



The Indian Engineer

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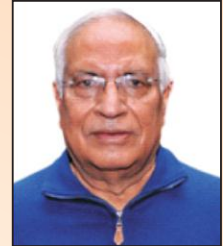
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Message from the Chairman

Let me at the outset wish a very happy and constructive New Year to all member associations and their members.



The Flagship event of ECI-the Annual National Conference was held at India International Centre, New Delhi on November 28. The theme was '**India's Vision 2030-What Engineers & Technologists can do?**' which was in line with the government thinking of formulating a Strategic Plan for next 15 years by Niti Aayog, in place of earlier Five Year Plans.

Both our Chief Guest Shri Arjun ram Meghwal, Hon'ble Minister of State for Finance and Corporate Affairs and Guest of Honour Shri Amitabh Kant, CEO, Niti Aayog could not come due to last minute urgent engagements elsewhere. The opening session started with presentations. About... speakers and ...delegates participated in the Conference. A brief report on the conference appears in this Newsletter. The recommendations arising out of the deliberations in the conference are being compiled and will be sent to the member associations and other concerned bodies.

The Registration of Professional Engineers by ECI jointly with the Member Associations (MAs) has made considerable progress. The Board of Registration of Professional Engineers (BRPE), chaired by Mr. Mahendra Raj, has approved till December 2016 registration of over 2000 candidates as Sr. PEs, PEs and APES. Several MAs, namely, CIDC and ACCE(I), IETE, CSI, CEAI, IICChE, ISTE, ISAE have either constituted National Committees or in the process of forming them. Other MAs need to form such Committees soon. In the meeting of the Board of Governors of ECI held on Nov 28, 2016 after the National Conference, the important role of MAs in the registration process, which includes creating awareness, getting applications, screening and recommending candidates for award of status of PE etc as well as in CPD, was highlighted. It was agreed that MAs should be fully involved and should make efforts to ensure the registration of a large no. of engineers in various disciplines. ECI will provide all help to MAs in this regard.

As I said before, ECI has been writing to several governments, public sector and other agencies to give recognition and preference to PEs. Dialogue has also been established with some institutions in other countries for mutual help and recognition. MAs can also help in creating wider awareness about the PEs and try for including a clause in contracts so that some percentage of engineers to be employed by contractors is of PEs.

(Uddesh Kohli)

From the Editor's Desk



Technological capabilities of an engineer, can best be described in terms of four levels:

- a) 1st level involves the ability to operate and maintain the existing production plant,
- b) 2nd level a new production plant based on imported technology,
- c) 3rd level consists of the ability to duplicate and adapt the design for an imported plant and technique elsewhere in the country or abroad,
- d) 4th and advanced level involves a capability to undertake new designs and to develop new production systems and components.

We would like majority of our Indian engineers to be on the 3rd or 4th levels, but in reality we mostly belong to the 1st level, partly to the 2nd level and some in very rare exception to the 3rd level, and practically none to the fourth level.

As a consequence, our engineering manufactured goods and engineering services, except in some small pockets, stand nowhere in the international arena. The quality of our products leave much to be desired. Our exports are going down continuously for quite some time now. Even in our own country, we are swamped with imported goods as our products do not match their quality. As a result, our National Manufacturing base is in a contracting mode.

One of the main factors for this dismal state of affairs is the competence of the Indian Engineering Fraternity. We do not continuously upgrade our technical knowledge and skills. As a result, after 5-10 years after leaving college, most of us become technically outdated. If in a city of four storied structures, a structure of 5 storeys needs to be constructed then it is a must that a four storey structure first needs to be made, then only it would be possible to go further. Similarly, in the case of skill and knowledge, if we want to create something new then we have to have knowledge of all the developments and advances taking place i.e., we have to keep upgrading our skills and knowledge regularly.

We, as responsible Indian Citizens, can do something to reverse this trend. The solution is to put in place a process to which ensures continuous upgradation of technical knowledge and skills of every engineer. We have also to scrupulously conform to a code of ethics. This is the only way the Indian Engineering Fraternity can aspire to reach the desired level of stature. The most capable and right body, to promote and modulate these activities for a particular stream of engineering, is that discipline's respective Professional Association, such as for Software and IT - CSI, Material Science and Metallurgy - IIM etc etc. Some professional bodies have taken up this initiative on their level, but the effect is not tangible. To really make it felt and be effective across the length and breadth of the country, the activities need to be initiated and sustained at all levels, by all streams of Engineering in a uniform manner.

