



The Institution of Engineers (India)

U.P. State Centre

IE (I) NEWS

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

● e-mail: upsc@ieindia.org

● website : www.ieiup.org

● Phone : 0522-2625322

Vol. XXIV

ISSUE: 7

July, 2015

From Chairman's Desk



Dear Brother Engineers

You are aware that during the year 2015 the State Centre has organized the following events successfully with your active participation:-

1. Lecture on 'Self Management by Objectives' on 4th Jan. 2015 by Shri A N Ansari.
2. 66th Republic Day Celebrated.
3. A two day workshop on 'Road Safety Aspects and Audit' on 27th & 28th Jan. 2015 under convenership of Shri Ashok Jain.
4. Holi Milan on 15th March 2015 attended by a large number of members with their families.
5. World Water Day was celebrated on 22nd March 2015 under convenership of Prof. Jamal Nusrat.
6. World Telecom Day and Information Society Day was celebrated on 17th May 2015 under convenership of Shri J S Mishra
7. World Environment Day was celebrated on 5th June 2015 under convenership of Dr S K Gupta.
8. Lecture meeting on "VAASTU" on 26 July, 2015 by Er. Sharad Chand Asthana.

I congratulate and thanks all the conveners of the activities mentioned above and also the members whose presence made the activities so successful. Proposed activities are mentioned in the Magazine at appropriate place.

I request you to please make all the activities successful by your presence. I also request you to come forward with tentative planning of the activities according to your choice so that all the members may be benefited with your choices and technological ideas.

(A.K. Gupta) FIE

Forthcoming Events at IEI, U.P. State Centre

S.N. Date	Event	Convener
01. Aug. 15, 2015	Independence Day Celebration	
02. Aug. 22-23, 2015	All India Seminar on 'Innovative Building Materials and Technology for Sustainable Constructions' (BMTSC-2015)	Er Awadhesh Kumar
03. Sept. 15, 2015	Engineers' Day celebration	
04. Oct. 5, 2015	World Habitat Day 2015	
05. Oct. 14, 2015	World Standard Day 2015	

World Telecom & Information Society Day 2015 Celebration

The Institution of Engineers (India), Uttar Pradesh State Centre, Lucknow celebrated 'World Telecommunication and Information Society Day 2015' with Enthusiasm on 17th May 2015 at Engineer's Bhawan. This year theme given by International Telecommunication Union (ITU) was 'Telecommunications and ICTs: Drivers of Innovation'. Mr Satish Kumar, General Manager(Operation), BSNL, Lucknow, the Chief Guest on the occasion, told that BSNL has already been working on 'The National Optical Fiber Network' (NOFN) project since Oct'2011. It will provide broadband connectivity to more than 2.5 lakh Gram Panchayats (GPs) in India. Under this project, existing fiber cable networks of BSNL, Railway and Power Sector are being used. He informed that very soon all 497 Gram Panchayats of Lucknow will have the connectivity. Already, work of 154 Gram Panchayats of Lucknow has been completed and in 58 Gram Panchayats pipes have been laid. He also told that BSNL is working on the 'Next Generation Network' (NGN), under which one network transports all information and services (voice, data, and all sorts of media such as video) by transmitting packets. NGN (Core) at Lucknow has been commissioned in March 2015 along with Bangalore & Chandigarh. He told that High Speed Mobile Internet, Smart phones, Social Media (such as Face book, Twitter, WhatsApp), Cloud Computing, Telemedicine, e-Education, Weather Forecasting, Mobile Banking, Online Train Ticket Booking system are all examples of ICTs. Mr S.S. Sharma, Dy.GM (HAL Kanpur) elaborated about different ICTs (Information & Communication Technologies), which are in use and benefits being driven by the society from it. Mr. J.S. Misra and Mr. N. K. Nishad successfully convened the program jointly. Earlier, Mr. Arvind Kumar Gupta, Chairman, IEI, U. P. State Centre welcomed the Members and the Guests present. Mr. Jagdish Mohan, IEI, Council Member, Mr. V.B. Singh, Immediate Past Chairman and other dignitaries were present. United Nations Club, Lucknow also participated in the event and good informative documents, related to the topic, were distributed by the Convener of the club

Mr. Shishir Jindal, Mr. Praveen Malhotra, Honorary Secretary, IEI, U.P. State Centre delivered Vote of thanks.

Report on World Environment Day-2015

The Institution of Engineers (India), UP State Centre celebrated World Environment Day on 5th June this year too with all enthusiasm as usually, at its campus Engineers Bhawan, River Bank Colony, Lucknow. Shri J S Yadav, Member Secretary, UP Pollution Control Board as a chief Guest gave very useful descriptive information on prevalent environmental hazards and the remedial measures.

