





## Engineering Council of India

### Introduction

India is targeting to become a \$ 5 Trillion economy in a few years. For any country to become an advanced economy, a robust and flourishing indigenous industrial base is extremely essential. Industries not only create direct jobs but they create indirect employment too. Around an industrial belt, schools, shops, hospitals, offices, roads, communication infrastructure etc., are also created. All these institutions employ a large number of people. Hence for any prosperous nation, a flourishing industrial base is extremely important, necessary and crucial. For accelerated economic growth, massive investments are needed in all sectors. All sectors of economy- Industry, Infrastructure, Agriculture, IT, Financial and other services have to grow fast. These sectors will require engineers/technologists in large numbers. The engineers have important role to ensure that development projects and programmes are properly formulated and implemented for accelerated growth. Our educational institutions have to produce quality engineers who will then need internship with industry to orient them into practical situations. In India, it is assumed that we have about 2 to 3 crore engineers working in Indian industries at any time. However, many of them who are carrying out functions of skilled supervisors and technologists need continuous professional development to keep up-to-date with latest technologies and innovations, to enable them carry out the true functions of engineers. Those who are professionally competent could enroll as Professional Engineers in recognition of their competence..

### Objective

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 on the role of engineers to ensure accelerated economic development and how this role can be fulfilled. The Conference will deliberate on the role which needs to be played by the three bodies concerned-industry, academia and professional associations. Additionally, there is also a need for decisive roles to be played by the relevant government agencies.

### Proposed Topics for discussion may include the following:

The main theme may be subdivided into sub-themes dealing with different aspects of economic development, 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, as well as need for post qualification systematic upgradation of skills and knowledge. 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 - Requirements for skilled engineers for economic growth in industry, infrastructure, IT and other services.
1300-1400	Lunch
1400-1530	Technical Session II - Role of Government agencies, such as AICTE, Academia, Financial, institutions, Industry, MSME, professional associations, etc. in preparing engineers for their role in economic growth.
1530-1600	Coffee/Tea
1600-1700	Technical Session III - Framework to meet future needs for engineers.

### 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) \* The GST @ 18% will be additional.

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



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### 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.

### Main activities of ECI

- Registration of Professional Engineers on the National Register of Professional Engineer, ECI.
- Internship Training for Engineering Students, as per MOU with AICTE.
- Continued Professional Development (CPD) of Engineers. (Accreditation of Programs)
- Executive Development Programmes (EDP).
- National Proficiency and Evaluation Test (NPET).
- Eminent Engineer Awards.
- National Conferences, Workshops, Roundtables.

Many of the activities are undertaken with the help of Member Associations

### Members

#### The present members are:

1.	Association of Consulting Civil Engineers (India)	18.	Indian Society for Technical Education
2.	Broadcast Engineering Society (India)	19.	Indian Society for Trenchless Technology
3.	Computer Society of India	20.	Indian Society of Agricultural Engineers
4.	Construction Industry Development Council	21.	Institute of Urban Transport (India)
5.	Construction Chemicals Manufacturers Association	22.	Institution of Mechanical Engineers (India)
6.	Consultancy Development Centre	23.	International Council of Consultants
7.	Consulting Engineers Association of India	24.	Mining Engineers' Association of India
8.	Indian Association of Structural Engineers	25.	The Aeronautical Society of India
9.	Indian Buildings Congress	26.	The Automobile Society of India
10.	Indian Concrete Institute	27.	The Indian Institute of Metals
11.	Indian Geotechnical Society	28.	The Institute of Electrical and Electronics Engineers. Inc.
12.	Indian Institute of Chemical Engineers	29.	The Institute of Marine Engineers (India)
13.	Indian Institution of Bridge Engineers (DSC)	30.	The Institution of Civil Engineers (India)
14.	Indian Institution of Industrial Engineering	31.	The Institution of Electronics and Telecommunication Engineers
15.	Indian Institution of Plant Engineers	32.	The Council of Engineering & Technology (India)
16.	Indian National Group of IABSE	33.	The Institution of Surveyors
17.	Indian Society for Non Destructive Testing		

Information on ECI is available on website [www.ecindia.org](http://www.ecindia.org)

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