

# Institution of Electronics and Telecommunication Engineers (IETE)

## Introduction

Founded in 1953, the Institution of Electronics and Telecommunication Engineers (IETE) is a leading professional society devoted to the advancement of Science & Technology in Electronics, Telecommunication, Information Technology, Computer Science and other related disciplines. IETE serves more than 1,25,000 Corporate, Students and ISF Members through its 63 Centres spread all over India including one at Kathmandu (Nepal). To keep pace with technological development and achieve the mission of advancing the profession, it organizes conferences, conventions, symposia, seminars, workshops, publications and brain storming sessions for continued knowledge upgradation of its members. The Government of India, Ministry of Science and Technology, Department of Scientific & Industrial Research has recognised IETE as a Scientific and Industrial Research Organization (SIRO) and the Institution has also been notified as an Educational Institution of National Eminence by the Government of India.

## Organisational Structure

IETE is governed by our elected Governing Council from amongst its Corporate Members and headed by an elected President. It has on its roll the Secretary General - the head of IETE Secretariat and its chief executive.

The affairs of the Institution are managed through various Committees and Boards nominated by the Governing Council. Various Centres are managed by their respective elected Executive Committees.

## Membership

IETE offers a variety of Membership grade from student member to Honorary Fellow. As members progress in the professional field over the years they become eligible for more advanced membership classification.

### ➤ Corporate Members

- **Honorary Fellow (HF)** : A coveted honour conferred on eminent personalities. To name a few - Dr A P J Abdul Kalam, Dr R Chidambaram, Prof D P Aggarwal, Shri N Vittal, Shri Sunil Bharati Mittal, Dr Anil Kakodkar, Prof V S Ramamurty, Prof C N R Rao (Bharat Ratna), Dr K Sivan and Prof (Dr) Ulrich L Rohde amongst others.
- **Distinguished Fellow (DF)** : Highest class of elected membership; only Eminent Fellows are eligible for nomination and election. To name a few - Dr V K Aatre, Prof K K Aggarwal, Prof S C Dutta Roy, Prof (Dr) R K Arora, Prof O P N Kalla, Lt Gen D P Sehgal, PVSM, AVSM, VSM (Retd),

Lt Gen (Dr) A K S Chandele, PVSM, AVSM (Retd) & Lt Gen A K Aggarwal, PVSM (Retd).

- Fellow (F) : } Based on professional competence and recognition
- Member (M) } demonstrated by academic qualification and work experience.
- **Associate Member (AM)** : Based on pass in Graduateship examination AMIETE or equivalent Engg Degree.
- **Organisational Members (Org Mem)** : Open to Institutions/Organizations/Companies engages in broad areas of Electronics, Telecommunications, Computer Science and Information Technology.

#### ➤ Student Members

- Student (PG) : Registered for ALCCS Exam, (Post Graduate Level)
- Student (SG) : Registered for AMIETE (Graduate Level)
- Student (SD) : Registered for DipIETE (Diploma Level).
- Student (ISF-G) : Belonging to IETE Students' Forum at Engg College.
- Student (ISF-D) : Belonging to IETE Students' Forum at Polytechnics.

#### Examination and Certification - Engineering Courses

One of the important charter of IETE is to impart continuing engineering education to working professionals, in the field of electronics, telecommunication, computer & IT, at an affordable cost. Aim being to earn while you learn and targeting students who cannot afford engineering education at a regular engineering college. These Certificates are for : Diploma (DipIETE), Graduateship (AMIETE), Post Graduate Level (ALCCS) and Dual Degree or integrated programmes. The regulations/Syllabi for all these are drafted by various specialists members from IITs and various other Institutions of repute and are revised periodically. The examinations are conducted through Pan India located IETE Centres. These examinations are recognised by Govt of India for superior and sub-ordinate services and for higher education by large number of Universities and Institutions.