Shri Rakesh Verma Chief Engineer, Madhyanchal Vidhyut Vitaran Nigam Ltd. told that their department is aware of the consequences of environmental hazards and informed about the steps taken by the department in this respect. Dr S K Gupta expert in the field of environment and convener of the celebration told about the importance of the day and elaborated the theme topic 'Sustainable Production and Consumption' and for convincing the theme he linked the environment with 'Bhagwan' during his deliberation. Dr Paritosh Srivastava, SCC Member, Environment Engineering Division and Co-convener of the celebration said that every one wants to park his car under a tree shadow but very few take steps in plantation and maintenance of the trees he also emphasized the use of available resources from the nature wisely and take every step to avoid waste.

Earlier Shri A K Gupta, Chairman of the IEI, UP State Centre welcomed the members and the guests and the end Shri J S Mishra, Ex-Secretary of the Centre proposed the vote of thanks.

It is notified for all concerned that on recommendation of the Membership Committee, the Council at its 684th meeting held during 20-21 December 2014 has approved enhancement of fee for Fellow applicants from India and any other countries for fresh enrolments/upgradation, as per following effective from 1st April 2015.

Headquarter News

Revised Fee Structure for Fellow (FIE)

Application		Fee for Applicants from India & Nepal	Fee for Applicants from SAARC Countries (US)	Fee for Applicants from any other Countries (US)
For Direct Enrolment (paying in single remittance)		5450	300	720
For Transfer (those who paid Composite Subscription in existing grade)	AMIE to FIE	3110	185	445
	MIE to FIE	3010	175	440
For Transfer (those who paid Life Compounding Subscription in existing grade)	AMIE to FIE	3870	195	515
	MIE to FIE	3270	160	455
For Transfer (those who are in the Annual Subscription Block)	AMIE/MIE to FIE	2620	130	535
Life Compounding Fee		4260	200	410

Important Information from Head-Quarter Celebration of 100 Years of IEI's History

To
All Corporate Members of IEI
Hon'ble Members,

As advised by the President, I am writing this note to keep you abreast with what we are doing and also to know your views on matters that are important for The Institution of Engineers (India) [IEI].

The IEI will be celebrating its Centenary in the year 2020. Organizing the Centenary Celebrations requires meticulous planning and minute attention to detail; and we would like to assure you that we are investing time and effort for this. We also realize that our efforts can be bolstered by your assistance, support, help and encouragement.

Prior to the event, it is proposed that in order to preserve our legacy and history, a compilation needs to be done which chronicles the long saga. For this we need to collect and collate the documents and also document it properly, so that the important breakthroughs and attainment of the Institution are not lost and are preserved for the posterity.

We are going to start this work and solicit your contribution. If you happen to have anything for recording history-like old newsletters, AGM notices, symposium proceedings, annual reports, photographs etc., kindly send it to us. You can send either the scanned copy to (sdg@ieindia.org) or the hard copy to the following address:

The Secretary and Director General
The Institution of Engineers (India)
8, Gokhale Road, Kolkata-700020

The IEI shall duly acknowledge all such contributions. Apart from sharing the documents, you may also like to share from your memory. In such case please chronicle it and send it to us. It will be helpful to receive the material by April 30, 2016.

Your efforts will be highly appreciated and will go a long way in chronicling "100 Years of The IEI's History" in a befitting manner.

With best regards,

Yours sincerely,
Dr U Chandrasekhar
Secretary and Director General

Important Information

Felicitations of Platinum Jubilee Members

Members attaining 75 years of age in the year 2015 who have not been felicitated earlier, will be felicitated during 94th AGM of UP State Centre to be held in Oct. 2015. Such members are requested to send their names along with membership no., grade, branch of Engineering & brief bio-data latest by 5.10.2015 for making necessary arrangement.

Call for Papers for "Er. V.S. Chauhan- Mrs. Rajyashree Chauhan Award"

Original & unpublished Technical Papers are invited from the members/ non-members on Environmental Engineering. Papers may be on Applied research, General Topic or Construction Management. The best paper will be presented with "Er. V. S. Chauhan – Mrs. Rajyashree Chauhan Award" which carries a cash prize of Rs.5000/- and a certificate. The award will be given in the next AGM of UP State Centre scheduled to be held in Oct.2015. The papers should be neatly computer typed on A-4 size leaving proper margin and submitted in Duplicate. **The last date for receiving the paper is 05/10/2015.**

Call for Papers for "Dr. P.S. Nigam Power Sector Award"

Original & unpublished Technical Papers are invited from the members/non-members on Power Sector, preferably Hydropower Engineering & Technology, with special reference to Uttar Pradesh. The best Paper will be presented with "Dr. P. S. Nigam Power Sector Award" which carries a cash prize of Rs.2500/- and a certificate. The award will be given in the next AGM of UP State Centre scheduled to be held in Oct.2015. The papers should be neatly computer typed on A-4 size leaving proper margin and submitted in Duplicate. **The last date for receiving papers is 05.10.2015.**

Call for Papers for Annual Technical Session 95th AGM

Technical Papers are invited from the members /non-members on any discipline of engineering or interdisciplinary in nature. Only original & unpublished papers presented in person during Annual Technical Session to be held along with 95th AGM in Oct.2015 shall be considered for the following awards:-

(1) Er Hari Mohan Memorial Award

This award carries a cash prize of Rs.2500/- and a certificate and will be awarded to the best paper.

