



# IETE NEWS LETTER

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## From President's Desk



Dear Members,

**I hope you and your family members had a wonderful Ganesh Chaturthi in September 2023. I take this opportunity to wish you all a joyous Diwali in November 2023.**

*Welcome to the current issue of IETE Newsletter. This is one direct method to keep our members informed about the many ongoing and planned technical activities being carried out by our Centres, Sub-Centres, and ISFs, as well as Headquarter's. Everyone participating is fully committed to advancing the goals and objectives of the country's leading professional body. The work of our Institution has been described in detail inside the issue, to give you a glimpse of the efforts that have gone into it; however, I would like to highlight the main events that occurred during my presidency from October 2022 to September 2023.*

- The existing leased line at HQ, for data connectivity, 50 Mbps (annual expenditure Rs 1,50,000/- + GST) was surrendered and an internet broadband connectivity of 300 Mbps at an annual rate of Rs 18,000/- was installed in the month of Nov 2022, which resulted in savings of more than one lakh per annum besides higher speed.
- For security and better control of the IETE HQ staff working, eight cameras were installed during Nov 2022, for remote monitoring.
- IETE Gulbarga Sub-Centre was upgraded to IETE Centre Kalaburagi and the Centre was inaugurated on 14 Nov 2022. Centre accommodation has been provided in the campus of Visveswaraya Technological University Kalaburagi. It is a remarkable achievement in terms of membership growth under the leadership of Dr Basawaraj Gadgay & Dr D C Shubhangi.
- NIELIT entered into rental agreements with IETE for Karkardooma building and a portion of the premises at IETE Delhi Centre during Dec 2022.
- CII entered into rental agreement for portion of ground floor and 5<sup>th</sup> floor of HQ premises during May 2023.
- Delton Hall rental income has substantially increased. The revenue generated from 01 Oct 2022 till date is Rs 16 lakhs. The efforts of Sh Pankaj, Electrician to maintain Delton hall is highly appreciated.
- From the income generated during 2022-23, Rs 45 lakh is earmarked as past-period expenses in income and expenditure statement. No past-period expenses earmarked during 2021-22. Rs 42 lakh was paid for the expenses belonging to 2021-22 during 2022-23. Shrinking fund of Rs 11.77 lakh earmarked for the year 2022-23. Rs 34.8 lakh more was earmarked in current liabilities during 2022-23 compared to the year 2021-22.
- IETE & NIELIT extended one-year technical MoU which expired on 23 Sept 2023, for three years from Sept 2023.
- IETE and NIELIT signed an MoU in Aug 2023 to enter into business with IETE Noida Centre for the establishment of Centre of Excellence on Chip Design.
- NIELIT agreed for signing MoU for opening of "Online Examinations Centers" with IETE ORG Institutions on profit-sharing model. It will be finalized after obtaining written consent from the interested IETE ORG Institutions.
- Staff Promotion Committee recommended for HQ staff grade increment and it was approved during 2<sup>nd</sup> (2022-23) GC meeting and implemented with effect from Jan 2023. This initiative happens to be a very good step after several years to boost the morale of staff to contribute effectively for IETE growth.
- With regard to long-pending activity of *IETE Journal of Research* Supplementary Issues, (there was a deadlock prevailing for more than five years between IETE and Taylor & Francis) the publisher, EIC Prof Shiban K Koul, the Chairman Publications Committee & Vice-President Dr K Jaya Sankar, Publications Committee Members along with IETE HQ Team: Secretary General, Mrs Sandeep Kaur, Sh Sanjay Setia have put in lot of efforts for past several months to solve the deadlock. Both the parties agreed for profit sharing on 50:50 basis in the month of Feb 2023. This is a significant achievement which will fetch high income generation in future from Publications Division.
- For printing IETE Journals, Department of Science and Technology, Government of India provided Rs 7.5 lakh grant-in-aid (the highest so far) for the year 2023-24. The efforts of IETE HQ Team: Secretary General, Mrs Sandeep Kaur and Sh Sanjay Setia are highly appreciated.
- The Registrar of the Newspapers (RNI registration is required to operate the Publication activities) Registration was done in 2019 and whenever there are modifications, we must file declarations and renew the certifications. IETE had applied for the changes in 2019, and it was pending for a long time. With the diplomatic efforts of Sh Sunil, Hony Treasurer IETE, and Mrs Sandeep Kaur, and the Publication Team, RNI certificates have been obtained with valid declarations during June 2023.
- The Impact factor of IETE Journals rose considerably. IETE Journals impact metrics update came from T&F in July 2023. *IETE Journal of Research* is at 1.5 for the year 2022. *IETE Technical Review* 2.4 (highest ever) for the year 2022.
- The Board of Awards Committee under the Chairmanship of Dr R R Deshmukh, West Zone mentor, put appreciable effort in getting highest number of nominations i.e., 303 for this year in all categories. Two new awards were also introduced fetching Rs 6 lakh award payment. The efforts of Secretary General, Mrs Sandeep Kaur and Sh Sanjay Setia are appreciated.
- Dr S K Agarwal, was persuaded to withdraw his court cases during Nov 2022 and accordingly, he withdrew the two cases. It resulted into saving expenses on the legal cases.

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IETE HQs, New Delhi

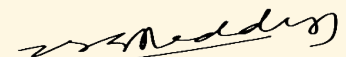


- The Legal Advisory Committee under the Chairmanship of Dr K Jaya Sankar, Vice President recommended for the change of advocate for the IETE Legal case on Governing Council Elections 2022 (legal case in the form of stay order on the induction of newly elected Council Members). The committee recommended to appoint a new advocate and negotiated for the legal fees and this was approved by GC members. The advocate Dr A K Bakshi could get the case dismissed in the favour of newly elected GC members and all the seven members were inducted into the Governing Council following the Court order. This is a significant achievement for the fastest disposal of a legal case and to uphold the image of IETE and to honour newly elected GC members.
- The online Elections Reforms Committee under the Chairmanship of Dr D S Bormane, Vice-President & TPPC Chairman, recommended for the change of Online voting vendor from NSDL as the special committee report on GC elections indicated that NSDL did not cooperate to provide certain data as and when requested. The committee recommended e-Vote vendor and it was approved by GC members. We had smoothly conducted DF, President and GC Elections with the new vendor.
- The Staff Service Rules Committee under the Chairmanship of Prof (Dr) A K Saini, President- Elect had conducted several meetings with Members and HQ staff and brought out draft HQ Staff Service Rules. This effort was highly appreciated and is only pending to facilitate inclusion of staff service rules of IETE Centres.
- The ISF and Organizational Members Committee under the Chairmanship of Gp Capt RC Goyal, VSM (Retd) had recommended for the incentive of Rs 3000/- per new ORG Life Membership of their jurisdiction. This appreciable decision had increased number of ORG Life Members and Centers are taking greater initiative for ORG membership. This committee also took an initiative for issuing digital certificates to ISF student members instead of printed certificates. This resulted in annual saving of Rs 2.5 lakh.
- The WEE & WMC Committee under the Chairperson Prof (Dr) Ashwini Kunte has done remarkable and appreciable work in the development and upgradation features in the IETE HQ website and linking websites of IETE Centers. Dr D C Shubhangi presented a sample model in her presentation and she took lot of initiative in this project. The updated IETE website with latest features is being inaugurated on 16 Sept 2023 in the AIC event at Pune.
- IETE Alumni Committee is formed for the first time under the Chairmanship of Sh R S Chauhan, East Zone Mentor, and this Committee interacts with IETE Alumni Registered Society and took several initiatives including conduction of Alumni meets at Zonal level and GC sanctioned funds for the Zonal Alumni meets. This is a very important stepping stone to bring Alumni together for IETE activity growth and visibility.
- Gp Capt RC Goyal, VSM (Retd), Member of Membership Committee during 2021-22 and Chairman of ISF and ORG Committee during 2022-23, had put up maximum efforts in getting details of Membership dues of old cases and this had provided appreciable inputs for membership data updation and collection of membership dues of some old cases. The effort of HQ staff Sh Chetan Anand and Ms Anu Bajaj is also appreciated in this task.
- The efforts of IETE Noida Centre under the Chairmanship of Col (Dr) Bipin C Pandey (Retd) are highly appreciated in developing a PG Diploma Course on Cybersecurity and later signing an MoU with Gautam Buddha University in Aug 2023.
- The efforts of Board of Examinations and Students affairs Committee under the Chairmanship of Prof (Dr) Ajay P Thakare had done commendable job in timely setting of question papers, conduction of examinations and declaration of results without any issues. The efforts of HQ under Secretary General and exam team is highly appreciated.
- We had organised and participated in several IETE International Conferences from Oct 2022 to June 2023.
  - (a) At IETE Kalaburagi Centre on 14 Nov 2022 on Functional Glasses.
  - (b) At IETE Kalaburagi Centre on 22-24 Nov 2022, at Sharnbasva University, Kalaburagi on Multi-Disciplinary Research.
  - (c) IETE President was invited as a key note speaker for the IEEE International Conference MAPCON at Bangalore from 12 to 15 Dec 2022. IETE President, Vice Presidents Dr K Jaya Sankar, Dr Basawaraj Gadgay and Hony Treasurer Sh Sunil delivered presentations on IETE activities during this event. IETE was provided a stall to exhibit IETE Publications, Journals and Membership promotion.
  - (d) IETE Team participated in the Broadcast Engineering Society (India) International conference from 17-18 Feb 2023 with an IETE stall for Membership promotion and IETE Journals display, with the efforts of Hony Treasurer Sh Sunil, Addl DG, Prasara Bharati.
  - (e) IETE President was invited as a key note speaker for the International Global Business summit 2023, organized at Tent City, Varanasi from 5-8 March 2023 to present IETE initiative on industry associations for Professional institutions. Participated by His Holiness Sh Mohanji, Mohanji Foundation, India, Dr Segel, Global President, International Diplomatic Club, Sh Deepak Vohra, Special Advisor to PM of India, Sh Radhe Shyam, IAS, Govt. of UP, Sh Ashok Jain, Commissioner of Police, Varanasi, Sh Sathya Narayan, IGP, Varanasi, organized by Amicability Diplomatic Club, Hyderabad. During this event two technical MoUs were signed with two organizations by IETE.
  - (f) IETE Noida Centre organized International Conference on “Cyber Threats and Security” at Galgotia University, Noida from 01-02 May 2023.
  - (g) IETE Bangalore Centre organized an international conference, in collaboration with BEL, on “AI & ML Driving 5G and Advanced 6G” from 03-05 May 2023, where in more than 50 companies put their stalls in the Exhibition. IETE Bangalore Centre generated more than Rs 50 lakh revenue. The efforts of Dr C P Dwivedi, Dr MH Khori and IETE Bangalore Centre Team is highly appreciated.
  - (h) IETE Aurangabad Centre organized International Seminar on “Intelligent Systems, Cognitive Science and Knowledge Engineering” at Babasaheb Ambedkar Maratwada University, Aurangabad from 08 - 10 May 2023.
- Doordarshan panel discussions and interviews on the IETE objectives, Membership development, IETE Journals, Student membership & support, Continuation Education Programmes for Corporate & student members were conducted during GC meeting dates at Imphal, Dehradun and Pune. Sh Sunil, Hony Treasurer & Addl DG Prasarbharti was instrumental in organizing these programmes.

I am also pleased to inform you that this year IETE has conferred its Honorary Fellowship on **Dr G Sathesh Reddy**, Former Scientific Advisor to Raksha Mantri, Government of India, a staunch supporter of IETE who has honoured and attended numerous IETE national & international conferences as Chief Guest/Guest of Honor and contributed immensely to IETE's image building and revenue generation. Fellow Members of IETE **Prof Shibban K Koul** and **Dr Y A Kawade** have also received this year's Life-Time Achievement Award. Dr Koul, Editor-in-Chief of the *IETE Journal of Research*, who through his honorary services has significantly increased IETE's visibility and the Journal's revenue. Dr Y A Kawade, the Founder, Chairman of IETE Aurangabad Centre, has done a lot in the field of technical education for the marathawada students' community. During the 66<sup>th</sup> AIC conducted in Pune on Sept 16, 2023, these awards were presented to these distinguished individuals.

I am happy that we were able to accomplish all of this with the assistance and support of all Governing Council Members, Past Presidents, Centres/Sub-Centres EC Members, Headquarters Secretariat, and well-wishers. I extend my sincere appreciation to all of them and wish the Institution success in advancing its mission and expanding its scope.

With Best Wishes



**Prof V Gunasekhar Reddy**  
President, IETE  
Deputy Inspector General of Police (Retd)

## Newly Elected IETE President



**Prof (Dr) Anil Kumar Saini** is the newly elected President of Institution of Electronics and Telecommunication Engineers (IETE), for the term 2023-24.

Prof Saini is a senior professor and former Dean of Management at Guru Gobind Singh Indraprastha University, also known as the IP University of Delhi Government. Dr Saini is currently the Dean of the School of Journalism and Mass Communication, Director- Industry Cell; Director-Development and Director-Internal Quality Assurance Cell (IQAC) of the University. Under his leadership, the IP University received the highest A++ grade from NAAC, Government of India for record 7 years (highest in Delhi) as well as University has been listed in top 1400 Universities of the World according to the 2024 QS World University Rankings.

Dr Saini is a postgraduate in Physics, Management, and Computers and holds a PhD from the FMS University, Delhi. In addition to more than 120 scholarly

articles published in respected national journals/ conferences, Dr Saini has authored 17 books. Dr Saini has supervised 16, PhD candidates, and 8 more are expected to conclude their PhD degrees shortly.

The “Lifetime Achievement Award” and “National Integrity Award” have been bestowed upon him by the Government of Delhi for his outstanding contributions. He has also been awarded the National Integrity Award by Commission of OBC, Govt of Delhi in 2023. He has traveled extensively abroad, including a Teacher-Exchange trip to Europe for teaching courses. He has been pro-actively involved with professional associations and is Fellow and Senior Life member of Computer Society of India (CSI), Fellow of Institution of Electronics and Telecommunication Engineers (IETE), Life Member of AIMA, Operational Research Society of India (ORSI).

**The Members of IETE extend their sincerest congratulations to their newly elected President.**

## IETE International Conference on “Cyber Threats and Security 2023” (IETE-ICCTS 2023), by IETE Noida Centre

Both the pandemic and the conflict in Ukraine have highlighted new cyber-attack risks on individuals, businesses, and nations. On May 1 and 2, 2023, IETE Noida Centre hosted the **International Conference on Cyber Threats and Security** at Galgotia’s College of Engineering and Technology. The focus of the conference was on the theoretical and practical aspects of the security, privacy, trust, and resilience of networks, systems, and services, as well as methods for addressing their vulnerabilities and mitigating sophisticated cyberattacks. The intense two-day conference brought together policymakers, business leaders, academicians, researchers, and cybersecurity experts from security forces, as well as eminent speakers from India and abroad, who delivered keynote speeches, expert panel discussions, technical sessions, and technology demonstrations.

As a precursor to this event, last year, the Noida Centre had launched **The IETE Cyber Security Knowledge Series** on Aug 06, 2022. The first highly successful **Zonal Conference on Cyber Security**, held on 02-03 Sep 2022 was a high-profile event organized at a large scale with the aim to directly address Government of India’s emphasis on creating awareness about Cyber Security knowledge areas, challenges and opportunities. This was followed by a **Cyber Security Awareness Workshop** in November 2022 and a National Conference on the subject in Jan 2023.

Welcoming delegates, **Col (Dr) Bipin Pandey (Retd)**, Chairman Noida Centre, stated that the IETE-ICCTS was planned as an interdisciplinary conference inviting participation from a broad technical, security, military, researchers, and policy makers community, with a focus on multiple tracks related to cyber threats, security, and resilience, as well as Cyber-Physical-Systems. He thanked All India Council of Technical Education (AICTE), Broadband India Forum, and Galgotias College of Engineering and Technology for their invaluable support and thanked **Shri Sunil**, Additional Director General, Prasar Bharti, in particular, for his assistance with the conference.



Chief Guest, **Lt Gen Rajesh Pant, PVSM, AVSM, VSM (Retd)**, National Cyber Security Coordinator & Special Secretary to Govt of India, in his enlightening address, cautioned that as the digitally connected world has expanded at an extraordinary rate, so have the scale of vulnerabilities and the frequency of attacks that we face. Cybersecurity and cyber resiliency are crucial to national and international security. He provided an overview of the related policy initiatives in India, outlining the main components of India’s Cyber Security Strategy and its overall significance to the economy and society of the country.

