



The Institution of Engineers (India)

U.P. State Centre, Lucknow

"95 Years of Relentless Journey Towards Engineering Advancement for Nation Building"

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From Chairman's Desk



Dear Brother Engineers,

Let me first wish you and your family, on my behalf and on behalf of the State Centre, a very happy and prosperous New Year 2015. I also express my gratitude to the members of the Executive Committee of the U.P State Centre of IEI for having faith in me and electing me as Chairman of

the State Centre. I assure you that the decorum of the office bestowed on me will be maintained with full dignity, decency and dedication. I am also sure that we will be able to achieve further heights in all fields of activities of the Centre with your active support and cooperation.

The list of the Executive Committee members is published in this News Bulletin. You are requested to have a regular conversation with your Divisional Committee member for your valuable suggestions and feedbacks for consideration in the SCC meetings to enable us a better planning of future events as Seminar/ paper meetings/ workshop.

During December 2014, Energy Conservation Day has been organized successfully with the Chief Guest Mr. Desh Deepak Verma, Chairman, UP Electricity Regulatory Commission & Keynote Speaker Er. Mata Prasad, a well known personality in the Power Sector. We appreciate Er. Arun Kumar, Convener & Former SCC member for his commitment and hard work. I also request other members to come forward in organizing the events at regular intervals.

A K Gupta, FIE
Chairman

Forthcoming Events at IEI, U.P. State Centre

S.N.	Date	Event	Convener
01.	27-28.01. 2015	Workshop on Road Safety Aspects & Audit	-
02.	15.03.2015	Holi Milan	-
03.	22.03.2015	World Water Day	Prof. Jamal Nusrat
04.	17.05.2015	World Telecom & Information Society Day	Er J S Mishra
05.	05.06.2015	World Environment Day	Dr S K Gupta

Report on National Energy Conservation Day 2014 Celebrations

The Institution of Engineers (India) celebrated National Energy Conservation Day on 14th Dec'2014. On this occasion Chief Guest Mr. Desh Deepak Verma, Chairman, UP Electricity Regulatory Commission said that the efficient use of energy can conserve energy. He also said that reduction of the losses in generation, Transmission & distribution offers helping hand in energy conservation and reduction in emission of green house gases are also energy conservation. He told that the State Electricity Regulatory Commission is



Keynote Speaker Er Mata Prasad delivering his speech on 'National Energy Conservation Day'-14th Dec 2014

directing the Distribution Companies to popularize energy efficient equipment. He informed that Distribution Companies will provide L.E.D lights at Rs.10/- only to their consumers. Balance cost will be adjusted in the saving of electricity by it's use. He also informed about a proposal under consideration for issue of a policy where old air-conditioners would be exchanged with new energy efficient air-conditioners. He expressed the view of installing solar energy equipments in far off areas instead of long distance lines to reduce line losses and thus save energy. Er. Mata Prasad, Ex-Executive Director, NTPC and a renowned personality in the Power sector delivered the keynote address. He told that Energy Conservation, coupled with Energy Efficiency, is a key-factor to prevent degradation of environment and ecology. These areas have been neglected. Energy Conservation is the strategy of adjusting and optimizing energy using system and procedure to reduce energy requirement. According to him Reactive Power Management; improvement of the plant load factor; improvement in designing of irrigation pump motors and pumps, etc. are the areas which need to be attended. Effective use of solar and wind power, integrated with grid supply should be encouraged. According to him, all out efforts are required to find out new energy resources. Er. Sanjeet Dutta and Er. Ram Shankar Shukla, Advisor of Sugar mills also gave their presentations on energy conservation. Er Dutta told that NTPC is replacing old machines with New Ultra Super Critical and Super Critical machines to reduce energy losses inside the machines. Er Shukla gave information about the work of energy conservation under taken by Sugar mills. Mr. B. B. Jindal, Ex-Member (Finance), erstwhile U.P. State Electricity Board suggested use of transformers having low internal losses. Er. Praveen Malhotra, Honorary Secretary of IEI, presented current figures of availability and demand of electricity in UP along with other States of India. He pin-pointed the key reason of backwardness of the State as

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Report on Workshop on 'How to Achieve Excellence in Service Sector'

