

THE CIVIL ENGINEER

E-NEWSLETTER

Volume-VI [2nd Quarterly Issue] April-June 2015



The Institution of Civil Engineers (India)

The Civil Engineer

E-NEWSLETTER

Volume -VI [2nd Quarterly Issue] April-June 2015

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The Institution of Civil Engineers (India)

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**Chairman of the Institution
Dr. S. L. Swamy**

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From the Editor-in-Chief's Desk

Dear Readers

The past months saw ICE(I) collaborate with national institutions and take it to global platforms. ICE(I) participated in the Foundation Day ceremony of ECI wherein Eminent Engineer Awards 2015 were given to Dr Baba N Kalyani, C&MD Bharat Forge Ltd and Dr Anil Kakodkar, Chairman, Solar Energy Research Advisory Council, JNNSM. Besides, other events viz. Conference on Skilling India for Global Competitiveness, Education Summit with thrust on National Education Policy, 2015, Education Reforms and National Construction Conclave etc.

In addition to the usual features of the News Letter viz professional vistas, partners to conduct practicals and project works etc. this issue contains interesting articles on various themes. The first article on "An Insight into the Roots of Formwork Failure" underlines the need to be paid on its design, erection, on site modification, if required, placement of concrete, inspection during placement of concrete and more importantly during opening of the Form Work. The second article is on "What does success mean to you". Success means differently to different people. Efforts have been made to express what success means to different people who are at the helm of affairs in their respective organizations. One can

definitely have one's own yard stick of success. The last article is on "Nepal Earthquake: Lessons India needs to learn". Any earthquake, whether in Nepal or any other Country teaches us many things. In the wake of the Nepal Disaster India too needs to take preventive steps to be able to handle such a tragedy effectively to save the life & property of its people.

ICE (I) always looks forward to organize its mega event i.e. Engineers Day on 15th September every year when it holds an International or National Seminar on any topic of interest to the Engineering fraternity and it also organizes its Annual Convocation to award Final Pass Certificates to its candidates. All those who have to get their certificates this year should block their dairies accordingly to be part of this prestigious event of ICE (I).

All those who have appeared for June, 2015 Examination must have done well. I wish them success in the Examination and bright future in their career.

Happy Reading!

Dr. S.L.Swamy
Chairman



From the Editor's pen

Dear Readers

It gives me great pleasure to present this issue of the Civil Engineer.

The construction industry is the second largest industry of the country after agriculture. It makes a significant contribution to the national economy and provides employment to large number of people. The use of various new technologies and deployment of project management strategies has made it possible to undertake projects of mega scale. In its path of advancement, the industry has to overcome a number of challenges. However, the industry is still faced with some major challenges, including housing, disaster resistant construction, water management and mass transportation. Recent experiences of several new mega-projects are clear indicators that the industry is poised for a bright future. It is the second homecoming of the civil engineering profession to the forefront amongst all professions in the country.

The construction industry is the biggest sector of the industrial spectrum in India. Construction activities contribute more than 10% of India's GDP. The construction industry in India has seen sustained demand from the industrial and real estate sector.

Present levels of urban infrastructure are inadequate to meet the demands of the existing urban population. There is need for re-generation of urban areas in existing cities and the creation of new, inclusive smart cities to meet the demands of increasing population and migration from rural to urban areas. Future cities of India will require smart real estate and urban infrastructure.

The Government of India has launched on 25th June, 2015 a new urban development mission. The Government's flagship Urban Mission Programmes: Developing 100 Smart

Cities, Rejuvenating Urban Infrastructure in 500 Cities under AMRUT and Housing for all. This will help develop 500 cities, which include cities with a population of more than 100,000 and some cities of religious and tourist importance. These cities will be supported and encouraged to harness private capital and expertise through PPPs, to holster their infrastructure and services in the next 10 years.

To provide quality urban services on a sustainable basis in Indian cities, the need of the hour is that urban local bodies enter into partnership agreements with foreign players, either through joint ventures, private sector partners or through other models. This background has cemented the idea of holding a national seminar on "The Role of Civil Engineers' in Make-In-India" on the eve of the ensuing Engineers Day Celebrations.

Convocation is an important event in the life of an institution and its graduates. The Convocations give a sense of identity, continuity across years and reaffirm the duty of each generation to transmit best of its knowledge, wisdom and culture to the next ones. Besides, it provides an opportunity to the graduates to ceremonially receive their degrees and merit credentials. So block your dairies for 15th September, 2015 to participate in the Engineers' Day and the 5th Convocation.

This newsletter serves the national and international engineering community through dissemination of scientific knowledge on practical engineering and design methodologies pertaining to civil, architectural engineering. Interesting articles are published with due credits to its contributors, for the academic use only. It covers all possible areas of latest research and developmental works in the field of infrastructure developments, waste management techniques etc. so that the researchers, scientists or professionals can easily motivate themselves to pursue the work.

I hope you enjoy this issue and look forward to your feedback and suggestions.

Prithipal Singh
Secretary General

AN INSIGHT INTO THE ROOTS OF FORMWORK FAILURE

Construction industry has the largest number of work related deaths than any other industry

American Concrete Institute (ACI) 347 states "Formwork failures can be attributed to human error, substandard materials and equipment, omission, and inadequacy in design. Careful supervision and continuous inspection of formwork during erection, concrete placement, and removal can prevent many accidents".

Roots of Failure

- (1) Uncontrolled acceleration of formwork removal or improper stripping.
- (2) Improper or inadequate shoring or re-shoring
- (3) Unstable shoring foundations.
- (4) Alignment of shoring, non-verticality of supports
- (5) Inadequate bracings, diagonals or X bracings
- (6) Lack of control of rate of Concrete placement
- (7) Vibration/shocks
- (8) Lack of attention to formwork details
- (9) Improper, or lack of design of formwork
- (10) Adequate slab thickness, Improper placement of reinforcement
- (11) Onsite modifications to formwork due to site conditions not addressed in the design
- (12) Inadequate strength of formwork

materials

- (13) Inadequate inspection, no architectural or engineering inspection done
- (14) Handling, Erection and Dismantling procedures
- (15) Overloading of the formwork during concrete pouring operations.