**Prof (Dr) V Gunasekhar Reddy**, President, IETE, commended the Noida Centre Team for their initiative to initiate the Cyber Security Knowledge Series, culminating in the ICCTS-2023 conference. He emphasized the

importance of adopting a multifaceted strategy for combating cyber threats effectively. The development of comprehensive strategies and frameworks requires the collaboration of government agencies, private businesses, academic institutions, and international partners. This in-person conference provides opportunities to network, make new acquaintances and

renew old friendships and showcase the products, services and technologies, he said.

**Prof (Dr) Mohd Asim Qadri**, Director, Galgotias College of Engineering & Technology remarked that understanding the big canvas of cyberspace dynamics and threat perspectives can help organizations stay alert and proactively formulate and implement strategies for emerging cyber threats.

The conference comprised six tracks, namely **Cyberthreats and Detection, Critical Infrastructure Security, Information and Applications Security and Cryptography, Network and IoT Security and IoT Forensics, Responsible AI in Cyber Military Domains and Cyber Resilience and Cyber Information Warfare**. These topics were covered through keynotes, expert talks and research paper presentations.

## IETE International Conference India (iici-2023) on “AI & ML Driving 5G-Advanced & 6G”, Bangalore

**IETE International Conference India-2023 (iici-2023)** on “AI & ML Driving 5G-Advanced & 6G”, was organized by IETE Bangalore Centre jointly with Bharat Electronics Limited (BEL) & Centre for the Development of Telematics (C-DOT) from 3rd to 5th May 2023 at BEL Academy of Excellence (Nalanda), Bengaluru.

The program included eight pre-conference tutorials on 3 May 2023, an inauguration, two panel discussions, six keynote addresses, two industry talks, a valedictory function on 4<sup>th</sup>-5<sup>th</sup> May 2023; forty-eight paper presentations on 4<sup>th</sup> & 5<sup>th</sup> May 2023; fifty-one exhibition stalls from thirty-four exhibitors, and a cultural program followed by dinner on 4 May 2023.

On May 3, 2023, eight **pre-conference tutorials** were conducted by leading experts in the field of **5G advanced and initial research in 6G / AI/ML**. These tutorials covered in-depth more subtle aspects of these technologies. **Dr G Sateesh Reddy**, Secretary, Ministry of Defense, Government of India, and **Sri Sanjeev Agarwal**, DoT Member (T), inaugurated **iici-2023**. In his inaugural address, **Dr Sateesh Reddy** discussed various

government policies and emphasized the need for timely implementation of new ideas and innovations, for which he pledged government support. The two-day conference featured eight plenary sessions with two to three presenters per session. 15 minutes were allotted to each speaker's presentation, followed by 5 to 10 minutes for queries.

The purpose of the conference was to promote discussion among participants regarding the central themes of the small states project. This was achieved by hosting small group debates, minute papers, and full group discussions on pre-prepared questions following each session. Each day concluded with a period of group reflection on the day's discussions.



The valedictory addresses of **Dr Surendra Pal**, Former VC, DIAT & AD, URSC, DFIETE & Past President IETE and **Shri Harikumar**, GM (Technology), BEL provided a fitting conclusion to the conference by summarizing the topic in detail. **Dr C P Dwivedi**, Organizing Chair of iici-2023 and Chairman of the IETE Bangalore Centre, acknowledged and thanked all iici-2023 stakeholders profusely.

## Virtual Signing Ceremony of the MoU between IETE & IEEE



The Memorandum of Understanding between IEEE and IETE has been renewed for a period of five years. This signing ceremony was done in online-mode between **President, IEEE Prof (Dr) Saifur Rahman** and **President, IETE Prof V (Dr) Gunasekhar Reddy** on 20<sup>th</sup> August 2023, where Past Presidents of the Institution, Distinguished Fellows and Prof S K Koul, EIC IETE Journal of Research were present.

This MoU is in recognition of the similarity of our missions, goals and longstanding record of service to the professional needs in the fields of electrical, electronics and telecommunication engineering. Through this MoU, possible, collaboration in the areas of membership, publications, technical meetings, and various joint activities will be promoted. The parties have agreed to number of joint activities in reciprocity, like submission of papers in publications, subscription to publications, affiliate memberships, cooperation in mutual professional growth, publishing announcements in one's publications, provision of speakers for talks and seminars, publicity of websites, availability of web based instructional modules to each other members on terms and conditions.

## News from IETE Headquarters

### World Telecommunications and Information Society Day on 17<sup>th</sup> May 2023- A Report

On May 17, 2023, the IETE headquarters hosted World Telecommunications and Information Society Day. It is a day designated to raise awareness about the use of the internet and other information and communication technologies (ICT) in society and to help bridge the digital divide. The theme for this year was “**Empowering Least Developed Countries (LDCs) through Information and Communication Technologies.**”

The observance began with the illumination of the ceremonial lamp and the Saraswati Vandana. The dignitaries on the dais included the chief guests, **Shri G Laxman**, National Joint Organizing Secretary, Akhil Bhartiya Rashtriya Shaikshik Mahasangh and **Dr G Satheesh Reddy**, Scientific Advisor to Raksha Mantri, Ministry of Defense, Govt of India; **Lt Gen (Dr) Rajesh Pant**, PVSM, AVSM (Retd), National Cyber Security Coordinator & Special Secretary to Govt of India; **Prof (Dr) V Gunasekhar Reddy**, President, IETE;

**Prof Baswaraj Gadgay**, Vice President & Zonal Mentor, South; **Prof Pranati Panda**, Head, School Standards & Evaluation, NIEPA, Guest of Honour, **Prof Sanjeev Singh**, University of Delhi and **Gp Capt Sonpal Singh (Retd)**, Secretary General.

**Prof Baswaraj Gadgay** read the essence of a video message from **Ms Doreen Bogdan Martin**, Secretary General of the ITU, in which she expressed concern over some of the most unjust digital inequalities existing in LDCs, in his introductory remarks. She remarked that ICT offers LDCs a unique opportunity to improve communication between communities in order to attain social cohesion and make more efficient use of natural resources. Prof Gadgay elucidated on the topic by emphasizing that ICTs can be utilized effectively to improve health services by providing timely medical advice. E-commerce deployment in LDCs creates opportunities for local artisans to showcase their products globally, thereby boosting their incomes and the economic development of the country. Prof Gadgay mentioned that to achieve digital literacy at large, both private and public sector organizations need to work together. He entreated all stakeholders to restore IETE's old glory.

**Prof (Dr) V Gunasekhar Reddy**, provided an overview of the multifarious activities of the institution. Particularly, he complimented **Lt Gen (Dr) Rajesh Pant**, PVSM, AVSM (Retd) for mentoring the Noida Centre for the Seminar on ‘Cyber Threats and Security’ and appreciated efforts put in by IETE Noida Centre, led by Centre Chairman **Colonel (Dr) Bipin Pandey**, to foster connections with three universities, namely IILM University Gurugram, Sharda University, Greater Noida, and Galgotias University, Greater Noida through collaborative endeavours. President also mentioned how **Prof Gadgay** labored tirelessly to upgrade the Gulbarga Sub-Centre to the full Kalaburagi Centre, resulting in a record 800 new members. He thanked BES's President and Honorable Treasurer, **Shri Sunil**,

for providing a booth at the Broadcast Engineering Society's Expo, BES 2023. **Dr M M Tripathi**, DG, NIELIT, was commended for signing a Memorandum of Understanding to conduct courses on current topics such as Blockchain, Artificial Intelligence, Machine Learning, etc. He lavished praise on over 700 ISFs that serve as pivotal points for achieving academic objectives. **Prof Shibhan K Koul** was lauded for his role in providing international exposure at the IEEE Microwaves, Antennas, and Propagation Conference (MAPCON 2023), held in Bengaluru, and for devising an inventive strategy to clear a massive backlog of articles. A Memorandum of Understanding with IEEE for joint publications is another feather in IETE's headwear.

**Dr G Satheesh Reddy**, Scientific Advisor to the Raksha Mantri, remarked that while the world is undergoing a transformation as a result of rapid advancements in communications using technologies such as 5G, 6G, AI, ML, IoT, and drones, etc., this progress is marked by pervasive severe inequality. In Africa, for example, the fraction of the population that uses the Internet is much lower than in the EU and even Arab nations. This poses a substantial challenge to the global community as for those left out, not to speak of respectable quality of life -- even necessities like health-care and education are inadequate if not outright unavailable. If the LDCs are to truly develop, the investment scenario should be viewed as an opportunity to transform their economies through the use of ICTs, and not simply as a commercial opportunity. For instance, the effective deployment of ICTs in LDCs can significantly increase agricultural productivity, thereby making funds available for rural communities to spend on items other than food. Such an ecosystem will add considerable value and go a long way towards bridging the ‘Digital Divide’.

**Lt Gen (Dr) Rajesh Pant**, National Cyber Security Coordinator & Special Secretary to Govt of India in his characteristic way explained the issue as follows. In a village, a road was constructed 25 years ago, enabling inhabitants' mobility and thus their economic activity. Eventually, industrial investment began pouring in, transforming the lives of the villagers. Similarly, tactical ICT deployment in LDCs will eventually result in their empowerment. Without naming specific nations, he warned against the unhealthy trend of ‘weaponization’ of interdependence by certain nations. Such an approach generates concerns about “national security” and “data leakage.” A silver lining on the horizon, according to him, is ‘One Web’, a collaboration between Bharti Airtel and the United Kingdom that utilizes 618 low-orbit satellites to bring 1 GB connectivity to remote regions and rural communities. It will be a Game Changer if the stated goal of supplying broadband internet satellite services by July 2023 is achieved. Lt Gen Pant also emphasized





the crucial role of online-accessible, free software modules, which will effectively increase the Return on Investment (ROI) on ICT.

**Prof Pranati Panda**, Head, School Standards & Evaluation, NIEPA, was the guest of honour and spoke about the economic/social transformation that is possible through the use of ICT tools to attain a “Knowledge-society.” To achieve UN Sustainability objectives, the developing world must provide assistance to LDCs afflicted by a severe economic crisis. In LDCs, children attend education for only 2.8 years, whereas the global average is over 6 years. She stated, citing IGNOU, that India is a model for equitable access to education and that Open Schools founded on ICTs are a solution for LDCs. She advocated for the efficient institutionalization of ICT tools through online systems. In addition to bridging the digital divide, the use of ICTs in LDCs will satisfy the rising aspirations of youth for a high quality of life.

Guest of Honour, **Prof Sanjeev Singh**, University of Delhi, South campus highlighted that Indians are prolific users of mobile phones for applications

spanning from entertainment, social media and financial transactions. He said that mobile has become the *de facto* platform for accomplishing tasks. However, the increasing connectivity makes us more susceptible to malware attacks, which are increasing in frequency and severity. LDCs can utilize India’s innovations such as UPI, NEP 2020, and CUET to close the digital and educational gap. Educating youth through ICTs is the key to transforming LDCs by creating opportunities for gainful employment. Noting that the network has become the ‘central learning platform,’ SWAYAM can provide youth in LDCs with unparalleled educational resources. SWAYAM is an excellent illustration of “Digital Transformation of Learning.”

According to **Shri G Laxman**, the concept of “Inclusiveness” is an underlying fundamental attitude within our cultural framework. As a result of historical circumstances, our advancement experienced a temporary halt. However, in recent times, we have made significant strides, exemplified by our transition from 4G to 5G and now to 6G. Notably, the 6G domain has already witnessed the submission of more than 100 patents. Many nations are expressing curiosity regarding our country, as they observe the implementation of rapid infrastructure development initiatives such as the construction of motorways and the introduction of Vande Bharat trains. Additionally, the launch of numerous satellites at highly affordable rates has also garnered attention. The individual specifically highlighted the advancement of domestic cryogenics during a period of sanctions imposed on India, while countries possessing such technology refused to provide us with access.

The Secretary General, **Gp Capt Sonpal Singh (Retd)**, presented a vote of thanks on behalf of the Governing Council, expressing appreciation to all stakeholders for their contributions to the successful outcome of the event. The event concluded with the reciting of the national song, followed by dinner.

## ISF Congress (East Zone) & IETE Zonal Seminar on “Data Science Communication and Information Security” at Lucknow

The IETE Zonal seminar on **Data Science Communication and Information Security** was organized by the Lucknow centre in collaboration with ASET, AUUP Lucknow on May 26-27, 2023. It gathered aspiring engineers, researchers, and practitioners in the fields of Data Science, Communication, and Information Security to discuss new theories, methodologies, and applications. The primary focus was on identifying the obstacles encountered when addressing actual data science problems. The seminar included both a paper/poster presentation and hands-on training on MATLAB information security tools. The event also assessed the ethical and societal implications of Data Science and its effect on cyber-security.

Following dignitaries graced the occasion: **Shri Asif Siddiqui**, currently General Manager in ISRO Telemetry Tracking & Command Network Lucknow; **Dr Arun Kumar Singh**, Chairman, IETE, Lucknow; **Prof Y N Singh**, Sr Professor and Dean, Electrical Engineering Department, IIT Kanpur; **Dr Neelam Srivastava**, Prof & HOD, IET Lucknow; **Dr Sudeep**

**Tanwar**, Professor, Nirma University Gujarat; **Dr Minakshi Memoria**, HOD CSE, Uttaranchal University, Dehradun, India; **Dr Shriram Vasudevan**, Lead-Evangelist Intel Software Innovator Bangalore; **Mr Mohd M Zafar**, National Manager Design Tech Systems Pvt Ltd, New Delhi and **Dr Saurabh Dixit**, 2<sup>nd</sup> Vice President Northern Operating Solutions, Pune.

Following subjects were brought up: Peer-to-peer systems, Symbiotic Radio - A New Wireless Communication Paradigm for the Internet of Things and its Future Scope, Industry 4.0 and Industrial IoT, Overview of IPv6 Security, Homomorphic Encryption, Security by Algorithms Utilization of Blockchain Technology in 5G and Beyond, Artificial Intelligence, and Machine Learning.

In addition to participating in the Zonal Seminar and presenting the Poster Presentation, ISF students also presented their projects and received awards.

It was hoped that by working together, IETE Lucknow Centre could host more international conferences and establish fruitful partnerships with other groups and people.



## (ISF) Congress on “Electronic Hardware Skill Intervention” at Chandigarh

The IETE Chandigarh Centre successfully organized a one-day ISF Congress on ‘Electronic Hardware Skill Intervention’ on June 27, 2023 jointly with ISF at CSIO-ISTC, Chandigarh under ‘One Week One Lab (OWOL)’ programme of CSIR-CSIO at CSIR-CSIO Auditorium, Chandigarh.

The event began with the Saraswati Vandana and the Jyoti Prajwalan. **Dr Amod Kumar**, Chairman of IETE Chandigarh, welcomed the Chief Guest, **Prof (Dr) V Gunasekhar Reddy**, President of IETE.

**Dr Amol P Bhondekar**, Senior Principal Scientist and Head of Department-Electronics-ISTC, CSIO, introduced the Indo Swiss Training Centre (ISTC) of CSIR-CSIO, Chandigarh to the audience and explained about the teams that were participating in the ISF Congress. **Sh Upendra Kumar**, Principal Technical Officer and ISF Coordinator, ISTC-CSIO, Chandigarh, provided information regarding the ISF Congress’ various competitive events and their evaluation criteria.

IETE Governing Council Member **Gp Capt R C Goyal, VSM (Retd)** introduced the audience to the ISF @ IETE, its benefits to students and

member institutions.

**Prof (Wg Cdr) P Prabhakar (Retd)**, IETE Immediate Past President, spoke on the organization’s accomplishments and the significance of the conference subject. The ISF Congress was officially inaugurated by **Prof V Gunasekhar Reddy**, President of IETE and Chief Guest of the event. During his opening speech, he praised the Congress’s organizers for their excellent choice of theme. The exponential development of the electronic sector in the recent years, he pointed out, has greatly increased the significance of Electronic Hardware.

**Dr Sanjeev Kumar**, Honorary Secretary, IETE Chandigarh Centre delivered the vote of thanks.

There were about 15 teams total, all representing different ISF chapters. There were three separate contests held that day: **Electronics Hardware Skill Competition, Science Fiction Idea Presentation and Project Expo**. Prominent scientists judged all three competitions, and monetary prizes were awarded to the first and second place finishers in each category.