#### Programmes and Activities

- The Institution has distinguished itself by organizing regular Conference, Conventions, Symposia, Seminars, Workshops and Apex Forums on the topical & current issues of technical advances in the areas of its interest. IETE focuses on all the pillars of Digital India programme by the Govt of India. IETE has initiated conduct of multi-level training programmes on Cyber/Information Security for students & young professionals, and is planning to conduct Digital

Literacy programmes to support e-commerce and e-governance programme of the Govt. Some of the other areas of interest are :-

- ❖ Dissemination of technical information related to ISRO initiatives,
  - ❖ Smart Cities/Villages,
  - ❖ E-waste Management,
  - ❖ 5 G Standards,
  - ❖ Electronics & IT Standards,
  - ❖ Impact assessment studies of Govt initiated programmes etc.
  - ❖ IETE also collaborates with many professional bodies like GISFI, IEEE-MTTS, IEI, CEMA, PHD etc for conducting technical programmes to fulfil this main charter of its activities.
- IETE also plays an important role in Skill India initiative of the Govt. IETE has become training partner to number of Skill Sector Council like Telecom Sector Skill Council (TSSC); Electronics Sector Skill Council of India (ESSCI), NIELIT, Reliance Jio Infocomm Ltd etc. Skilling programmes have been conducted in the field of Fibre Optics & Solar Panels, which are being diversified to many more job roles. IETE has around 28 Centres located close to the military establishments with good infrastructure for conduct of training suitable to retiring Junior Commanding Officers/ ORs.
  - IETE promotes the policies that enable convergence of technologies with sharp focus on remote and rural penetration. One of the Committees of IETE, the Technology Regulatory Advisory Committee, which comprises of experts from relevant fields, analyzes the global trend of ICT technologies in an objective manner and recommends to the Govt and other regulatory bodies, appropriate & necessary technologies to be introduced or added or modified, if any. They offer their comments on various policies by the Govt and consultation papers by the Govt or TRAI from time to time. IETE provides consultancy to the Industry on Electronics, Telecom and IT or takes up any project / studies on behalf of the Govt, TRAI etc.
  - Some lead activities are :-
    - ❖ **IETE Students' Day** :- celebrated at all IETE Centres by organizing various activities like Contests, quizzes, paper presentation etc for IETE Students.
    - ❖ **IETE Foundation Day** :- Eminent personalities are invited from the field of Science & Technology and education to speak on the theme of the day.
    - ❖ **World Telecommunications & Information Society Day** : To organize lectures/seminars on the theme decided by the ITU.
    - ❖ **Mid Term Symposium** : It is one of the important events of IETE wherein topics on various burning issues in the field of telecom and

information technology are discussed in order to share the knowledge, exchange ideas and make suitable strategies for benefit for all.

- ❖ **Annual IETE Convention** : It is flagship event of IETE, to provide an inter-disciplinary forum for Scientists, Researchers and Practitioners in the field of Science & Technology & Education to exchange ideas and evolve strategies towards advancement of science and technology in the country.
- ❖ **Sir J C Bose Memorial Lecture** : To perpetuate the memory of India's eminent physicist Sir Jagadish Chandra Bose, eminent speakers are invited to share their research experience in relevant fields.
- ❖ **Sir C V Raman Memorial Lecture** : A prestigious annual lecture series in the memory of 1<sup>st</sup> Nobel Laureate Scientist of India.
- ❖ **Zonal Seminars** : The zonal seminars are organized at each zone on theme of topical interest.
- ❖ **Apex Fora** : It provides a platform for exchange of meaningful ideas amongst policy makers, implementers, industry leaders leading academicians, Research Organisations, eminent professionals. It is an annual event.
- ❖ **National Technical Paper Contest** : An annual activity open for all undergraduate engineering student from all over the country for best technical paper presentation.
- ❖ **IETE Students' Forums (ISFs) Activities** : To have interaction with the students of various Engg Colleges, ISFs are established at various Engg Colleges/Polytechnics. Through ISFs in conjunction with local IETE Centres organize technical programmes and activities to provide a common platform for the student members to exchange ideas and facilitate technical visits/ practical training of student members, encourage team work and the spirit of self reliance.