Engineering Council of India (ECI)'s registration process incorporates and sums up all the requisite steps enumerated above. Details can be had from ECI's website www.ecindia.org.

B. Jain

(B.R. Jain)

Asia Construct-Conference at Bangkok

ECI has now entered into an agreement on 22nd September, 2016 at Bangkok, called Bangkok Accord, with the representatives from Bangladesh, China, Sri Lanka, Malaysia, Singapore and Hong Kong Special Administrative Region, to create and develop an Asian Register of Professional Engineers to facilitate Cross Country Operations.



ECI's The 14th National Conference : India's Vision 2030 - What Engineers and Technologists can do?

The 14th National Conference was held on 28th November, 2016. It was well attended by around 260 delegates. Both our Chief Guest : Shri Arjun Ram



14th National Conference - The Opening Session in progress



14th National Conference - The 1st Session in progress

could not come due to last minute urgent engagements elsewhere. A wide variety of topics in the presentations relevant to the theme, were taken up, which were followed by a lively question-answer



14th National Conference - The 2nd Session in progress

Meghwal, Hon'ble Union Minister of State for Finance and Corporate Affairs and Guest of Honour : Mr Amitabh Kant, CEO, N i t i A a y o g , Government of India,

session. The topics, covered by the 13 speakers, were quite informative and were well appreciated by the audience, for their quality and depth. A Souvenir was also



14th National Conference - The Panel Discussion in progress

The opening session started with presentations by Lt Gen. Dr Chandele PVSM, AVSM (Retd) followed by Mr A Sabnis. The 1st Session saw presentations by Shri L. Pugazhenty, Shri S. Uppal, Shri J.S. Saluja and Prof. I.M. Mishra. The session was moderated by Shri



14th National Conference - The Audience

Mahendra Raj. The 2nd Session presentations were by Shri D. Bhatnagar, Prof P. Tripathi and by Er. O.P. Gupta VSM. It was moderated by Shri S.C. Mehrotra. The final Session was graced by Prof.P.S. Desai, Dr V.K. Gupta, Dr K.C. Sahoo and Dr R.U. Das.

Registration of Professional Engineers

1) Introduction

Registration of Professional Engineers, Associate Professional Engineers, Student Engineers, and some other categories on a voluntary basis is going on since 1st December, 2015. Member Associations (MAs) have a major role to play as they call for applications, screen them through their set up National Committees (NCs) for respective fields/disciplines of engineering. These NC give their recommendations to the Board of Registration of Professional Engineers (BRPE) set up by ECI.

2) Benefits of Registering

The Registration, enhances the credibility and image of the Engineer. His/her acceptance by industry, institutions, clients and other organisations goes up when he/she mentions the fact of this registration as PE (or APE or SE) which distinguishes him/her from those who are not registered. We are informing the various government departments, public sector organisations, local authorities, industry associations regarding the National Register. Specifically, it will result in:

- (i) Better credibility and possibility to make use of the branding of ECI and concerned Member Associations, as the names are being listed on the website
- (ii) Using the Certificate of Registration as PE in the National Register as a part of CV, and
- (iii) Better prospects for assignments/jobs after this is publicised to client/employer organisations.

3) National Registers

There are separate National Registers for (i) Professional Engineer (P.E), (ii) Associate Professional Engineer (APE), (iii) Apprentice/ Graduate Engineers (ApE), (iv) Junior Apprentice Engineer (JrApE), (v) Student Engineer (SE) and (vi) Diploma/B.Voc Student Engineer (DiSE). There are separate National Registers under each category for different engineering fields/disciplines: Construction, Consulting, IT, Computers/Telecom/Civil/Electrical/Mechanical/Chemical/Mining/Metallurgy/Industrial/ Aeronautical Engineering, etc. The details and Criteria for registration under each category, Disciplines and Code of Ethics which the applicant has to sign, are given on the web site www.ecindia.org.