For the benefit of the IETE-ISF chapters, the IETE office-bearers gave an introductory presentation in which they explained the entire ISF system. **Dr Amod Kumar**, Chairman IETE Chandigarh Centre, and **Prof V Guna Sekhar Reddy**, President IETE, **Gp Capt R C Goyal, VSM (Retd)** Chairman, ISFs, had an open discussion about the various activities, challenges, and resources available to IETE Chapters across the country.

Certificates were handed out to everyone who attended the Valedictory celebration, and the winning teams received cash awards and mementos from **Dr Amod Kumar**, Chairman, and **Gp Capt R C Goyal, VSM (Retd)**.



Discussions with ISF Coordinators

## Congratulations to Newly Elected Governing Council Members (2023-2026)



**Ajay Kumar (F-037192)**, Chartered Engineer, FIETE, PhD (CSE), IETE Alumnus, was the Head of Broadband and Access Technology at the Advance Regional Telecom Training Centre (ARTTC) in Ranchi, Jharkhand Telecom Circle. Worked for 27 years at DoT/BSNL and has over 15 years of teaching experience at the Apex

Telecommunication training center. He is a veteran of the Indian Army (EME), a former faculty member at MCEME, Secundrabad (1986-1992), an IETE GC Member (2019-2022) and the Zonal Mentor of the IETE East Zone (2019-2022), and the Chairman of the IETE Membership Committee (2021-2022). He served IETE Hyderabad Centre in multiple capacities, including as an ex-executive member, honorary treasurer (2009-2013), and honorary secretary (2013-2016). He was also the former chairman of the Ranchi Centre. He organized numerous international and national conferences, including ones in Kathmandu, Nepal, and Zonal seminar at the IIT, Guwahati. His areas of interest include the advancement of IPv6, data communication, broadband and access technology, and the Internet of Things. He is a member of numerous Indian professional societies. He has lectured on NGN and VLSI design, IPv6 and 5G technology, and is a master trainer for IPv6 and 5G technology.



**K Gnaneshwar Rao (F-146846)** holds a BTech (ECE), an MS (CSE), and a PhD Sponsored by IEEE, Voice of America, USA provided training on novel broadcast technologies. A recipient of numerous national and international awards in the technical category for educational broadcast programs created for UGC, HRD via EMRC, Osmania University. Serving IETE Hyderabad Centre in numerous capacities for the past three decades as EC Member, Honorary Secretary, Vice Chairman, and Chairman. As Chairman and Honorary Secretary, he won the Best Centre Award for three consecutive years. On 30 April 2023, he retired from the EMRC as an Engineer Grade -1. Continuing as MOOCS-SWAYAM consultant technologist and engineering college guest faculty. Currently, functioning as Honorary Professor at Hyderabad's Shadaan College of Engineering. He is a life member of the Broadcast Engineers Society, the Instrumentation Society of India, the Institute of Engineers India and the Bharathiya Vidya Bhavan.



**Shiv Kumar (F-045109)** is a digital transformation expert and thought leader with expertise in mobile communication, telecom & IT policy advocacy and regulatory framework. He has served Qualcomm, Nokia, NSN, Ericsson, DoT, BSNL/MTNL, and the Software Technology Parks of India (STPI)-MeitY,

Government of India during his 35 years of experience. Currently, he is Principal Advisor at Broadband India Forum (BIF), an independent think-tank of India, on Policy Advocacy and Regulatory in IT and Telecom arena. He is also the Director General of the Blockchain for Productivity and Bharat IPv6 Forum. In addition, he is a techno-entrepreneur in the fields of skill development, capacity building, and the provision of business solutions in IPv6, blockchain, cyber security, and IoT. Trusted by Fortune 500 companies ranging from minor to large, such as NEC Technologies, Panasonic India, Larsen and Toubro (L&T), NIXL, MDA, TSSC, and CBS Technologies, among others. Providing solutions, services for enhancing competence, reskilling, and upskilling. He had

mentored and changed the lives of over one lakh young people. Excellence and Collaboration are central to his strategy. As part of the Government of India's Skill Development initiatives, he successfully completed multiple projects with TISS, NIELIT, the Center of Excellence on Smart City Communication Technologies (under the aegis of NSDC), and NIESBUD. As a Fellow of IETE and a Member of AIMA, NASSCOM, and the Data Security Council of India (DSCI), he had been actively participating in and contributing to professional and social organizations. He is a Master Trainer on 5G technologies, Industry 4.0 (IASC), and Advanced Cyber Security as certified by SETS under the Principal Scientific Advisor (PSA) to the Government of India.



**Ramesh Gorantala (DF036796L)**, MDT/RC, Grad IETE, PGDOM (IGNOU), MTech (QM/BITS), MA (STL/NALSAR); 3 Proficiency courses (FM, PMBS & DM/IISc) is a staunch supporter of the IETE's motto. You can reach him at 09663399311 or over Whatsapp/email at [rgieteb@gmail.com](mailto:rgieteb@gmail.com) if you have any suggestions

or ideas that will help IETE achieve its mission. Shri Ramesh joined IETE as a Student Member in 1981, while he was enrolled in a four-year Special Diploma Course MDT/RC (conducted under an INDO-USSR credit agreement) at Hyderabad. In 1985, while working at ISRO Satellite Centre-Bangalore, he completed Grade IETE. Shri Ramesh was compelled to assume the role of Chairman Student Chapter Committee in 1985/86 in order to restore Grad IETE's status at ISRO/DOS. Since then, he has maintained his dedication to IETE. As a member of the Executive Committee, Honorary Joint Secretary, Honorary Secretary, and Chairman of the IETE Bangalore Centre, Shri Ramesh successfully discharged a number of organizational duties. Since 2016, he has made significant contributions to numerous Boards and Committees on behalf of the Governing Council. Notably, as Chairman of the Membership Committee, he was accountable for introducing transparency and efficiency to the membership activities, which resulted in a membership increase of record proportions. As Chairman Professional Activities, Revenue Generation Committee Shri Ramesh proposed a sustainable revenue model by taking local centres onboard

Shri Ramesh made significant contributions in the fields of Quality Control, Quality Assurance, Project/Program Management, and Indigenization [Solar Cells (BEL)/ Integrated Circuits and ASICs (BEL/ITI)/Hybrid Micro Circuits (WIE/HAL/ISAC/KHMD)] during his 39-year, 6-month, and fifteen-day tenure at the U R Rao (ISRO) Satellite Centre. In establishing an Indigenous VLSI fab SITAR, he was in charge of Quality Assurance and Process Standardization activities. Shri G Ramesh is a Life Member of a number of other professional organizations, including SEE/IMAPS/ ISRS/ ISSE/ INSRAM. As Honorary Treasurer and Honorary Secretary of Space Officers Association, he made significant contributions to the well-being of the space community. Shri Ramesh has organized numerous national and international conferences for the International Microelectronics and Packaging Society India for over two decades.



**D C Pande (F-126202)** an Outstanding Scientist and was Associate Director at Electronics & Radar Development Establishment (LRDE), as well as a former Dr Raja Ramanna DRDO Distinguished Fellow. He has 45 years of experience in Research, Design, and Development. In 1981, he began his scientific career at LRDE,



DRDO, Bangalore, where he engaged in the Design & Development of Electromagnetic Interference Control Techniques for Ground Based, Airborne, Shipborne, and Submarines apparatus and Systems. He is an expert in the Electromagnetic Design of the country's various Military Radar Systems, Combat Aircraft, Ships, and Submarines, and other Combat Vehicles. Passive and Active Antennas and Test Facilities for Various DRDO Radar Systems were designed and developed by him. He was the first Indian scientist to conduct research in the fields of nuclear electromagnetic pulses and high-power electromagnetics. He has designed the fortified strategic C4I facilities of the NEMP. Presently serving as the Principal Investigator for OTH Radar Antennas at LRDE, Bangalore. He was a member of DRDO's Study Group 'A' on Nuclear Effects and the Department of Electronics' Evolving National Standards Committee for EM Emissions. He has published over 155 Research Publications, 50 technical reports, and book chapters on a variety of Electromagnetics-related topics. Numerous PhD, MTech, and BTech students have been supervised and guided by him. Numerous national honours have been bestowed upon him, including the DRDO Scientist of the Year Award from the Prime Minister in 2006.



**Ravindra Digambar Kharadkar (F-233928)** is graduate, post graduate & doctorate in E&TC. His research area is signal processing. He has over 38 years of academic & over three years of industrial experience. Presently, he is the Campus Director at GH Raison College of Engineering & Management, Pune. He is recipient of Best Director award of SP Pune University. Under his leadership, his Institute got Best Institute award of SP Pune University. He is immediate past Chairman of IETE Pune Centre. He added 10 ISFs, five organizational members & 100+ members at IETE, Pune Centre. He was IETE GC member. He worked as a member of IETE BoA, BoRIS, TPCC, WEE & WM Committees. He was felicitated at the hand of late CDS Gen Bipin Rawat in IETE National Innovation Meet-2021. He worked as member of Board of Studies and faculty of engineering of SP Pune University. He was member of Board of Studies of Bharathi Vidhyapeeth Pune and Solapur University. He is member of Bureau of Indian Standards –LITD19 (E-learning). He is PhD guide of SP Pune University, RSTMU Nagpur and JNTUH. He guided 5 PhD students. He has 4 patents, 52 research papers & 124 copy rights to his credit. He mentored 4 startups and established AICTE-IDEA lab in his Institute & was instrumental in getting SIRO recognition for his Institute. He fetched research funding of over Rs.1Cr for the Institute. Under his guidance his Institute has got 15 patents and 304 copyrights. He is managing editor of

*International Journal of Advanced Computing & Knowledge Discovery.*



**Brigadier Vijay Kumar Panday (Retd) (DF-099223)**, had a brilliant career in Indian Army spanning over three and a half decades. He was commissioned in Indian Army from Indian Military Academy in the Corps of Electronics and Mechanical Engineering in December 1972. He is an expert in Radars and Missile systems.

He had decision-making and strategic planning posts in the Army. After more than 36 years of exemplary service in the Army, he retired as a Brigadier in 2006 and was bestowed with the Chief of Army Staff Commendation. Brig Panday has been an instructor at Military College of Electronics and Mechanical Engineering, Secunderabad and EME School Vadodara. He was Dean, Faculty of Industrial Engineering and Tactics, MCEME, Secunderabad. He was instrumental in setting the procedure, process and allocation of Defence Services catalogue Number (DSCAT) to Defence Services inventory. He has been Director of Engineering Colleges at Moradabad and Kurukshetra for over five years. He guided the operations of The INCLEN Trust International as Chief Operations Officer, which researched and mapped Indian villages' health using GIS.

Brig Panday is a Distinguished Fellow and corporate member of IETE since 2007, has considerable expertise in IETE, academia, and technical administration. From 2007 to 2010, he was IETE Secretary General. He automated exam, membership, and online editing and publishing of IETE Journals, which have an impact factor greater than one, as Secretary General. That period saw record enrollment. He aggressively entered into a MoU with Airtel to encourage skill development and create income for IETE Centers nationwide, resulting in jobs, student skill development, and significant revenue. He has a thorough knowledge of IETE functioning and have revised the SOP of Centres functioning (Red and Green Book). He is an active member of IETE, and served as Governing Council Member for six years, where he chaired Membership Committee, Skill Development Committee and Board of Examinations. He has been a member of Bye Law Amendments & Staff Service Rules. He is a post graduate in Opto-electronics from IIT Delhi & Queens University of Belfast, UK, a Post Graduate Diploma in Radar Technology, a gold medallist in diploma in ADP (System Design), a degree in Electronics and Mechanical Engineering and a bachelors in Science. He also completed SPJIMR's Independent Director's course in Mumbai and the Indian Institute of Management's Creative Decisions Making programme in Kozhikode. He presented talks at Armed Forces Future Technology Seminars/Conferences.

## Advisory Committee Meeting, 20<sup>th</sup> August 2023 IETE Challenges and Opportunities- A Concise Report

**Prof (Dr) V Gunasekhar Reddy**, spearheaded several initiatives during his term as 45<sup>th</sup> President of IETE, culminating in the swan song via conceptualizing the 'Advisory Committee' comprising prominent stakeholders of the Institution, namely Governing Council members, Distinguished Fellows, Past Presidents, President-elect, Newly elected GC members, Centre Chairmen besides Special Invitees. The lively brain-storming session was held on the evening of 20<sup>th</sup> August 2023, where the erudite professor, **Dr K K Aggarwal**, Ex-Chairman National Board of Accreditation (NBA) was in the chair. Valuable suggestions were received from online as well as offline participants. President-elect, **Dr A K Saini**, Professor, Faculty of Management Studies, GGS IP University welcomed this initiative which he said will throw up valuable ideas for implementation to launch IETE on the journey to gain its lost glory.

Prominent participants who offered their views included: Vice President, **Dr K Jaya Sankar**, four Past Presidents, namely **Lt Gen (Dr) A K S Chandele**, **Prof (Dr) J W Bakal**, **Dr H S Sharma** & **Dr T H Chowdary**; **Prof (Dr) R R Deshmukh**, Chairman Board of Awards, two Distinguished Fellows of the Institution, **Brig Vijay Kumar Panday** & **Prof (Dr) S S Agrawal**; **Col (Dr) Bipin C Pandey (Retd)**, Chairman Noida Centre & **Shri B B Rishi**, Chairman, Delhi Centre and **Dr Shiv Kumar**, newly elected Governing Council Member; **Col Balraj Anand**, **Shri R K Vyas**, **Shri R S Chuhan**, **Dr C P Dwivedi**, **Shri H S Bhatia** and **Dr Jyoti Singhai**.

Editor-in-Chief, **Prof (Dr) Shibban K Koul** who provided yeoman's services to IETE since over a decade, steering the galloping rise of IETE journals in International domain, offered following suggestions:-

(i) *Special supplement Issues*: Each special supplement issue generates Rs 25 Lac revenue via APC (Article processing charges). By publishing 10 such numbers annually, Rs 2.5 crore is the potential gain. (ii) *Short-Term Courses*: For final year students, there is need for short-term courses to expose them to the latest techno-commercial trends, making them fine-tune their entry in new assignments. Shri Vimal Wakhu, former CMD of TCIL is interested to partner with IETE in this project. (iii) *MoU with IEEE Microwave Theory and Technology Society and IEEE Antenna & Propagation Society* during the forthcoming event, **MAPCON-2023** on 10-14 December 2023 at Ahmedabad provides opportunity to tap their resources. (iv) *Establishment of Publications Division* in IETE is need of the hour to serve the profession in an efficient manner.

**Dr K K Aggarwal**, Chairman Advisory Committee summed up the proceedings, concluding that time has come to reinvent ourselves via restructuring our thinking and modifying operations. He wondered how IETE can be prevented from being always in the election mode. We must focus on Publications and Short term courses.

## News from IETE Centres/Sub-Centres

### AHMEDABAD

Together with The Institution of Engineers (India) Gujarat Centre, Computer Society of India, Ahmedabad Chapter, AMA, and IEEE Communication Society, the Centre observed the **World Telecommunication & Information Society Day** on 17 May 2023 on the theme “Empowering the Least Developed Countries (LDCs) through Information and Communication Technology” at AMA Hall. **Dr Dharmesh J Shah**, Chairman, IETE Ahmedabad Centre provided an overview of IETE and its activities before reading the President’s message. Panel Discussion started with brief about the theme by **Dr Manish Doshi**, eminent engineer, IEI (Moderator & Panelist), and then each panel member expressed his views on how ICT can empower the least developed countries. Discussion spanned a wide range of topics, including educating individuals about leveraging technology, generating demand, availability of resources – human and infrastructural, funding patterns, etc. **Shri Chintan Bhatt**, Ex-Scientist ISRO and Former Chairman of the IETE Ahmedabad Centre, **Shri Bharat Patel**, Fellow of the IETE, and **Dr Nisarg Pathak**, Former Chairman of the CSI Ahmedabad Chapter, attended the event. All participants’ participation made the discussion more fruitful and productive. More than 105 members of the organizations’ institutes were present. **Shri Niraj Shah** offered a vote of thanks.



