley Fertilizers Co. Ltd., Narmadanagar
22	Gujarat Sindhee Cement Ltd., Veraval
23	Gujarat State Fertilizer & Chemicals Ltd., Vadodara
24	Heavy Water Plant, Tuticorin
25	Heubach Colour Pvt. Ltd., Ankleshwar
26	Hindustan Antibiotics Ltd., Pune
27	Hindustan Insecticides Ltd., New Delhi
28	Hindustan Organic Chemicals Ltd., Rasayani, Maharashtra
29	Hindustan Paper Corporation Ltd., Calcutta
30	Indian Petrochemical Corporation Ltd., Baroda
31	Indian Rayon Ltd., Veraval, Gujarat
32	Mafatlal Industries, (Navine Flourine Industries – Chemical Divison, Mumbai
33	Narmada Chematur Petrochemicals Ltd., Varuch
34	Nuchem Ltd., Faridabad
35	Nuclear Fuel Complex, Hyderabad
36	Saurashtra Cement Ltd., Gujarat

37	Sayantana Consultants Pvt. Ltd., Calcutta
38	Search Chem Industries Ltd., Jhagadia
39	Shriram Alkali & Chemicals, Bharuch
40	Shriram Fertilizers & Chemicals, New Delhi
41	Southern Petrochemical Industries Corp. Ltd., Chennai
42	Sun Pharmaceutical, Panoli
43	Surya Organics and Chemicals, Ankleshwar
44	Standard Industries Ltd., Mumbai
45	TCP Ltd., Chennai
46	Tata Chemicals Ltd., Mithapur
47	Trident Alco-Chem Ltd., Ludhiana
48	Vihita Chem Pvt. Ltd., Ankleshwar
49	Zuari Agro Chemicals Ltd., Zuarinagar, Goa
50	Zandu Chemicals Ltd., Ankleshwar

Ordinary Organisational Members – Research & Educational Institutes

1	Dalmia Institute of Scientific & Industrial Research, Rajganpur, Orissa
2	S M Engineering Institute, Kymore

7.0 Associated Membership Examination

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

Year	No. of Candidates
1997	2449
1998	2708
1999	2605
2000	2751
2001	2521
2002	2423
2003	1935
2004	1935
2005	1762

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

Year	Semester	No. Appeared	No. Passed	% of successful candidates
1996	March	17	16	94.1
	September	24	21	87.5
1997	March	26	23	88.5
	September	21	20	95.2
1998	March	24	21	87.5
	September	28	24	85.7
1999	March	23	21	91.3
	September	19	16	84.2
2000	March	43	39	90.6
	September	30	30	100.0
2001	March	54	49	90.7
	September	35	26	74.2
2002	March	46	37	80.4
	September	51	41	80.4
2003	March	41	33	80.4
	September	74	69	93.2
2004	March	29	27	93.1
	September	49	44	89.7
2005	March	41	39	95.1
	September	30	28	93.3

8.0 IICHe Awards 2005

Following is the list of IICHe Awards and their recipients for 2005. The awards were presented at CHEMCON 2005, held during 14 – 17 December 2005 in Delhi, in recognition of eminence and excellence in various sphere of chemical engineering profession.

<ul style="list-style-type: none"> • Dr B P Godrej Life Time Achievement Award for Serving the Profession of Chemical Engineering Technology and Industry 	Mr J P Kapur New Delhi
<ul style="list-style-type: none"> • Lala Shriram National Award for Leadership in Chemical Industry 	Mr P S Bindra Ranbaxy Laboratories Ltd., Punjab
<ul style="list-style-type: none"> • Herdillia Award for Excellence in Basic Research in Chemical Engineering 	Prof Mamata Mukhopadhyay Indian Institute of Technology, Mumbai
<ul style="list-style-type: none"> • Hindustan Lever Biennial Award for the Most Outstanding Chemical Engineer of the year below the age of 45 years 	Prof Jayesh Bellare Indian Institute of Technology, Mumbai
<ul style="list-style-type: none"> • ICI India Ltd. Award for Excellence in Process or Product Development 	Dr C Anand Babu Dr B K Sharma and Mr G Mohankrishnan Indira Gandhi Centre for Atomic Research, Kalpakkam
<ul style="list-style-type: none"> • NOCIL Award for Excellence in Design or Development of Process Plant and Equipment 	Dr Baldev Raj Mr R Natarajan Dr S B Koganti Mr M Venkataraman Mr V Sundararaman and Mr A Ravishankar Indira Gandhi Centre for Atomic Research, Kalpakkam

<ul style="list-style-type: none"> • Amar-Dye-Chem Award for Excellence in Research and Development for Chemical Engineers below the Age of 35 Years as on 31st December 2004 	Dr Tanmay Basak Indian Institute of Technology, Madras
<ul style="list-style-type: none"> • Shah-Schulman Award for Best Ph D Thesis in Colloid and Surface Science in India 	Dr Tridib Kumar Sarma Indian Institute of Technology, Guwahati
<ul style="list-style-type: none"> • Mrs.Chinnamaul Memorial Prize for the Best Technical Paper Presented at the Technical Session of CHEMCON 2004 	Simant R Upreti Farshid Sanjabi Ramdhane Dhib and Manuel A Cuenca Ryerson University, Canada
<ul style="list-style-type: none"> • Kuloor Memorial Prize for the Best Technical Paper published in Indian Chemical Engineer in 2004 	Sumeet Jain and Jayesh Bellare Indian Institute of Technology, Mumbai
<ul style="list-style-type: none"> • Sisir K Mitra Memorial.Prize for the Second Best Technical Paper published in Indian Chemical Engineer in 2004 	B K Chaudhuri Central Pollution Control Board, Delhi T Reimann and H Maerkl Technische Universitat Hamburg-Hamburg, Germany
<ul style="list-style-type: none"> • Dr.K.Anji Reddy Innovator of the Year Award 	Professor J B Joshi University Institute of Chemical Technology, Mumbai
<ul style="list-style-type: none"> • Best Regional Centre Trophy 	Northern Regional Centre (Category A) Ankleshwar Regional Centre (Category B) Mangalore Regional Centre (Category B)
<ul style="list-style-type: none"> • NCL's Prof K Venkataraman CDS Award 	Professor Jong Shik Chung University of Science and Technology, Korea
<ul style="list-style-type: none"> • Chemical Weekly's Padmashri Dr.G.P. Kane CDS Award 	Dr Jacob Masliyah Board of Editors, <i>Journal of Colloidal & Interface Sciences</i> , University of Alberta, Canada
<ul style="list-style-type: none"> • Alkyl Amines Padma Bhushan Prof B D Tilak CDS Award 	Dr Ing Eugeny Kenig University of Dortmund, Germany
<ul style="list-style-type: none"> • Hetero Drugs Prof G S Laddha CDS Award 	Professor Srinivas Palanki University of Michigan and Florida State University, USA
<ul style="list-style-type: none"> • IICT-Avon's Padmashri Dr G S Sidhu CDS Award 	Professor Joel Bertrand ENSIACET, Toulouse
<ul style="list-style-type: none"> • Deepak Group's Padma Bhushan Prof L K Doraiswamy CDS Award 	Professor Brian S Haynes University of Sydney, Australia
<ul style="list-style-type: none"> • Perkin Elmer's Prof. R Kumar CDS Award 	Professor Johannes A Lercher University of Munich, Germany
<ul style="list-style-type: none"> • Betzdearborn Padma Vibhushan Prof C N R Rao Medal and CDS Award 	Dr Sadhan C Jana The University of Akron, USA
<ul style="list-style-type: none"> • RPG Life Science Padma Vibhushan Prof M M Sharma Medal and CDS Award 	Professor John Villadsen Technical University of Denmark, Lyngby, Denmark
<ul style="list-style-type: none"> • Asian Paints Padma Bhushan Dr R A Mashelkar Medal and Distinguished Speakership Award 	Professor Jean-Claude Charpentier Federation of European Chemical Engineers

