

## 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, Telecommunications, Information Technology, Computer Science and other related disciplines. IETE serves its 25493 Corporate members, 230 Organisational members, 12502 Student members and 447 IETE Student Forum Institutions with 59168 ISF students 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 recognized 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.

### Organizational 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 APJ Abdul Kalam, Dr R Chidambaram, Prof D P Aggarwal, Shri N Vittal, Shri Sunil Bharati Mittal, Dr Anil Kakodkar, Prof V S Ramamurthy, Prof CNR Rao(Bharat Ratna), Prof Govind Swarup, FRS and Prof MGK Menon 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 Attre, Prof K K Aggarwal, Shri Y L Aggarwal, Prof S C Dutta Roy, Prof P B Parikh, Prof B S Sonde, Prof B K Rai, Prof R K Arora, Prof OPN Kalla, Prof B L Deekshatulu, Lt Gen D P Sehgal, PVSM, AVSM, VSM (Retd) & Lt Gen A K Aggarwal, PVSM (Retd).
- **Fellow(F) :**
- **Member(M):** } Based on professional competence and recognition 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 engaged in broad areas of Electronics, Telecommunications, Computer Science and Information Technology.

#### ➤ Student Members

- Student (PG) : Registered forALCCS Exams, (Post Graduate Level)
- Student (SG) : Registered for AMIETE.(Graduate level)
- Student (SD) : Register for DipIETE (Diploma level)
- Student (ISF-G): Belonging to IETE Students' Forum at Engg. Colleges.
- 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 certifications 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 at 41 IETE Centres, at present. 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 Conferences, 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 propounded by the Govt of India. IETE has initiated conduct of multi-level training programmes on Cyber/Information Security for students & young professionals, and is also planning to conduct Digital Literacy programmes to support e-commerce and e-governance programmes 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 the Skill India initiative of the Govt. IETE has become training partner to number of Skill Sector Councils 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 organise lectures/seminars on the themes 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 of all.
  - ✓ **Annual Technical 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 organised 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 Organizations , eminent professionals. It is an annual event.

- ✓ **National Technical Paper Contest:** An annual activity open for all undergraduate engineering students 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 organise 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**

The IETE has been disseminating quality information on the latest developments in the field of Electronics, Telecommunications, IT and Computer Science Engineering through its journals- Bi-monthly - IETE Journal of Research (IF-0.284) & IETE Technical Review (IF-1.304) and 6 monthly IETE Journal of Education. With a wide circulation of about 2,000 copies of each issue of Journal of Research and Technical Review and 2,000 copies of Journal of Education. IETE has made these journals available on <http://www.ietejournals.org> for free access. IETE Newsletter, 4 monthly publication, covers information of important events, technical activities of Centres/ ISFs, PACs or any other exemplary feats of our IETE Members.

### **Recognizing Excellence: Awards**

The Institution fosters advancement of the profession and stimulates its members and others in the profession to higher level of accomplishment by recognizing excellence through awards, medals, prizes etc. It confers 23 awards for outstanding achievements, 08 Corporate Awards, 08 awards for Best Papers published in our journals, 54 awards for student members for academic excellence in various examinations, 03 cash prizes for winners of National Technical Paper Contest held for undergraduate engineering students. 100 IETE means cum merit Scholarships for needy and brilliant students, 02 Research Fellowships for encouraging research leading to the award of PhD degree in the areas of interest to IETE and 04 Stipends, 02 in ET stream and 02 in IT & CS (combined) stream of AMIETE on merit basis for IETE graduates pursuing M. Tech/ ME studies in Electronics, Telecommunications, Computer and Information Technology disciplines broadly falling in the areas of interest to IETE.

### **Privileges of IETE Membership**

#### **For Corporate Members**

- Identify itself with accomplished and eminent technical fraternity in the country.
- Participate in IETE seminars, symposia, conventions, workshops, lectures, conferences, 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.
- Receive recognition in excellence through IETE Awards.
- Share ideas and experience with fellow members, authors and reviewers by publishing articles in IETE Journals.

- Share expertise with fellow members by delivering talks or act as faculty for Centres nearby.
- Advertise in IETE Journals.
- Networking and interaction with IETE Alumni.

#### **For Student Members**

- Attend Guidance classes for degree, diploma, ALCCS courses.
- Flexibility in terms of place, pace and duration of study.
- Right of entry in Dual degree or integrated course.
- Access e-lan portal for student interaction and Website [www.iete.org](http://www.iete.org) for professional interaction.
- Receive recognition in excellence through IETE Awards and scholarships.
- Access library facilities at Centres for knowledge up gradation.
- Share ideas and experience with fellow members, authors and reviewers by publishing articles in IETE Journals.
- Share expertise with fellow members by delivering talks or act as faculty for Centres nearby.
- Networking and interaction with IETE Alumni.

#### **For Organisational Members**

- One member is elected from the Organizational members to the IETE Governing Council for a period of three years.
- Information for all IETE Technical Seminars/Symposium etc, along with two complimentary delegates.
- Concessional rate for booking IETE Delton Hall at Lodhi Road Delhi.
- Access to IETE Library free of cost.
- Following publications from IETE free of cost :-
 

(a)	IETE Technical Review	- 6 Issues in a year
(b)	IETE Journal of Research	- 6 Issues in a year
(c)	IETE Journal of Education	- 2 Issues in a year
(d)	IETE Newsletter	- 3 Issues in a year

(Updated on 28<sup>th</sup> Nov 16)