### ALIGARH

The 158<sup>th</sup> **World Telecommunication & Information Society Day** (WT&ISD) was celebrated and organized by the IETE Aligarh Centre on May 30, 2023. Fellows and Members of IETE, as well as representatives from other departments of AMU, participated in the event. This year’s theme was “**Empowerment of the Least Developed Countries through Information and Communication Technologies.**” **Prof Ekram Khan**, Chairman, Department of Electronics Engineering AMU, attended the event as the Chief Guest and delivered the keynote address. In his speech, he stated that the world is transforming into a digitally, empowered society and knowledge economy. Reliable energy sources, enhanced digitization, and modern agriculture are the pillars of a modern society in a changing environment. Telecommunications also contribute to the quality of life and can play a greater role in enhancing the quality of life in the least developed nations, especially when fundamental telecommunications services are extended to rural and low-income urban areas. **Prof Muzaffar A Siddiqi**, Chairman of the IETE Centre, Kanpur, welcomed the attendees. The IETE-President’s message was read by **Dr A Samad**,

Honorary Secretary of Aligarh Centre. **Prof Z A Khan**, former chairman and **Prof Naushad**, HoD of Electronics Engineering and coordinator of ISF activities, graced the event. The Honorary Secretary, Dr A Samad, proposed a vote of thanks.



### ALLAHABAD

- The webinar on “**Basic Traps on Semiconductors and Effect of Deep and Shallow level traps on the DC and RF performance of AlGaIn/GaN HEMTs**” was led by **Dr Janesh K Kaushik**, Scientist-F, Solid State Physics Laboratory, Delhi. It was held in two parts on May 12<sup>th</sup> and 19<sup>th</sup>, 2023, by the IETE Allahabad Centre. Chief patron was **Prof Alok Kumar Rai**, Vice-Chancellor of Dr APJ Abdul Kalam Technical University in Lucknow. **Shri Vijay Kumar Vishwas Pant** IAS/Divisional Commissioner Prayagraj, authorized Controller, IERT, Prayagraj, was the Patron. The chairman was **Dr Vimal Mishra**, director of the Institute of Engineering and Rural Technology (IERT) in Prayagraj. The webinar was coordinated by **Prof (Dr) Ram Suchit Yadav**, Chairman, IETE Allahabad Centre, and **Dr Yatindra Kumar**, Head of Electronics and Dean of Admissions at IERT, Prayagraj. The vote of thanks was made by Prof RS Yadav.

- The **World Telecommunications and Information Society Day** celebrations at the IETE Allahabad Centre on May 17, 2023, with the theme “Empowering the Least Developed Countries through Information and Communication Technologies,” included **Prof K K Bhutani** as the Chief Guest. **Prof R S Yadav**, Chairman of the Allahabad Centre, greeted the guests and read the statement from the President of IETE. He also read out the message that the ITU Secretary General had sent. **Dr G S Darbari**, shared his opinions. Prof K K Bhutani emphasized that embracing modern technology can be a solution to society’s challenges. Er R N Mishra, Er M K Singh, Er P N Gupta, Er N C Agawal, and Er Devesh Mishra were in attendance on this particular occasion.

### BANGALORE

The IETE Bangalore Centre has been at the forefront of several forward-thinking technological projects and programs since its beginning. Some of the most recent activities the Centre has been involved in are:-

**16 Apr 2023: Dr Geetha Prakash**, Global Program Manager at Singapore-based Toople Technologies Pvt Ltd, launched the **AI & ML with Python** course on April 16, 2023. The duration of training was ten weekends.

**19 Apr 2023:** The Dept of ECE at Sri Venkateshwara College of Engineering, Bengaluru and IETE Bengaluru have organized a one-day technical seminar titled “**Digital Mentorship Program**” on April 19, 2023. The Resource persons were from Mentor Together, a Bengaluru-based non-profit organization. All SVCE ISF students were encouraged by IETE Bengaluru to participate in the program.

**28 Apr 2023:** Under the auspices of the IETE students’ forum, the Department of Electronics and Communication at KS Institute of Technology, convened a one-day industrial visit for 6<sup>th</sup> Semester students and faculty members to the “**U R RAO Satellite Center.**”



**02-20 May 2023:** CA Exams were held in the Centre. The IETE Centre has a total of 3247 students assigned to it. The Superintendents for the **CA Examinations** were: Dr C P Dwivedi, Dr S G Shivaprasad Yadav, Sri Vinay Avanchi, Sri K S Ravi and Sri C Satyanandan. Shri Dinesh, the Manager, served as the chief invigilator. Over the course of 16 days, exams were given in the afternoon.

**11-28 May 2023:** Summer School in Electronics and Computers (SUSIEC) is IETE Bangalore’s most prestigious activity. IETE held summer school activities for 8<sup>th</sup>, 9<sup>th</sup> and 10<sup>th</sup> graders from the 11<sup>th</sup> to the 28<sup>th</sup> of May 2023, as it does every year in the months of April and May. **Dr K M Sudharshan**, Prof in the School of Electronics at Reva University, and **Dr Vidya Sagar**, Assistant Professor in the School of Electronics at Reva University, represented the University’s most valuable resources. Academically, they attract accomplished academics to the summer school’s daily activities and strongly support IETE Bangalore’s academic endeavours. Summer school students presented project demonstrations and exhibitions to the guest of honour and chief guest, who served as evaluators of the student project, at the commencement of the valedictory ceremony held on 28<sup>th</sup> May 2023. **Sri Rabindra Srikantan** and **Mrs Preethi Rabindra**, managing director and chairperson of ASM Technologies Ltd, Bangalore, who also sponsor the summer school, were the guests of honour. **Shri G R Ravi** (ITS), CGM of BSNL Karnataka, was the chief guest. This was to conclude summer school and celebrate World Telecommunication Day, IETE staged a valedictory ceremony on 28<sup>th</sup> May 2023. **Dr M H Kori**, a former Technical Director of Alcatel Lucent and IETE’s Governing Council member, was the guest of honour. Dr M H Kori emphasized the importance of International Telecommunications Day in his speech. He said that since 1969, people worldwide have celebrated the foundation of ITU and the 1865 International Telegraph Convention on 17 May. He said the day was historic for electronics and telecoms engineers. His speech focused

on “Empowering the least developed countries through information and communication technologies”. The significance of this day should be known by all young engineers, he added. The IETE’s chairman, **Dr Chandra Dwivedi**, pointed out that the celebration was moved up to suit summer school activities and emphasized the day’s importance for the organization and all electronics and telecommunications engineers. All attendees and dais members sang the national anthem to conclude the occasion.



**17 May 2023:** **Dr C V Ravishankar**, Vice-Chairman of IETE Bangalore, addressed as the Chief Guest during World Telecommunication Day festivities held at Brindavan College of Engineering in Bangalore.

## BURDWAN

- As part of its webinar series, the IETE Burdwan Sub Centre and the Department of Physics at the University of Burdwan hosted a presentation on “**Quantum Cryptography: The Future of Secure Communication**” by **Dr Nasir Alam** of Bankura University in India. **Dr Debabrata Biswas**, who serves as the Secretary of the IETE Burdwan Sub-Centre, extended a warm welcome to the researchers, professors, MTech students, and college students in attendance. There were sixty-five people that took part. Dr Nasir Alam gave a presentation titled “Quantum Cryptography: The Future of Secure Communication.”

- The Electrical Engg Dept & IQAC of HIT (Haldia Institute of Technology) and IETE Burdwan Sub-Centre jointly organized a 5-day National Faculty Development Program (FDP) on “**Recent Research and Advancement in Electrical and Electronics Engineering**” during 17-21 April 2023 in online mode. More than a hundred participants attended this FDP which included students from college/university, faculty, professors, and scientists. Chief Guests for the FDP were **Prof Subrata Mondal**, Principal of HIT, and **Dr Anindya Bose**, Chairman of IETE Burdwan Sub Centre. Other Important delegates were **Prof Dilip Dey** (HoD EE Department, HIT), **Prof Tarun Kanti Jana** (Dean School of Engineering, HIT), **Dr Joydeep Chakraborty** (EC member of the IETE Burdwan Sub centre), **Dr Partha Sarathi Das** (Associate Prof. EE, HIT and EC member of IETE Burdwan Sub Centre), **Mr Somnath Mahato** (Hony Treasure of IETE Burdwan Sub Centre), **Prof Rowdra Ghatak** (NIT Durgapur), **Prof H B Goswami**, **Prof Rowdra Ghatak**, **Prof H B Goswami**, **Dr Anindya Bose**, **Sh Pranab Sinha Mahapatra** (MCPI Private Limited), **Dr Arindam Chakravorty** (Bankura University), **Dr Nirav Joshi** (University of Barcelona, Spain), **Dr Debabrata Biswas** (Bankura University), **Shri Primhish Chaudhuri** (Indian Oil Petroleum Pvt Ltd), and **Dr Tarun Kanti Jana** were among the distinguished speakers at the FDP. **Dr Partha Sarathi Das** gave the thank-you address.

## CHANDIGARH

• IETE Chandigarh Centre in association with ISF at Thapar Institute of Engineering and Technology, Patiala conducted a workshop on **Fuzzy Logic** on 15<sup>th</sup> April 2023 at Thapar University, Patiala. **Dr Amod Kumar**, Chairman, IETE Chandigarh Centre, accompanied by **Dr Sanjeev Kumar** (Hony Secretary) and **Dr P K Awasthi** (Hony Treasurer) visited TIET, Patiala. Vice President, IETE Students' Forum, **Dr Ashutosh Kumar Singh** and **Shri Bharat Garg** welcomed the delegates. **Dr Amod Kumar** explained the concept of Fuzzy Logic, providing real-world examples. Fuzzy Logic is an approach to processing variables that permits the processing of multiple possible truth values through the same variable. It attempts to solve problems by employing a broad, ambiguous spectrum of data and heuristics that allow accurate conclusions to be drawn. Following IETE SF, TIET received an overwhelming response from attendees. Over one hundred TIET students attended the workshop, which served as the kickoff for the eighth iteration of IETE's annual tech-fest, ELEMENTOS. IETE SF, TIET commended IETE Chandigarh Centre for their assistance and wished for a long-lasting relationship between the two organizations



• On 17<sup>th</sup> May 2023, the IETE Chandigarh Centre celebrated the 55<sup>th</sup> World Telecommunication & Information Society Day (WT&ISD-2023) on the theme “**Empowering the Least Developed Countries through Information and Communication Technologies.**” After inaugural rituals **Prof (Dr) Amod Kumar**, Chairman, IETE Chandigarh Centre, welcomed **Dr Garima Saini**, Assistant Professor, NITTR, Chandigarh, the invited speaker of the event, EC Members of Chandigarh Centre, Corporate Members, and student participated on the day. The Chairman also touched upon the theme of the day and emphasized its origins and key aspects. **Dr Sanjeev Kumar**, Hony Secy of the Centre, read the messages and preamble from IETE President **Prof (Dr) V Gunasekhar Reddy** and ITU Secretary General **Ms Doreen Bogdan Martin**. Both the messages and the preamble highlighted the importance of understanding the benefits that the Internet and other information and communication technologies (ICT) can bring to societies and economies, as well as the means to bridge the digital divide. The invited speaker, **Dr Garima Saini**, delivered a presentation on “**5G Communication & Applications.**” It was evident from the lengthy question-and-answer session that her presentation sparked a great deal of interest among the audience in diverse mobile technologies. The event was attended by over 110 IETE Corporate members and students from IETE and NIELIT Chandigarh. **Dr PK Awasthi**, Hony Treasurer, IETE Chandigarh Centre, gave the formal vote of thanks.

• The Centre and CSIR-Central Scientific Instruments Organisation, Chandigarh successfully organized a one-day workshop on 4<sup>th</sup> July 2023 at IETE Auditorium, Chandigarh under the CSIR-Integrated Skill Initiative (CISI) Programme. The workshop covered ‘**Fundamentals of Additive Manufacturing Techniques**’. **Shri Narinder Singh Jassal**, CSIR-CSIO Sr Principal Scientist & Head BDG, inaugurated the session. He welcomed speakers, ISTC-CSIO students, dignitaries, and other delegates. He promoted DSIR's PRISM initiative to fund innovators/startups. The event featured three invited speeches. **Shri Vijay Kumar Meena**, Principal Scientist, Manufacturing Science and Instrumentation (MSI), CSIR-CSIO Chandigarh, gave the first session on ‘**Additive Manufacturing & Its Application.**’ **Dr Kapil Kumar**, Assistant Professor, NIT Jalandhar delivered the second talk on ‘**Additive Manufacturing for Innovation Design and Production**’, and **Dr Bikash Kumar**, Assistant Professor, NIT Jalandhar delivered the third talk on ‘**Process-structure-Property Co-relation Study of Laser Based Joining and Additive Manufacturing process.**’ All three sessions covered ‘**Fundamentals of Additive Manufacturing Techniques**’. A lengthy question-and-answer session showed student and audience interest. The gathering included over 50 IETE Chandigarh and CSIR-CSIO students and personnel. Finally, **Dr Sanjeev Kumar**, Honorary Secretary, IETE Chandigarh Centre, gave a formal vote of thanks.



• IETE Chandigarh Centre invited **Dr Vikas Gupta**, Dean (Academic), Professor, Dept of EXTC, (VCET), Vasai, for a discussion on ‘**Digital Signal Processing in VLSI**’ on 7<sup>th</sup> Aug 2023 at IETE Auditorium, Chandigarh. The welcome address was presented by **Dr Amod Kumar**, Chairman IETE Chandigarh Centre. He greeted invited speaker **Dr Vikas Gupta**, **Gp Capt R C Goyal, VSM (Retd)**, GC Member IETE, Honorary Treasurer **Dr P K Awasthi**, IETE Chandigarh Centre, and employees and students from IETE and NIELIT Chandigarh, attended. The discussion centered on the applications of Digital Signal Processing functionalities that can be found on VLSI chips in general and FPGA in particular. An extended question-and-answer session showed student and audience interest. The presentation ended with a formal vote of thanks from IETE Chandigarh Centre Chairman **Dr Amod Kumar**.

## CHENNAI

• IETE Chennai Centre held webinar on the topic “**Roadmap to 6G Technology: Challenges & Opportunities**”, by the Guest Speaker: **Shri Jayanandan Thulasiraman**, Assistant Professor, School of Electronics Engineering, Vellore Institute of Technology, Vellore on 6 April 2023.

• The Chennai Centre celebrated **World Telecommunication & Information Society Day (WTISD)** on 17<sup>th</sup> May 2023. **Dr D Vijendra**

**Babu**, Honorary Secretary, greeted the attendees and provided a concise history of the 17<sup>th</sup> May event commemorating the establishment of the International Telecommunication Union (ITU) and the signing of the First International Telegraph Convention in 1865. In addition, described the need for the Public and Private sectors to make commitments for Universal connectivity and digital transformation in the Least Developed Countries (LDCs) via the Partner 2 Connect Digital Coalition. **Shri Tata Sudhakar**, Past Chairman of the Chennai Centre, read the message from the President of IETE Headquarters and delivered his special address. **Prof R Karthikeyan**, Executive Committee Member, IETE, Chennai introduced the Chief Guest of the day **Dr P Malliga**, Professor of Computer Science & Engineering, Head, Department of Educational Media and Technology, National Institute of Technical Teachers Training and Research (NITTTR), Ministry of Education, Govt. of India, Chennai, who delivered an insightful speech on Empowering the Least Developed Countries via Information and Communication Technologies. She elaborated on the Network Readiness Index and methods to empower LDC through ICTs. **Shri N Sridharan**, Honorary Treasurer, IETE Chennai Centre, honoured the Chairmen of Sister Professional Societies. **Dr K Porkumaran**, Chairman of the IEEE Madras Section, **Shri S Muthusami**, Chairman of the Broadcast Engineering Society of India, **Dr S Clouding**, Chairman of the IET Chennai Local Network, and **Ms Mythili Prakash**, Chairman of the Computer Society of India, delivered celebration addresses. 65 members of the aforementioned professional societies were present. **Prof M Arun**, a member of the EC, proposed the vote of thanks.



- **33<sup>rd</sup> Annual General Meeting** of IETE Chennai Centre was held through Google Online mode on 25<sup>th</sup> June 2023. The welcome address was given by the Chairman and report of the activities for the Year 2022-23, while the accounts and finances of the centre was presented by the Honorary Treasurer.

## HYDERABAD

Hyderabad Centre held a series of Online /offline activities on various topics as under: -

- **Dr D V Ramana**, Academic Advisor, Dept ECE, Pallavi Engineering College, and Data Strategist-Consultant (Industry Expert), spoke on “Emotional Intelligence in the Educational System” on 2<sup>nd</sup> April 2023 as part of Knowledge Sharing Session-93: Webinar-125. Invited were distinguished scientists, former chairmen, GC members, Co-opted members, special invitees, distinguished members, professors, and faculty.

- In Knowledge Sharing Session-94, Webinar-126, **Dr B Suneela**, Associate Professor, Department of ECE, Malla Reddy Engineering College, presented a webinar session on “Massive MIMO Communication for 5G” on 9<sup>th</sup> April 2023.