<ul style="list-style-type: none"> • United Phosphorus Ltd's CDS Award 	Shri Sujit Banerjee Reliance Industries Ltd., Mumbai
<ul style="list-style-type: none"> • Hikal's CDS Award 	Professor S K Gupta Indian Institute of Technology, Kanpur
<ul style="list-style-type: none"> • Sartorius India CDS Award 	Professor Atul Narang University of Florida, USA
<ul style="list-style-type: none"> • CSMCRI CDS Award 	Professor J A M Kuipers University of Twente, The Netherlands
<ul style="list-style-type: none"> • CLRI Padmabhushan Dr Y Nayudamma CDS Award 	Dr Miryan C. Cassanello Universidad de Buenos Aires, Argentina
<ul style="list-style-type: none"> • DOST Professor S K Sharma Medal and CDS Award 	Professor G D Yadav University Institute of Chemical Technology, Mumbai
<ul style="list-style-type: none"> • Chemcon-NEERI Distinguished Speaker Award 	Professor S J Arceivala Former Director, NEERI Mumbai
<ul style="list-style-type: none"> • Dr A V Rama Rao Foundation's Best Ph D Thesis and Research Award in Chemical Engineering Technology 	Dr G Sivalingam GE India Technology Centre, Bangalore Prof Giridhar Madras (Guide) Indian Institute of Science, Bangalore
<ul style="list-style-type: none"> • Chemical Weekly Award for Best Paper published in ICE 	A N Waghode N S Hanspal W R Ruziwa V Nassehi and R J Wakeman Loughborough University, UK
<ul style="list-style-type: none"> • Mr.M.H. Shukla Prize for Best Tech Paper presented in CHEMCON 2004 (2 Prizes) 	C V Rode J M Nadgeri and R V Chaudhuri National Chemical Laboratory, Pune Mariasha Sharma and Kasturi Gadgil Indian Institute of Technology, Delhi
<ul style="list-style-type: none"> • Prof.P.Sen Gupta Award for Best IChE Employee 	Shri B C Das Indian Institute of Chemical Engineers, Kolkata

9.0 IChE Journal

Indian Chemical Engineer (ICE) continues to be the main organ of the Institute. To keep abreast with the Net age and to facilitate the journal's easier accessibility as well as wider publicity, *ICE* has gone on-line since December 2005. A limited number of printed copies is published for the subscribers, interested members, libraries, etc. To keep up with the E-spirit, the editorial policy has undergone certain changes as well, with a view to streamlining the publication process.

10.0 IChE Website

There has always been an endeavour to make the Institute website (www.iiche.org.in) a very dynamic portal with additions and updating at regular intervals so as to best serve the members and the chemical engineering fraternity at large. Recently, various new features have been introduced in the website which offers a host of information and inputs to the members and others interested in IChE. In the long run, it will also enable creating a wider awareness about the Institute's working.

11.0 Research and Development

The following R&D projects of the Institute are now in progress:

- 0) Hydrodynamics of modified bubble column.
- 0) Adsorption and bio-adsorption of phenol.
- 0) Kinetic studies of sedimentation

Five B.Tech students were engaged during their vacations for working in these projects along with the team members. The following papers were presented by the students at SCHEMCON-2006, JNTU, Anantapur:

- i) Comparative studies of natural and synthetic absorbent for adsorption of phenol – A Banerjee, T K Naiya & S K Das.
- ii) Some aspects of the sedimentation characteristics of aquas coal slurry – Tulika Paul, Swati Basu Thakur, U P Ganguly and S K Das.

12.0 Students' Annual Congress (SCHEMCON 2005)

For the last few years, the Institute has been considering the idea of starting a national programme for the students of chemical engineering in line with CHEMCON so as to encourage the chemical engineers of tomorrow to come out with innovative and inventive ideas. The proposal for organizing SCHEMCON was concretized with the first Students' CHEMCON (SCHEMCON) being organized at Guwahati during 7 to 9 December 2005. The newly formed Students Chapters at IIT, Guwahati and the Assam Engineering College jointly hosted the event. The objective was to provide this forum to unearth the vast potential of the students, particularly those from the region, and showcase their abilities

The central topic for SCHEMCON 2005 was 'Challenges and Opportunities for Energy and Environment Management in Industries'. Shri S. Kabilan, Chief Secretary, Government of Assam, was the Chief Guest at SCHEMCON 2005. Other senior academics present at the inaugural function included Prof B. K. Dutta, President of the Institute for 2005; Prof. Gautam Barua, Director, IIT-Guwahati; Prof. P. K. Goswami, Principal, Assam Engineering College; Dr. A. K. Ghoshal, Department of Chemical Engineering, IIT-Guwahati; and Prof. R. Chowdhury, Chairman, Guwahati Regional Centre, IChE. Dr. Sushil K. Verma, Director General of the Central Institute of Plastics Engineering and Technology, Chennai, delivered a lecture on 'Plastics for Environment and Resource Conservation'. Dr. Anil Ghosh, Head, Chemgen Pharma International, Calcutta, spoke about 'Environment Management in Pharmaceutical and Chemical Industries in India - Meeting the Challenges of Tomorrow'.

The first session of SCHEMCON 2005 generated wide interest, drawing a large number of students from different parts of the country. A total of around 320 papers for both oral and poster presentations were received, out of which 95 were selected for publication in the conference proceedings. A total of 9 sessions were held, each being conducted under the guidance of a distinguished personality from the industry or academia. The best papers of each session were awarded.

A lively session of quiz competition was held which attracted bright young minds to compete. The organizers also arranged for an excursion to the Assam Oil's Guwahati refinery at Noonmati for all participating students.

14.0 Highlights of Regional Centre Activities

14.1 Ahmedabad Regional Centre

Committee:

Chairman: Dr A K A Rathi, Vice Chairman: Shri Vipul N Shah, Honorary Regional Secretary: Prof N M Patel, Honorary Regional Jt Secretary : Shri Dharmendra Joshi, Honorary Regional Treasurer: Shri S R Shah/ Prof B H Shah, Members: Shri Ashish Soparkar, Prof R N Shukla, Shri Pranay N Patel, Shri J K Vyas, Miss R N Desai, Shri V S Mehta, Shri Yashpal Singh Ghaman

Activities:

a) Technical Lectures on:

- 1) 'Awareness about Cancer due to Tobacco' by Shri Tiku Talsaniya on 10 August 2005.
- 2) 'Safety in Chemical Industry' by Shri Yashpal Singh, on 3 March 2006.

b) Seminar on:

'Innovations: Life-Line of Chemical Industry' was organized on 25 November 2005. Padma Vibhushan Prof M M Sharma and Dr P K Ghosh, Director, CSMCRI delivered talks.

c) Technical Course:

'CENCE 2005' -- A five-day session on Chemical Engineering for Non-Chemical Engineers, on 8, 14, 21, 28th October and 11 November 2005.

a) Interactive meet on 'Chemical Engineering Education in Changing Business Scenario' on 21 April 2006.

b) A family get-together was organized on January 6 2006 at Secured Landfil Site of Naroda Enviro Projects Ltd, which included a visit to hazardous waste management site, video presentation on environmental management,etc.