4) Categories and Fee

Initial registration fee is Rs. 3000 for PE, Rs. 2000 for APE, App.E & Jr.App.E and Rs 1000 for SE. And for other categories, the fee is Rs 2000. Plus the applicable Service Tax. The fee structure is subject to change in future. The registration is subject to renewal after 5 years.

5) Continuous Professional Development (CPD):

Each PE/APE is expected to meet minimum CPD requirement before being considered for registration or renewal of registration. Nature of the programmes constituting CPD activities and credit hours to be earned are given on the web site www.ecindia.org. It is the aggregate of credit hours earned in 5-years that will determine as to whether a PE has secured at least 250 credit hours within his/her five years' registration validity period or not, for re-registration. MAs have a major role in organizing the CPD programmes for respective disciplines.

Distinguished Engineer: Mr. Umesh Shrivastava

Mr. Umesh Shrivastava is the Executive Chairman and founder of Holtec Consulting Private Ltd., which is held in high esteem within and outside India. The company has the exclusive distinction of being the first Indian Consulting Company to be certified for ISO 9001 simultaneously for rendering technical as well as management consulting services to cement, construction and infrastructure sectors (highways, bridges & power).



U. Shrivastava

Holtec Consulting has been actively associated with the entire Cement Industry in India since 1967 and has carried out over 4000 assignments (including 950 foreign assignments) in technical and/or management consulting for almost every cement manufacturing company across the country. The global client-base exceeds 900.

After a brilliant academic career throughout Mr. Shrivastava obtained his engineering degree from Banaras Hindu University. He received professional training and post graduate education for over four years in West Germany, Canada, USA and Switzerland. Mr. Shrivastava has undergone the most coveted ADVANCED MANAGEMENT PROGRAMME (AMP) at Harvard Business School, USA and perhaps so far is the only Indian Consulting Engineer to have done so.

Mr. Shrivastava has been President of the National Association of Consulting Engineers and a founder member of the Consultancy Development Centre, Consulting

Engineers Association of India, Harvard Club of India and Swiss Business Forum. He has served on the Governing Councils of all these associations for many many terms. Mr. Shrivastava has been a member of the Expert Committee of National Productivity Council for productivity performance awards to Cement Industry for over a decade.

Mr. Shrivastava has led consultancy missions or participated in them to various countries, World Bank, I.F.C. and A.D.B. He has travelled to all continents many times over and being an ardent supporter of consultancy movement in India, has been actively involved with a variety of consulting activities for almost five decades.

In recognition of his sustained and valuable services to consultancy profession, the Consulting Engineers Association of India has conferred upon him the prestigious and unique "LIFE-TIME ACHIEVEMENT AWARD" in December 2012. Institution of Engineers (India) awarded Mr Shrivastava's company "HOLTEC CONSULTING" for ACHIEVEMENT AND PERFORMANCE in category "ENGINEERING SERVICES & CONSULTANCY" in December 2015.

In May 2016 "LIFE-TIME ACHIEVEMENT AWARD" was conferred on him by IITBHU Alumni Association for his significant achievements in the fields of Management and Entrepreneurship.

Subsequently in December 2016, in recognition of his continuous and valuable services to the Cement industry, Indian Cement Review conferred on him prestigious "LIFE-TIME ACHIEVEMENT AWARD".

News from the Member Associations

1) ACCE (I)

- a) ACCE(I)'s Bangalore Centre organised the *International Conference & Exhibition on Recent Developments In Design and Construction Technologies of TALL STRUCTURES Evolution and Innovation between 9th and 12th November, 2016 @ Bangalore*. The Conference was an accredited CPD program approved by ECI. Felicitation of i) *Dr. P Shyama Raju*, Chairman & Managing Director, Divyasree Developers Chancellor, REVA University, ii) *Er. B M Jayeshankar*, Founder, Chairman & Managing Director, Adarsh Group of Companies and iii) *Shri M R Jaishankar*, Chairman & Managing Director, Brigade Group as Eminent Indian Engineers in the field of Construction, were made.
- b) Nominations are invited for the various **ACCE (I) Awards**. Details available at www.acce.in.
- c) A Seminar is planned on **Trend Setting Structures** at Mysore, 20th and 21st Jan, 2016, in Recent Advances in Civil Engineering. Please contact : raceaccemys@gmail.com for details.