- **Dr J Naga Vishnu Vardhan**, Professor, ECE, BVRIT Hyderabad College of Engineering for Women, led the Knowledge Sharing Session-95: Webinar-127, on “Need of Innovation in Present Generation” on 16<sup>th</sup> April 2023.

- Knowledge Sharing Session-96: Webinar-128 was presented by **Er Anupam Tiwari** (F209735) IETE Hyderabad on “Application of Distance Metrics, Similarities & Differences in Data Analytics” on 23<sup>rd</sup> April 2023.

- The Centre hosted the **17<sup>th</sup> Prof K K Nair Memorial Lecture** on 30<sup>th</sup> April 2023. **Sri M K Pavan Kumar**, an IT professional, was the guest speaker.

- For Knowledge Sharing Session -97: Webinar -129, “Introduction to CMOS Digital IC design” was the topic for discussion on 7<sup>th</sup> May 2023. The speaker, **Dr Telugu Maddileti** was the Dean, Center of Excellence and Professor, Malla Reddy Engineering College.

- For Knowledge Sharing Session No. 98: Webinar- 130, **Prof Jyotsna Kumar Mandal**, Vice Chancellor of Raiganj University, Raiganj, West Bengal, spoke on the topic of “Predictive Analytics of Neural Computing-based Security Protocol” on 14<sup>th</sup> May 2023.

- The Centre celebrated World Telecommunication and Information Society Day on the theme: “Empowering the Least Developed Countries through Information and Communication Technologies” on 17<sup>th</sup> May, 2023 in hybrid mode. Chairman of the Infinity Foundation in the United States, **Shri Rajiv Malhotra**, delivered the keynote address on “Artificial Intelligence and the future of power.” The Special Guest **Shri P Balaprasad**, Chief Innovation Officer of TCS, delivered a lecture entitled “Chat GPT4 - Boon or Bane,” and another special guest **Sri Srikanth Chandrasekaran**, Country Head – IEEE India and Global Lead – Foundational Technologies Practice, IEEE South Asia, delivered a lecture entitled “Skilling for the AI Era.” The Centre Chairman **Prof Nuli Namassivaya**, **Sri Ashwani Kumar Sangamker**, Honorary Secretary, presided over the program and **Shri Mohan Raju**, Director of CTMS coordinated the event.

The **18<sup>th</sup> Dr T H Chowdary CTMS Endowment Lecture** was held on the same day and this lecture was by **Shri Rajiv Malhotra**, Chairman, Infinity Foundation USA.

- The Hyderabad Centre held a Knowledge Sharing Session-99: Webinar -131 on 21<sup>st</sup> May 2023 via an online platform, with **Dr NVSN Sarma**, Director of IIIT, Tiruchurapally, speaking on the topic “Terahertz Technology & Applications.” There were 100 participants at this event.

- **Sri K Srinivasa Raju**, CEO of Unistring Tech Solutions, led Knowledge Sharing Session-100: Webinar -132 on “Latest trends in Electronic Warfare and Radar systems (focused on Drone and UAV applications)” on 28<sup>th</sup> May 2023.

- On 4<sup>th</sup> June 2023, **Dr Shanmuganatham**, Prof and HoD Electrical and Computer Engineering at Pondicherry University and Chairman of the IEEE Antennas and Propagation Society (Madras Section), organized the

Knowledge Sharing Session-101: Webinar –133. His presentation was entitled “SIW Antennas for Millimeter Wave Applications.” There was a total of 36 participants at this event.

- On 11<sup>th</sup> June 2023, Knowledge Sharing Session –102: Webinar –134 was held. **Ms Deepthi KVBL**, Assistant Professor at the MVSR Engineering College, presented “Exploring HFSS: Advanced Software for Antenna Design and Simulation” to approximately sixty participants.
- Knowledge Sharing Session –103: Webinar –135 was held on 18<sup>th</sup> June 2023 and was coordinated by **Dr E V Krishna Rao**, Dean of R&D and Professor of ECE at the Lakireddy Bali Reddy College of Engineering in Mylavaram. The topic of the webinar was “Intelligent Reflecting Surface (IRS) Fundamentals and Applications for Wireless Communications.”
- The **Annual General Body Meeting** was held by the Centre on 25<sup>th</sup> June 2023.
- On 30<sup>th</sup> July 2023, **Sri Satish Mukund Bhawe**, formerly of the Naval Science and Technological Laboratory, DRDO, Government of India, spoke on “Systems Engineering” at the 22<sup>nd</sup> annual **Sri U V Warlu Memorial Lecture** hosted by the Hyderabad Centre of IETE. The speaker explained the concepts of Systems Engineering and its diverse applications. This guest lecture is part of a larger series planned for the years 2023 and 2024.



## JAMMU

- The Jammu Sub Centre of IETE had its Executive Council meeting at the IETE office in Chenab College of Education on 27<sup>th</sup> May 2023. They handled a variety of problems concerning IETE gatherings and offline event planning. The IETE Jammu Sub Centre Chairman, **Sh Joy Ganjoo**; the IETE Jammu Sub Centre Hony Secretary, **Dr Vijay Sharma**; and the IETE Jammu Sub Centre Executive Committee Members, **Maj Gen S K Sharma (Retd)**, **Prof Parveen Lahana**, **Prof Pawnesh Abrol** and **Prof Rakesh Vaid**, were present. It was decided that – a) The annual meeting will be held on June 16, 2023. b) Maj Gen S K Sharma (Retd) suggested presenting at technical groups to recruit new IETE members. He also urged that IETE’s New Delhi headquarters consider offering BSc Electronics students membership. He also said MIET will soon have an ISF chapter. He also contacted Vijay Sharma to help students. Professor Rakesh Vaid suggested that IETE employees visit educational institutions to promote the organization’s worth and expand membership. The right action was selected following debate. c) All members intended to organize JSC technical events/workshops. Prof Pawnesh Abrol and Prof Lahana addressed low-cost technical workshops for students. Everyone

welcomed the idea of similar gatherings to benefit more students. It was decided to start technical work quickly. d) The members agreed to convene a bi-monthly meeting in the center to organize future events. e) Given the limited headquarters allocation this year, the Executive Committee was consulted. The Annual General Meeting (AGM) decided to write a formal letter to headquarters to settle the issue. This is necessary to stabilize the Jammu sub center, which is struggling.

- On May 17, 2023, Jammu Sub-Centre celebrated **World Telecommunication and Information Society Day-2023** in technical collaboration with the University of Jammu’s Department of Computer Science and Information Technology. **Prof Pawanesh Abrol**, HoD Computer Science and Information Technology at the University of Jammu, welcomed the group and emphasized the significance of communication and information sharing, particularly in the present digital era. He emphasized the academic and research events that are periodically organized in the department for the advantage of students. **Shri Joy Ganjoo**, Chairman of IETE Jammu, praised the Department’s endeavors to organize such events. He described the chronology of telecommunications events and how they bridge the digital divide to educate the public. **Dr Lalit Sen Sharma**, professor at the Department of Computer Science and Information Technology, emphasized the significance of communication and the role performed by cutting-edge technologies in the nation’s development. **Er Vijay Sharma**, IETE Jammu, delivered the message from the IETE President.



On this occasion, there were two invited lectures. **Dr Arvind Selwal**, Assistant Professor in the Department of Computer Science at Central University in Jammu, presented a talk-demonstration on the topic of **Fingerprinting Biometrics for Human Authentication**. In addition to describing the operation of fingerprinting biometrics systems for human authentication, he demonstrated the design and implementation of a fingerprinting-based system for human recognition. **Ms Surbhi Kohli**, Owner & Director of Life Skills Scoop, led the second session on **Communication Skills for Confidence Building & Personality Development**. She emphasized the importance of inculcating various values and abilities for an individual’s overall development. The Department’s Assistant Professor, **Shri Jasbir Singh**, proposed the vote of thanks. **Dr Shubnandan Singh Jamwal**, **Prof Parveen Lehana**, **Dr Suresh Rao**, **Dr Radhika Khanna**, **Dr Romila Malla Bhatt**, **Maj Gen S K Sharma (Retd)**, **Dr Palak Mahajan**, **Er Tinny Sawhney**, **Ms Dulcet Gehloch**, **Ms Aparna Sharma** along with research scholars and students attended the event.



- The **office bearers' meetings** were held on 10<sup>th</sup> April, 29<sup>th</sup> April and 12<sup>th</sup> May 2023, respectively to discuss and take up the various day-to-day activities and regarding the celebrations of forthcoming events of IETE, Jammu sub centre.

## KANPUR

The IETE Kanpur Centre, in collaboration with the CSE Dept, Harcourt Butler Technical University, Kanpur, Institution of Engineers (India), Kanpur Local Centre, IEEE – Uttar Pradesh Section, Med Tech, and IIT Kanpur, organized World Telecommunication and Information Society Day on the theme “**Empowering the Least Developed Countries through Information & Communication Technologies**” on May 30, 2023. **Prof Narendra Kohli**, Centre Chairman, extended a warm greeting to all attendees. **Er Vivek Asthana**, Chairman IE(I), KLC, read the message from the IETE-President. **Dr Vandana Dixit Kaushik**, Associate Professor, HBTU Kanpur, introduced **Er Neha Jain**, District Magistrate, Kanpur Dehat, as the Chief Guest. **Er Prashant Kumar**, Honorary Secretary, introduced **Prof Amey Karkare**, HoD, Computer Science & Engineering, IIT Kanpur, as the keynote speaker.



**Er Neha Jain** stated that in rural areas, data is essential for the advancement of society. As evidence of the significance of data, the “Asha Worker” example was provided. In least developed countries, similar way, development can be possible. **Prof Amey Karkare** stated that Empowering the Least Developed Countries through Information and Communication Technology (ICT) can enable the following: (i) Businesses and entrepreneurs to access information on prices, markets, suppliers, and customers and to reduce the costs of communication, transportation, and intermediation (ii) Entrepreneurship and innovation (iii) Businesses and entrepreneurs to create new products, services, and processes, and to improve their productivity, efficiency, and competitiveness (iv) To access finance, knowledge, and networks that can support their innovation activities (v) New jobs and industries (vi) Countries to generate employment opportunities in sectors such as ICT

manufacturing, software development, e-commerce, and digital services (vii) Diversify their economies and participate in global value chains. ICT can enhance human capital and skills (viii) Workers and learners in countries to acquire the skills and competencies that are demanded by the labour market, such as digital literacy, communication, collaboration, and problem-solving (ix) To access online education and training opportunities (x) To access to quality educational content and resources (xi) Learners to acquire the digital skills and competencies that are essential for the 21st century, such as information literacy, critical thinking, problem-solving, creativity, and innovation can also help learners to explore their interests, talents, and aspirations, and prepare them for further education and employment opportunities. **Prof J Ramkumar**, Hony Treasurer, IETE Kanpur Centre proposed vote of thanks. Over 100 corporate members, students and faculties from IETE, Kanpur Centre, IEEE-, IEEE-UP Section, IE(I)-Kanpur Local Centre, HBTU-Kanpur, IIT-Kanpur and other Institutions participated.

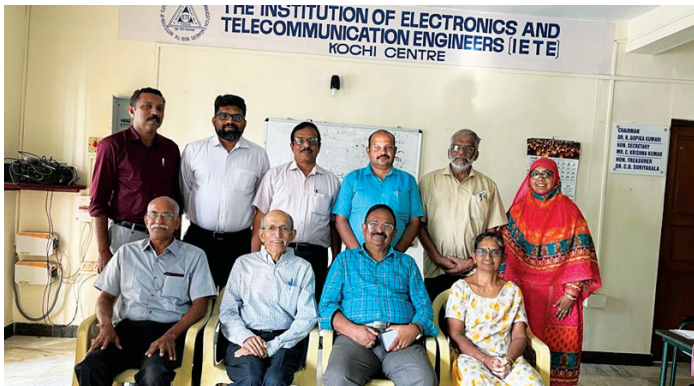
## KOCHI

• IETE Kochi Centre and Toc H Institute of Science & Technology (TIST), Arakkunnam co-hosted the fifth edition of NCICIS 2023, the National Conference on **Information Communication and Intelligent Systems**, on June 23 and 24, 2023. It is a conference conducted every two years to facilitate discussion of contemporary trends in the specified fields. Information Systems, Intelligent Systems, and Communication Systems were the three primary focuses of NCICIS 2023. The conference received 55 research papers from numerous tracks and related fields, of which 45 were chosen to be presented. **Dr Deepa Elizabeth George** (Execom Member, IETE, Kochi Centre Vice-Principal, Head of Department (DoE), TIST, Coordinator, NCICIS 2023) gave the welcome address. President of Toc H Public School Society, **Dr Alex Mathew**, delivered the Presidential Address. Immediately following his address, the Lamp ceremony began. The principal guest for the event, **Dr S Vasudevan**, Director of Science and Technology at NPOL, addressed the audience and wished the conference success. **Dr Vishnu Srivastava**, an Ex-Emeritus Professor at AcSIR, spoke about the most recent developments in Electronics and offered advice to all the present students.

**Shri M N Narayanan**, Chairman, IETE Kochi Centre, read a special message from Prof (Dr) V Gunasekhar Reddy, President of IETE, congratulating the organising committee of IETE Kochi Centre for holding this conference to provide a forum for presenting the most recent developments in this field. This was followed by a message from **Shri K K Mathew**, the Treasurer of Toc H Public School Society, and the felicitation of **Dr Preethi Thekkath**, Principal of Toc H Science & Technology, Arakkunnam. As part of the felicitations, **Dr M V Rajesh**, Associate Professor of DOE, COE-Chengannur, and Vice-Chairman of IETE Kochi Centre, spoke about the significance of the conference and how students could benefit from NCICIS 2023. **Dr S Perumal Sankar**, Professor and Coordinator of NCICIS 2023 at TIST, delivered a vote of thanks. A **KELTRON exposition** and **EC/RA student Project Expo** were also organized. The Valedictory Session was opened by **Dr Deepa Elizabeth George**, Execom Member of IETE Kochi Centre, Vice-Principal, Head of Department (DOE) at TIST, and Coordinator of NCICIS 2023. The Chief Guest was **Shri M N Narayanan**, former IETE Kochi Centre Chairman and Oman Telecommunications Company

Expert Planning. In the session, Toc H Institute of Science and Technology Principal **Dr Preethi Thekkath** addressed the audience. **Dr S Perumal Sankar**, NCICIS 2023 Coordinator, gave a vote of thanks.

- While in Kochi, IETE President **Prof (Dr) V Gunasekhar Reddy** was called to the IETE Kochi Centre to address the Executive Committee. He mentioned that all EC members are from top educational and research institutions like DRDO in his conversations with them. He also checked out IETE Kochi Centre's huge area and electronics lab. He reported strong journal, membership, and rental income for the fiscal year ending 2023. He discussed the NIELIT Memorandum of Understanding to teach Blockchain, AI and ML. Nationwide, NIELIT Skill Development courses are given. Given the office's prime location and Kerala's high demand for such courses, he promised all assistance to promote IETE Kochi Centre into a training hub.



- On June 25, 2023, the IETE Kochi Centre held its Annual General Body Meeting.

## KOLKATA

The IETE Kolkata Centre organized a series of technical talks in a hybrid manner, which included the topics, namely i) **Embodied AI: The Emerging Direction of Robotics** on 15 Jan 2023; ii) Commemoration of **IETE Students' Day** in 2023 on February 2, 2023; iii) **ISACC-2023 Conference** on February 3rd and 4th, 2023; iv) **The National Science Day**, on Feb 28, 2023; v) **Role of Digital Education for Sustainable Development** on 17 Mar 2023 and vi) **ICNSBT - 2023 - International Conference** on 28 Mar 2023.

## KOZHIKODE

IETE Kozhikode Sub-Centre organized a symposium on 11<sup>th</sup> May 2023 to commemorate **National Technology Day**. The event was organized by the IETE Kozhikode Sub-Centre in collaboration with the Regional Science Centre & Planetarium (RSCPC), Kozhikode and the Malabar Subsection of the IEEE. The program was officially commenced by **Dr Sabiq PV**, the Principal of KMCT College of Engineering. The welcome address was presented by **Shri Binoy Kumar Dubey**, who serves as the Curator and PC of RSCPC. The Presidential address was delivered by **Shri Balaji M K**, Curator, RSCPC. **Dr Bindima**, Chair of the IEEE Malabar Subsection, **Prof Pratap G Nair**, Immediate Past Chair of the IETE Kozhikode Sub-Centre, and **Shri Sooraj**, Assistant Professor at MDIT, Kozhikode, were there to observe the event. The vote of thanks was offered by **Shri Jayanth Ganguly**, who holds the position of Senior

Technical Officer at RSCPC. **Dr Arun Raj Kumar**, an Asst Prof, Dept of CSE at the National Institute of Technology Calicut, conducted a session on the topic of **Cybersecurity**. **Shri Niyas N**, a Technical Project Manager at IOCOD, Infotech Pvt Ltd, presented a lecture on the **Introduction to Chat GPT**. **Shri Binoy Kumar Dubey**, a distinguished Curator and PC at the RSCPC, presented a comprehensive lecture on the subject of **Innovative Projects for Science Museums**.