14.2 Ankleshwar Regional Centre

Committee:

Chairman: Mr G K Parikh, Vice-Chairmen: Mr Sushilkumar, Mr S C Mittal: Mr U S Ambegaonkar, Mr M A Hania, Honorary Regional Secretary: Mr S I Thaker, Honorary Regional Jt Secretaries: Dr A R Modi (Bharuch), Mr C Babu (Dahej), Mr T Bhaskar (Kosamba),: Mr V V Bhide (Jhagadia), Members: Mr Nitin N Patel, Mr A K Sahni, Mr R T Bhargava, Mr A P Dave, Mr M I Shamsi, Mr R S Senjalia, Mr T A Shah, Mr P K Purohit, Mr V K Nema, Mr B D Dalwadi, Mr P P Dudhe, Mr P J Shah, Mr Tejash Shah, Mr Milin Shah, Mr N M Patel, Mr Sushil Shah, Mr S K Kothari, Mr Navin Kumar, Mr Tapas Saha, Mr B P Kansara, Mr A K Shah, Mr P S Roy, Arun Joshi, Immediate past Chairman : Dr V S G Rao

Activities:

a) Technical Lectures on:

- 1) 'Present Challenges of Indian Chemical Industries and Opportunities' by Dr A K A Rathi, Technical Advisor, Government of Gujarat, on 6 October 2005.
- 0) 'High Performance Packing' by Mr Madhavan, Koch Glitsch. on 25 October 2005.
- 0) 'Plant Design Software (PDS) and other Intergraph's Smart Plant Software Products' by Faculty from Rolta India Ltd. on 3 February 2006.
- 0) 'Dehumidification System' by Mr Lief Karlsson, Regional Manager, Dehumidification Division, Munters, and Altair Industrial Consumables Pvt Ltd., on 21 February 2006.

a) '**Gandhikatha**' was organized during 25 September 2005 to 2 October 2005.

a) **Workshops** on:

- 1) 'ISO 14001' on 30 August 2005.
- 2) 'Cooling Water Conclave' on 8 February 2006.

a) **Technical Course** on 'Unit Operations and Case studies of Productivity Enhancement' on 25 October 2005.

a) **Publication:**

A volume covering the topics of the workshop on 'ISO 1400' was published and distributed amongst the participants.

a) **Round Table with Industry:**

A round table conference was held on 6 October 2005, which CEOs of several major industries of Bharuch district attended. The topic was 'How Best to Use the Opportunities of Development'.

a) **Competitions:**

- 0) State level 'Best Chemical Engineering Student' competition was organised on 25 October 2005.
- 0) District level 'Best Chemical Engineer' competition was organised on 23 November 2005

e) A **family get-together** was organized at Hotel Shalimar, Ankleshwar on 18 June 2006.

14.3 Annamalai Neyveli Regional Centre

Committee:

Chairman : Dr T Viruthagiri, Honorary Regional Secretary: Dr R Dhanasekar.

Activities:

) **Technical Lecturers** on :

- 0) 'Business Excellence through Quality Management' by Mr R Kalaignanam, Alumni, Annamalai University.
- 0) 'Chlorine Based Products and their Useful Role to Society' by Mr R Narasimhan, Alumni, Annamalai University.
- 0) 'Chlorine Utilization in Industry' by Mr S Gopalakrishnan, Alumni, Annamalai University.
- 0) 'Super Critical Fluid Extraction' by Prof K Ethirajulu, Director, School of Engineering and Technology, Bharatidasan University, Trichy.
- 0) 'Scope of Chemical Engineering for the Next Millennium' by Mr P Rajasekaran, Factory Manager, Asian Paints, Cuddalore
- 6)'Making Graduates Industry Ready' by Mr R Ramesh Babu, Chief Executive, SBM Enterprises, Chennai.

) **Seminar:**

INChES 2k6 -- A National Level Technical Symposium for Chemical Engineering Students was held in April 2006.

14.4 Bangalore Regional Centre

Committee:

Chairman: Dr Y Jagannadha Rao, Vice Chairman: Sri K C Lakshminarayana Rao, Honorary Regional Secretary : Dr K S Rajanandam, Honorary Joint Secretary: Sri P T Raghuram, Honorary Regional Treasurer: Sri Vinod Kallur, Members: Sri R Suresh, Sri K R Ananth, Sri P L Muralidhara, Sri Kishore K Gulipilli, Sri G K Mahadeva Raju.

Activities:

a) **Seminar** on 'Piping Design' at M V J College of Engineering on 29 September 2005.

a) **Students' Programme:**

BRC sponsored-Best Project Award function was held at Vivekananda Institute of Technology, Bangalore on 18 May 2006.

14.5 Bhubaneswar Regional Centre

Committee:

Chairman : Dr R K Paramguru, Vice-Chairman: Dr C R Mishra, Honorary Regional Secretary: Shri K K Rao, Honorary Regional Jt Secretary: Shri Sanjiv Bhalla, Honorary Regional Treasurer: Dr C R Panda, Members: Shri P S R Reddy, Dr S K Biswal, Shri J N Mohanty, Dr Swati Mohanty, Dr K C Natharma, Shri A K Sahu

Activities:

-) **Technical Lecture** on 'Challenges and Opportunities for Engineering Profession in the 21st Century with Specific Reference to Chemical Engineering by Prof S C Nayak, President, Institution of Engineers on 23 January 2006.
-) Prof S C Nayak, President, Institution of Engineers, was felicitated on 23 January 2006.

14.6 Calcutta Regional Centre

Committee:

Chairman: Prof P De, Vice-Chairman: Mr P R Dutta Ray, Honorary Regional Secretary: Dr Basab Chaudhuri, Honorary Regional Joint Secretary: Mr Shyamal Kr Ghosh, Honorary Regional Treasurer: Mr M K Ghosh, Members: Prof (Dr) P Sengupta, Dr P K Mukherjee, Prof B N Srimani, Prof B N Chakraborty, Mr H K Sadhukhan, Mr P Mishra

Activities:

-) **Technical Lectures** on:
 - 0) 'Steel Cleanliness in Continuous Casting Tundish by Flow Modeling and Simulation' by Dr Swapan Kr Das, Product Development Manager, Fosecom Metallurgical Inc. Cleveland, USA on 25 June 2005.
 - 0) 'ISO 14001 Environmental Management System' by Dr Debashis Raha, Regulation & Licence Compliance Coordinator Sydney, Australia on 4 July 2005.
-) **Seminar** on 'Drugs and Pharmaceutical Industry: Status and scope of Development in Eastern India' on 24 June 2006.
-) The 116th **birth anniversary of Dr H L Roy**, the Founder President of IChE, was celebrated on 2 November 2005 at IChE auditorium, Kolkata.
-) **Plant Visits** to:
 - 0) Mother Dairy at Dankuni on 13 and 19 August 2005.
 - 0) Tribeni Tissue plant at Tribeni, Hooghky on 25 March 2006.