2) CSI

- **September 10-11, 2016** : Workshop on Analytics using <http://csihyderabad.org> Contact : analyticsusingr@gmail.com
- **September 16-17, 2016** : 2016 International Conference on Frontiers of Intelligent Computing: Theory and applications [FICTA], KIIT University, Bhubaneswar. www.ficta.in Contact: fictaconf@gmail.com
- **October 04-05, 2016** : National Conference on "Recent Advances in Computer Science & Technology", RACST - 2016, Department of Computer Engineering, G H Patel College of Engineering & Technology, Vallabh Vidyanagar, Gujarat, www.gcet.in Contact : Dr. Maulika Patel, maulikapatel@gcet.ac.in
- **October 06-08, 2016** : International Conference on "Computational Systems and Information Technology for Sustainable Solution [CSITSS- 2016]" Organized by CSE & ISE & MCA - R.V College of Engineering, Bengaluru - 560059. www.rvce.edu.in Contact: csitss2016@rvce.edu.in Ph: 080-671783, 8180.

- October 28-29, 2016 : Third International Conference on Computer & Communication Technologies [IC3T - 2016] at Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology, Vijayawada, Andhra Pradesh, India. <http://www.ic3t.mictech.ac.in/> Contact: Dr. S.C. Satapathy, 9000249712, sureshsatapathy@ieee.org, Dr. K. Srujan Raju, 91-9246874862, ksrujanraju@gmail.com Prof. Vikrant Bhateja, 91-9935483537, bhateja.vikrant@ieee.org
 - **November 11-12, 2016** : International Conference on Advances in Computing and Data Sciences [ICACDS-2016]. Proceedings by Springer CCIS/LNCS Organized by Krishna Engineering College [KEC], Ghaziabad, <http://icads2016krishnacollege.ac.in/> Contact: Dr. Mayank Singh, icacds2016@krishnacollege.ac.in. Mob: 09540201130. National Conference on Smart and Innovative Technologies in Engineering and Sciences [SITES 2016] Gyan Ganga College of Technology, Jabalpur, MP. www.ggct.co.in. Contact sites: 2016@ggct.co.in
 - **November 17-19, 2016** : International Symposium on Acoustics for Engineering Applications: Acoustics for Quality Improvement in Life at KIIT, Gurgaon <http://www.nsa2016india.org/> Contact: Prof. [Dr.] S.S. Agrawal, Chairman, OC - NSA - 2016, Director General KIIT Group of Colleges, Gurgaon Formerly: Emeritus Scientist CEERI/CSIR, Advisor CDAC - Noida. Email: nsa2016india@gmail.com
 - **November 18-20, 2016** : 2nd International Conference on Communication Control and Intelligent Systems, at GLA University, Mathura, www.gla.ac.in/ccis2016. Contact: ccis@gla.ac.in.
 - **November 22-25, 2016** : Special Session on "Smart and Ubiquitous Computing for Vehicle Navigation Systems" at IEEE TENCON 2016. Marina Bay Sands, Singapore [<http://site.tencon2016.focalevents.sg/>] Contact : Dr. P.K Gupta pkgupta@ieee.org, Prof. Dr. S.K Singh sks.cse@itbhu.ac.in
 - **December 07-09, 2016** : National Symposium on "Recent Advances in Remote Sensing and GIS with Special Emphasis on Mountain Ecosystems" and their Annual Conventions at Dehradun, www.isrs2016.iirs.gov.in. Contact: Dr. S.K Srivastav, Organizing Secretary & Group Head, RSGG, Indian Institute of Remote Sensing, Indian Space Research Organization, Department of Space, Government of India, Dehradun, India 248 001. Email: isrs2016@iirs.gov.in
 - **December 08-10, 2016** : CSI Annual Convention [CSI-2016]: Theme: Digital Connectivity - Social Impact; Organized by CSI Coimbatore Chapter; Pre- Conference Tutorial on 7th Dec, 2016 Venue: Hotel Le Meridien, Coimbatore. Contact: Dr. Ranga Rajagopal, Convener, 9442631004 covener@csi-2016.org
CeBIT India 2016 - Global Event for Digital Business in association CSi. Venue: BIEC Bengaluru www.cebit-india.com Contact: Mohammed Farooq, farooq@hmf-india.com, +91 9004691833.
