



**Engineering Council of India**

***15th National Conference***

**on**

**“Preparing Engineers/Technologists  
for Role in Industry”**

**Friday, November 10, 2017**

***Principal Supporting Organisation :***



**All India Council for Technical Education (AICTE)**

***Venue :***

Auditorium  
AICTE,  
JNU Campus, Nelson Mandela Marg  
Vasant Kunj, New Delhi-110067

**Engineering Council of India**  
*in association with*  
**Member Associations**

## **Introduction**

For accelerated economic growth, massive investments are needed in all sectors. Industry and corporates will require engineers/technologists in large numbers. As several studies have shown, most of the engineers/technologists passing out from technical institutions do not have practical skills to take up jobs in industry and require pre-job training. Many companies have to deploy large amount of funds, time and internal resources in locating, recruiting, training and in trying to retain talent in the absence of availability of 'industry ready' manpower directly from academic institutions in adequate numbers and quality.

All India Council for Technical Education (AICTE) has recently decided that, starting from 2017-18, the engineering students should undergo internship training before taking up jobs, in a manner somewhat similar to medical graduates, so that they can gain practical skills and experience and suitably fit in the desired roles in industry. For this purpose, a major initiative has been taken by AICTE by partnering with Engineering Council of India (ECI) in this regard so that the quality of graduates could be enhanced and thereby their employability. ECI & AICTE have entered into an MoU, for providing "Internship" to the students in all disciplines of technical education to enable them to become employable. ECI shall be facilitating hands-on training/internship for these graduates through its member associations, in their respective stream of engineering.

For those engineers/technologists who are already employed, it is important that they undergo Continued Professional Development (CPD) so as to upgrade their knowledge and skills and prepare themselves for required role in the industry. This is necessary in view of rapid technological advancements in all spheres of engineering activities.

## **Objectives**

Preparing engineers/technologists for their future role in industry is a massive task which requires working together of industry, academia and professional associations of engineers. The main objective of the Conference is to deliberate the requirements of the industry for engineering manpower and how these can be met. For this purpose, large scale internship training will have to be organized for fresh engineers coming out of institutions and Continued Professional Development for those engineers/technologists who are already employed. The Conference will deliberate on the role which needs to be played by all the three bodies concerned-industry, academia and professional associations. Additionally, there may be need for some role to be played by the concerned government agencies. Both AICTE and ECI (together with its member associations) will look forward to innovative ideas in these deliberations to carry out this task of 'internship training' effectively and efficiently so as to meet the requirements of industry.

## **Proposed Topics for Discussion**

The main theme may be subdivided into sub-themes dealing with different aspects of preparing engineers for role in industry, such as identification of specific challenges, skills to be developed to remove deficiencies and mismatch, reform of engineering education for orienting it to needs of the industry. The papers may be from industry stalwarts, practitioners, academicians & research scholars, government officials and members of the professional associations of engineers and technologists.

## Tentative Programme

0900-0930	Registration
0930-1030	Opening Session
1030-1100	Coffee/Tea
1100-1300	Technical Session I - Industry's requirements for skilled engineers
1300-1400	Lunch
1400-1530	Technical Session II - Role of Academia in preparing engineers for Industry
1530-1600	Coffee/Tea
1600-1700	Technical Session III - Framework for internship to meet Industry needs

## Venue

Auditorium, All India Council for Technical Education (AICTE), JNU Campus, Nelson Mandela Marg, Vasant Kunj, New Delhi - 110067

## Participants

The Conference would be beneficial to engineers and technologists working at different levels in industry, central and state public sector enterprises, private sector companies, government and defence organizations, power, transport and other utilities, research and development organizations, consultancy organizations, and academia.

## Participation Fee\* (per delegate)

Rs. 5000/-	Companies/Government - 20% discount for 2 or more delegates from same organization
Rs. 3000/-	Academic/ training institutions.
Rs. 1000/-	Students

\* The GST @ 18% will be additional.

## Registration

Nominations may please be sent giving full particulars (Name, Organization, Designation, Address, Phone No, Mobile No, Fax No, E-mail address, etc.) along with the participation fee as applicable by DD/Cheque made payable to the Engineering Council of India at new Delhi latest by October 30, 2017 to the following address :

### Deepak Singhal

Sr. Administrative Officer

### Engineering Council of India

1304 (13th Floor), Hemkunt Chambers, 89, Nehru Place, New Delhi-110019

Phone : 011-41783281, 2628 3282, 2628 3281, Fax : 011-26283283

E-mail : eci@ecindia.org, singhald@gmail.com, dir@ecindia.org,

Website : www.ecindia.org

## ENGINEERING COUNCIL OF INDIA

ECI was established on April 4, 2002, by coming together of a large number of Professional Organizations Institutions of engineers, to work for the advancement of engineering profession in various disciplines, for enhancing the image of engineers in society, by focusing on quality and accountability of engineers and to enable the recognition of expertise of Indian engineers and their mobility at international level in the emerging WTO/GATS environment. It has emerged as a common voice of its member organizations.