Mainly failures are due to faulty designs, faulty materials, and not following scheme drawings etc. Each year hundreds of men are seriously injured or killed

Case study

Tropicana Casino Parking Garage in Atlantic City, New Jersey (2003)

- The parking garage was a part of the Tropicana Casino and Resort expansion project
- Collapse resulted in the failure of five levels of an exterior bay
- The ten-story parking garage was designed as a reinforced concrete structure with shear walls and intermediate moment resisting frames to resist lateral loads.
- The 3,000 car parking garage was a part of an ongoing project

- The framing generally consisted of a one way slab spanning in the east-west direction, supported by continuous cast in place beams in the north-south direction



Major Causes

- (1) Improper placement of reinforcement

Omission of the reinforcing steel compromised the integrity of the structure. Misplace the required embedment Length of the welded wire mesh at the intersection of the exterior columns and the slab/beam as per structural details. Failed to detail, fabricate and place bottom reinforcing steel, as required by the structural contract drawings.

- (2) Inadequate inspection, No architectural or engineering inspection done

The collapse could have been averted if immediate attention of the contractor or construction manager or structural engineer in spite of workers brought in

- (3) Improper or inadequate shoring or re-shoring

Only one level was re-shored instead of the required three. Given the fact that cracks were earlier noticed at and around the exterior columns, the fewer levels of re-shores were highly detrimental to the integrity of the structure. This contributed to the collapse. Failed to re-shore and adequate number of floors, as required by the project specification, at the time concrete was being cast.

- (4) Lack of attention in detailing of formwork
Even when the basic formwork design is soundly conceived, small differences in assembly details may cause local weakness or overstress loading to form failure. Engineers not prepare shoring drawings for the area of the collapse.

*Source & credit: The Masterbuilder
March, 2015*

Strartjacket

Formula

to

Avoid

Accidents

WHAT DOES SUCCESS MEAN TO YOU ?

EVERYONE HAS A DIFFERENT DEFINITION OF SUCCESS. BUT HOW DO THE PROFESSIONALS AT THE TOP THE LADDER VIEW THEIR ACHIEVEMENTS?

Time was when the world had an immutable definition of success—a good family, enough income to run the home and some repute in society. These days, most of us measure our accomplishments against those of our peers, because that's what we witness closely. But truth be told, one man's success may be another man's mediocrity. And at the end of the day, it is as relative as what makes one happy and content.

When it comes to a conversation on success, it makes sense to ask the people who've already achieved it. So we asked a few CEOs and company heads to rate the following three aspects in order of importance, as measures of their success:

1. Money/possessions;
2. Titles/influence;
3. Friends/family/admirers.

Unanimously, all of them rated family and well-

wishers as top of their list and money at the bottom. Influence and the power to make a change were secondary for all of the five leaders we spoke to. It would seem that people do think alike, after all. One reasoning that we may apply is that money only matters in the initial stages of one's professional life. Later, when you have achieved all the basic needs of life, it is the love and support of the people around you that keep you going. But for Ambarish Dasgupta, partner and head, management consulting, KPMG in India, organizational success comes before individual success. "A CEO's success is often measured by his/her capability to have a clear point of view; his/her ability to be forward-thinking even though in some cases, it may conflict with the short-term goals; his/her ability to make himself/herself convincing and make his/her thoughts owned by his/her bigger team," he says.

A business leader will always see success differently from a professional at the lower rung of the ladder. Manoranjan Mohapatra, CEO, Mahindra Comviva's response demonstrates this fact, "It is imperative to be able to create business leaders within the enterprise. Stronger talent in turn increases your chance of greater shareholder value.

True demonstration of success lies in the creation of future leaders through clear career direction and guidance. Success for me is the credibility that I have built over time for my employees, customers, shareholders and stakeholders."

However, having personal benchmarks for success is vital to weathering the ups and downs that one's career and enterprise may go through. "Success, to me, is sustaining the ability to constantly evolve for the better. The ability to handle criticism and using it constructively to build your potentials gives mileage to your accomplishments. I measure my success based on the challenges I have overcome in my professional career and the opportunities that I have explored," avers Sushil Mantri, Chairman and MD, Mantri Developers Pvt Ltd.

Some would say that success is more a feeling than a quantifiable commodity. As Pradipta Sen-President India, Middle East & Africa at Emerson says, "Success is a sense and state of well-being. I feel successful when a customer thanks us for our extra effort, when an engineer in our team comes up with a new solution, or when everyone in a plant achieves 365 days of safety I feel successful every time we are chosen over others for providing a solution and thereby contributing to the well-

being of the world we live in."

This sentiment is echoed by Vikaas M Sachdeva, CEO-Edelweiss Asset Management Limited, "Success to me means the ability to change things for the better in whatever way one can. Admiration, titles and financial stability will follow. Alternatively, when you see the lives of people changing for the better around you, it makes you feel responsible for their success and therefore, yours." These insights from CEOs have a deep significance for professionals at any stage of the professional lifecycle. Rather than chasing plum packages alone, striving to find environments where one feels respected and valued, may be the key to a successful career.

*Source & credit: Times of India Newspaper
dt.8th April, 2015*

Cardinal Point Of Success

NEPAL EARTHQUAKE LESSONS INDIA NEEDS TO LEARN

Devastation in the wake of recent earthquake in neighbouring Nepal and its aftershocks felt across Northern India has shaken the Indian Public. The Indian subcontinent too has a history of devastating earth-quakes. The major reason for the high frequency and intensity of the earth-quakes is that the Indian plate is driving into Asia at a rate of approximately 47mm/year. Geographical statistics of India show that almost 54 per cent of the land is vulnerable to earthquakes.

More and more people are migrating to cities in India in search of jobs. Around 200 million city dwellers in India will be exposed to storms and earthquakes by 2050 as per World Bank and United Nations report. And this is an alarming figure. This will not only put at risk 200 million lives, but will also cause unimaginable damage to the infrastructure-Bridges, Roads, Mobile Towers, Refineries, and damage can be caused by fires that can be generated by breaks of electric poles and gas pipe lines.

Imagine the situation and it sends a chill down your spine. An earthquake of high magnitude in Delhi-NCR areas has the potential to turn Indian cities into rubble, will flatten skyscrapers and damage to and private houses built on small plots would be no exceptions.

Unfortunately this scare was not built overnight. The unauthorized construction in a haphazard manner is rampant to an extent that sending an ambulance to gutted colonies in Delhi is a night-mare: forget putting to rescue the fire tenders!! If an earthquake jolts the city-government buildings, schools and hospitals will suffer the same fate as happened in Gujarat in 2001- A Powerful Earthquake of magnitude 6.9 on Richter Scale rocked the Western Indian State of Gujarat on the 26th of January, 2001 devastating life and property.

Earthquake results in loss of lives followed by diseases and lack of basic amenities. In Delhi-NCR, there is rampant illegal construction with scant regard to safety parameters. Single storey unauthorized colonies come up overnight. And open green fields are turned into concrete jungle where lanes and by-lanes are so narrow, that four-wheelers can only move at a snail pace and that too in one direction.