## **IETE PUBLICATIONS**

IETE publications have made significant strides in response to the developments in the fields of Electronics, Telecommunication, Computer Science and Information Technology. We are committed to removing the barriers and practices that often hamper the timely and effective communication of new research findings. IETE is showcasing its achievements in attracting growing numbers of submissions, publishing high-quality research papers, supporting transparency and reproducibility, as well as the careers of new researchers, and exploring new publication formats. IETE has talented academic editorial teams ably led by respective Editors-in-Chief. IETE journals are receiving encouraging response from the research community and their impact factors are increasing consistently.

These publications contribute significantly in achieving the laid down objectives of the Institution. The Institution has its wide and prominent visibility due to these regular publications which include three IETE Journals, Newsletter and Proceedings. Our journals viz. IETE Journal of Research (JR), IETE Technical Review (TR) and IETE

Journal of Education (JE) are the prime resource for disseminating state-of-art, current and futuristic scientific and technical knowledge to a wide cross-section of readership of academia, industries, R&D organizations, libraries, professional engineers and students' community. The IETE Journals are available online ([www.ietejournals.org](http://www.ietejournals.org)).

## **EXCELLENCE & AWARDS**

IETE recognizes outstanding achievements amongst its members and other professionals in the broad areas of Electronics, Telecommunication, Computers, Information Technology and related disciplines through annual/biennial awards. These awards and recognition play vital role in improving the visibility of the Institution and also fulfillment of our role of giving recognition to the professionals who have excelled in their work in the fields of interest to IETE. IETE confers 24 (twenty four) main awards for outstanding achievements, 08 (eight) corporate awards for excellence of performance, 08 (eight) awards for best technical/ research articles published in our journals during the calendar year and academic awards for IETE student members for their academic excellence in various examinations and 03 (three) prizes for the best Technical Papers selected in the IETE National Technical Paper Contest. To make the existing procedure for selection of Awardees for IETE Awards more transparent, fair and systematic, there is a 'Jury of Experts' constituted for each award. This Jury, consisting of five experts, is selected from reputed Institution /Universities /Engineering Organizations based on their subject expertise, academic/research and managerial experience. Each award is finally ratified by the Board of Awards (BoA).

Based on the merit an awardee is selected for recognition of excellence in the field of developments. In case of few awards, lectures are delivered by awardees at IETE Centre nearest to their location. To give wider publicity to attract good response to IETE awards, "Call for Nominations" is published in Nov-Dec and Jan-Feb issues of IETE Journal of Research and Technical Review. In addition, brochures and "Call for Nominations" for IETE main awards, corporate awards and National Technical Paper Contest are made available on IETE website.

## **Privileges of IETE Membership**

### **For Corporate Membership**

- Join a community of over 1,25,000 technology and engineering professionals united by a common desire to continuously learn, interact, collaborate and innovate.
- Participate in IETE Seminars, Symposia, Conventions, Workshops or any event of International, National or Local Level.
- Advertise in IETE Journals.
- Receive recognition in excellence through IETE Awards.

- Get the resources and opportunities you need to keep on top of changes in technology.
- Get involved in standards development.
- Network with other professionals in your local area or within a specific technical interest.
- Mentor the next generation of engineers and technologists.
- Our Members get access to latest technological developments via our technical publications. Our Journals are targeted to bring out research articles that seek to uncover the science underlying technological advances.
- Can read papers in the transactions in electronic form.
- IETE houses an unrivalled network of professionals, experts and advisors that can help shape your career, offer resources to acquire new skills, advance your professional development and provide numerous opportunities for involvement, recognition and reward.
- A Fellow Member can participate in IETE Governing Council Elections
- Corporate Members can participate in IETE Centre Elections etc.

#### **For Organisational Members**

- One Member is elected from the Organisational members to the IETE Governing Council for a period of three years.
- Customized Skill Development and Training Courses.
- Participate in IETE Seminars, Symposia, Conventions, Workshops or any event of International, National or Local Level.
- Receive IETE Journal of Research, IETE Technical Review and IETE Journal of Education.
- Receive IETE Newsletter free of charge.
- Advertise in IETE Journals.
- Networking and interaction with IETE Alumni.
- Identify itself with accomplished and eminent technical fraternity in the Country.
- Golden Plaque of IETE Organisational Membership.