- e) **Annual get-together** of members was organized at Nalban Boating Complex in Salt Lake, Kolkata on 15 January 2006.
- f) **Quiz contests:**
- 1) Following requests by Rotary Club of Dumdum, Kolkata, CRC conducted a quiz competition on environmental awareness for students of various schools in the area.
 - 2) A quiz contest for the Final Year students of Chemical Engineering of various educational institutes in eastern India was conducted on 28 February 2006.

g) **Student's Programme:**

The Student Chapter at Chemical Engineering Department, Heritage Institute of Technology, organized seminars - one on 'Newer Trends in Chemical Engineering' on 22 July 2005 and the other on 'R & D Initiatives' on 28 February 2006.

14.7 Chandigarh Regional Centre

Committee:

Chairman: Dr J C Bansal, Vice-Chairman : Dr Daljit Singh, Honorary Regional Secretary: Dr V K Rattan, Honorary Regional Jt Secretary: Shri Deepak Mehan, Honorary Regional Treasurer: Dr R C Katyal.

Activities:

- a) Seminar on 'Management System Certification (ISO-9001, ISO-14001 & ISO-18001)' on March 6 2006.
- b) Students' Programme
- 1) 'Quizzine', a mega quiz competition, was organized by the Students' Chapter at the Department of Chemical Engineering & Technology, Panjab University, on 8 and 9 March 2006.
 - 2) Esoterica, organized on 23 March 2006 by Students' Chapter, at the Department of Chemical Engineering & Technology, Panjab. The event included technical paper presentation, quiz contest and debate. Students representing various colleges and universities from across the country participated.

14.8 Chennai Regional Centre

Committee:

Chairman: Mr R Narasimhan, Honorary Regional Secretary: Dr K Balu

Activities:

- a) **Technical Lectures** on:
- 1) 'Application of Chlorine Dioxide in Pulp Bleaching' by Mr Bernie Ford, Asia Development Director, ERCO Worldwide, on 29 September 2005.
 - 2) 'Introduction to Lean Plus and its Applications to Process Industries' by Mr Mike Wader, Lean Plus, 3950, Westchester Dr, Colorado Springs, Colorado, CO 80921, USA on 21 October 2005.
 - 3) 'Fortification of Foods to Alleviate Vitamin and Mineral Deficiencies' by Mr M.G Venkatesh Mannar, President, The Micronutrient Initiative, Ottawa, Ontario, Canada on 2 December 2005.
 - 4) 'LNG Chain' by Dr S Madhavan, Director (Plant Services), Kellogg Brown & Root, Houston, Texas on 12 December 2005.
 - 5) 'The Forest Bio-Refinery' and 'Recent Advances in the Commercialization of Near-Infrared (NIR) Based Analyzers in the Pulping and Recovery Area' by Dr Gopal A Krishnagopalan, Professor, Department of Chemical Engineering, Auburn University, Alabama, USA on 2 January 2006.
 - 6) 'Asahi Kasei Chemicals Corporation' and 'Latest Membrane Electrolyses in Chlor-Alkali Industry' by Mr Jun Imai, General Manager/Process Sales Group Leader, Sales & Marketing Department, Asahi Kasei Chemicals Corporation, Kawasaki-ku, Kawasaki, Japan on 19 January 2006.

- 7) Dr Jaganadhaswamy Memorial Lecture: (Theme: Carbon-dioxide Expanded Liquids; Optimal Media for Intensifying Reactions) by Dr Bala Subramaniam, Dan F. Servey Distinguished Professor of Chemical and Petroleum Engineering, University of Kansas, USA on 7 April 2006.

14.9 Coimbatore Regional Centre

Committee:

Chairman: Prof E Ramasamy, Honorary Regional Secretary: Mr D Prabhakaran, Honorary Regional Treasurer : Mr V M Sivakumar

Activities:

a) Technical Lectures on:

- 0) 'Environment, Health, and, Safety' by Dr G Krishna Prasad, R&D Department, Orchid Chemicals and pharmaceuticals, on 16 September 2005.
- 0) 'Personnel Management' by MrA Pitchiah, Consultant, on 22 and 23 March 2006.

14.10 Damanjodi Regional Centre

Committee:

Chairman: Mr B N Mohanty, Vice-Chairman: Mr S K Patnaik, Honorary Regional Secretary: Mr S K Roy, Honorary Regional Jt Secretary: Mr N Samal.

Activities:

) Technical Lectures on:

- 0) 'Blocking and Condensing design methodology in dynamic matrix control of a Heat Exchanger' by Sri hare Krishna Mohanta, BITS, Pilani, on 23 June 2006.
- 0) 'A novel grinding technology' by Mr B P Mishra, KHD Humboldt Wedag International Ltd, on 29 June 2006.

14.11 Doaba Regional Centre

Committee:

Chairman: Mr M K Jha, Honorary Regional Secretary: Dr Apurba De.

Activities:

a) Technical Lectures on:

- 0) 'Animal Cell Culture' by Mr P K Roychoudhary, Associate Professor, Dept of Biochemica Engineering and Biotechnology, IIT Delhi, on 22 September 2005.
- 0) 'Extractive Bioconversion Process' by Mr P K Roychoudhary, Associate Professor, Department of Biochemical Engineering and Biotechnology, IIT Delhi on 23 September 2005

b) Plant Visits to:

- 0) Jagajit Industries Limited, Hamira on 24 March 2006.
- 0) Indian Institute of Petroleum, Dehradun during 25 - 28 March 2006.

14.12 Guwahati Regional Centre

Committee:

Chairman: Prof R Choudhury, Vice-Chairman: Dr N N Dutta, Honorary Regional Secretary: Dr A K Ghoshal, Honorary Regional Jt Secretary: Dr A Singh and Mr T J Sharma, Honorary Regional Treasurer: Dr P Saha, Members: Prof D S De, Mr A K Baruwa, Mr Ashok Barua, Mr Anup Mishra, Dr K Pakshi Rajan, Mrs Kavita Chakraborty, Mrs Bandana Chakraborty

Activities:

Guwahati Regional Centre was rejuvenated during the year with the reconstitution of the Executive Committee. Two Students' Chapters were also formed at Departments of Chemical Engineering, IIT, Guwahati and the Assam Engineering College respectively. These two Students' Chapters together organized the first Students' CHEMCON (SCHEMCON) at Guwahati during 7 to 9 December 2005, which was a resounding success. (For details of SCHEMCON, please refer to Section 12.0).

4.13 Hyderabad Regional Centre

Committee:

Chairman: Mr A Bhasker Reddy, Vice-Chairmen: Mr P Ramji and Mr C P Ramulu, Honorary Regional Secretary: Mr R Shyam Sunder, Honorary Regional Joint Secretary: Mr M Mishra, Honorary Regional Treasurer: Dr R Sreedhar Rao, Members: Mr M G V Chalapathi Rao, Mr M Ranga Rao, Dr V Ramesh Kumar, Mr P Eshwar Reddy, Mr N L N Reddy, Mr Laxman Suri, Prof S S Sridharan.