## LUCKNOW

- On the 12<sup>th</sup> and 13<sup>th</sup> of May 2023, the Electronics Tech Fest "**Sancharika 2023**" was conducted at Rameshwaram Institute of Technology & Management, Lucknow, under the auspices of IETE Lucknow Centre. **Dr Arun Kumar Singh**, Chairman, IETE, Lucknow Centre, gave a lecture titled "**Recent Technology in Electronics Engineering**" in which he discussed how Artificial Intelligence (AI) technologies are developing or are expected to be available within the next five to ten years. He explained that AI can greatly facilitate the work of electrical engineers in industrial settings. They enable significant advances in engineering work, such as the development of AI and machine learning platforms for more complex and capable equipment. Approximately ten corporate members, including invited guests and IETE members, attended the event.

- On May 17<sup>th</sup>, 2023, the **World Telecommunications and Information Society Day** was celebrated under the theme of **Empowering the Least Developed Countries (LDCs) through Information and Communication Technologies**. **Shri Abhishek Srivastava**, DGM, Network Planning, Airtel, gave a talk on **5G Technology** that was informative. **Dr Arun Kumar Singh**, Chairman of the Lucknow Centre, gave a talk on "**Empowering Society through Information and Communication Technology**," and **Shri Yatish Katheria**, an expert talk on **Cyber Crime**, discussed how technologies are evolving and cybercrime is occurring, as well as how to stay safe in the information age. The following dignitaries attended: **Shri R K M Srivastava**, Additional Director General, Department of Telecommunications, Government of India. **Shri A K Ranjan**, DDG, Department of Telecommunications; **Prof A K Singh**, Dean, Faculty of Engineering and Technology; **Shri Abhishek Srivastava**, DGM, Network Planning, Airtel; **Shri Yatish Katheria**; and **Dr M K Jain**.

- **Dr Arun Kumar Singh**, Chairman of the Lucknow Centre, presided over two segments at the International Conference on **Differential Equations and Control Problems (ICDECP23)** held in Mandi, Himachal Pradesh, on 15-17 June 2023.



## MHOW

IETE Sub Centre at MCTE Mhow organized number of guest lectures as follows:- a) Online lecture on **Principles of Quantum Key Distribution** by **Prof (Dr) V Natrajan**, SETS, Chennai on 18 Apr 2023. b) Online lecture on **IoT Devices** by **Prof (Dr) Priyanka Bagade**, IIT, Kanpur on 25 Apr 2023. c) Offline lecture on **5G Architecture** by **Prof (Dr) Vimal Bhatia**, IIT, Indore on 28 Apr 2023. d) Online lecture on **Digital Twin** by **Prof (Dr) Makarand Kulkarni**, IIT, Bombay on 1 May 2023. e) Online lecture on **Drone Based QKD** by **Prof (Dr) Anindita Banerjee**, C-DAC, Pune on 8 May 2023. The guest lectures were appreciated by student forum members and faculty members of MCTE.

## MUMBAI

• The IETE Mumbai Centre organized the “OSCILLATIONS-2023” technical event across multiple colleges, operating under the ISF Banner, from February 2023 to April 2023.

## NAVI MUMBAI

• On 6<sup>th</sup> Jan, the IETE Navi-Mumbai Centre celebrated its **69<sup>th</sup> IETE Foundation Day** virtually. **Dr SM Kherde**, Principal Sipna COET, Amravati, **Dr Mukesh D Patil**, the Centre Chairman, and **Dr R R Deshmukh**, GC member of IETE, were among the dignitaries present at the function. The guests were greeted by Miss Shreya Mani, the IETE-RAIT ISF coordinator. The IETE President’s Message was read by **Dr Dhananjay Dakhane**, the Hony Secretary of IETE Navi-Mumbai. The gathering was welcomed by **Dr Mukesh D Patil**, Chairman, who also listed the many initiatives carried out in RAIT for NEP2020 and discussed the significance of the National Education Policy 2020. The chief guest, GC member **Dr R R Deshmukh**, spoke about the value of professional associations like IETE in engineering education. The lecture “NEP 2020: A Paradigm Shift in Skill Based Higher Education: Challenges and Opportunities” was given by **Dr S M Kherde**, Principal of Sipna College of Engineering & Technology, Amravati. He explained in detail NEP 2020, its significance, and how this program is being implemented. Vote of thanks was proposed by Dr Gajanan Birajdar, Hony Treasurer of IETE Navi Mumbai Centre.

• IETE Navi Mumbai Centre commemorated **Students’ Day** on 23<sup>rd</sup> - 24<sup>th</sup> March 2023. ISF-RAIT (Ramraoadik Institute of Technology, Nerul) and GDSC Google Developer Student Club co-hosted this event. The Centre Chairman **Dr Mukesh D Patil**, began the event as Chief Guest. Chairpersons/Directors/Principals/HODs of various institutes, esteemed corporate members from Navi Mumbai, Mumbai centers, members of the Executive Committee at IETE Navi Mumbai Center, and ISF coordinators and student members of various institutes in Navi-Mumbai jurisdiction were informed about this scheduled event via all means. **Dr D M Dakhane**, Navi Mumbai Centre Hony Secretary, welcomed the guests. He greeted Centre Chairman **Dr Mukesh Patil**, **Dr Gajanan Birajdar**, Hony Treasurer, **Dr Chandrakant Gaikwad**, Head of E and Tc Dept at Ramrao Adik Institute of Technology, Nerul, **Prof Jayashree Sonawane**, ISF coordinator at Lokmanya Tilak College of Engineering, Koparkhairane, Navi Mumbai, and others. ISF Student Coordinator read

IETE National President’s message, while GDSC Coordinator Miss Shreya Mani, ISF-RAIT, gave the vote of thanks. Student Day was celebrated by 150–200 college students.

• **World Telecommunication and Information Society Day** was observed on 29<sup>th</sup> May 2023 by IETE Navi Mumbai Centre, IETE Mumbai Centre, BES (I) Mumbai Chapter, IEEE Bombay Section, and IET Mumbai Local Network in collaboration. **Dr (Mrs) Janani Natarajan** delivered a theme lecture titled “**Empowering the LDCs with ICTs.**” **Dr Smita Lonkar**, Chairperson of IETE Mumbai, welcomed the attendees and provided an overview of the event. She explained the significance of World Telecom and Information Society Day to the audience. **Dr MD Patil**, Chairperson of the IETE Navi Mumbai Centre, delivered the message of IETE’s New Delhi president. The ITU Secretary General’s Message was read by **Shri Anand Gharpure**, Chairman of the IEEE Mumbai Chapter. **Shri Vikrant Sankhe**, Chairman of the IET Mumbai Network, later delivered the UN Secretary General’s message. **Dr Dhananjay Dakhane**, Hony Secy and **Dr Gajanan Birajdar**, Hony Treasurer of the IETE Navi Mumbai Centre, were present at the event. Members of the participating societies, the engineering community, and others attended the event. Dr Saurabha Mehta, IETE Mumbai Centre Honorary Secretary, proposed the vote of thanks.



## NASHIK

Activities conducted during January to March 2023 under IETE Nashik Sub-Centre are as follows:

- **Er Apurva Jakhadi** Vice Chairman, IETE Nashik Sub-Centre was invited for the inauguration of Science Exhibition at Dahanu in Palgarh.
- **Er Apurva Jakhadi**, Vice Chairman, Nashik Sub-Centre inaugurated **Rocket Design Challenge** Exhibition, and served as its jury member at project competition for UG/PG engineering students by SDNX at Kolhapur on 11-12 Feb 2023.
- The expert talk on “**Innovation and Entrepreneurship**” was held on 16<sup>th</sup> Feb 2023 in ETE Dept, at Karmaveer Kakasaheb Wagh Institute of Engineering Education & Research (KKWIEER), Nashik in collaboration with IIC and IETE Nashik Sub-Centre. The session was marked by the presence of guest lecturer **Prof RY Ghegade** along with **Prof SS Morade**. In this session, the importance of Creative Serendipity was highlighted. He talked about the benefit of start-up during the session. It was explained different types of market available for entrepreneur. He also gave example of radial and disruptive marketing.
- To commemorate **National Science Day**, the Department of E&TC Engineering at Guru Gobind Singh Polytechnic (GGSP), Nashik, along with the Nashik Sub-Centre, hosted a workshop on the **Internet of Things (IoT) and Raspberry- Pi** on 2-3 March 2023. Over thirty

students participated in the workshop. The training was conducted by **Prof Santosh Kamble**, head of R&D at Saitronics in Navi Mumbai, and **Prof R S Taday**, lecturer in the E&TC Department. Contents covered were • Introduction to IoT • IoT interfacing boards • Arduino, Raspberry pi and fundamental coding • Introduction to ESP8266, Node MCU, ESP32 and • Comparison of ARDUINO, NODE MCU, ESP32. Chief Guests for the closing ceremony were **Shri M R Rawat**, PGM Telecom, Nashik, and **Shri S A Bhadane**, Hony Secretary IETE Nashik Sub-Centre & Divisional Engineer, BSNL, Nashik. **Mrs S V Karande** (Kolhe), a member of the IETE Nashik Sub-Centre, and **Shri P P Dadhich** coordinated the event. The event was covered by the Divya Marathi newspaper on March 5, 2023. The principal guest distributed certificates.

- The **e-Merge 2023** was organized by the CSE Dept in collaboration with the IETE Nashik Sub-Centre from March 20-23, 2023. For the opening ceremony, the chief guest was **Shri Ashish Sharma**, alumni, Manager at Kotak Mahindra Bank in Nashik, and the guest of honour was **Shri Vishal Jadhav**, Director of UX Design and Senior Vice President of the Nashik IT Association. During the e-Merge, there are numerous competitions conducted in college, viz., Programming Competition, Technology Quiz, Group Discussion, Cultural Activity, and Short Film.

- K K Wagh Institute of Engineering Education & Research (KKWIEER), Nashik Dept of Civil Engineering organized expert talk on **International Women's Day on Girls & Women in the areas of Science Technology Engineering & Mathematics (STEM)** by **Er Apurva Jakhadi**, Vice Chairman-IETE Nashik Sub-Centre, NASA-Honeywell Space Educator, on 8<sup>th</sup> March 2023.



- On 18<sup>th</sup> April 2023, the KKWIEER, Nashik, Department of E&TC Engineering hosted an expert lecture on **Self-Reliance and Confidence Building** in conjunction with the IETE Nashik Sub-Center. **Shri Dattatrya Aher** led the discussion. He used to lead a government-run ITI institute. The lecturer stressed the significance of self-assurance in both academic and professional pursuits. Self-reliance, he told the class exactly what role does Self-Reliance play? The ability to rely on oneself is crucial because it boosts productivity, boosts self-esteem, and enhances the possibility that one will work harder in the future, even when faced with adversity. The ability to rely on oneself is a crucial one. We can't always count on being able to contact our loved ones. We have to have coping mechanisms to get us through this challenging patch. Systematic aid is, of course, crucial. But it's necessary to be independent at times.

- The ET Department of K K Wagh College of Engineering, Education, and Research, in conjunction with the IETE Nashik Sub-Centre, organized a **Special Expert Talk** on 25<sup>th</sup> March 2023. The webinar began with **Dr Raghunath Bhadade**, an assistant professor at

Dr Vishwanat Karad MIT World Peace University in Pune. After a quick introduction, Dr Bhadade discussed **Software Defined Radio and how it dramatically increases radio communication efficiency**.

- The expert lecture on **Opportunities in Space** was held on 18<sup>th</sup> April 2023, in the Electronics & TC Engineering department at KKWIEER, Nashik, in collaboration with IETE Nashik Sub-Centre. **Shri Pushkar Hiray**, an expert in avionics, served as the session's facilitator. He began by providing definitions of several aeronautics (aircraft and spacecraft) concepts and then moved on to elaborate on specifics.

- Sandip Institute of Technology and Research Centre Nashik, Department of Electronics & Telecommunication Engineering, IETE Nashik Sub-Centre, and SITRC IIC hosted an **online quiz competition for World Telecommunication Day on 17<sup>th</sup> May 2023**.

- **RTETM-23**, the second international conference on **Recent Trends in Engineering Science, Technology and Management**, was held at Guru Gobind Singh Polytechnic Nashik on 14<sup>th</sup>-15<sup>th</sup> June 2023. **Dr Swapnil Kumar Patil** was honoured by Chief Guest **Dr Gajre** for his appointment as a reviewer for the *American Journal of Physics and Applications*' (AJPA) New York USA, at the Inaugural Function. Principal **Prof Shrihari R Upasani** and all dignitaries were requested for further presentations. All department heads, professors, and students attended this inauguration. An AI-powered robot with 25 moves was shown at the conference. This robot can spy, monitor, catch snakes in danger, defuse bombs, etc. More than 200 state and transdisciplinary papers were submitted for this conference. About 190 research articles were selected for presentation. IJARSCT and IJSRED will publish all these research papers.

## PALAKKAD

- The Palakkad IETE Centre and the Al Ameen Engineering College in Shornur jointly observed **IETE Students' Day** on March 7, 2023. Numerous technical competitions were set up for the students. Forty students from various disciplines participated in the competition, which consisted of circuit debugging, code debugging, and quiz completion. The ceremony was officiated by the college's principal, **Dr V P Sukumaran Nair** **Shri P Suresh**, the IETE Centre's Honorary Treasurer, oversaw all technical competitions. Numerous competition champions were awarded their prizes.



- On 8<sup>th</sup> March 2023, the **International Women's Day** was celebrated jointly by the Palakkad IETE Centre and the Al- Ameen Engineering College Shornur. The event was opened by the college principal, **Dr**

**Sukumaran Nair V P** Former chairperson of the IETE Palakkad Centre **Dr K Geetha** delivered the keynote address. Ms P Bindhu, HoD, ECE Department Associate. **Prof Ajeena A** also addressed the audience. At the event, awards were presented to the female students who held various leadership positions at the institution.

## PILANI

- **Prof Bharat Bhushan**, Ohio State University, delivered a lecture titled **“Biomimetics: Lessons from Nature Focusing on Bioinspired Surfaces”** at the CSIR-CEERI old auditorium on 10<sup>th</sup> March 2023, at the invitation of the IETE Pilani Centre. Prof Bhushan has worked on several of topics in a variety of disciplines. He provided a comprehensive overview of nature-inspired mechanically durable super liquid phobic and liquid philic surfaces, which have significant commercial applications. Several queries were posed by audience members during the presentation, which was highly interactive. The speaker responded with technical acumen and outstanding answers. In addition, he emphasized the importance of diverse and inter-disciplinary work. The development of products, structures, and materials inspired by nature is gradual, but the objective should be to address more pressing problems. He inspired the audience to work as a team, connect with the masses, and scientifically address societal issues and requirements. **Dr Chandrashekhar**, Chairman, IETE Pilani Centre, **Dr S Pal**, Chief Scientist, CSIR-CEERI, **Sri Pramod Tanwar**, Hon Treasurer and **Dr Krishna Meel**, Hon Secretary graced the occasion.



- IETE Pilani Centre celebrated the **World Telecommunication and Information Society Day** by organizing an invited talk on **“ICT and Society: Innovation and Empowerment”** by **Prof (Dr) Sandeep Joshi**, EEE Dept, BITS Pilani on 22 Jul 2023. Dr Sandeep Joshi in his address provided a comprehensive overview of how ICT can influence society to enhance existing systems. Also, ICT can foster tremendous innovation and young adult empowerment. Several queries were posed by audience members during the presentation, which was highly interactive. The speaker responded with technical expertise and outstanding explanations. The other notables were **Dr Chandrashekhar**, Chairman, Pilani Centre, **Dr S M Prasanna Kumar**, Director BKBIET, Pilani, **Shri K K Pareek**, GM, Commercial, BKBIET, Pilani, **Dr Anil Sharma**, Principal, BKBIET, Pilani, **Sri Pramod Tanwar**, Hony Treasurer & **Dr Krishna Meel**, Hony Secretary of the Centre.