Buildings few years back had asbestos sheets but today they are replaced by cemented roofs. If this was not enough, multiple floors are added by the younger generations of the family.

Building by-laws are violated with impunity. While adding floors, people often turn a blind eye to the fact that the foundation laid by their elders was meant for a single floor. Additional floors are built on the building by using the base pillar of the original single-storey structure. Owners of these properties usually employ small time contractors and inexperienced workers.

Considering that this kind of attitude and construction choices are rampant in Delhi, it will turn out to be a disaster for Delhi which lies in zone 4 if struck by an earthquake of magnitude 7 on the Richter scale: the devastation and loss of life one can only imagine.

In Delhi thousands of people living in unsafe dwellings are at risk as norms are being flouted with impunity. People have added floors that go up to fifth and sixth floors and poor construction material is used. To hoodwink the buyers and to over the poor quality of material used in such buildings, builders are using white marble on the stairs, in the rooms, designer tiles in the washrooms.

use black granite in kitchen. In these unauthorized colonies, high tension wires crisscrossing each other are a source of fire hazard.

Cantilever projections-beam and balcony are added to the structures without taking into consideration their load bearing capacity.

In certain areas buildings/ colonies have come on plots as small as 20sq yard and that too also do not have the minimum required gap of four feet on both sides of the plot. During earthquakes or floods, if building collapses, others close buildings too will be damaged. People in areas like Palam, Dabri, Mahipalpur and Masoodpur in Vasant Kunj have reduced the width of the interior walls to lessen the load on the beams and pillars. However such structures are not only weak and unsafe for habitat but are also prone to collapse during earthquakes.

Safety is also not a concern for most of the builders in Delhi and NCR. Private builders are offering luxurious apartments with salient features around Delhi in Noida, Ghaziabad, Faridabad, Gurgaon and Dwarka. All flats are three sides open; surrounded by landscape greens with children play court and outdoor gaming; swimming pool, gym, spa overlooking spectacular Golf Course facility etc. But what is missing in all the adds is that there is no mention whether these high rise buildings are earthquake resistant and can bear the brunt of an earthquake as per Zone 4 category in which the Indo-Gangetic basin and the capital of the country (Delhi), and Jammu and Kashmir fall.

Imagine this scenario, earthquake of high magnitude hit Delhi-NCR or other parts of India. It will be naive on our part not to expect hostile neighbours not to launch a war against India when our armed forces will be engaged in relief and rescue

operations. If reports are to be believed during cold war era, Russians had planned to carryout nuclear explosion under the sea to cause a massive earthquake in America. And Russia's plan was to attack US when it was busy in relief and rescue operations. But then in a city like Delhi, where people add floors and rooms flouting every norm to earn easy and quick money will not understand the gravity of the situation that has besieged our brothers and Sisters in Nepal. In the wake of this disaster, from future perspective, India too needs to take preventive steps to be able to handle such a tragedy effectively.

*Source & credit: Organiser
Vol.66, No.45, May10, 2015*

Creating Prudence to Safeguard

ADD TO YOUR VOCABULARY

- **Cavity Wall**
A wall built of hollow masonry units arranged to provide a continuous internal air space.
- **Ceiling Joist**
A horizontally placed framing member at the ceiling of the top-most living space of a house that provides a platform to which the finished ceiling material can be attached.
- **Certificate of Occupancy**
A document stating that a building is approved for occupancy. The building authority issues the Certificate of Occupancy.
- **Continuous Truss**
A truss having its chord and web members arranged to continue uninterrupted over one or more intermediate points of support.
- **Crown of Roadway**
The vertical dimension describing the total amount the surface is convexed or raised from gutter to centerline, this is sometimes termed the cross fall of roadway.
- **Diagonal Bracing**
Boards which are installed diagonally across the wall studs to keep the walls from racking or going out of square and to add strength to the structure. Each stud is cut where the bracing board will fit so that it is flush with the studs on the surface.
- **Diaphragm Wall**
A wall built transversely to the longitudinal centerline of a spandrel arch serving to tie together and reinforced the spandrel walls, together with providing support for the floor system in conjunction with the spandrel walls; also known as cross wall.
- **Effective Height**
The height of a member to be assumed for calculating the slenderness ratio.
- **Elbow**
Plumbing fitting, shaped like an elbow, which allows water to flow in a curve. Also referred to as an ell, it is designed to use with pipe, tubing, conduit, or duct and is available in 90 to 45 degrees.
- **Cribwork**
Large timber cells which are submerged full of concrete to make an underwater foundation.

OUR PARTNERS TO CONDUCT PRACTICALS & SUBMISSION OF PROJECT REPORTS

(AICTE approved Institutions In different States/Cities)

Andhra Pradesh	
1.	Chaitanya Engineering College Chaitanya Valley, Kommadi, Madhurawada, Visakhapatnam - 530041, Andhra Pradesh
2.	Koneru Lakshmaiah College of Engineering, Green Fields, Vaddeswaram, Guntur Distt.- 522502 Andhra Pradesh
3.	Kakatiya Institute of Technology & Science. Opp. Yerragattu Hillock, Vill-Bheemaram, Mandal-Hasanparthy, Warangal - 506015, Andhra Pradesh
4.	Sri Venkateswara College of Engineering & Technology, Chittor, Andhra Pradesh
5.	Chaitanya Bharathi Institute of Technology, Chaitanya Bharathi, P.O. Gandipet, Hyderabad - 500075, Andhra Pradesh
6.	Govt. Polytechnic, Masabtank, Hyderabad-28, Andhra Pradesh
7.	Rajeev Gandhi Memorial College of Engg. & Tech. N.H.-18, Kurnool District, Nandyal-518501, Andhra Pradesh
8.	Mumtaz College of Engg. & Technology Malakpet, Hyderabad- 36, Andhra Pradesh
9.	KLR College of Engg. & Tech. Khammam District, Paloncha Andhra Pradesh
10.	Nagole Institute of Technology & Science Kuntloor (V), Hayathnagar (M), Hyderabad, Ranga Reddy District-501505 Gveta, Hyderabad-501505, Andhra Pradesh
Assam	
1.	Assam Engineering College Jalukabari, Guawhati-781018, Assam
2.	Jorhat Engineering College, Government of Assam, Jorhat-785007, Assam
3.	Down Town Group of Institution Assam Down Towan University Sankar Madhab Path, Gandhi Nagar, Panikhaiti, Guwahati-781026, Assam
4.	Royal School of Engg & Technology Civil Engineering Department, Betkuchi, Guwahati-781035, Assam
5.	Nowgong Polytechnic, Panigaon, Nagaon-782001, Assam
6.	School of Engg. & Technology Kaziranga University, Koraikhowa, NH 37, Jorhat-785006, Assam
Bihar	
1.	RP Sharma Institute of Technology, Patna, RPS Complex, Bailey Road (West) Danapur Patna - 801503 Bihar
2.	Netaji Subhas Institute of Technology, Amhara, Bihta, Patna- 801118 Bihar