Activities:

-) **Technical Lectures** on:
- 0) 'Recent Trends in Sensors' by Prof D S Vishwanadam, Emeritus Professor, University of Missouri, USA on 24 November 2005.
 - 0) 'Nano-technology' by Dr R S Prakassam, Scientist, IICT, Hyderabad on 30 November 2005.
 - 0) 'Values as Foundation for Success' by Sri Venkat Chengavalli, Chief Executive Officer, EMRI, Hyderabad, on 23 December 2005.
 - 0) 'Role of Chemical Engineers in Bio-pharmaceutical Industries' by Ms Sandadi Sandeepa, Asso Engineer, Biotech Dev at Schering-plough Research Institute, USA on 23 January 2006.
 - 0) 'Scope of Ozonation in Water Treatment for value added products' by Prof Srikanth Jonnalagadda, University of Kwazulu-Natal, Durban, South Africa, on 17 February 2006.
- b) **Round Table with Industry:**
A roundtable conference was held with representative from 14 organizations on 2 June 2005 on the agenda 'various means and ways to develop an interaction between industries and institutions'. OUCT, Enfab, IDPL, BASE, IICT, NFC, CBIT, SRTIST, NILE and Sri Lakshmi Chemicals, RK Industries, VIACPL, Balaji Solvents and IDA Bollaram Industrial Association participated.
- c) **Industrial Visits** to:
- 0) Vadlamani Intermediaries and Chemicals Pvt Ltd.
 - 0) Balaji Solvent.
 - 0) Quality Technologies Pvt Ltd.
 - 0) Enfab Industries Pvt Ltd.
 - 0) BASE Industries Pvt Ltd.
 - 0) Vega Process Equipment Pvt. Ltd. were arranged on 16 March and 2 June 2006.
- d) **Get-together and Felicitations:**
- 0) A get-together was organized at Spice Court, the Banquet Hall, Hyderabad on 23 September 2005.
 - 0) Prof S Venkateshwar, Shri G V Sethuraman and Dr V V Basava Rao were felicitated in a get-together following their election as to the IICHe Council as President, Vice-President, and Council Member, respectively on 23 February 2006.
 - 0) A get-together along with felicitation on the occasion of superannuation of Mr S M Rao, past Chairman, Hyderabad Regional Centre, and, Deputy Chief Executive, NFC, was held on 31 May 2006.
- e) **Students' Programme:**
- 1) ICHESCON-2006 was organized by the Student Chapter, NIT, Warangal on 20 and 21 January 2006. Participated by 170 students, the event included presentation of 75 papers and a number of lectures by industry stalwarts, academics and students followed by

interactive sessions. Mr G V Sethuraman, Vice President, IChE, delivered a lecture on 'Chemical Engineering – problems and challenge'.

- 1) FUSION 2005, a national level students' seminar, was conducted in September 2005 by the Students' Chapter at JNTU, Hyderabad. Attended by 200 participants, the events included two guest lectures (Status of Engineering Education by Dr M Chidambaram, Director, NIT, Tiruchirapalli and Modern Separation Techniques: Orientation and purification by Mr R L K Agnihotri, Technical Manager, Safety, Sartorius India Pvt Ltd, Bangalore) and presentation of papers in 9 technical sessions.
- 1) Industrial visits to Sapthagiri Camphor and Rayalseema Alkalis were organized for 3rd year students of JNTU on 5 January 2006 and 16 March 2006, respectively.
- 1) Industrial visits were organized by the Students' Chapter at B V Raju Institute of Technology, for its 1st year students to Ganapathi Sugars Ltd., Sangareddy ; and 2nd year students to Restile Ceramics Ltd., Doultabad respectively.

14.14 Kharagpur Regional Centre

Committee:

Chairman: Prof D Bhattacharya, Honorary Regional Secretary: Prof D D Kar, Honorary Regional Treasurer: Prof N C Pradhan

Activities:

a) Technical Lectures on:

- 0) 'Nano Materials in Solid State' by Prof P Paramanik, Department of Chemistry, IIT, Kharagpur on 14 and 15 September 2005.
- 0) 'Green Chemistry' by Dr S Sikdar, Director, USEPA, USA, on 1 February 2006.
- 0) 'Bio-materials for Tissues' by Dr A Dutta, Biomerix, USA, on 30 March 2006.

b) Quiz Competition:

An inter-collegiate quiz competition was held along with Cheminsight-2006 on 11 February 2006 which was attended by students from various colleges across India.

c) Get-togethers:

Get togethers for members were arranged on 28 August 2005 and 29 January 2006.

14.15 Kanpur Regional Centre

Committee:

Chairman: Prof A B L Agrawal, Vice Chairman: Prof P K Bhattacharya, Honorary Regional Secretary: Mr Umesh Chandra Sharma, Honorary Regional Joint Secretary: Dr Pramod Kumar, Honorary Regional Treasurer: Mr R K Yadav, Members: Prof J P Gupta, Dr Deepak Srivastava, Dr O P Rama, Dr Ashutosh Sharma, Mr Balkrishna, Mr Arun Kumar Gupta, Mr Vinay Kumar Sachan.

Activities:

a) Technical Lectures on:

- 0) 'Trends and Prospects in Area of Industrial Biotechnology' by Dr B S Katiyar, HBTI, Kanpur on 13 September 2005.
- 0) 'Eco-friendly Paints' by Dr Pramod Kumar, HBTI, Kanpur on 16 September 2006.
- 0) 'Role of Chemical Engineers in Food Industries' by Mr V K Sachan, IET, Kanpur on 26 September 2005.

b) Students' Programme:

The KRC co-sponsored Interface –2005 at HBTI, Kanpur on 29 April 2005.

14.16 Kochi Regional Centre

Committee:

Chairman: Mr A Asokan, Vice-Chairman: Mr KM Ramesh, Mr K K Joseph, Honorary Regional Secretary: Mr Vinod Menon, Honorary Regional Joint Secretary: Mr C V Rajkumar, Honorary Regional Treasurer: Mr G Ganesh, Members: Mr L N Maharana, Dr G Madhu, Mr V Jacob Chako, Mr K B Biju, Mr S Sudarshankumar, Mr V Venkatesan, Mr A Aliyammu, Mr K P Prabhakaran (co-opted), Mr K V Raman (co-opted), Dr K V Narayanan (co-opted), Mr D Kulandai Raj (special invitee), Mr I V Subramanian (special invitee), Mr P V Antony (special invitee)

Activities:

-) **Technical Lectures** on 'Bio Remediation and Its Applications – Treat Mining Impacted Waters' by Mr Sriram Ananthanarayan, Research Scholar in USA, on 11 April 2006.
-) Meet the **Manufacturer Programme** - The Mumbai-based Hamon Thermopack presented papers on 'Newer Developments in Cooling Towers' on 13 January 2006 with special emphasis on their products.
-) **Students Programme:**
 - 1) The Regional Centre co-sponsored Genesis, an inter-collegiate festival, conducted by the Chemical Engineering Department, Government Engineering College, Trichur on 9 March 2006.
 - 2) A Students' Chapter was inaugurated at Government Engineering College, Kozikode on 27 March 2006. A lecture on Chemical Engineering Practice was delivered on the occasion by Mr Ganesh G., Honorary Treasurer, KRC.

