



# IETE NEWS LETTER

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## From President's Desk



Dear Members,

Welcome to the latest issue of the IETE Newsletter that serves as a credible platform to highlight multifaceted technical activities of country's premier professional body and its various units.

I am pleased to share that HQ and Centres hosted a number of professional events showcasing the most cutting-edge technologies, in addition to the value-added programmes provided by ISFs and PACs. An effort has been made to highlight IETE's multidimensional reach in order to stay current of the mind-boggling technical advances produced by academics and industry, thanks to a favourable policy ecosystem. Despite barriers brought on by pandemic and global uncertainties, zeal and vitality remained unabated — a true indication of our collective resilience.

One-day online seminar on “Applications of Gamma Rays in Medical Diagnostics” on 29 Jan 2022 provided new perspectives in this interdisciplinary exotic area, including contributions by renowned biomedical experts. It effectively highlighted the applications of electronic innovations for the identification of metabolic afflictions. On 19 February 2022, a one-day webinar on indigenous development of telecom systems for an Atmanirbhar Bharat highlighted epoch-making initiatives on cutting-edge technologies/initiatives such as PM-WANI, 5G, G-PON, and smart city solutions carried out at organizations/institutions such as C-Dot, IITH, and BSNL, among others.

This year's Sir CV Raman Memorial Lecture & Webinar held on 12 March 2022 at HQ was truly an inspiring experience. Apex Forum on 9<sup>th</sup> April 2022 discussed the current notion of 'Digital University,' a breakthrough educational concept that IETE plans to implement in the near future. The compelling purpose behind this concept is to increase employability, maintain a clear focus on an industry-centric strategy, and be the entity that grants degrees.

ISFs are proving to be irresistible magnets for students in search of a sense of belonging. New ISFs are being established at numerous colleges and universities. The most recent addition is the School of Information and Communication Technology at Gautam Buddha University. Similarly, I applaud the recently created ISFs at AISSMS College of Engg in Pune, Oxford College of Engineering in Bengaluru, and Universal College of Engineering and Technology in Guntur. This forum teaches students effective networking and participation skills in innovative platforms.

We have taken due cognizance of new technologies knocking at our door. A Committee on post diploma courses in emerging technologies at IETE Centres / Sub-Centres, has been formed to explore the conduct of courses in IoT, Blockchain, MLM etc. Besides, in tune with the times, it is proposed to conduct the AMIETE & DipIETE examinations in online mode. The feasibility and modalities to conduct online exams are being worked out.

Our publications continue to forge ahead with higher impact factors. Honorary services of Editorial board and reviewers of manuscripts are gratefully acknowledged. To clear backlog of pending articles, we are bringing voluminous thick issues of IETE Journal of Research. Announcement of annual IETE Awards is eagerly anticipated by silently working professionals in country's R&D labs to push frontiers of research and development.

IETE Membership is widening its base with the Centres providing avenues for updating the domain knowledge. I heartily welcome new organizational members. I am grateful to all of our resource people, including Governing Council members, Centre Chairpersons, and ExeComm members, who have contributed to the success of IETE. There is no doubt that each contribution, including yours, is valuable.

Further, we are profoundly saddened by the unexpected loss of Distinguished Fellow Brig Lakshman Singh, VSM (Retd), and senior Fellows: Dr Maganty Srinagesh and Dr (Prof) S Shreenivas R Jog. They contributed significantly to the growth of the IETE. The fraternity will miss them.

I have no doubt that coming days will sketch the blueprint for sustainable all-round progress of IETE.

Jai Hind!