(2) The Institution Award

This award carries a cash prize of Rs2500/- and a certificate. The award will be given to 2nd best paper.

(3) Er. Musaddi Lal Memorial Award

This award carries a cash prize of Rs.1000/- and a certificate and will be awarded exclusively to the best Civil Engineering Paper not covered under any other award.

The papers should be neatly computer typed on A-4 size leaving proper margin and submitted in duplicate.

The last date for receiving papers is 5.10.2015

Celebration of 48th Engineers Day – 2015 Theme: Engineering Challenges For Knowledge Era

September 15 is celebrated every year in the country as "Engineers' Day" to commemorate the birthday of the legendary engineer Sir Mokshagundam Visvesvaraya. Sir Visvesvaraya, an eminent Indian engineer and statesman was born in a remote village of Karnataka, the State that is incidentally now the Hitech State of the country. Due to his outstanding contribution to the society, Government of India conferred "Bharat Ratna" on this legend in the year 1955. He was also called the precursor of economic planning in India. His learned discourse on economic planning in India, Planned Economy for India and Reconstructing India, was the first available document on the planning effort of the country and it is still held as the parent source matter for economic planners. A theme of national importance is chosen every year by the National Council of the Institution and deliberated at its various State/Local Centres to educate the engineering fraternity in general and the society in particular. This year the National Council of the Institution has selected the theme as "Engineering Challenges for Knowledge Era".

Tremendous developments are taking place in science, technology and engineering world over and the knowledge has become the new currency of national economics. Engineers have a pre-eminent role in the knowledge economy. Innovation of new products and processes form the core of new knowledge which has to be governed by intellectual property rights related safe guards including applicability of Cyber loss. Changing technologies, disruptive technologies and path breaking technological developments will have to be mastered exploited in all engineering disciplines.

Promoting research and development, nurturing entrepreneurship and succeeding in making world class products all will form major activities in this regard. Further interdisciplinary team efforts are needed to succeed in mapping the benefits of knowledge economy.

Technology manpower planning in the networked economy hinges on developing base of skilled and knowledgeable manpower of high calibre to usher in a talent-drive economic revolution. Both the Industry and Academia has equal responsibility to share to ensure that the engineers become ready to face the growing and ever-changing need in this knowledge era.

IEI has an important role in this endeavour. The theme chosen for Engineer's Day 2015 celebrations "Engineering challenges for Knowledge Era" will address all these aspects.

‘वास्तु—एक विचार’ पर व्याख्यान आयोजित (26 जुलाई, 2015)

इन्स्टीट्यूशन ऑफ इंजीनियर्स, यू0पी0 स्टेट सेंटर, लखनऊ में दिनांक 26 जुलाई, 2015 आज वाराणसी के ख्याति प्राप्त वास्तुविद, अभियन्ता एवं वास्तुज्ञान विशेषज्ञ श्री शरद चन्द्र अस्थाना जी ‘वास्तु—एक विचार’ विषय पर व्याख्यान दिया। उन्होंने बताया समाज में जब भी कोई विषय अपनाया जाता है तो उसके पक्ष और विपक्ष में विचार प्रकट किये जाते हैं किन्तु यदि बारम्बार किसी विषय और उसके फल की आवृत्ति हो तो उसको अपनाने में आनाकानी करना बहुधा लाभप्रद नहीं होता। वास्तु की अवधारणा अति प्राचीन है किन्तु इसका वर्तमान में प्रयोग अत्याधुनिक है। किसी भी दृष्टि से इसे देखा जाय परन्तु इसके उपयोग के पीछे आशय अच्छा ही होता है।

सर्वप्रथम यदि दिशाओं के अनुसार किसी भी स्थान की योजना बनाई जाय तो कभी भी दिशाओं के कोणीय होने के कारण वास्तु—त्रुटि होने की संभावना अत्यन्त क्षीण हो जाती है। यदि सड़कें, नालियाँ इत्यादि ठीक—ठीक उत्तर—दक्षिण या पूरब—पश्चिम में बनायी जाय तो उन पर विकसित होने वाले भवन इत्यादि भी दिशाओं के अनुरूप सटीक और सही होंगे। पूर्व में भी जो विकसित सभ्यताएँ हमें ज्ञात हैं उनमें सभी में, सड़कें इत्यादि दिशाओं के अनुरूप शुद्धता से पायी गयी हैं।