 - **December 22-24, 2016** : Joint International Conference on Swarm, Evolutionary and Memetic Computing [SEMCCO-2016]- 7th Conference on Smart Computing and Informatics [SCI-2016]. Department of Computer Science and Engg, ANITS, Visakhapatnam, India. <http://anits.edu.in/semfansci2016>. Contact: Prof. Suresh Satapathy, sureshsatapathy@ieee.org, Mob: 9000249712.
 - **December 23-24, 2016** : 8th Annual IEEE International Conference on Computational Intelligence and Communication Network. CICN-2016, Venue: Gyan Ganga Institute of Technology & Sciences, Jabalpur. Contact: Dr. Santosh Vishwakarma, santoshscholar@gmail.com
 - **February 11-12, 2017** : International conference on Data Engineering and Applications - 2017 [IDEA-17] at Bhopal [M.P], <http://www.ideaconference.in> Contact: conferenceidea@gmail.com
- ### 3) CIDC
- 9th CIDC VISHWAKARMA AWARDS 2017, on 7th March 2017, at IHC, New Delhi, call for nominations in various categories covering all the activities of the Construction Sector, with the Last date of entries being 31st December 2016. These awards shall be given on the Foundation Day of CIDC i.e. 7th March, 2017. For further details, please visit www.cidc.in or speak to Mr. Ashutosh Bhardwaj Director ? Corporate Affairs +91 98685 66547, or Mr. B.N Rao, Sr. Manager +91 98106 48451.
 - Notice for Enlistment/Registration of Vendors/ Contractors for Supply/Services in the CIDC - Construction Industry Database;- Competent and experienced Consultants, Manufacturers for supplying Materials, Accessories, Consumables, etc., and Contractors for providing Services, or Manpower for construction projects for river, highway bridges , tracks for railways, sports stadia, industrial buildings, residential and commercial complexes, integrated projects for power generation and distribution systems, air conditioning systems, finishing/ interiors works, piling etc at various locations across India and other South Asian nations are encouraged to enlist in the database. Contact : Tel. : 011-2623, 4770, 2648, 9992, 4161, 7971, Fax : 011-2645, 1604, Email : cidc@cidc.in, enlistment@cidc.in, cidcab@hotmail.com Website: <http://www.cidc.in> & <http://www.cidcdatabase.com>.
 - In the "2016 (Chengdu) Dialogue on South Asia Production Capacity Cooperation" from 1st to 4th November 2016 at Chengdu, China, besides the Chinese companies and delegates, participation were from Bangladesh, Pakistan, Lagos, Myanmar, Sri Lanka, India and some other countries. The emphasis was on for building greater trade interactions amongst the participating nations. India, represented by Indstt and CIDC, both Member Associations of ECI, invited the stakeholders to participate in the India growth story through flagship programs of the Government like Make in India, Swachh Bharat, Digital India and Skill India.
- ### 4) CEAI
- Secutech India 2017**: Gateway to a Smart, Safe & Secure India (with CEAI as Institutional Partner) : Secutech India and a flagship show of Intersec Dubai catering to leading

Security & safety companies around the world is scheduled on 6th -7th -8th April 2017 at BEC, Mumbai. The expo brings together change makers from the security industry under one roof. Co-organized by ABECL and Messe Frankfurt, the show brings about 690+ brands and about 28000+ visitors making it one of the largest shows in India. The visitors include a range of Chief Security & Fire Officers and decision makers from varied sectors. Learn more - www.secutechexpo.com.

- b) **Smart Cities India Expo (with CEAI as Institutional Partner)** : 1st Buildings India 2017 exhibition and conference will be held at Pragati Maidan, New Delhi, during 10-12 May 2017. The expo will connect exhibitors and speakers with government administrators, municipal bodies, industry leaders, investors, etc., who have interest in developing smart cities. Praveen Singh, President, Ph. +91-11-4279 5214 | Mob. +91 98997 86777 | E-mail: praveens@eigroup.in.