Prof (Wg Cdr) P Prabhakar,  
Veteran

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- Aadhaya Skills Research and Development and Shri Sathish Kumar, Harman Connected Services Corp India Pvt Ltd. On **Mar 14, 2022** ISF organized a guest lecture on the topic “Microwave Antenna and Radar: Basics and Applications” by Mr Sulthan Syed Ibrahim HS, Air Traffic Controller, Airports Authority of India, Chennai. On **Mar 17, 2022**, the ISF organized a guest lecture on “Industrial view on Electronics and Communication Technologies – Practical examples” by Dr Vignesh Raja Ramachandran, (Alumni 2008 – 2012), Scientist, Philips Embedded Research Division, Netherland.
- **ISF at Dept of ECE, R M K Engg College, Gummidipoondi, Kavaraipettai, Chennai**, organized webinar on **Jan 06, 2022** on “Innovative IoT and Embedded System Students Projects and Extensions”. On **Mar 2, 2022** ISF organized a “Virtual Industrial Visit”, online webinar based tour of the facilities and interaction with industry representatives of “Crion Technologies”. On **Mar 04, 2022** ISF organized a Virtual Industrial Visit, an online webinar based tour of the facilities and interaction with industry representatives of “Enthu Technology Solutions India Pvt Ltd”. On **Mar 11, 2022** ISF organized a Guest Lecture on “Opportunities for Graduates in VLSI Industry” by Shri R Kumaran, Senior RTL Design Engineer, Smortsoc Solutions Pvt Ltd.
  - **ISF at JCEI’s Jaihind College of Engineering, Kuran, Junnar, Pune**, organised a workshop on AI & ML with Python Programming on **Jan 10-19, 2022** with resource persons - Shri Tushar B Kute and Mrs Rasmii Thorave; a webinar on Know Everything About GATE and Career Opportunities Special by Shri D Negi on **Jan 15, 2022**; an event on poster and quiz competition conducted by Mrs Arote PJ on **Mar 08, 2022**, followed by a webinar on Cloud Infrastructure Services by the resource person Shri Akshay Neharkar on **Mar 14, 2022**.
  - On **Jan 19-22, 2022**, ISF at **Charotar University of Science and Technology (CHARUSAT), Faculty of Technology (FTE), Vadodara**, in collaboration with IETE Vadodara Centre, organised a four-day online workshop on “Java Programming.” Dr Trushit Upadhyaya and Dr Hardik Modi coordinated. ISF at **CHARUSAT, FTE**, in collaboration with the Centre, hosted seminar on “Patenting and Its Drafting Process” on **Feb 3, 2022**. Dr Trushit Upadhyay, Dr Hardik Modi, and Prof Rikin Nayak coordinated.
  - **ISF at JSPM’S Bhivrabia Sawant Institute of Technology, (JBSIT) Wagholi, Pune** in association with Indian Patent and Trademarks Office Mumbai and R&D cell of BSIOTR and ESTA, under Spring Lecture Series organized a national level programme on “Awareness on Intellectual Property Rights (IPR)” on **Jan 25, 2022**. Dr Y S Angal, Vice Chairman of the Centre delivered the welcome address. Dr R D Kharadkar, the chief guest, praised the ISF team and spoke about numerous activities carried out by the IETE Pune section. The speaker, Shri Prateek Hendre, then illuminated the comprehensive method and value of intellectual property rights for every individual in India. He also demonstrated how to file an IP right such as a trademark, copyright, or patent. He went over the various formats, costs, and time frames for registering intellectual property rights. Dr T K Nagaraj, Principal, congratulated Dr Angal and the department.
  - **ISF at Haldia Institute of Technology, Haldia, West Bengal**, hosted “Quiz-Pod,” an online quiz challenge on **Jan 29, 2022**. Prof Surajit Mukherjee served as the faculty coordinator. The competition included MCQ-based questions on areas including DBMS and coding language problems in Java/Python. The challenge focused on the upcoming placement examinations, which helped them improve their skills. Sayed Rajibul Islam (ME Dept, II year), Tasneem Ahmed Ansari (ECE Dept, III yr), and Supriya Kumari (CE Dept, III yr) took the first, second, and third places, respectively. Under the leadership of faculty coordinator Prof Surajit Mukherjee, IETE HIT SF hosted a three-day course on “ROBOTRIX,” which provided hands-on experience with semi-autonomous and autonomous robotics, as well as a C++ workshop on **Apr 08-10, 2022**. Students created and programmed their own robots with great success. Pragati Kumari, Shubham Kumar, Shreyan Gautam, and Piyush Singh were all core team members from third-year. Prof Surajit Mukherjee, Mr Akash Das, Mr Bhusan Yadav, Mr Suraj Kumar, Mr Anurag Raj, Dept of ECE, HIT, Haldia, were the course coordinators.