वास्तु का प्रयोग वर्तमान में प्रारम्भ हुए कम से कम तीन दशक बीत चुके हैं और इसके प्रभाव की स्पष्ट अनुभूति समाज में स्वीकृत हो चुकी है। इन प्रयोगों से प्रेरणा लेकर स्मार्ट सिटी या अन्य विकास हेतु इसका पूर्ण उपयोग हमें करना ही चाहिए। यह विषय किसी समुदाय विशेष का न होकर जन सामान्य का है क्योंकि आरोग्य और सौख्य किसी समुदाय विशेष की ही आवश्यकता नहीं है। ईट, सीमेन्ट, बालू, वृक्ष इत्यादि भी सभी के लिए एक जैसे ही हैं।

वृहद योजना के पश्चात जब भी किसी इकाई का डिजाइन तैयार हो तो वास्तु के नियमों का अधिकतम समावेश होना चाहिए। कोई भी भ्रांति यदि कभी परिलक्षित हो तो शास्त्र, अभ्यास और अनुभव का आश्रय लेकर उसको सुलझाते हुए आगे बढ़ जाना ही उचित है।

नवीन भवनों में वास्तु नियमों का उपयोग अवश्य होना चाहिए। पुराने भवनों में यदि आवश्यकता महसूस हो तो वास्तु के अनुसार उनमें सुधार भी अवश्य कराना चाहिए। तोड़—फोड़ के भय से एक विलक्षण विज्ञान का प्रयोग न करना उचित नहीं है। व्यक्ति अपने

मन के अनुसार घर में नाना प्रकार के बदलाव करता है किन्तु यदि वास्तु सम्मत बदलाव की बात हो तो पीछे हट जाता है, यह उचित नहीं है।

दिशाओं के अनुसार भवन की हर इकाई को स्थापित करना उनमें द्वार इत्यादि को ठीक—ठीक व्यवस्थित करना तथा वायु, आकाश, जल, अग्नि व भूमि तत्वों का सही—सही उपयोग करना वास्तु नियमों का एक मौलिक गुण है। वास्तु का असर सभी पर इसलिए होता है कि जाने अनजाने सभी इसको उपयोग में लाते हैं और प्रभावित होते हैं।

यह विषय एक विज्ञान है न कि दकियानूसी सोच। यदि यह दकियानूसी सोच होती तो इतने कम समय में इतनी तीव्रता से प्रबुद्ध लोगों द्वारा अपनायी नहीं जाती। यह विषय इतना आसान भी नहीं है कि जो चाहे जैसे चाहे इसे अपनी आवश्यकता के अनुरूप ढाल ले। कालान्तर में कई अन्य चीजें जैसे पिरामिड इत्यादि भी प्रयोग में लाये जा रहे हैं, जिनका व्यापक प्रभाव अभी आना शेष है।

कुछ आवश्यक बातें जो सभी को ध्यान में रखनी चाहिए +

1. उत्तर—पूर्व में कोई भी भार न रखें।
2. बोरिंग या भूमिगत जल टंकी उत्तर या पूर्व में ही करें।
3. सोते समय सिर दक्षिण में या पूर्व में ही रखें।
4. खाना बनाते समय मुँह पूर्व में ही रखें।
5. खाना खाते समय मुँह दक्षिण में नहीं होना चाहिए।
6. स्त्री और बीमार को दक्षिण—पूर्व के कमरे में नहीं होना चाहिए।
7. घर के मुखिया को दक्षिण—पश्चिम के कमरे में ही रहना चाहिए।
8. किसी सक्षम विशेषज्ञ से सलाह लेने में संकोच नहीं करना चाहिए।
9. वास्तु ईश्वर प्रदत्त एक अनूठी विद्या है जिसका उपयोग अवश्य करना चाहिए।

इस व्याख्यान को सुनने के लिए कई वरिष्ठ एवं गणमान्य सदस्य उपस्थित थे। व्याख्यान के प्रारम्भ में दि इन्स्टीट्यूशन ऑफ इंजीनियर्स, यू0पी0 स्टेट सेंटर के पूर्व अध्यक्ष श्री वी0 बी0 सिंह ने सभी अतिथियों का स्वागत किया एवं अन्त में संस्था के मानद सचिव श्री प्रवीण मल्होत्रा ने सभी उपस्थित सदस्यों का धन्यवाद ज्ञापित किया।

EDITORIAL BOARD

Chairman :

Er. A.K. Gupta, FIE
Ph.: (M) 9450932400

Hony. Secretary :

Er. Praveen Malhotra, FIE
(M): 09335816946

Editor :

Er. R.K. Pandey, MIE
(M) : 9415584568

To

If undelivered please return to:
The Institution of Engineers (India)
U.P. State Centre, Engineers Bhawan
River Bank Colony, Lucknow-226018