The Institution of Engineers (India), UP State Centre organized a Workshop on How to Achieve Excellence in Service Sector on Nov 19, 2014. The purpose of this Workshop was to create awareness & education about setting world class standards in service sector in India. Dr Rajan Johri, Managing Partner of LeadWynn and a Fellow of CIPD (UK), led the session. He said that the development of a country's services sector is an indicator of its economic development. The services sector in India comprises a wide range of activities, including trading, transportation, communication, financial, real estate and business services, community social and personal services. It is a vital component of our economy and presently accounts for nearly 60 per cent of our gross domestic product (GDP). The growth in the services sector in India is expected to be around 5.6 per cent in FY 2014-15. The reports above point out that there is a strong case for developing a networked cadre of service science practitioners. Compliance with service standards is yet not stringent in India. In fact, there is widespread ignorance of such standards and the consequences of failures often lead to loss of business, market position, financial assets, health, human injury and



Inauguration of the Workshop by lighting the lamp (L-R) Dr Rajan Johri, Er VB Singh & Er Praveen Malhotra

even loss of life. Dr Johri reiterated that LeadWynn has set out to explore collaboration for the purpose. Members agreed that there is a need to develop and refine the vast talent that Uttar Pradesh holds. With the collective wisdom of experienced IEI Members and the expertise of volunteering professionals it is possible to put Uttar Pradesh on the Map of India as a leader in Service Professionals. Dr Rajan Johri felt that there can be no better organization than IEI for this critical nation building alliance. He urged Engineers and Technical Personnel to contribute to building up the body knowledge of Service Science. He extended the invitation to serving and retired professionals, ex servicemen, Institutes and Public Service bodies to collaborate in this massive change effort. Shri V B Singh, the then Chairman, IEI, UP State Centre summed up the key points of the session and said that we can increase productivity and at the same time provide consumer satisfaction by creating excellence in service sector the then Hony. Secretary Er. J S Mishra proposed Vote of Thanks.

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electricity availability per person in Uttar Pradesh is one third of India's average and stressed the need of energy conservation as most important in Uttar Pradesh. Er. A. K. Gupta, Chairman of the IEI, UP State Centre expressed his opinion that beside electrical energy conservation the other forms of energy conservation should also be taken up. Er. Arun Kumar, Convener focused on objectives of the event. Er. Praveen Malhotra, Honorary Secretary proposed vote of thanks.

94वीं वार्षिक आम बैठक 30 नवम्बर 2014 को सम्पन्न

द इन्स्टीट्यूशन ऑफ इंजीनियर्स, यू.पी. स्टेट सेंटर, लखनऊ द्वारा दिनांक 30 नवम्बर 2014 को 94वीं वार्षिक आम बैठक का आयोजन इन्जीनियर्स भवन सभागार में किया गया। इस अवसर पर उत्तर प्रदेश के लोकायुक्त न्यायमूर्ति श्री एन. के. मेहरोत्रा ने मुख्य अतिथि के रूप में बोलते हुए प्राइवेट इन्जीनियरिंग कॉलेजों की वर्तमान स्थिति पर चिन्ता जताते हुए कहा कि अधिकतर कॉलेजों में न तो फ़ैकल्टी है और न ही पढ़ने वाले छात्रों का बौद्धिक स्तर ही अच्छा है। बीते वर्ष 37 इन्जीनियरिंग कॉलेजों ने अपने कॉलेज बन्द करने हेतु आवेदन दिये हैं। उनके अनुसार इन्जीनियरिंग कॉलेजों का शिक्षण स्तर यदि सही रखना है तो उनका प्राइवेट सेक्टर में अधिक खोलना उचित न होगा। आज स्थिति यह हो गयी है कि इन्जीनियरों को रोजगार नहीं मिल रहा है। सरकारी नौकरी में आने के बाद वर्तमान एवं भविष्य दोनों पर खतरा मंडराता रहता है। भारत के प्रथम प्रधानमंत्री पंडित जवाहर लाल नेहरू आधुनिक भारत के प्रणेता कहे जाते हैं।



U.P. Lokayukt Justice Sri N.K. Mehrotra addressing the Members of IEI at U.P. State Centre

यदि तत्कालीन इंजीनियर ईमानदारी एवं मेहनत से अपना योगदान भारत के विकास में न देते तो शायद पंडित नेहरू के लिए यह सम्भव नहीं था। बड़े-बड़े बांध, बिजली घर सड़कें आदि न बन पाती। विधायिका केवल कानून बना सकती है। परन्तु कानून बनाने मात्र से सफलता नहीं मिलने वाली है। सफलता तभी मिलेगी जब नियम की जगह नीयत सही होगी। केवल भ्रष्टाचार न करना ही पर्याप्त नहीं है परन्तु अपने किसी अधीनस्थ अथवा सहयोगी को भी भ्रष्टाचार न करने दें। जब तक इंजीनियर ईमानदारी से काम नहीं करेंगे न गंगा साफ होगी, न गोमती। गंगा नदी की सफाई पर करोड़ों रुपये व्यय हो चुके हैं परन्तु उसका कोई फल नहीं निकला। आवश्यकता है कि धन का सही उपयोग हो। उन्होंने इस अवसर पर इंजीनियरों से लगन, निष्ठा एवं ईमानदारी से कार्य कर देश के विकास में सहयोग देने का आवाहन किया।