Chattisgarh	
1.	Ashoka Institute of Technology & Management, Gram-Torankata, Post-Somni, G.E. Road, Rajnandgaon-491441, Chhattisgarh
2.	Dignity College of Architecture NH-6, Anjora, Opposite Govt. Veterinary Hospital, Durg-491001, Chhattisgarh
Delhi	
1.	Chhotu Ram Rural Institute of Technology & Pharmacy, Kanjhawala, (Ghevra), Delhi-110081
Gujarat	
1.	L. D. College of Engineering, Government of Gujarat, Near Navranpura, Ahmedabad - 380015, Gujrat
2.	Government Engineering College Shamlaji Road, Modasa - 383315, Gujarat
3.	Sree Tapi Brahmcharyashram Sabha College of Diploma Engineering Opp. Spinning Mill, Varachha Road, Surat - 395006, Gujarat
4.	Sardar Vallabhbhai Patel Institute of Technology, PO. Box No. 22, District – Anand, Vasad-388306, Gujarat
Haryana	
1.	M.M. Engineering College, M.M. Group of Institutions, Mullana Distt. Ambala, Haryana
2.	Lingaya's Institute of Management & Technology Nachauli, Old Faridabad, Jasana Road, Faridabad - 121002, Haryana
3.	Haryana College of Technology & Management P.O.Box No.44 Ambala Road, Kaithal - 136027, Haryana
4.	Sat Kabir Institute of Technology & Management, Vill. Ladrawan, Teh. Bahadurgarh, Dist. Jhajjar, (Near Qutubgarh-Delhi Border), Haryana-124507
5.	NCR Polytechnic, Vill.-Kulasi, Bahadurgarh, Jhajjar, Haryana
6.	Delhi College of Technology & Management 77 Km Stone, NH-2, Gudhrana, Distt. Palwal Haryana-121105
7.	Lingaya's University Nachauli, Old Faridabad, Jasana Road, Faridabad-121002, Haryana
8.	NGF College of Engineering & Technology 71st K.M. N.H.-2, Delhi Mathura Highway (NCR), Palwal- 121102, Haryana
Jharkhand	
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2.	Cambridge Institute of Technology Tatisilwai, Ranchi-835103, Jharkhand
3.	Government Polytechnic Ranchi-834001, Jharkhand
4.	Mining Institute, P.O. – B. Polytechnic Dhanbad-828130 Jharkhand

Himachal Pradesh	
1.	MIT College of Engineering & Management Bani (Barsar) Distt. Hamirpur Himachal Pradesh-174384
2.	Baddi University of Engineering Science & Technology Makhnumajra, Nalagarh, District-Solan, Baddi Highway, Solan-173101, Himachal Pradesh
3.	Himachal Institute of Engineering and Technology Vidyanagar (Near Central University, Shahpur, District- Kangra-176223 Himachal Pradesh
4.	School of Architecture, APG Shimla University Shoghi- Mehli by Pass Road, Near Panthaghati, Shimla- 171009, Himachal Pradesh
Jammu & Kashmir	
1.	National Institute of Technology & Science, Indira Nagar, P.O. Miran Sahib, Jammu – 181001, Jammu & Kashmir
2.	Institute of Engineering & Computer Sciences, Purkhoo Camp, Domana, Jammu- 181001, Jammu & Kashmir
3.	Government College of Engineering & Technology, Old University Campus, Canal Road Jammu-180004, Jammu & Kashmir
4.	Royal Polytechnic College 55-Gogji Bagh, Srinagar-190001, Jammu & Kashmir
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Karnataka	
1.	Anjuman Engineering College Anjumanbad, P.O.Box No.24 Bhatkal – 581320 Karnataka
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Kerala	
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7.	NRI Institute of Technology & Management, Near Railway Bridge, Jhansi Road, Gwalior, Madhya Pradesh
8.	Truba Institute of Engineering & Information Technology, Karond Gandhi Nagar By Pass Road, Bhopa, Madhya Pradesh
9.	Sarder Patel College of Technology (Engg.) Sardar Patel Campus, Gyakhuri, Balaghat-481001, Madhya Pradesh
10.	Bapu Institute of Technology & Management Opp. Village Jaderua, N.H.3, A.B. Road, Morena- 746001, Madhya Pradesh
11.	Global Institute of Engineering & Science, Niwali Road, Gran-Chatli (Sendhwa) District-Barwani, Sendhwa, Madhya Pradesh
Maharashtra	
1.	Pravara Rural Engineering College, Loni, A/P. Loni-413736, Tal. Rahata, Dist. Ahmednagar, Maharashtra
2.	Mahatma Gandhi Missions, Jawaharlal Nehru Engineering College, N-6, CIDCO, Aurangabad – 431003 Maharashtra
3.	G.H. Rasoni College of Engineering, CRPF Gate No. 3, Hingna Road, Digdoh Hills, Nagpur – 440016, Maharashtra
4.	Kavikulguru Institute of Technology and Science, Ramtek – 441 106, Nagpur, Maharashtra
5.	Bharati Vidyapeeth University College of Engineering, Pune-Satara Road, Dhankawadi Pune - 411043 , Maharashtra
6.	Aurangabad College of Engineering Gut No. 52, Tuljapur Shivar, (Savangi) Jalgaon Road, Aurangabad-431008 Maharashtra
7.	Trimurti Institute of Technology (Polytechnic) S. No. 227/2, Paldhi Bk., Next to North Maharashtra University, Tal. Dharangaon Dist. Jalgaon- 425103, Maharashtra
Odisha	
1.	Dhaneshwar Rath Institute of Engineering & Management Studies, (Diploma Wing), Kairapari, Kotsahi (Tangi), Cuttack – 754022, Orissa
2.	Krupajal Engineering School Prasanti Vihar, Pubasason, Kausalya Ganga Bhubaneswar – 751002 Orissa
3.	KIIT University, AT/PO. : KIIT, Bhubaneswar – 751024, Orissa
4.	Black Diamond College of Engineering & Technology, Jharsuguda (BDCET) At : Balijori, L & T Dhutra Road, Jharsuguda, Orissa-768202
5.	Sanjay Memorial Institute of Technology, Chandipadar, Via : Bhattakumarada, Berhampur, Dist.-Ganjam-761003 , Orissa
6.	Gopal Krishna College of Engineering & Technology, I.E.M., Gourahari Vihar, P.O.-Raniput, Jeypore, Koraput, Odisha-764005
7.	Orissa Engineering College, Nabajyoti Vihar, Nijigarh Kurki, P.O.-Harirajpur, Jatni, Bhubaneswar-752050, Orissa
8.	Suddhananda Engineering & Research Centre, At-Nachhipur, P.O. : Bhatapatana, Bhubaneswar, Dist : Khurda, Orissa -752115
9.	Raja Kishore Chandra Academy of Technology (Polytechnic), At/Po : Nilgiri, Dist : Balasore, Balasore-756040, Orissa

