

The Institution of Engineers (India)



INAUGURAL CEREMONY OF
CENTENARY CELEBRATIONS

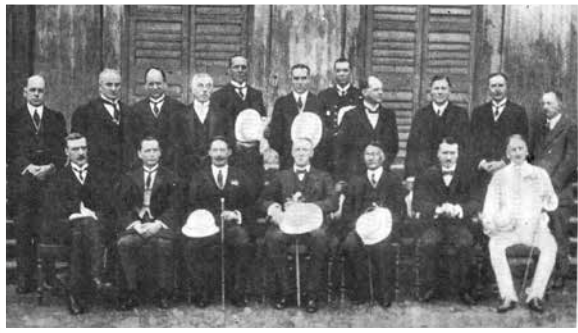
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SEPTEMBER 13, 2019
CHENNAI · TAMIL NADU

ENGINEERING ADVANCEMENT FOR NATION BUILDING



Formation and Evolution



As India embarked on its industrial development, the status of the engineering profession became a matter of high importance and it received public prominence in the Report of the Industrial Commission 1916-18. The Chairman of the Commission, Sir Thomas Holland, was then the Commerce Member of the Government of India, who endeavoured to advance an industrial society in India and strengthen the engineering profession.

In December 1918 and January 1919, there were preliminary meetings held in many places. The upshot was the formation in Calcutta of the Organizing Committee for the proposed 'Indian Society of Engineers' on 03 January 1919 with Sir Thomas Holland as Chairman. The other members included Mr T R J Ward, Major G H Willis, Mr J W Meares, Mr A C Coubrough and Mr E M Hughmari as Honorary Secretary and Sir Thomas Ward, who had taken over from Sir Thomas Holland as Chairman of the Organizing Committee. The Committee was empowered to proceed with the organization and formation of the new society and Major H W Brady was appointed Secretary of the Organising Committee on 23 April 1919. The Memorandum of Association, Articles and Bye-Laws were formulated and the name of the Society was changed to 'The Institution of Engineers (India)'. On 13 September 1920, the Institution was incorporated in the Presidency of Madras under the Indian Companies Act of 1913. Necessary permission was later secured to move the Registered Office to Calcutta and the Office was opened in a rented room at D-5 Clive Buildings, Clive Street on 11 November 1919.

Sir Thomas Ward retired from service before the expiry of his normal term of office and was succeeded by Sir Rajendra Nath Mookerjee on 29 November 1920. The Institution was formally inaugurated at an impressive ceremony in the Hall of the Asiatic Society of Bengal on 23 February 1921 by His Excellency Lord Chelmsford, Viceroy of India.

Dr T M Gunaraja was elected the 92nd President of The Institution of Engineers (India) for the session 2019- 2020.



Dr. T M GUNARAJA
President
The Institution of Engineers (India)



Royal Charter & Bye-Laws

The Royal Charter of incorporation was granted to the Institution on 09 September 1935 during the Presidency of Rai Bahadur B P Varma, by His Majesty the King-Emperor, George the Fifth. Because of the Royal Charter, now held by the Institution, the Corporate Members have right to inscribe 'Chartered Engineer (India)' after their names. The position, therefore, on the eve of Independence was that the Institution was recognized by the then Government of India as portraying engineers interests in the country.

The first Bye-Laws made under the Royal Charter were adopted at the General Body Meeting held in Bombay on 11 January 1937. These were finally approved by the Privy Council on 21 October 1937.

Membership

The Institution confers membership in various classes on those whose qualifications fulfill its Bye-Laws. This is one of the privileges and the Institution has acquired a reputation in exercise of this privilege.

IEI has presently a membership strength of over 2 lakhs engineers and 2.5 lakhs engineering students. There are several categories of members e.g. Fellow (FIE), Member (MIE), Associate Members (AMIE), Student Member (SMIE), Senior Technician (ST), Technician (T) etc.

By virtue of being a full member of the International Professional Engineers Agreement (IPEA) since 2009, The Institution of Engineers (India) represents India and has been empowered to establish and maintain the India section of the International Professional Engineers (IntPE) Register. In addition to that IEI also grants Professional Engineer (PE) Certificates to experienced engineering professionals to enable them to advance their career aspiration in wide ranging ways.