बीरबल साहनी इन्स्टीट्यूट ऑफ पैलियोबोटनी के निदेशक प्रो.(डा.) सुनील बाजपेई ने विशिष्ट अतिथि के रूप में बोलते हुए उच्च शिक्षा के वर्तमान स्थिति पर चिन्ता जताते हुए कहा कि अमेरिका की टाइम्स पत्रिका द्वारा अपने सर्वेक्षण के माध्यम से चुने गये विश्व के प्रथम 200 विश्वविद्यालयों की सूची में भारत का कोई भी विश्वविद्यालय स्थान नहीं प्राप्त कर सका। उनका कहना था कि अपने देश में 75 प्रतिशत स्नातक बेरोजगार हैं जिनमें से 25 प्रतिशत तो रोजगार के योग्य भी नहीं हैं। उन्होंने ज्ञान को सीमाओं में बाँधना उचित नहीं ठहराते हुए संतोष जताया कि विज्ञान एवं इंजीनियरिंग के बीच की रेखा अब समाप्त हो रही है। समय की आवश्यकता है कि सभी विधायें एकीकृत रूप से देश के विकास में सहयोग करें। उन्होंने 'जीवन की उत्पत्ति' विषयक अपने सम्बोधन में उपस्थित अभियांत्रिकीय विद्वानों को अद्भुत जानकारी देते हुए कहा कि करोड़ों वर्ष पूर्व भारत अफ्रीका के पास में स्थित था एवं उसके उत्तर में टेथी सागर हुआ करता था। बाद में चीन के भू-भाग से टक्कर होने के कारण हिमालय पर्वत बना। उन्होंने यह भी बताया कि व्हेल पहले थलचर प्राणी था। परन्तु समय के साथ वह जलचर हो गया। ऐसे जैव विविधता

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वाले बदलाव होते रहते हैं। अब ऐसे शोध हो रहे हैं कि यदि कोई उल्का पिण्ड टूट कर पृथ्वी से टकराने की स्थिति में हो तो कैसे उसकी दिशा बदल दी जाए कि धरती पर कोई नुकसान न हो। इस अवसर पर इन्स्टीट्यूशन ऑफ इन्जीनियर्स के अध्यक्ष श्री वी.बी. सिंह ने कहा कि वर्तमान में तीन नये तकनीकी क्षेत्र हैं— नैनो टेक्नोलोजी, सूचना प्रौद्योगिकी एवं जैव प्रौद्योगिकी। हमारा देश बीसवीं शताब्दी की आटोमोबाइल क्रान्ति में हिस्सा नहीं ले पाया। परन्तु सूचना प्रौद्योगिकी में कुछ हद तक हमने सफलता पायी। अब समय की आवश्यकता है कि हम जैव प्रौद्योगिकी एवं नैनो टेक्नोलोजी में बढ़-चढ़ कर हिस्सा लें जिससे कि अपना देश विश्व का अग्रणी देश बन सके। उन्होंने यह भी कहा कि हमारे देश की 70 प्रतिशत जनसंख्या 18 से 35 वर्ष के युवाओं की है और यह हमारी सबसे बड़ी ताकत और धरोहर है। आवश्यकता है कि हम अपने देश के युवाओं को सही शिक्षा एवं दिशा दें तभी देश का विकास सम्भव होगा। इस अवसर पर संस्थान के 75 वर्ष की आयु पूर्ण करने वाले सदस्यों का सम्मान किया गया। साथ ही इंजीनियरिंग के क्षेत्र में अद्वितीय कार्य करने वालों एवं श्रेष्ठ तकनीकी शोध पत्र प्रस्तुत करने वाले पांच अभियन्ताओं को पुरस्कृत एवं सम्मानित भी किया गया। समारोह के अन्त में संस्थान के मानद सचिव श्री जे.एस. मिश्र ने धन्यवाद प्रस्ताव प्रस्तुत किया। उद्घाटन सत्र के पश्चात् बिजनेस सत्र सम्पन्न हुआ जिसमें नये अध्यक्ष श्री ए.के. गुप्ता एवं नये मानद सचिव श्री प्रवीण मल्होत्रा ने कार्यभार ग्रहण किया।

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