5) ICI

- a) "Introduction To Geopolymer Composites Technology" scheduled to be held on December 7, 2016 at IIT Madras, Chennai stands postponed. The rescheduled date will be announced later.
- b) IIT Madras is organizing "International Conference on Advances in Construction Materials and Systems - ICACMS 2017" between Sep 2 and 7 2017, as part of 71st Annual RILEM Week at IIT Madras, Chennai. More info visit: www.concrete2017.org.

6) IChE

- a) All India event for Chemical Engineering Students SCHEMCON 2016 was organized by the Student Chapter at the Department of Chemical Engineering, B V Raju Institute of Technology in association with IChE Hyderabad Regional Centre during 10th - 11th September 2016. For details, please visit www.schemcon2016.com.
- b) CHEMCON 2016 will be organized by Chennai Regional Centre in collaboration with AC College of Technology, Anna University and Central Leather Institute, Chennai during 27 - 30 December 2016. For details, please visit www.chemcon2016.com.

7) ISAE

- a) 51st Annual Convention of ISAE being organised at the College of Agricultural Engineering & Technology, CCS HAU, Hisar (Haryana)-India. :Please Note that abstract submission date has been extended to Dec. 31, 2016.
- b) The deadline for submission of abstract and other important dates for 51st Annual Convention of Indian Society of Agricultural Engineers (ISAE) and National Symposium during February 16-18, 2017 are revised.
- c) 51st Annual Convention of Indian Society of Agricultural Engineers (ISAE) and National Symposium on the theme "Agricultural Engineering for Sustainable and Climate Smart Agriculture" will be held during February 16-18, 2017 at College of Agricultural Engineering and Technology, CCS HAU, Hisar (Haryana).

- d) Now online payment of membership fee can be done preferably using Net Banking/Debit Card/Credit card using Pay U services available at ISAE website.

8) Indstt

- (i) No Dig India Show 2016 - International Conference & Exhibition on "Government Missions & Trenchless Technology" at India Habitat Centre, New Delhi during 8th & 9th December 2016.

9) IETE

- a) In the recently conducted election for President IETE (2016-17), Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd), had been voted the president-elect. He officially assumed his role as President in Sept 2016 following the 59th Annual Technical Convention in New Delhi.
- b) IETE conducted its 59th Annual Technical Convention on the theme "Make in India: Product Design & IPR in ICTs" on 24-25 September this year at its HQs situated at Lodi Road, New Delhi. Technical sessions spread over two days included presentations in the pertinent emerging areas namely - Legal Issues related to IPR; Make in India - Start Ups and Innovative Products and Marketability; IPRs and Patents for Make in India; and Massive Online Courses, Bandwidth Optimization and utilization Using Modern ICT.
- c) IETE HQ and its Centres pan India celebrated 63rd Foundation Day of the Institution on the theme "Cyber Security-Threats and Imperatives" on Nov 02, 2016.
- d) The 9th Convocation of the IETE was held on 4th Dec 2016 at Delton Hall, IETE HQ, New Delhi. This year, five (5) ALCCS and one hundred eighty (185) AMIETE students participated in the convocation ceremony and received their degree. The Chief Guest Prof P B Sharma, Vice-Chancellor, Amity University, Gurgaon, and President IETE, Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd) gave away the awards.
- e) IETE-GISFI 5G Summit on Smart City & 27th Standardization Series Meeting (GSSM) was held at IETE HQ, New Delhi during 2nd-3rd Dec 2016, graced by Dr MD Tiwari, Vice Chancellor, Barkatullah University, Bhopal, as the Chief Guest. Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd), President IETE and Smt Smriti Dagur, Past President IETE and Dr Ramjee Prasad, Founder GISFI, also graced the occasion.
- f) IETE HQ participated in the Asia Pacific Microwave Conference-2016 and International Microwave & RF Conference-2016 held at Hotel Pullman, Aerocity, New Delhi during 5th - 9th Dec 2016. An MoU has also been signed between IETE and IEEE-MTTS during this conference.

10) IME (Marine)

- a) The 33rd AGM of the IME(I) was held at the IME(I) House, Nerul, Navi Mumbai on Saturday 17th September 2016. 62 members, including one lady member, attended the event. Four resolutions were tabled and were approved by the General Body. The General Body was informed about important developments which took place since the last AGM.