Education

IEI conducts Section A & B Examinations in different Engineering disciplines since 1928, the successful completion of which is recognized as equivalent to Degree in appropriate field of Engineering of recognized Universities of India by the Ministry of Human Resources Development, Government of India. Incidentally, IEI was the only Accreditation Body in the country before the formation of AICTE in 1987, and the courses of IIT Kharagpur were accredited by IEI in 1956.

In furtherance of its endeavour to provide continuous professional development to enhance the domain knowledge of engineers, IEI has embarked upon collaborative certificate programmes with the Institute of Cost Accountants, Project Management Associates and others.

Technical Activities and Publications

The technical activities of the Institution are mainly carried out through fifteen Engineering Division Boards pertaining to Aerospace, Agricultural, Architectural, Chemical, Civil, Computer, Electrical, Electronics & Telecommunication, Environmental,

Marine, Mechanical, Metallurgy and Materials Science, Mining, Production, and Textile Engineering. These Division Boards devote their efforts towards search for new knowledge and productive technologies. They take active steps to establish closer liaison between the Institution, the members and those who are directly concerned with the implementation of national objectives.

In September 1921, the Institution commenced publication of an Annual Journal in 15 disciplines. From 2012, IEI regularly publishes five Journals through co-publishing agreement with reputed publishing house Springer, covering different engineering disciplines. The Journals are SCOPUS-indexed and wellacclaimed in academic circles.

In addition to the Journals, experience and expertise of professional engineers are shared through publication of Annual Technical Volumes of 15 Engineering Divisions and one Interdisciplinary Committee. Regular communication with members is done through monthly IEI News and the achievements of our members are recognized through online newsletter titled IEI Epitome.

To provide a platform for exchange of professional and technical thoughts and ideas IEI has created a webbased platform named 'EnggTalks', which has gained immense popularity within a year of its launch.

As part of the Centenary Celebrations, a number of International Seminars are being held including events in Qatar, Mauritius and Myanmar.





Research & Development

IEI has been playing an important role in defining excellence and setting up benchmarks for upliftment of engineering education. IEI seeks to identify talent and extend support in furtherance of research and development in emerging areas of engineering in the form of Grant-in-Aid for R&D work to be carried out by students of engineering colleges and universities. The Department of Scientific & Industrial Research, Ministry of Science & Technology, Government of India, has recognized it as a Scientific & Industrial Research Organization (SIRO) by virtue of its contribution in the area of scientific and industrial research.

Peripheral Bodies

In order to create a focus on national priority areas, The Institution of Engineers (India) has established the following entities to work in tandem with stake holders in the respective domains:

- **Engineering Staff College of India (ESCI)** at Hyderabad for providing continuing professional development courses;
- **National Design & Research Forum (NDRF)** to encourage design talents in engineering & technology;
- **Rural Development Forum (RDF)** to encourage and promote multi-faceted development of rural India;
- **Water Management Forum (WMF)** to promote and advance the engineering and practice of water resources management judiciously;
- **Sustainable Development Forum (SDF)** for expression of views on technologies for sustainable development;
- **Safety & Quality Forum (SQF)** to address the multi-faceted aspects of safety and quality in industry;
- **National Skill Development Forum (NSDF)** for skill development initiatives.





International Affiliations

The Institution has been playing a significant role at the international level and has been the founder member of several international organizations. The IEI has world-wide bilateral agreements with 33 engineering organizations and is a member of World Federation of Engineering Organizations (WFEO); Federation Internationale du beton (fib); Federation of Engineering Institutions of Asia & Pacific (FEIAP); Federation of Engineering Institutions of South & Central Asia (FEISCA) and International Professional Engineers Agreement (IPEA).



Indian Engineering Congress

The Institution of Engineers (India) organizes the prestigious Indian Engineering Congress every year. The aim of the Indian Engineering Congress is to bring to the fore developments in various fields of engineering and prepare our engineers to face future challenges for sustainable development.



Tentative Programme : 13th September 2019

- Inaugural Ceremony of Centenary Celebrations at Kalaivanar Arangam, Chennai
- Keynote Address on "Transforming Engineering Education: The Centennial Imperative"
- Honoring the Past Presidents of IEI
- Felicitating Eminent and veteran Engineers
- Cultural Programme and Gala Dinner





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