14.17 Mangalore Regional Centre

Committee:

Chairman: Mr K L Acharya, Vice-chairman: Mr B N Reddy, Honorary Regional Secretary: Mr G S Nagendran, Honorary Regional Jt. Secretary: Mrs Vidya Shetty, Honorary Regional Treasurer: Mr Harish Kumar, Members: Dr M B Saidutta, Dr P S Murthy, Dr D V R Murthy, Mr S Sivasankaran, Mr K Balakrishna Prabhu and Mr K Balakrishna

Activities:

a) **Technical Lectures** on:

- 0) 'CW treatment in Chemical Industries' by Mr K Balakrishna, MCF Ltd., Mangalore on 12 January 2005.
- 0) 'Safety in Chemical Industries' by Dr G Sriniketan, National Institute of Technology, Surathkal on 20 November 2005.

b) **Plant Visits** to:

- 0) KMF Dairy, Mangalore on 26 October 2005.
- 0) MCF Ltd, Mangalore on 26 December 2005.

14.18 Mumbai Regional Centre

Committee:

Chairman: Mr K Venkatramanan, Vice-Chairman: Mr K Sahasranaman, Honorary Regional Secretary: Mr V Y Sane, Honorary Regional Joint Secretary: Dr S M Mahajani, Honorary Regional Treasurer: Prof R K Malik, Members: Mr A K Adak, Dr S Ganeshan, Mr M P Jain, Mr P K Kannan, Prof V C Malshe, Mr S B More, Mr A S Sankholkar, Mr P K Saxena, Dr Shrihari H, Mr V K Srivastava, Dr R N Trivedi

Activities:

a) **Technical Lectures** on:

- 0) 'Innovation in a 21st Century Chemical Company' by Prof George Stephanopoulos, A.D. Little Professor of Chemical Engineering, Massachusetts Institute of Technology, USA on 2 November 2005.
- 0) 'Interfacial Fluid Mechanics: Past, Present and Future' by Prof George Homsy of UC, Santa Barbara, USA on 3 January 2006.

- 0) 'How to Use Patents in Your Business' by Mr Raj Sardesai, Consultant, USA on 4 January 2006.
 - 0) 'Using a Hierarchical Model of Cognition to Enhance Engineering Education' by Prof Douglas Hirt, Clemenson University, USA on 30.01.2006.
 - 0) 'Stakeholder Response to Enviromental Issues' by Dr Raghavan Ramanan, Fullbright Fellow, USA, on 20 February 2006.
 - 0) 'Morphology Evolution of Organic Crystals During Solution Mediated Polymorphism' by Prof Michael Doherty of University of California, USA on 31 March 2006.
 - 0) 'A Product Focussed Approach to Chemical Engineering: Learning from the Experiences of Food Business' by Prof K Niranjana of School of Food Sciences, University of Reading, UK on 13 April 2006.
 - 0) 'Domino Reactions and their Role in Green Chemistry: Some Examples of Combined C-C and C-H Bond Formation' by Prof Yoel Sasson, Casali Institute of Applied Chemistry, The Hebrew University of Jerusalem, Israel on 19 April 2006.
- a) 2nd Dhirubhai Ambani Memorial Lecture on 'Plastics – the Material of the Millennium' by Dr N Sivaram, Director, NCL, on 28 December 2005.
- a) An one day international event, 'Advances on Chemical Engineering', in honour of Prof P G Pangarkar, retiring HOD of Chemical Engineering, UICT, Mumbai.
- a) Dr R B Roy Choudhary Memorial Lecture on 'India - Global Hub for Engineering Services' by Dr Rama Iyer, Executive Chairman, Aker Kvaerner Powergas India, on 29 January 2006.
- a) 1st H Holck Larsen Memorial Lecture on 'Challenges to the Indian Energy Industry and to Indian Supply of Heavy Equipment for the Energy Related Indian Process Industry' by Dr Haldor Topsoe on 7 February 2006.
- a) Seminar: A two-day seminar on 'Nano-technology : Perspectives and Prospects' was held in Mumbai in May 2006 jointly with the Baroda Regional Centre and in association with TIFR, ISCAQ.
- a) Plant Visit to Gharda Chemicals, Lote (near Chiplun town) on 24 and 25 June 2006. Interaction with members of Lote Parsuram Regional Centre was on the agenda during the visit.
- a) **Students Programmes:**
- 0) Students' Chapters were opened at MGM College on 18 August 2005 and Datta Meghe Engineering College, Airoli on 4 October 2005.
 - 0) Prodigy 2006 was organized by Students' Chapter, UICT, Mumbai during 18-20 January 2006.
 - 0) A symposium, Rangotsav, was jointly organized by Students of Paints Technology Division of UICT and the Mumbai Regional Centre on 12 October 2005.
 - 0) Synthesis 2006 was organized by the Students' Chapter at D J Sanghvi College of Engineering, in March 2006 wherein the students formed an 'Energy Club' to generate interest in the field of alternate of energy sources.
 - 0) Visits were organized to:
 - a) Glass Factory of L&T at Nashik for students of UICT, Plastics/Paints Department;
 - i) Larsen & Toubro, Powai works for Chemical Engineering Students of MGM College of Engineering and Technology, Panvel;
 - i) BPCL factory for students by Navi Mumbai Chemical Engineering College in October 2006; and,
 - i) Vapi, Gujarat in March 2006 for members of Students' Chapter, Thadomal Shahani Engineering College.
-) Outstanding Young Chemical Engineer contest (OYCE-05) was conducted in December 2005.
-) ChEQ, an annual inter-collegiate Chemical Engineering Quiz, for Colleges in and around Mumbai has been introduced with a rolling trophy in memory of the eminent Chemical Engineer, the late Prof N R Kamath.

14.19 Nagpur Regional Centre

Committee:

Chairman: Dr S Devotta, Vice-chairman: Mr J Mohite, Honorary Regional Secretary: Dr G K Ghosal, Honorary Regional Jt. Secretary : Dr Y C Bhattacharyulu, Honorary Regional Treasurer: Mr D C Anjekar, Members : Dr T Chakraborty, Dr S D Dawande, Mr T C Parmar, Mr S N Gulhane, Mr M K Dam, Mr Y R

Jayashima, Mr N D Bansod, Mr P Charde, Co-opted Members: Dr M KN Yenkee, Mr T B Chahande, Mr S L Pandharipande

Activities:

A **seminar** on 'Safety Health and Environment Management in Chemical Industries' (SHECHEM-2005), was organised on 23 September 2005.

14.20 Northern Regional Centre

Committee:

Chairman: Prof K D P Nigam, Honorary Regional Secretary: Dr S Basu, Honorary Regional Treasurer: Dr K K Pant

Activities:

a) **Technical Lectures** on:

- 1) 'Energy Tomorrow' by Mr Subir Raha, Chairman and Managing Director, ONGC on 26 August 2005.
- 2) 'Catalysis and Petroleum Refining' by Dr H J Lovink, Former Senior Scientist and Catalyst Group Manager at Akzo Nobel Catalyst Research Centre, Amsterdam, The Netherlands on 28 October 2005.
- 3) 'Status of Food Processing Industry' in India by Mr P L Kaul on 27 January 2006.
- 4) 'Competitive Technical Intelligence – Decisive Factor in Chemical Industry' by Prof Subir Ranjan Das on 24 March 2006.

b) A national **workshop** on 'Catalysts in Hydrocarbon Processing and Fertilizer Industry' was held on 25 and 26 November 2005, in collaboration with Lovraj Kumar Memorial Trust.

c) **Publications:**

- 1) The Proceedings of CHEMCON 2005.
- 2) The Proceedings of the national workshop on Catalysts in Hydrocarbon Processing and Fertilizer Industry.
- 3) Catalysts in Hydrocarbon Processing and Fertilizer Industry – A Compendium, edited by M A Siddiqui and R P Veerma.

a) **Plant Visit** to Jubilant Organosys, Gajraula on 18 February 2006.

b) **Students' Scholarship:**

NRC granted merit cum means scholarship of Rs. 10,000/- each to 6 students pursuing Bachelors degree in Institutes/universities in the region.