11) ISTE

- a) The 19th ISTE TN&P Section Annual Convention for Faculty Members of Engineering College - 2016 was held on 2nd & 3rd December, 2016 at Dr. N.G.P Institute of Technology, Coimbatore. The theme of the Convention was Internationalization of Engineering Education - Empowering the Future. Details are on www.isteonline.in.
- b) The 46th ISTE National Annual Convention & National Conference will be held at Gulzar Group of Institutes, Khanna, Ludhiana (Punjab) on 10th, 11th & 12th February, 2017. The theme of the national conference is Intelligent Technologies for Better Tomorrow. For details visit www.isteonline.in.

12) CET

- a) 4th National Seminar & 2nd Convocation Ceremony on 24 th December 2016 By The Council of Engineering & Technology (India) Theme: Skill For All: Challenges & Opportunities Venue: Science City, Mini Auditorium, East Topsia, Dhapa, Kolkata, West Bengal - 700105

13) Indian Society for Non Destructive Testing

- a) First World Congress on Condition Monitoring-WCCM 2017, 13-16 June 2017, ILEC Conference Centre, London, UK. The event will provide a unique opportunity to network with leading academics and industrialists from all over the world in the field of condition monitoring and related areas.
- b) 26th National Seminar & International Exhibition On NON-DESTRUCTIVE EVALUATION, NDE - Enabling Excellence, on 15 - 17 December, 2016, at Saj Convention Centre, Thiruvananthapuram. Organized by Indian Society for Non-Destructive Testing Thiruvananthapuram Chapter. Details from www.nde2016.com.

14) CDC

- a) 17TH Batch of Certificate Programme in Management Consultancy (CPMC) during January to March, 2017, at New Delhi, with an aim to prepare professionals for a career in Management Consulting. Details from - www.cdc.org.in.
- b) Certificate Programme in Technical Consulting (Purposed duration - (3 months) during December-February 2016-17), to fill the gap between service delivery by technical consultants and industry expectations. The programme covers all the broad facets of Technical Consulting in a seamless manner. The venue shall be- India Habitat Centre, Core - IV B, 2nd Floor, Lodhi Road, New Delhi - 110 003. Details from - www.cdc.org.in.

15) IIE

- a) **59th National Convention of Indian Institution of Industrial Engineering & International Conference on Manufacturing And Industrial Engineering (ICMIE-2017)** on 14th to 16th September 2017, Organized by Indian Institution of Industrial Engineering, Aurangabad Chapter & in association with MGM's Jawaharlal Nehru Engineering College, Aurangabad, at Aurangabad. Details from Dr. Dhananjay. R. Dolas / Dr. M.S. Kadam, E mail: cmie2017@gmail.com, drdolasjnec@gmail.com/hodmech@jnec.ac.in. (Mobile No.) +91- 9422655271, +91-9657715344; Phone : 0240-2481434, Fax : 0240-2482236

16) BES

- a) BES EXPO 2017 23rd International Conference and Exhibition on Hybrid Technologies in Broadcasting - New Opportunities, 2-4 February 2017 at The Leela Ambience Convention Hotel, New Delhi. Conference & Exhibition on Terrestrial & Satellite Broadcasting is the twenty-third in the series of events to be organized by Broadcast Engineering Society (India). Details from conference@besindia.com, exhibition@besindia.com, bes@besindia.com.

17) IA.SE

- a) IABSE Conference in Bath, England, on the 19th and 20th April 2017. The Conference will focus on Engineering as a key industry for addressing global challenges and ensuring sustainable growth of society by providing a high-quality built environment. How can we encourage greater creativity and imagination in design? How can cutting edge research be used to influence design processes and outcomes? How can designers work together and collaborate more effectively in today's design context? How can we develop an innovation mindset in structural designers? The event will address these and other related questions exploring creativity and collaboration in the structural design process. For details contact bath2017@iabse.org.uk or secretariat@iabse.org.
- b) Vancouver will host the 39th IABSE Symposium, Engineering the Future, on September 19 - 23, 2017, on the exploration of topics related to structural engineering of buildings, bridges and other civil infrastructure. The Symposium will showcase the latest in technology and practice to enable engineers, researchers and public agencies to plan ahead. Details from <http://www.iabse2017.org/>.

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