10.	Suddhananda Residential Polytechnic At – Nachhipur, PO-Bhatapatana, Dist. Khurda-751012, Bhubaneswar
11.	SGI School of Architecture At-Nachhipur, Po-Bhatapatana, Dist-Khurda- 752115, Orissa
Punjab	
1.	Lovely Institute of Technology (Architecture), Jalandhar-Ludhiana, G.T.Road, Near Chehru Railway Bridge, Phagwara, Kapurthala-144402, Punjab
2.	Desh Bhagat Engineering College, Amloh Road, Mandi Gobingarh, Punjab
3.	Guru Nanak Dev Engineering College, Gill Road, Ludhiana, Punjab
4.	Institution of Engineering & Technology Bhaddal, Ropar, Punjab
Rajasthan	
1.	Sri Balaji College of Engineering & Technology, Benad Road (Dadi Ka Phatak), Jaipur – 302013, Rajasthan
2.	College of Engineering and Technology, Bikaner, Kani Industrial Area, Pugal Road, Bikaner-334005, Rajasthan
3.	Aayojan School of Architecture ISI-4, RIICO Institutional Block Sitapura, Goner Road Jaipur-302022 ,Rajasthan
4.	Aryabhatta College of Engineering and Research Centre Ajmer- 305001 Rajasthan
5.	Saraf Institute of Engineering & Technology Tibbi Road- Extension, Hanumangarh Town Rajasthan-335513
6.	Siddhi Vinayak Engineering & Management College E-I, B-1, M.1.A., Institution Area Alwar-301001 Rajasthan
7.	SLBS Polytechnic College NH-112, Jodhpur-Jai0pur Highway, Dangiawas, Jodhpur-342027, Rajasthan
8.	SLBS Engineering College NH-112, Jodhpur-Jaipur Highway, Dangiawas, Jodhpur-342027, Rajasthan
9.	Laxmi Devi Institute of Engineering & Technology Alwar-Tijara-Delhi Highway, Chikaani, Alwar- 301028, Rajasthan
Tamil Nadu	
1.	Apollo Priyadarshanam Institute of Technology Panruti, Sriperumbudur Taluk, Kancheepuram District, Chennai-631604, Tamil Nadu
Uttrakhand	
1.	Dehradun Institute of Technology, Mussoorie-Diversion Road, P.O. – Bhagwantpur, Dehradun, Uttrakhand
2.	Drona's College of Management & Technical Education Opposite Rajpur, Bypass, Sahastradhara Road, PO : Gujarada Dehradun-248001 Uttrakhand
Uttar Pradesh	
1.	Bundelkhand Institute of Engineering & Technology, Kanpur Road, Jhansi – 284128, Uttar Pradesh
2.	Radha Govind Engineering College, Anuyogipuram ,Near Medical College Garh Road, Meerut – 250004, Uttar Pradesh
3.	Gandhi Polytechnic, Muzaffarnagar, Uttar Pradesh

4.	Hewett Polytechnic, Lucknow, Mahanagar, Lucknow, Uttar Pradesh
5.	Lucknow Polytechnic Lucknow, Abhyantrik Upnivesh, Krishna Nagar, Kanpur Road, Lucknow Uttar Pradesh
6.	Sevdie Institute of Management & Technology, (S.I.M.T), Chinhat Deva Road, Lucknow, Uttar Pradesh
7.	North India Institute of Technology 7 th km Bundki Road, Najibabad Dist. Bijnor, Bijnor-246763 Uttar Pradesh
8.	Devprayag Institute of Technical Studies Devprayag Technical Campus, Phaphamau, Allahabad, Uttar Pradesh
9.	Jaswant Singh Bhadauria Institute of Technology Kosi Khurd Bharatpur Road Mathura- 281005, Uttar Pradesh
10.	Sunderdeep College of Architecture NH-24, Sunder Deep Nagar Delhi-Hapur Road Dasna Ghaziabad-201001 Uttar Pradesh
11.	Goel Institute of Technology & Management Lucknow –Faizabad Road, Near Indira Canal Lucknow-227105 Uttar Pradesh
12.	M G Institute of Management & Technology 8 th Km. Mile Stone from Amausi Airport, Lucknow-Kanpur Highway, Banthara, Lucknow-227101 Uttar Pradesh
13.	Institute of Engineering & Rural Technology , Allahabad, 26, Chaitham Lines, Allahabad-211002, Uttar Pradesh
14.	Hanswahini Institute of Science & Technology (Polytechnic) Mahuari Chakia (Near ITI Company), Post-Nibi, Nainin, Allahabad- 211008, Uttar Pradesh
15.	Dreams College of Polytechnic 5 th Km Milestone, Janta Road, Saharanpur- 247001, Uttar Pradesh
16.	Shanti Niketan Group of Institutions NCR Knowledge City, Goon-Gejha Road, Mohiuddinpur, Meerut- 201205, Uttar Pradesh
17.	Dev Bhoomi Group of Institutions Dabki Road, Village-Beri Jama, Post-Baliyakheri, Distt-Saharanpur, Saharanpur- 247001, Uttar Pradesh
West Bengal	
1.	North Calcutta Polytechnic, 15, G.M. Lane, Kolkata-700002, West Bengal
2.	Camellia School of Engineering & Technology, Nadibhag, P.O.-Kajipara, Barasat, Kolkata-700124, West Bengal
3.	JIS College of Engineering, Block "A" Phase-III, Kalyani, Nadia, West Bengal-741235
4.	Rajmati Prichand Bothra Memorial Jiaganj College of Engineering & Technology (RPBM) At - Hatibhjan, PO. Jiagan, Dist. – Murshidabad-742123, West Bengal
5.	Narula Institute of Technology 81, Nilgunj Road, Agarpara, Kolkata-700109 West Bengal
6.	Sanaka Educational Trust's Group of Institutions B-150, Columbia Street, Bidhan Nagar, P.O. Malandighi, P.S. Kanksa, Burdwan Durgapur-713212
7.	The New Horizons Institute of Technology Phase-II, City Centre, South G.T. Road Durgapur-713208, District.- Burdwan, West Bengal.
8.	Ideal Institute of Engineering Kalyani Shilpanchal, P.O. & P.S. – Kalyani Dist.- Nadia West Bengal-741235