## PUNE

Pune Centre organized online lectures on:-

- **Non Contact Measurement and AI/ML Control Techniques in Water Resources Application** by **Dr M Selva Balan**, Scientist ‘E’, (Joint Director), Central Water & Power Research Station (CWPRS), Pune on 19 Jan 2023. The speaker was of the view that India badly needs better water resource management. Rapid economic growth and urbanization in recent decades have highlighted many aspects of this precious resource’s management, including capacity estimation, availability, quality, fitness for use, efficient distribution, consumption and leakage monitoring, flood management, forecasting, and the creation of a long-term plan and infrastructure. The National Hydrology Project (NHP) collects, evaluates, and makes hydro-meteorological data available to State/District/Village users. These goals demand substantial use of modern instrumentation technologies. We must also employ the fast-growing technologies of the “Fourth industrial revolution Industry4.0,” such as IoT, Data Analytics, AR/VR, AI/ML, Robotics, and others. 70 participants attended

- Online Technical lecture on the topic **Auto Encoders and its Applications in Computer Vision** was organized on 31<sup>st</sup> Mar 2023 by **Dr Yogesh Dandawate**, Professor, Vishwakarma Institute of Information Technology (VIIT) Pune. 35 participants attended. He explained that Autoencoder as a deep learning network with encoder and decoder that output matches input. A generative network is formed by training the decoder to produce output similar to the input. The encoder receives a column vector or picture. Finally, the encoder’s compact latent space displays a feature, code, etc. The up sampled network decoder receives this characteristic and produces output similar to the input. Compact presentation allows data compression. Under complete auto encoders are extensively utilized when latent space is much smaller than input. The output is closer with stronger feature presentation. Encoders and decoders use multilayer perceptrons or convolution neural networks. Non-linear input improves autoencoders. It is commonly likened to PCA. De-nosing auto encoders have noisy inputs and clean outputs. Images with noise/blur are added to train, and immaculate images are output. Distorted photos are tested. Many applications find this auto encoder more effective than Gaussian, averaging, total variation, *etc.* for noise filtering. Nowadays, de-nosing auto encoders are employed to reconstruct excessively compressed or motion blurred images. Automotive engineering modern driver assistance systems benefit from de-nosing autoencoders for de-raining and de-fogging. Vanilla auto encoder is also used in painting, anomaly detection, and colorization. Other variants include sparse and contrastive auto encoders. Probabilistic methods are used to create variational auto encoders and generative adversarial networks utilizing generative models.

## RAJKOT

- **World Telecommunication and Information Society Day** was observed by IETE Rajkot Centre and VVP Engineering College (IETE organizational member) on 13 May 2023. Expert talks on **“Empowering the Least Developed Countries through Information Communication Technologies”** and **“Career Guidance and Development”** seminars were held to celebrate. Assoc Professor VVP Engineering College, Rajkot **Dr Nirav P Maniyar** gave an expert discourse. **Dr Tejas P Pataliya**, Principal VVP Engineering College, Rajkot, greeted everyone. **Prof (Dr)**

**Atul M Gonsai**, Chairman IETE Rajkot, gave an opening address in which he discussed the theme and read a message from IETE's president. Others present were **Dr Narendra Bhai Dave**, VVP Engineering College trustee, and **Dr Tejas Patalia**, Principal of the college. Participants in the present audience discussed these issues and shared their thoughts.

### SHIMLA

**Shri Ashok Kishtwal** from JP University, Wagnaghat, Distt Solan gave a **technical talk on "Latest Trends in Computing"** at the IETE Sub Center Khalini on July 23, 2023. The meeting was opened by **Shri Vikas Bhatt**, Chairman of the Shimla Center, and the vote of thanks was given by **Shri Rajesh Kumar**, Honorary Secretary.



### SHIVAMOGGA

On May 24, 2023, the ECE and ETE departments, in conjunction with the IETE Shivamogga Centre and IEEE JNNCE Communication Society student chapter, organized an event to commemorate the **World Telecommunication and Information Society Day**. "Empowering the Least Developed Countries through Information and Communication Technologies" was the theme of the celebration year. In this context, an event consisting of a technical quiz and the presentation of a technical paper was planned for the students of both the engg departments. About fifty students participated in the technical quiz, and the highest scorers received prizes and certificates. Students were instructed to present on the following topics during the technical paper presentation: Antenna theory and Microwave Communication, Satellite Communication, Wireless Mobile Communication systems (5G/6G), Internet Technology/ Computer Networks/ IoT/ Network Security, and Mobile /portable devices for wireless communications. Approximately 18 teams of two students each participated in the presentation of technical papers. Internal evaluators evaluated the presentation according to rubrics, and the students received constructive feedback on their presentation skills and were encouraged to investigate cutting-edge technologies. Prizes and certificates were granted for the best presentations.

Following the events was the official World Telecommunications and Information Society Day celebration program. **Dr S V Satyanarayana**, HOD ECE Dept, **Dr S Surendra**, HOD ETE Dept and **Shri Shashikiran S**, Treasurer, IETE Shivamogga centre were present on the occasion. During the program, Shri Shashi Kiran S read the message from ITU Secretary General Doreen Bogdan Martin regarding the necessity of empowering the least developed nations through the dissemination of technology. During the formal program, **Dr S V Sathyanaryana** emphasized the

importance of enhancing students' understanding of key technologies in order to empower the world of the future. The program concluded with Dr S Surendra's concluding remarks on the concept of a significant shift in the Internet/IoT technology trends.

### SURAT

- The IETE Surat Sub-Centre commemorated **IETE Students' Day** with the help of the ISF at SVNIT, Surat on 3<sup>rd</sup> Feb 2023. **Shri Chintan Pathak**, an advocate and cyber crime expert from Surat, Gujarat, was invited as the event's chief guest. "**Cyber Security is the need of the hour for Women**" was a topic that the Guest covered very well. Everyone learned a lot and had a great time. Attendees included **Dr Shilpi Gupta**, the Sub-Centre Chairman; **Dr Jigisha N Patel**, Chairman, ISF, SVNIT, Surat; **Dr Rasika Dhavse** and **Dr Deepak Joshi**, both associate professors in DECE, SVNIT, Surat; and **Dr Kirti Inmadar**, Hony Secretary, IETE Surat Sub-Centre. Dr Shilpi Gupta, Chairman of the IETE Surat Sub-Centre, read a message from the president as part of the organization's commemoration of its student day. Faculty and female undergraduate, graduate, and doctoral students attended the session. Almost 35 people showed up. Participants left with a greater understanding of how simple changes to their routines might reduce their vulnerability to cyber attacks. Participants and the expert engaged in a question-and-answer session, which helped them get over their initial nervousness when faced with similar situations.

- On 5<sup>th</sup> February 2023, the IETE Students' Forum (SVNIT) held a **coding competition** for women titled '**Women in Tech**' as part of a women's empowerment program. The contest was open to all female pupils, regardless of year or branch. The event lasted approximately thirty minutes and was hosted online by volunteers and members of the core committee. It was a multiple-choice test with a variety of questions, such as identifying errors in the code and locating the output. The event was judged by core-committee members and faculty members. Women-In-Tech received a total of 15 registrations, the majority of which were from second-year students. The victor was declared on February 6, 2023. The competition was won by **Ms Yanalalikhitha** from the second year of BTech

- On 6<sup>th</sup> February 2023, the Sub-Centre hosted a **poster contest** in collaboration with ISF, SVNIT, Surat. The representatives of both organizations were present. The topic was announced on January 23, 2023, and the deadline for submissions was February 3, 2023. This contest was restricted to women of all academic years. All participants were required to complete their posters within one week. Both digital and handcrafted posters were authorized. It had to be submitted to the ECE department. In this competition, students were required to create posters on the topic of women's empowerment. Judges for the competition were Faculty Advisors. The competition received a total of ten entries. The winner of this contest was **Ms Vinitha**, a third-year B Tech. student in the EE Dept. Under the direction of the Faculty advisors, the executives and core-committee of ISF SVNIT managed the event.

### TIRUPATI

- The Dept of ECE in the School of Engineering at Mohan Babu University (erstwhile Sree Vidyanykethan Engineering College) organized a lecture on "**How to Face Placements**" on May 6, 2023

in conjunction with IETE Tirupathi Centre. The program began with **Dr TVV Satyanarayana**, IETE member, ISF coordinator, and ECE professor, greeting the guests. In her lecture, **Ms Lakshmi Prasanna**, who majored in engineering at Sree Vidyanikethan Engineering College in the ECE stream and was placed at Amazon with a salary of 44 LPA, discussed the obstacles that must be surmounted in order to obtain placements. She also guided with the things such as aptitude, reasoning, verbal, coding that require us to be strong in order to crack our dream employment. She also discussed her interview experiences and current initiatives, emphasizing the importance of remembering certain factors before attending an interview. She informed the female engineering students about the Amazon wow program, which would allow them to partake in skill-building sessions, utilize available resources, and converse with alumni about their professional experiences. Important dignitaries present were **Dr V Vijaya Kishore** (Coordinator & HoD ECE); **Dr N Gireesh** (Dean Freshmen) and **Dr A Srinivasulu** (Dean R&I).

- **Shri Satish Kumar** taught engineering students valuable skills at Annamacharya Institute of Technology and Sciences in Tirupathi from 8-20 May 2023. **Dr Suneetha** supervised the team. It focused on teaching pupils rapid mental arithmetic without a calculator for employment. Encourage students to participate in training and placement programs and give them the information they need to pass aptitude tests. to solve simple equations, determine ratios and proportions, calculate percentages, grasp percentage progressions, and pass other aptitude tests professionally.
- The Department of ECE at Mohan Babu University School of Engineering conducted “**#MoM is**” on 12<sup>th</sup> May 2023. The II and III B Tech students in ECE, EEE, and EIE from Sree Vidyanikethan Engineering College in Tirupati participated in this programme. In two hours participants had to express their love for their mothers artistically. ECE department teachers visited the location to view the artwork and provide contestants critical input. **Dr T V V Satyanarayana**, an IETE member, ISF coordinator, and ECE professor, helped student coordinators execute event management tactics with good results. **Dr V Vijayakishore**, HoD of ECE, and **Dr T V V Satyanarayana**, ISF Coordinator, honoured the prize winners.
- Shri Venkateswara University College of Engineering, Tirupati, held “Ideathon” on 17<sup>th</sup> May 2023 with Chief Guest **Prof Vamsi Krishna R** and coordinator **Prof T Ramashri**. The online Ideathon event, where students presented their entrepreneurial ideas in slideshows, was a huge success, inspiring creativity and innovation. Diverse entrepreneurs presented their insights on entrepreneurship and real-world problems. Students were encouraged to think critically and generate viable business ideas while improving their presentation abilities and receiving feedback from mentors and industry leaders. From sustainable startups to disruptive technology ventures, the Ideathon featured several entrepreneurial ideas. Participants showed a remarkable capacity to detect market gaps and develop unique solutions that could change society. The event’s focus on cooperation and networking helped students form connections, prompting discussions and partnerships that could lead to concept implementation.
- In celebration of “**World Telecommunication & Information Society Day**” at KSRM College of Engineering, Kadapa, IETE-ISF, IEL, and ECE department arranged a guest lecture for B Tech ECE students. The Guest of Honour, **Dr K Prasad**, Associate Professor at ECE AITS(A), Rajampeta, and HOD of ECE Department, **Dr G Hemalatha**, spoke on the significance of “World Tele Communication Day.”
- **Shri P Sunil**, Deputy Director, System Reliability, SDSC, SHAR, Sriharikota, spoke on “**TTC Systems for Launch Vehicle Missions**” at Mohan Babu University on 20 May 2023. Tracking, telemetry downlink, telecommand uplink, telemetry tracking control, and frequency bands were discussed. Coordinator & Head of ECE **Dr V Vijaya Kishore** and Co-coordinator **Dr TVV Sathyanarayana** attended.
- IETE Tirupati Centre hosted a seminar on **Navigating the Indian Constitution** on May 26, 2023 at Mohan Babu University. **Shri C Phaneendra**, a Constitution expert, discussed major aspects like the Preamble, fundamental rights, state policy directives, and separation of powers. The expert stressed constitutional amendments and the judiciary’s responsibility in interpreting and upholding the Constitution. **Dr V Vijaya Kishore**, Coordinator and Head of ECE, **Dr TVV Sathyanarayana**, and **Ms K Neelima** Co-ordinators attended. Opening remarks were by ISF Joint Secretary **D Sai Jahnavi**.
- **Long Term Evolution (LTE) towards 5G Technology** was the subject of a webinar hosted by Sri Padmavati Mahila Visvavidyalayam (Women’s University), Tirupati on 5<sup>th</sup> June 2023. **Sri Jagadeesh Kumar**, SDE O&I, Cellone, Visakhapatnam, was the Chief Guest. **Prof SJyothi** and **Shri Muni Sankar** were present. The speaker described the similarities and distinctions between 4G and 5G technology, elaborating on multiplexing technologies such as OFDM, FDMA, channel direction, data rates of LTE & LTE advanced Pro, and challenges of 5G technology in areas such as 3GPP LTE spectrum, cell size, voice over IP, channel bandwidth security, and devices. **Prof S Jyothi** was the event’s coordinator.
- **Prof T Ramashri**, was the Chief Guest at the discussion titled “**Virtual Education and E-Classroom**” conducted at Annamacharya Institute of Technology on 8<sup>th</sup> June 2023. The objective of this group discussion was to improve self-assurance, communication skills, leadership qualities, and critical thinking. **Dr Suneetha** supervised. The learners were engaged in a group discussion regarding virtual education and e-classroom.
- **Dr Sreedhar**, B-Lab, the invited guest spoke on **Training on coding and Pseudo codes** held during 3-8 Jul 2023 at Annamacharya Institute of Technology, Tirupati. In coding phase, developers analyse the feasibility of each coding language and begin programming according to coding specifications. The outcomes of the coding sessions were to express their creativity, boosts logical thinking and program solving etc.
- On July 4, 2023, the Sri Venkateswara University College of Engineering hosted an **Interaction Programme with successful entrepreneur** from SVU Alumni. Chief Guest **Shri Vivek K** and **Shri Leela Prasad** spoke on the topic of Entrepreneurial Triumphs: Navigating Challenges and Embracing Success. **Prof T Ramashri**, Coordinator, attended the event. **Shri Vivek** created a cutting-edge website for salon booking that had a profound impact on the salon industry, garnering praise from salon proprietors and customers. He imparted his insights regarding their voyage and the keys to entrepreneurial success.
- IETE Tirupati Centre conducted a technical seminar on **Industry 4.0** at Annamacharya Institute of Technology and Sciences in Tirupati on 27<sup>th</sup> July 2023. The EEE and ME engineering students at this university took

part. The HR Manager of Windmöller & Hölscher India, **Shri Bharat Rana**, gave a talk to the students about **Industry 4.0**. The objective of this technical session was to help students comprehend the significance of Industry 4.0 to the engineering profession. Students attending the technical lecture gained insight into these technologies and their potential uses across a range of sectors. Success was achieved because they were able to talk about the difficulties and possibilities of Industry 4.0 and how it can affect their future employment.

## VADODARA

The Vadodara Centre observed the **World Telecommunication and Information Society Day** on 27<sup>th</sup> May 2023. The Chief Guests were **Shri Himanshu Ankleshwaria**, Senior Manager, and **Shri Sagar Mistry**, Senior Engineer, both from M/s System Level Solution (India) Pvt Ltd, Anand, Gujarat. **Shri Ankleshwaria** described significant obstacles to empowering India's least developed areas/villages. The relationship between population density and wireless technology deployment, and the utility of mesh networks for long-range connectivity in rural areas. Wireless sensor network is useful for water and food crisis control, smart meters can be used for water, gas, and electricity control, use of digiGAI Bolus to increase milk production, CO and CO<sub>2</sub> gas sensors can be used for vehicle pollution control, wild life can be preserved by sensing body temperature and GPS tracking of animals, and utilization of smart dustbins for a clean and healthy India. The safety of women utilizing a wireless sensor network and how an instantaneous message can reach the closest police station were discussed. The utility of networked and internet-connected sensors in resolving significant problems was highlighted. Following dignitaries graced the occasion: **Shri Yashpal Goyal**, Chairman, Vadodara Centre, **Dr Mamta C Padole**, Immdt. Past Chairperson, **Vet Dr R C Desai**, Permanent Invitee, **Ms Manisha Mayavanshi**, Hon Jt Secretary, **Dr Sorum Kotia**, EC member, **Shri Ramakant Sharma**, CGM-BSNL, Vadodara, **Shri B D Sharma**, CGM, ONGC Vadodara, **Shri P V Khubalkar**, ONGC Vadodara, **Shri R P Gupta** EC member, **Shri Pramod Deodhar**, **Shri K P Gupta**, **Shri Sudhir Sonawane**, **Shri Chokshi Bhargav** ISF rep, **Shri Daxesh Limbachiya**, **Prof Hiren M Patel**, Faculty member MSU, **Shri Harsh Shah** Student-MSU among others.