  - On **Jan 31, 2022**, Dr C Balasubramanian, Associate Prof, Kalasalingam Academic and Research Education, hosted a “Hands on Training with IoT using Arduino” at the **Dept of ECE, Kings Engg College, Irungattukottai (KEC), Chennai**. On **Mar 01-02, 2022**, ISF hosted an International Virtual Conference on Research Innovation in Science, Engineering, and Technology IVVRASET 2022, with Dr Huang Sunan, Senior Research Scientist Temasek Laboratories, National University of Singapore, as the resource person.
  - **ISF at Thakur College of Engineering & Technology, Mumbai**, on **Feb 04, 2022** held a virtual seminar on the topic of Research Paper Writing. This session was held specifically for all SE, TE, and BE departments. This seminar had a total of 169 students in attendance. Ms Pritika Gharat, a TE electronics student, went on to explain the importance of producing a research paper before going into the structure of a research paper. She sparked interest in the research paper’s details. In scientific writing, the speaker emphasised the need of citations. The session was then concluded with a vote of thanks to the speaker for providing such an excellent presentation, as well as to all faculty members and students for their enthusiastic involvement. The session’s feedback and attendance were collected by sending a Google form link to all attendees.
  - **ISF at Anand International College of Engg, Jaipur**, organized FDP on “New Techniques in the Field of Engg” from **Feb 08-12, 2022**. Speakers graced the event included: Dr Sandeep Singh Sengar from Federal TVET Institute, Addis Ababa, Ethiopia; Dr Dinesh Yadav from Manipal University, Jaipur; Dr Sayog Rawat from Manipal University, Jaipur; Dr Sanjeev Yadav from Govt Women Engg College, Ajmer; Prof Praveen K Jain from SKIT Jaipur; Prof Surendra K Agarwal from Govt Women Engg College, Ajmer; Dr Sanjay Sharma from University Institute of Technology, Himachal Pradesh University; Dr Ajay Khunteta from RTU Kota; Dr (Mrs) Jayashri Vajpai from MBM Engg College, Jodhpur; Dr Anil Saroliya from Amity University Tashkent, Uzbekistan; Vice-Chairperson of Institute Ms Monika Mittal; Principal Prof Vijay K Sharma & Vice-Principal Prof Praveen Agarwal. Shri Gunjan Saxena, Dy Director General, Dept of Telecom, Rajasthan & Hon’ble Chairman, IE (India), RSC Jaipur was Chief Guest on **Feb 8, 2022**. The chief guest at the valedictory ceremony on **Feb 12, 2022** was Prof (Dr) Mithilesh Kumar, Prof, Rajasthan Technical University Kota & Former Principal, Jhalawad Govt. Engg College, Jhalawad (Rajasthan). The program was conducted under guidance of Shri Vivek Bhaojak, HOD, ECE & Adviser Institution of Engineers (IE) India Students’ Chapter Anand-ICE, Jaipur. Shri Vineet Chhabra & Ms Raksha, coordinated.
  - **ISF at Dept of ECE, Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad** organised a webinar on “5G Wireless Networks – A Detailed Survey” on **Feb 9 2022**. It was hosted by Yashmitha Jain, a student coordinator of ISF. Prof C Murali, DFIETE and Former Vice President of IETE, delivered the talk. IETE ISF website was launched with the HoD, ECE, CBIT. The coordinators of the webinar were- Shri T Sridhar, Asst Prof and Shri P Ranjith, Asst Professor. On **Mar 07, 2022** ISF organized an Industrial Visit to NRSC, Jeedimetla, Hyderabad. Shri Prasad, SC-G, NRSC, Jeedimetla facilitated the things at NRSC. On **Mar 23, 2022** ISF organized a Web designing Contest for the students of engineering colleges under the SYNAPSE 2022 Annual Technical Fest. Prizes were won by Team- Krishna, Pandugula Vanshi Krishna; Team- Sai Charan, Ganagani Sai Charan; Team- Siri, Siri Paramesh and Shruti Upadhyaya. On **Mar 24, 2022** ISF organized Technical Quiz for students of Engg College under the SYNAPSE 2022 Annual Technical Fest. Feedback comments were taken from Dr N V Koteswara Rao (Director-IQAC). Prizes were won by Vineela Singam, M Vidya and G Chinmai,