9. IMPS College of Engineering & Technology
Malda Nityanandapur, P.O- Chandipur (Kajigram),Malda-732103,West Bengal

ABSTRACT

Sl.No.	State	No. of MoUs
1.	Andhra Pradesh	10
2.	Assam	6
3.	Bihar	2
4.	Chhattisgarh	2
5.	Delhi	1
6.	Gujarat	4
7.	Haryana	8
8.	Himachal Pradesh	4
9.	Jammu and Kashmir	5
10.	Jharkhand	4
11.	Karnataka	2
12.	Kerala	4
13.	Madhya Pradesh	11
14.	Maharashtra	7
15.	Odisha	11
16.	Punjab	4
17.	Rajasthan	9
18.	Tamil Nadu	1
19.	Uttarakhand	2
20.	Uttar Pradesh	17
21.	West Bengal	9
	Total	123

Professional Vistas

<ul style="list-style-type: none"> • Recognition by Govt. of India, Ministry of Human Resource Development, Department of Higher Education vide Gazette Notification No. F.24/1/2007-TS.III Dated 06.11.2007.
<ul style="list-style-type: none"> • Recognition by Association of Indian Universities (AIU) vide letter No. EV/III (366)/2008/71 Dated 11.04.2008.
<ul style="list-style-type: none"> • Recognition by All India Council for Technical Education (AICTE) vide letter No. Eqvi./AB/Gen.Corr./2008-09 Dated 16.09.2008.
<ul style="list-style-type: none"> • Recognition by Union Public Service Commission (UPSC) vide letter No. F.2/1/2007-EIB Dated 30.06.2009.
<ul style="list-style-type: none"> • Recognition for GATE by National Coordinating Board-Gate, Deptt. of Education, MHRD, Gol.
<ul style="list-style-type: none"> • Recognition by Government of Goa vide letter No.12/11/87-PER/Vol.II Dated 06.03.2008.
<ul style="list-style-type: none"> • Recognition by Directorate of Technical Education, Haryana vide letter No.351-53/Dev. Dated 13.06.2008.
<ul style="list-style-type: none"> • Recognition by Government of Kerala vide letter No.3946/GI/08/H. Edn Dated 08.07.2008
<ul style="list-style-type: none"> • Recognition by RITES Limited vide letter No. RITES/RI/RCED/Misc/2008 Dated 14.07.2008.
<ul style="list-style-type: none"> • Recognition by Delhi Development Authority (DDA) vide letter No.F.7(98)2008/PBI/2399 Dated. 20.08.2008.
<ul style="list-style-type: none"> • Recognition by Government of Meghalaya vide letter No. FDN.156/2001/249-A Dated 21.08.2008.
<ul style="list-style-type: none"> • Recognition by IRCON INTERNATIONAL LIMITED vide letter No. IRCON/HRM/31/28/728 Dated 01.09.2008.
<ul style="list-style-type: none"> • Recognition by Directorate General Border Roads vide letter No. 13616/Gen/Rect /DGBR/97/E1A Dated 21.10.2008.

<ul style="list-style-type: none"> • Recognition by Government of National Capital Territory of Delhi vide letter No.1(1)/2008-DD/SB/1520/5609 Dated 29.10.2008.
<ul style="list-style-type: none"> • Recognition by Shapoorji Pallonji & Co. Ltd. vide letter No. Nil Dated 30.10.2008.
<ul style="list-style-type: none"> • Recognition by Government of Andhra Pradesh vide letter No. 10232/EC.2/2008-02 Dated 05.11.2008.
<ul style="list-style-type: none"> • Recognition by Administration of Daman & Diu (UT) vide letter No. 10.2 (PART-IV) EST-GP/2008-09/797 Dated 11.11.2008.
<ul style="list-style-type: none"> • Recognition by CPWD- Central Public Works Department, Government of India vide letter No.A-12021/1/2006-EC VI/74-75 Dated 19.01.2009.
<ul style="list-style-type: none"> • Recognition by Visvesvaraya Technological University, Karnataka vide letter No. VTU/Aca/OS-GC/2009-10/2118 Dated 04.06.2009
<ul style="list-style-type: none"> • Recognition by Government of Nagaland vide letter No. IT/10-1/04 Dated 30.07.2009
<ul style="list-style-type: none"> • Recognition by Government of Uttarakhand, PWD, Pauri Garhwal vide letter No.1011/20(15) E.A.-Parv./09-10 Dated 06.09.2009.
<ul style="list-style-type: none"> • Recognition by Government of Chhattisgarh, Department of Technical Education, Manpower Planning, Science & Technology, Mantralaya, D.K.S Bhavan, Raipur vide letter No.F-14/07/42 Dated 11.05.2010.
<ul style="list-style-type: none"> • Recognition by Government of Punjab, Technical Education and Industrial Training, Punjab Chandigarh. vide letter No.1362 Dated 24.06.2010.
<ul style="list-style-type: none"> • Rural Electrification Corporation Limited (A Government of India Enterprises) vide letter No. REC/ED(HR)/Trg./2010-11/ Dated 10.08.2010
<ul style="list-style-type: none"> • Cement Corporation of India Ltd. (A Government of India Enterprises) vide letter No. PD/HRD/6/6/2010/6119 Dated 12.08.2010