### Objectives

The main objectives of ECI are to work for the advancement of engineering profession in various disciplines and for enhancing the image of engineers in the society. To this end, ECI is focusing on quality and accountability of engineers, regulation through a statutory body, professionalization and their mobility for delivering quality engineering services in India and other countries.

### Board of Governors

<b>Chairman</b>	: <b>Dr. Uddesh Kohli</b>
<b>Vice Chairman</b>	: <b>Shri Mahendra Raj</b> , Indian Association of Structural Engineers
<b>Treasurer</b>	: <b>Dr. Chander Verma</b> , International Council of Consultant
<b>Member Secretary</b>	: <b>Dr. P. R. Swarup</b> , Construction Industry Development Council

### Members :

- **Prof. M. P. Poonia**, All India Council for Technical Education
- **Shri S. Ratnavel**, Association of Consulting Civil Engineers (India)
- **Shri S. C. Mehrotra**, Consulting Engineers Association of India
- **Dr A. Basu**, Computer Society of India
- **Shri Bhupinder S. Bhalla**, Department of Commerce, GoI
- **Shri Girish Sahni**, Deptt. of Scientific and Industrial Research, GoI
- **Dr. Rajeev Goel**, Indian Concrete Institute
- **Prof. V. K. Srivastava**, Indian Institute of Chemical Engineers
- **Lt. Gen. S. K. Shrivastava**, Indian Institution of Bridge Engineers (DSC)
- **Shri J. S. Saluja**, Indian Institution of Plant Engineers
- **Prof. Indra Mani Mishra**, Indian Society of Agricultural Engineers
- **Prof. Prem Krishna**, Indian National Academy of Engineers
- **Prof. Niranjana Swarup**, Indian Society for Trenchless Technology
- **Shri Deepak Gupta**, Mining Engineers' Association of India
- **Ms. Anna Roy**, NITI Aayog, GoI
- **Shri Deepak Mathur**, The Institute of Electrical and Electronics Engineers. Inc.
- **Shri Raghavan Ramanujam**, The Institute of Marine Engineers (India)
- **Shri Dileep K. Nair**, The Automobile Society (India)
- **Dr. S. L. Swamy**, The Institution of Civil Engineers (India)
- **Lt. Gen. (Dr.) A. K. S. Chandele**, PVSM, AVSM (Retd.), The Institution of Electronics and Telecommunications Engineers
- **Dr. Kartic Chandra Sahoo**, The Council of Engineering & Technology (India)
- **Shri B. R. Jain**, Director, ECI

### Member Associations

The present members are :

1. Association of Consulting Civil Engineers (India)
2. Broadcast Engineering Society (India)
3. Computer Society of India
4. Construction Industry Development Council
5. Consultancy Development Centre
6. Consulting Engineers Association of India
7. Indian Association of Structural Engineers
8. Indian Buildings Congress
9. Indian Concrete Institute
10. Indian Geotechnical Society
11. Indian Institute of Chemical Engineers
12. Indian Institution of Bridge Engineers (DSC)
13. Indian Institution of Industrial Engineering
14. Indian Institution of Plant Engineers
15. Indian National Group of IABSE
16. Indian Society for Non Destructive Testing
17. Indian Society for Technical Education
18. Indian Society for Trenchless Technology
19. Indian Society of Agricultural Engineers
20. Institute of Urban Transport (India)
21. Institution of Mechanical Engineers (India)
22. International Council of Consultants
23. Mining Engineers' Association of India
24. The Aeronautical Society of India
25. The Automobile Society (India)
26. The Council of Engineering & Technology (India)
27. The Indian Institute of Metals
28. The Institute of Electrical and Electronics Engineers. Inc.
29. The Institute of Marine Engineers (India)
30. The Institution of Civil Engineers (India)
31. The Institution of Electronics and Telecommunication Engineers
32. The Institution of Surveyors



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**REGISTRATION FORM**

I / We would like to participate in the Programme

Name of Organisation .....

Address .....

Tel. No. .... Fax No..... E-mail : .....

S.No. Name of Participants Designation

1. ....

2. ....

3. ....

4. ....

The Registration Fee paid by Cheque / DD No. .... dated ..... amount .....

bank name ..... in favour of Engineering Council of India, New Delhi

The NEFT details for on-line payment are:

Name : **Engineering Council of India**  
Bank : HDFC Bank Ltd., Nehru Place Branch, New Delhi  
IFSC code : HDFC 000 1374  
Bank branch code : 1374  
S/B A/c no. : 1220 10 000 197 56

Please Complete the Registration Form in capital letters (preferable type written), and send it on the following address.

You are requested to send the form to :

**Deepak Singhal**

Sr. Administrative Officer

**Engineering Council of India**

1304 (13th Floor), Hemkunt Chambers, 89, Nehru Place, New Delhi-110019

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