1.1 Pondicherry Regional Centre

Committee:

Chairman : Dr M N Chandrashekhara, Vice Chairman: Dr S Sundaramoorthy, Honorary Regional Secretary : Mr B Rajendra Babu, Honorary Regional Joint Secretary: Mr R Prabakar, Honorary Regional Treasurer: Mr G Srinivasan, Members : Mr G Murali, Mr R Sridar, Mr R Gopinathan, Mr V Jayakumar, Mr R Rajesh Babu, Mr A Md Farooq, Mr C Senthil Kumar

14.22 Pune Regional Centre

Committee:

Chairman: Dr J K Dattagupta, Immediate Past Chairman: Mr H G Joglekar, Vice Chairman: Mr S T Kombade, Mr P B Patil, Honorary Regional Secretary: Mr N R Gadre Honorary Regional Joint Secretary: Dr S H Vaidya, Honorary Regional Treasurer : Mr K K Lonkar, Honorary Regional Joint Treasurer: Mr H S Pinge, Mrmbers: Dr V M Bhandari, Mr M V Deshmane, Mr K V Deshpande, Mr P M Deshpande, Prof P M Deshpande, Mr R D Kale, Mr S A Khapre, Mr R V Singh, Mr M M Talathi, Mr S D Yadnik.

Activities:

- a) A two-day **training programme**, exclusively for budding chemical engineers, on 'Instrumentation and Control Engineering' was organized on 14 and 15 January 2006.
-) A two-day **refresher course** on 'Competitive Edge through Performance Improvement' was conducted on 10 and 11 February 2006.
-) **Plant Visit** to Maharashtra State Electricity Board's Hydroelectric Power Plant at Koyna on 4 March 2006.

14.23 Rourkela Regional Centre

Committee:

Chairman: Mr F C Mohanty, Honorary Regional Secretary: Dr (Mrs) S Mishra

Activities:

- a) A **seminar** on 'Waste Management in Chemical and Allied Industries: Vision 2020' was conducted in the Department of Chemical Engineering, NIT, Rourkela on 1 and 2 October 2005.
- b) Prof (Dr) S C Naik, an eminent chemical engineer, was felicitated on 17 October 2005 on being elected as the President of the Institution of Engineers (India).

14.23 Trivandrum Regional Centre

Committee:

Chairman: Mr K Govindaraju, Vice-chairman: Mr R Venkateswaran, Honorary Regional Secretary: Mr Shaneeth M, Honorary Joint Secretary: Mr S Venugopal, Honorary Regional Treasurer: Dr K M Usha, Members: Mr Ajith Haridas, Mr P Raghavan, Mr V Binuraj, Mr S Sampath, Dr K B Radhakrishnan, Mr K A L Narayanaswamy, Mr Rajendraprasad, Mr K S Sastri, Mr R Muraleekrishnan.

Activities:

- a) **Technical Lectures** on:
 - 0) 'Fusion of Biotechnology and Information Technology' by Dr Achuthsankar S Nair, Honorary Director, Centre for Bioinformatics, University of Kerala on 8 November 2006.
 - 0) 'Is There an Indian Way of Doing Science' by Prof Roddam Narasimha, former Director, NAL on 21 January 2006.
- b) A **seminar** on 'Vistas in Chemical Engineering Practices' was organised on 1 April 2006.
- c) CGG Panicker Gold Medal Award:
The annual CGG Panicker Gold Medal presentation function was organized along with a one-day seminar. The Gold Medal Award, instituted in 1986, was presented to the first rank holder in Chemical Engineering of TKM College of Engineering, Kollam, Ms Deepa Thomas.
- c) Mr K Govindaraju, Chairman, Mr A J Raghavan, former Chairman, and Mr R Venkateswaran, Vice Chairman, Trivandrum Regional Centre, were felicitated on their 60th birth year.
- c) The annual family **get-together** was organized at Hotel Horizon, Thiruvananthapuram on 1 April 2006.

14.24 Vapi Regional Centre

Committee:

Chairman: Mr J R Shah, Vice-chairman: Mr Ashok Shah, Honorary Regional Secretary: Mr M C Goyal, Honorary Regional Jt Secretary: Mr U M Rao, Honorary Regional Treasurer: Mr B P Parekh, Ex.officio : Mr R K Mathur, Members: Mr V B Savarkar, Mr P S Karanth, Mr S S Pokale, Dr H M Bhatt, Mr D C Goyal

Activities:

- a) **Seminars** on:

- 0) 'Process Review: An Effective Progress Tool' on 23 July 2005.
- 0) 'Voice over Internet Protocol and Convergence Platform (VOIP)' on 31 August 2005
- 0) 'Lubrication' on 31 August 2005.
- 0) 'Business Process Re-engineering' on 31 August 2005.
- 0) 'New Opportunities in Management Education' on 18 November 2005.
- 0) 'Process Simulation: Key to Improved Plant Performance' on 4 February 2006.
- 0) 'Advanced Heat Transfer Technologies' on 30 March 2006.

15.0 Beyond 2005-06

This Annual Report being for the year 2005-06, the preceding paragraphs cover the activities of the Council and the Headquarters Office during 1 April 2005 to 31 March 2006 and those of the Regional Centres during 1 July 2006 and 30 June 2006. The members may be interested to know about the activities beyond reporting period. A brief outline about the same is as follows:

Closing down of Regional Centres

The Council had decided, in its meeting held on 25 February 2006 in Kolkata, that the following Regional Centres, shall be declared as closed w.e.f 1 April 2006 if they fail to submit their Audited Annual Accounts for the financial year 2004-05 to IChE HQ by 31 March 2006. The decision was communicated to all regular members of the Regional Centres whose current addresses are available with IChE HQ.

Annamalai	Damanjodi	Jamnagar	Malwa	Sindri	Veraval
Bhavnagar	Goa	Lote Parasuram	Raipur Bhillai	Varanasi	Tuticorin

Subsequently, communications were received from the following Regional Centres:

- () Annamalai, (b) Damanjodi, (c) Lote Parasuram, (d) Sindri, (e) Varanasi and (f) Veraval.

Dr Rm Muthiah offered to take the responsibility of reviving Tuticorin Regional Centre and requested to allow him time for the same till end June 2006.

Considering the communications received and the offer from Dr Rm Muthiah, the Council in its meeting held on 22 April 2006 decided that:

-) Annamalai, Damanjodi, Lote Parasuram and Sindri Regional Centres would continue to function beyond 1st April 2006.
-) Bhavnagar, Goa, Jamnagar, Malwa, Raipur-Bhillai, Varanasi and Veraval Regional Centres would be closed w.e.f 1st April 2006. The funds and other movable assets of these Regional Centres should be transferred to IChE HQ immediately by the present custodians. These funds and assets would be kept in separate accounts by IChE HQ and should be transferred back to any of these Regional Centres, which revives its activities within a year to the satisfaction of the Council.
-) The status of Tuticorin Regional Centre would be decided after 30th June 2006.