<ul style="list-style-type: none"> • Recognition by Delhi Metro Rail Corporation Ltd. vide letter No DMRC/O&M/HR/2010 Dated 20.08.2010 	<ul style="list-style-type: none"> • Recognition by All India Management Association (AIMA) Vide No. MAT/M-14 Dated 18.12.2013
<ul style="list-style-type: none"> • Recognition by Oil and Natural Gas Corporation Ltd. Rectt. Section, Tel Bhawan, Dehradun vide letter No. 7(2)/PR-Rectt./2010 Dated 26.08.2010 	<ul style="list-style-type: none"> • Recognition by Jawaharlal Nehru Technological University, Hyderabad Vide No. MAT/M-14 Dated 18.12.20A1/1640/2014 Dated 07.01.2014
<ul style="list-style-type: none"> • Recognition by Anna University Chennai, Chennai-600025 vide letter No.2664?AU/DD1-DAC/2011/F21 Dated 07.01.2011 	<ul style="list-style-type: none"> • Recognition by NHPC Limited Vide letter No.NH/HR/Rectt./060/Int.Ind./2014/308 Dated 17.07.2014
<ul style="list-style-type: none"> • Recognition by Government of West Bengal, Directorate of Technical Education & Training, Kolkata vide letter No.728 TET Dated 28.03.2011 	<ul style="list-style-type: none"> • Recognition by Instrumentation Limited Vide letter No. IL/CPD/Rectt-73/2014-15 Dated 18.07.2014
<ul style="list-style-type: none"> • Recognition by Government of Karnataka Vide Govt. order No. ED 21 UTV 2012 Dated 09.03.2012 	<ul style="list-style-type: none"> • Recognition by Rajasthan Technical University Vide website Notification dated 07.07.2014
<ul style="list-style-type: none"> • Recognition by State Board of Technical Education and Training, Andhra Pradesh, Hyderabad Vide letter No. No. Lr.No.SBTEL/B5-775/596/EQUI/2012 Dated 02/04/2013 	<ul style="list-style-type: none"> • Recognition by XAT Vide Fax dated 14.11.2014
<ul style="list-style-type: none"> • Recognition by Maharshi Dayanand University Rohtak Vide letter No. AC-3/2013/F-207/4085-98 Dated 26.04.2013 	<ul style="list-style-type: none"> • Recognition by University of Mumbai Vide letter No. Elg/2331 of 2014 dated 26.11.2014
<ul style="list-style-type: none"> • Recognition by Andhra Pradesh Public Service Commission Vide letter No.1549/RN/2012 dated 29.04.2013 	<ul style="list-style-type: none"> • Recognition by Army Vide letter No.B/60202/ RTG UES dated 28.11.2014
<ul style="list-style-type: none"> • Recognition by CAT Vide e- mail Dated 23.07.2013 	<ul style="list-style-type: none"> • Recognition by Mahatma Gandhi University, Kerala Vide letter No. AcD/02/4092/2014 dated 2.12.2014
<ul style="list-style-type: none"> • Recognition by Birla Institute of Technology, Mesra Ranchi-835215 Vide letter no. GO/ICE(I)/13-14/3781 Dated 05.08.2013 	<ul style="list-style-type: none"> • Recognition by Assam Don Bosco University, Assam Vide letter No. DBU/SM/33/15-01 dated 3rd March,2015
<ul style="list-style-type: none"> • Recognition by Public Service Commission, West Bengal Vide No. 101PSC(S&R)/2M-1/09(S&R)(Pt) Dated 07.08.2013 	
<ul style="list-style-type: none"> • Karnataka Public Service Commission Vide No. R(i)484/13-1 Dated 30.09.2013 	
<ul style="list-style-type: none"> • The Institution of Engineers (India) Vide No. EEA/ACC/3179/A KG Dated 11.11.2013 	
<ul style="list-style-type: none"> • Meghalaya Public Service Commission Vide No. MPSC/E-27/2011-2012/85 Dated 15.11.2013 	

**An
Ever
Expanding
List
Of
Recognition
Of
ICE(I)
Examinations**

[TO BE PUBLISHED IN PART-1 SECTION -I OF GAZATTE OF INDIA]

Government of India
Ministry of Human Resource Development
Department of Higher Education

Shastri Bhawan, New Delhi,
the 6th November, 2007

NOTIFICATION

No.F.24 – 1 / 2007 – TS.III. On the recommendations of the High Level Committee for recognition of Educational Qualifications in its meeting held on 22nd May 2007, the Government of India has decided to give recognition to the Section A & B of Associate Membership course, equivalent to Degree and Part – I & II of Technician Engineers (T) equivalent to Diploma in Civil Engineering and Architecture Engineering Courses conducted by the Institution of Civil Engineers (India), Ludhiana (Punjab) as per syllabus approved by All India Council for Technical Education (AICTE) w.e.f. the academic session 2007 – 2008 for the purpose of employment to the posts and services under Central Government in the appropriate field. It is subject to the conditions that the total number of candidates who can be admitted for the said examination would not exceed the authorized strength of the concerned Institutions with which Institution of Civil Engineers (India), Ludhiana (Punjab) has entered into Memorandum of Understanding (MOUs). A review in respect of recognition of educational qualifications shall be made by Ministry of Human Resource Development after one year through All India Council for Technical Education (AICTE).

(RAVI MATHUR)
Joint Secretary to the Government of India
Tel: 2338 1097

To

The Manager,
Government of India Press,
Faridabad.

..contd./-

(भारत के राजपत्र के भाग-1 खण्ड-1 में प्रकाशन के लिए)

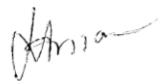
भारत सरकार
मानव संसाधन विकास मंत्रालय
उच्चतर शिक्षा विभाग

शास्त्री भवन, नई दिल्ली

6 नवम्बर, 2007

अधिसूचना

सं.एफ. 24-1/2007-टी.एस.।।। शैक्षणिक योग्यताओं को मान्यता प्रदान करने के लिए उच्च स्तरीय समिति की दिनांक 22 मई, 2007 की बैठक में की गई सिफारिशों के आधार पर भारत सरकार ने उपर्युक्त क्षेत्र में केन्द्रीय सरकार की सेवाओं तथा पदों पर रोजगार देने के उद्देश्य से शैक्षणिक सत्र, 2007-08 से सिविल इंजीनियरी संस्थान (भारत), लुधियाना (पंजाब) के अखिल भारतीय तकनीकी शिक्षा परिषद द्वारा अनुमोदित पाठ्यचर्या अनुसार संचालित सिविल इंजीनियरी और वास्तुकला इंजीनियरी पाठ्यक्रमों में एसोशिएट सदस्यता पाठ्यक्रम की धारा (क) और (ख) को डिग्री के समकक्ष और तकनीकी इंजीनियरों (त) के भाग 1 और 11 को डिप्लोमा के समकक्ष मान्यता प्रदान करने का निर्णय लिया है। यह मान्यता इस शर्त के अधीन होगा कि अभ्यर्थियों की कुल संख्या उक्त परीक्षा के लिए सम्बन्धित संस्थान की अधिकृत दाखिला क्षमता से अधिक नहीं हो जिसके साथ सिविल इंजीनियरी संस्थान (भारत), लुधियाना (पंजाब) ने संगम ज्ञापन किया है। मानव संसाधन विकास मंत्रालय एक वर्ष के बाद अखिल भारतीय तकनीकी शिक्षा परिषद के माध्यम से शैक्षणिक योग्यताओं की मान्यता की पुनरीक्षा करेगा।