Subsequently, Mr D K Srivastava, Honorary Secretary of erstwhile Veraval Regional Centre, IChE (VRC) had requested, through his email dated 13.06.2006 to reconsider the decision to close VRC and allow the Regional Centre to continue to function. Mr Srivastava had also sent an e-mail describing the activities of the Regional Centre. Considering the communication received from Mr Srivastava, the Council decided to allow Veraval Regional Centre to continue to function and to review the situation after one year.

As no development in respect of Tuticorin Regional Centre was reported by Dr Rm Muthiah, the Council decided to close the Regional Centre w.e.f. 30 June, 2006.

Publication

The Council, its meeting held on 22 April 2006, has decided that hard copies of Indian Chemical Engineer would be made available to senior members (above 65 years of age) free of cost on their request.

The Council approved, in principle, the recommendations of the Publication Committee to have a joint publication of Indian Chemical Engineer (ICE) with Anamaya Publishers, New Delhi.

Honorary Fellow

The Council, its meeting held on 22 April 2006, elected Shri S C Hiremath, Chairman & Chief Executive, Heavy Water Board, as Honorary Fellow of the Institute.

C K Murthy Memorial Lecture

Mr C Satyanarayana, Managing Director, Inventaa Chemicals Ltd, Hyderabad has donated Rs. 5.0 lakh towards endowment of C K Murthy Memorial Lecture.

Endowment for Student activities

Mr Anantha Chary, Chairman & Managing Director, Chary Group of Industries, Hyderabad has donated Rs. 2 lakh, in memory of his father Mr M P Chary who was an industrialist, towards endowment for the activities of SCHEMCON and Student Chapter activities.

Termination of Membership of the Council

The Council, its meeting held on 16 September 2006, was constrained to terminate the Council Membership of Prof K Balu since he failed to attend a single meeting of the Council during 2006 (vide clause No.25.13 of the Constitution).

SCHEMCON-2006

Schemcon 2006 was held at Jawaharlal Nehru Technological University College of Engineering, Anantapur from 15th to 16th September 2006 on the theme "Intensifying Indigenous Technology in an Era of Globalization".

Assistant Secretaries at IChE HQ

Mr Sandip Ghosh and Mr Sandip Gupta have joined the IChE HQ office as Assistant Secretary (Research & Professional Development)(**expected joining on 16.11.2006**) and Assistant Secretary (Finance & Coordination) respectively.

15.0 Acknowledgement

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

Sudip K Das
Honorary Secretary

Committees for the year 2006:

<p>Admission Committee: Prof M Velan (Chairman), Prof P V R Iyer (Convener), Prof V K Srivastava, Mr R Parthiban, Dr T K Radhakrishnan, Prof S S Bandyopadhyay, and, Dr S Ganeshan</p>
<p>Publication Committee: Mr Kalyan K Basu (Chairman), Dr Suddhasatwa Basu (Convener), Dr T K Roy, Mr J P Kapur, Mr S I Thacker, Mr V K Srivastava, and, Mr Shyam Bang</p>
<p>Education & Examination Committee: Prof S K Sharma(Chairman), Prof V K Rattan (Convener), Prof R C Katyal, Prof Sukhmehar Singh, Prof J C Bansal, Mr K Sahasranaman, and, Prof S S Sridharan</p>
<p>Finance Committee: Mr Dipak Dutta (Chairman), Prof B R Maiti (Convener), Prof G D Yadav, Mr C Satyanarayana, Mr Shyam Bang, Mr D P Misra, and, Mr A K Sahni.</p>
<p>Regional Centre Affairs Committee: Prof V C Malshe (Chairman), Mr K Sahasranaman (Convener), Mr M G V Chalapathi Rao, Mr P K Saxena, Dr K S Rajanandam, and, Mr A Bhaskar Reddy.</p>
<p>Annual Awards Committee: Prof S Venkateshwar (Chairman), Dr S K Das (Convener), Prof A Mishra, Prof S K Sharma, Prof A K Mitra, and, Prof C M Lakshmanan.</p>
<p>Building Committee: Prof P Sengupta (Chairman), Dr S K Das (Convener), Dr Suddhasatwa Basu, Mr N M Surana, Mr R Shyam Sunder, Mr V Y Sane, and, Mr R P Luthra.</p>
<p>Research & Development Committee: Prof M N Biswas (Chairman), Dr S K Das (Convener), Dr V V Basava Rao, Prof S Basu, Mr R S Mukherjee, Prof S S Bandyopadhyay, and, Prof V K Rattan.</p>
<p>International Relations Committee: Prof G D Yadav (Chairman), Dr V S G Rao (Convener), Dr R V Chaudhari, Mr A S Sankholkar, Prof B K Dutta, Mr N N Patel, and, Mr Sujit Banerjee.</p>
<p>Library & Information Centre Committee: Prof Arun K Mitra (Chairman), Prof B R Maiti (Convener), Prof S S Bandyopadhyay, Mr R P Luthra, Prof R K Saha, Prof R K Wanchoo, and, Dr R Sreedhar Rao.</p>
<p>Student Chapter Affairs Committee: Mr K Venkataramanan (Chairman), Mr G V Sethuraman (Convener), Mr T L Prasad, Mr Ch Sailu, Dr A K Ghoshal, Dr Shrihari, and, Dr S V Satyanarayana.</p>
<p>Honorary Fellowship Committee: Prof S Venkateshwar (Chairman), Dr S K Das (Convener), Mr D P Misra, Prof Arun K Mitra, Prof G D Yadav, Dr K V Raghavan, and, Prof S K Sharma.</p>
<p>Chemcon Distinguished Speaker Committee: Prof S Venkateshwar (Chairman), Dr S K Das (Convener), all ex-officio members</p>
<p>Legal Committee: Prof B N Srimani (Chairman), Dr S K Das (Convener), Prof D N Ghosh, Prof A K Mitra, Prof P De, Dr Rm Muthiah, and, Mr A Sural.</p>
<p>Website Committee, Mr M Rajan (Chairman), Mr A Sural (Convener), Mr A S Sankholkar, Mr C P Ramulu, Dr K K Pant, and, Swami Vedajnananda.</p>

<p>Headquarters Office Administrative Committee, Mr Smarajit Das (Chairman), Dr S K Das (Convener), Prof B R Maiti, Prof T R Das, Mr T K Chakraborty, Prof S S Bandyopadhyay, and, Prof G K Roy.</p>
<p>Industry Institute Interaction Committee: Mr D P Misra (Chairman), Prof P De (Convener), Mr Kalyan K Basu, Mr A Bhaskar Reddy, Mr Shyam Bang, Mr K Venkataramanan, and, Mr M A Hania.</p>
<p>Chemical Process Safety Group: Mr Smarajit Das (Chairman), Prof B N Srimani (Convener), Prof A K Mitra, Dr S K Biswas, Dr M C Badarinarayan, Mr Sujit Basu, Mr M Mallikarjuna, Dr M M Mallikarjunan, and, Mr Sushil Kumar.</p>
<p>Chemcon Protocol Committee: Mr A A Panjwani (Chairman), Mr S Kapadia (Convener), Mr S I Thacker, Mr A K Sahni, Mr T K Chakraborty, Prof N Subrahmanyam, Dr S K Das, and, Mr G K Parikh.</p>