(रवि माथुर)

संयुक्त सचिव, भारत सरकार
दूरभाष: 23381097

सेवा में,
प्रबंधक
भारत सरकार प्रैस
फरीदाबाद।

Please visit ICE(I) Notification At MHRD Website :
www.education.nic.in/Tech/Recoeduqualfs.pdf

SNIPPETS

APRIL - 2015

FOUNDATION DAY CEREMONY OF ENGINEERING COUNCIL OF INDIA ON 6TH APRIL 2015

On completion of 13 years of service to the Indian Engineering Profession, Engineering Council of India celebrated its Foundation Day at The India International Centre, New Delhi on 6th April, 2015. On this occasion the Eminent Engineer Awards 2015 were also given in recognition of significant contribution to the engineering profession to:-

Dr. Baba N Kalyani, Chairman & Managing Director, Bharat Forge Ltd (Industry Category).

Dr. Anil Kakodkar, Chairman, Solar Energy Research Advisory Council, JNNISM and Former Chairman, Atomic Energy Commission and Secretary to the Government of India Department of Atomic Energy (DAE), Government of India (Research and Consultancy Category)

The Programme was well attended by galaxy of professional bodies of engineers from all over the country. ICE(I) was also represented at the above ceremony.

CONFERENCE ON SKILLING INDIA FOR GLOBAL COMPETITIVENESS ON 17TH APRIL, 2015

To Reinforce Skill Development as a key thrust area PHD Chamber of Commerce & Industry organized the conference with the rationale to provide a forum on the concept of Making India a Skill Capital of the World. Hon'ble Shri M. Hamid Ansari, Vice-President of India was the Chief Guest. It was well attended by HR fraternity, Deans and Directors from Higher Education Institutes, School Principal/Promoters, Skill knowledge Providers and Industry Representative besides Senior Government Officials. ICE(I) was also represented.

8th ASSOCHAM EDUCATION SUMMIT ON 18th APRIL, 2015

With a view to the holistic and integrated approach taken by Government of India in structuring the National Higher Education Policy 2015 with new steps and initiatives taken to strengthen quality in the existing Institutions and Universities. A day long summit was organized by ASSOCHAM in collaboration with Department of Higher Education, MHRD, Government of India and AIU. The programme was inaugurated by Prof. (Dr.) Ram Shankar Katheria, Minister of State for Human Resource Development, Government of India, (Higher Education). It was well attended by the galaxy of eminent Chancellors, Vice-Chancellors, Directors and Senior Government functionaries. ICE(I) was also represented at the event.

M A Y - 2015**BW 2ND INDIA EDUCATION SUMMIT
EDUCATION REFORMS : NEW DIRECTION, NEW PERSPECTIVE**

Education in India plays a crucial role in the realisation of India's extraordinary potential and aspirations for economic development of the country. The time is very opportune for India to make its transition to the knowledge economy – an economy that creates, disseminates, and uses knowledge to enhance its growth and development.

Businessworld recognized the need of the hour in the education sector and felt that the country has a huge untapped reservoir of brilliant minds that are just waiting for the right opportunity to shine. It seek to do this by mapping and connecting all relevant stakeholders and partners in India's vision of 'Education to All' by including ideas and opinion from government, industry, domain experts and citizens alike, while highlighting best practices. ICE(I) was represented at the Summit on 28th May,2015 at New Delhi.

J U N E - 2015**ET-NBCC NATIONAL CONSTRUCTION CONCLAVE ON 23RD JUNE, 2015**

ET-NBCC National Construction Conclave was held on 23rd June, 2015 at Scope Auditorium, SCOPE Complex 7, Lodhi Road, New Delhi. The inaugural address of the Conclave was delivered by Sh. M. Venkaiah Naidu, Union Minister, MoUD. Dr. A.P.J. Abdul Kalam, Former President of India delivered the key note address in which he advocated low cost mass housing technology. The Conclave had two Technical Sessions devoted to – Housing for all by 2022-Re-Development/Re-Densification and Waste to Wealth-Waste Management and ICE(I) was represented at the Conclave.

ICE(I) CONDUCTS SUMMER-2015 EXAMINATIONS

ICE(I) conducted Summer-2015 Examinations in around 40 Examination centers from 1st June, 2015 to 6th June, 2015

Alumni.....A Lifelong Relationship ! Keep it alive!

Alumni Engagement is at the core of the Institution of Civil Engineers (India). Keeping this in mind, the institution has worked towards building a strong alumni community and will continue to work in this direction.

“Alumni are the true brand ambassadors of their Alma Mater and represent it everywhere they go. They truly reflect the values of the institution from which they have graduated.

In order to actively engage our alumni, The Institution of Civil Engineers (India) encourages alumni participation to bring them together by providing a forum for meeting and exchange of views, to facilitate professional networking for mutual benefit and to contribute to the Institution’s efforts for achieving excellence in academics and research through sharing knowledge and expertise of its members in areas pertaining to academics, infrastructure, industry interactions and others, if any.

The Alumni are also invited for seminars, conferences, advancement programs etc. to enhance their learning’s which they can further use in their own respective work areas.

Keep reading this column for more news and updates on our Alumni.....!!.

The Members, who have not yet enrolled, may get in touch with us on icei.alumni@gmail.com or at Delhi Office.

Secretary General



The Institution of Civil Engineers (India)

Regd. Office: 'Career House' Bindra Complex, Model Town, Ludhiana (Punjab),
Delhi office: 'Career House' 4, East Park Road, (Near New Rohtak Road), Karol Bagh, New Delhi-110005
Email: info@ice.net.in Website: www.ice.net.in

ALUMNI MEMBERSHIP FORM

1. Name : _____
2. Father's Name : _____
3. Course Completed from : Course : _____
ICE(I) with details Membership No. : _____
Roll No. : _____
Session of Passing : _____
4. Contact details : e-mail id : _____
Telephone Nos. : Office : _____
Residence : _____
Mobile : _____
5. Present Occupation with : _____
Designation & Office Address
6. Correspondence Address : Residence: _____

7. Any special Achievement / : _____
Awards _____

Dated.....

Signature of the Member



The Institution of Civil Engineers (India)

(A Govt. of India Recognized Degree Level Institution)

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