## VIJAYAWADA

ISF at ECE Department, KKR & KSR Institute of Technology and Sciences, Guntur, in collaboration with IETE Vijayawada Centre, hosted

the **55<sup>th</sup> World Telecommunication & Information Society Day** on May 17, 2023. The chief guest, **Er Bhaskar Bandi**, Sub Divisional Engineer (Broadband) of BSNL Guntur, spoke on the topic of **“Empowering the Least Developed Countries through Information and Communication Technologies.”** **Dr B Rajasekhar**, Chairman of the IETE Vijayawada Centre, conveyed his views and read the messages of the ITU Secretary General and IETE President. On this occasion, **Dr P Babu**, principal of the KKR & KSR Institute of Technology and Sciences in Guntur, addressed the gathering. **Dr B Surya Prasad Rao**, Hony Treasurer of the IETE Vijayawada Centre, expressed gratitude. **Dr N Adinarayana**, Prof and Head of Electronics and Communication Engineering at the KKR & KSR Institute of Technology and Sciences in Guntur, along with the past Chairmen, Executive Committee, Corporate and student members, attended the event.



## YAVATMAL

Workshop on **“Industrial Automation -PLC & SCADA”** was organized at ECE Dept of Jawaharlal Darda Institute of Engineering & Technology, Yavatmal, from 2<sup>nd</sup> to 7<sup>th</sup> November 2022 by IETE Sub-Centre, Yavatmal. Project Engineer of Prolific Systems and Technologies Pvt Ltd in Nagpur, **Shri Sarang Thakre**, was the event's keynote speaker. **Prof U W Kaware**, Head EE Department, JDIET, Yavatmal; **Prof Pragati D Pawar**; **Prof Atul N Shire**; and **Dr P M Pandit**, Chairman, IETE Yavatmal SubCentre; Head EE Department, JDIET, Yavatmal; attended the event. The Hands-on PLC instruction kits and SCADA software were used by 47 students from the E&TC and EE Department. The primary goal of the PLC & SCADA workshop was to introduce aspiring engineers to the fundamentals and cutting-edge of industrial automation and control systems.



## IETE Students' Forum (ISFs) Activities

- **ISF at ECE Dept, Nandha Engineering College (NEC), Erode, Tamil Nadu**, organized following activities: Seminar on **Oct 7, 2022**, in which Dr S Kavitha, Professor and Head/ECE, NEC welcomed the gathering and discussed the various opportunities for students in the ISRO and DRDO. Dr A Senthil kumar, ISRO, Govt of India, Chairperson, CS-Board, Recruitment and Assessment Centre (DRDO), delivered a seminar on “Geo informatics for Social Applications: Challenges and Opportunities”. Ms V Logeswari, Asst Professor/ECE, and V Parameshwari, Asst Professor /ECE organized the seminar. 2<sup>nd</sup> year students of ECE Dept attended. Hands-on-training program held on **Oct 19-20, 2022**. Dr S Kavitha, Professor and Dean/ECE, NEC welcomed the gathering and discussed the importance of Microcontrollers for real-time IoT applications. Shri Elango Manivannan, Software Developer and Shri Maruthupandi Murugan, Project Engineer, Vi Microsystems Pvt Ltd, Chennai, conducted the Program on “Real-Time IoT applications using ESP 32 controller”. Ms V Parameshwari Asst Professor / ECE, Ms TG Dhaarani, Assoc Prof/ECE and Shri M Srinevasan Asst Professor/ECE organized the workshop. 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> year students of ECE Dept attended. Seminar held on **Nov 8, 2022**. Dr S Kavitha, Prof and Dean/ECE, NEC welcomed the gathering and discussed various opportunities for students in the core industry. Shri N Sree Takshin, Co-Founder & CEO, Learners Choice, Tiruppur, delivered a webinar on “Core Industry Opportunity for ECE Students”. V Parameshwari, Assoc Professor/ECE and Shri PLogamurthi Assoc Professor/ECE organized the seminar. 3<sup>rd</sup> year students of ECE Dept attended. Another seminar was held on **Jan 6, 2023**. Dr S Kavitha, Professor and Dean /ECE, NEC welcomed the gathering and discussed the importance of electronics basics for students in the Core industry. Ms R Santhiya, Senior Technical Engineer, Livewire, Erode, delivered a seminar on “Basics of Electronics”. Ms V Guasundari, Asst Professor / ECE, and Shri CPrabhu Asst Professor / ECE organized the seminar. 1<sup>st</sup> year students of ECE Dept attended. The ECE Dept & IETE Erode Centre together organized a workshop on **Mar 3, 2023** wherein Shri R K Bhoopesh, 4<sup>th</sup> year student of ECE, NEC, conducted the workshop on “Arduino Essentials: Learn the Basics of Programming and Electronics”. Ms V Parameshwari Asst Professor/ ECE, Dr R Murugasami, Assoc Professor/ECE, Shri G Rathnasabapathy Asst Professor/ECE and Shri T Jayachandran Asst Professor/ECE organized the workshop. 1<sup>st</sup> year students of ECE Dept attended. Hands-on-training program held on **May 3-4, 2023**. Dr S Kavitha, Professor and Dean/ECE, NEC welcomed the gathering and discussed the importance of PCB design for real-time applications. Shri Ramesh Duraisamy, Chief Technology Officer, Chip Crafts, Coimbatore, conducted the program on “PCB Designing”. Ms V Parameshwari Asst Professor/ ECE, and Shri M Srinevasan Asst Professor/ ECE organized the workshop. 2<sup>nd</sup> year students of ECE Dept attended. ISF & the ECE Dept organized a career guidance program on **May 5, 2023**. Dr S Kavitha, Professor and Head/ECE, NEC welcomed the gathering and discussed the various opportunities for students for higher studies abroad. Shri Sridhar Sekar, MD, Sridhar Overseas, Namakkal, delivered a lecture on “Career Guidance about Higher studies Abroad”. V Parameshwari Asst Professor / ECE, Ms V Logeswari AP/ECE and P Kokila AP/ECE organized the program. 4<sup>th</sup> year students of ECE Dept attended.
- **ISF at Dr DY Patil Institute of Technology (DYPIT), Pimpri, Pune**, conducted a TE -Mini Project Exhibition on **Oct 14, 2022**. The chief guest was IETE member and principal DPU Dr Lalit Wadhwa. He emphasized the significance of hands-on initiatives that apply the theoretical concepts discussed to real-world scenarios. Dr D G Bhalke (Secretary, IETE, Pune), HoD (EnTC), Dr Pramod Kulkarni (Faculty Coordinator, IETE), Senior faculty, HoD's and faculties of other departments, and alumni of their institution were present at the event. **ISF at Dr DY Patil Institute of Technology, Pune**, always tries to improve the skills of their staff. On **Feb 13-17, 2023**, 44 non-teaching DIT staff members attended Advance Excel Training led by Global Microsoft-certified trainer Shri Dhananjay Bhavsar. Training began with Excel basics and progressed to advanced features and methodologies. There were more practical than theoretical sessions. Principal Dr L K Wadhwa, Dr Pramod Patil, and Dr Kiran Kale were shown the value of excelling in daily life at the valedictory celebration on February 17, 2023. Dr D G Bhalke gave the vote of thanks. 'IETE National Project Competition' was held on **April 25, 2023**. Chief Guest Santosh Kulkarni, Director, Shraddha PCB emphasized on the importance of innovation, collaboration, and continuous learning in today's rapidly evolving technological landscape. Principal Dr Lalit Wadhwa, GC Member IETE, DPU, Dr D G Bhalke, HOD E&TC, Hony Secretary Pune Centre, Dr Pramod Kulkarni, Faculty Coordinator, IETE HODs, senior faculties/teachers of all the departments and industry personnel attended. The event provided a platform for participants to showcase their talent and ingenuity through innovative projects and solutions, reflecting the spirit of excellence and creativity in the engineering community. The IETE project competition promoted teamwork, professional advancement, and motivating the next generation of engineers to innovate and make a difference.
- **ISF at PSG College of Technology (PSGCT), Coimbatore, TN**, organized a number of technical events as follows:-

  - (i) Tech360 - a weekly series of IETE that provides remarkable information on science and technology every week, and whose news is posted every Saturday on PSG Tech's IETE Instagram page - was held from **Dec 17, 2022 to Apr 30, 2023**. It received positive feedback from the audience. It provided valuable insights into the current technological state and developments.
  - (ii) Technotronz'23- was the ongoing virtual intercollegiate symposium conducted on a yearly basis. It was held during **Feb 1-6, 2023** with over 900 registrations from colleges in and around Tamil Nadu, covered a diverse range of technical, non-technical, coding and aptitude events designed to test participant's knowledge and

skills on various concepts. Hosted on the Website Link: <https://technotronz23.wixsite.com/home>, this time, an insightful Workshop on 'Application Development' was conducted. The Event details included: (i) Tetrival held on **Feb 1, 2023** is Technical event of the symposium which is engineered to have the core technical challenges from participants from all niches of engineering. This event was open to all department students. (ii) Hacklite- held on **Feb 2, 2023** challenged the participants with an enthralling set of problem statements to solve. It encouraged them to think out of the box and come up with optimal coding solutions. (iii) Tactile Arena held on **Feb 3, 2023** was basically a BOT event, which was based on virtual terrestrial drones and open to all branches of all years. (iv) Trinifty –was held on **Feb 4-5, 2023**. based on Solo NFTs (cryptographic assets) further based on blockchain technology which blends with the ongoing frenzy for NFTs, challenges the digital creativity of the participants.(v) Techverse held on **Feb 4, 2023** and was aimed to equip participants with essential Android programming concepts and the ability to build a diverse range of applications using Java/Kotlin and XML-based architecture. Attendee was thought to be taught from all aspects of mobile app development for Android, from design to implementation. In addition, this workshop also covered the learning scope of Flutter (DART), a cross-platform framework for both IOS and Android, and the modern way of app development using Jetpack Compose. Generic-Run was arranged on **Feb 6, 2023** that tested participants' aptitude, soft skills and presented them with a platform to flaunt their IQs.

(iii) Bits and Bugs- a weekly series that was conducted on from **Feb 22-May 26, 2023**. It challenged the coding skills of participants.

- **ISF inaugurated the new session at RK College of Engineering (RKCE), Kethanakonda, Ibrahimpatnam, Vijayawada.** Dr B Rajasekhar, Chairman of the IETE Vijayawada Centre, presided over the event at the ECE Department of RK College of Engineering, Kethanakonda, Ibrahimpatnam(M), Vijayawada, Krishna Dist, on **Jan 6, 2023**.
- On **Jan 19, 2023**, Shri Harshil Rana, an embedded system engineer, gave a professional lecture on "Recent Trends in IoT and Career Opportunity" at the **ISF Inauguration at BVM Engineering College V V Nagar, Anand, Gujarat**. The ISF organized another presentation by Er Darshan Patel, Country Head of Incture, Mexico, on "Digital Solution, SAP and ERP Learning and Competency Development" on **Jan 21, 2023**. BVM Engineering College observed IETE Student's Day on **Feb 1, 2023**. On **Feb 4, 2023**, Prof. Anita Bhatt and Prof Anish Vahore gave an expert discussion on "Mbeddathon." On **Mar 25, 2023**, approximately 40 people attended a PCB design workshop led by Shri Subhash Patel of Tech Lead Embedded Software, Engibrains Technology.
- **ISF of Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad**, in association with Dept of ECE, CBIT conducted 'Quiz Masters' as part of Quintuple under Synapse on **Jan 31, 2023**, under the guidance of faculty coordinators: Smt Ghata Chauhan & Smt J Mounika, Asst Professors, ECE with Shri Chandulal Vislawath as the external judge. Student Cordinators were: Sujith Kudupudi,

M Sree Charana Reddy, Muthyala Sanjay Reddy. K Sindhura Reddy & J Phani Sathwik. There were over 100 registrations. Winners were: Sai Kumar & Sai Bharath; Sai & Ambrish (runners); Charanya & Sai Chandra Prasad (runners). Organisers thanked the head of the ECE department, Dr D Krishna Reddy, the faculty coordinators of ISF, CBIT – Shri T Sridhar (Asst Professor, ECE) & Shri P Ranjith (Asst Professor, ECE). The IETE ISF CBIT organized its first edition of Technical Hunt during **Jan 31- Feb 1, 2023**. The main objective of event is to enhance quick thinking among students and giving them a different experience in problem solving in the field of electronics. There was a huge participation from students of CBIT and some other colleges in Hyderabad. The winners were announced by the head of ECE department of CBIT Dr D Krishna Reddy and were felicitated with cash prize and participation certificates. A Technical Debate was organized on **Feb 1, 2023**, with over 60 registrations from enthusiastic participants from all years of engineering and from various colleges. It was conducted in two levels, Level 1 debate was on Effects of Technology, while the Level 2, debate focused on the advantages and disadvantages of Artificial Intelligence. The winner of the event was awarded certificate of appreciation and cash prize of Rs 2000, and their names were announced on the social media handles of IETE-ISF CBIT. **ISF** organized a web designing contest during their annual technical fest, Sudhee 2023, as part of Quintuple under Synapse 23. The contest aimed to showcase students' designing abilities in front-end Web Designing on **Feb 1, 2023**. The contestants were to choose one from the 3 themes given *i.e.*, Travel Blog, Business, or IETE website. The contest consisted of two rounds. The contest ended with declaration of winners by the HOD of ECE Dept Dr D Krishna Reddy. Total cash prize: 2000/- for the best designs of the contest were from: 1) Vikshith Bomella - Winner (from JNTUH) (Theme: IETE Website) 2) Ch Manikanta - Runner (from CBIT) (Theme: Business) 3) Tumma Abhiram - Runner (from BVRIT) (Theme: Travel Blog) No. of participants were 53. **IETE ISF CBIT** organized the inaugural edition of Guess the Gadget aimed to promote fast thinking and provide students with a unique experience in solving electronics problems. The winners were determined based on their performance according to the time requirements and the final results observed by our volunteers and they were felicitated with cash prize and certificates.

- **ISF of the ECE Department at Malineni Lakshmaiah Women's Engineering College (MLWEC), Guntur, A.P,** organized 'Project Expo-2023' to commemorate "IETE Students' Day-2023" on **Feb 1, 2023**. Dr B Rajasekhar, Chairman of the Vijayawada Centre, was the event's Chief Guest.
- The Chief Guest for the "IETE Students' Day-2023" celebration held by the **ISF of the ECE Department of St. Ann's College of Engineering & Technology (SACET), Chirala, Prakasam Dist, AP** on **Feb 1, 2023**, was Dr B Rajasekhar, Chairman of the IETE Vijayawada Centre.
- **IST at D Y Patil College of Engineering (DYPCOE), Akurdi, Pune**, held an e-waste collecting drive for retiring IT assets from **Feb 20-24, 2023**. The Chief Guest Dr P Malathi, Principal, DYPCOE,



Akurdi, inspired ISF students to conserve the environment and sustainability. The event was attended by Dr Rutuja Deshmukh, HOD E&TC, DYPCOE, Akurdi, Mrs. Usha Jadhav ISF Coordinator, SE, TE, and BE E&TC students. Overcoming such issues by collecting and recycling E-waste environmentally was applauded. On **Apr 13, 2023**, students held a poster competition for “Equality Day” to celebrate the 132<sup>th</sup> Birth Anniversary of Dr Babasaheb Ambedkar. Chief guest on the occasion was Mrs Deepali Gohil, Asstt Professor, DYPCOE, Akurdi. VIPs included Dr P Malathi, Principal, DYPCOE, Akurdi, Dr Rutuja Deshmukh, HOD E&TC, Mrs Usha Jadhav, ISF Coordinator, and SE, TE, and BE students. **Apr 22, 2023** saw a guest presentation on “Nature & Natural Energy” for Earth Day Centre. Speaker Shri Uday Ramchandra Godbole, Director Yogeshwar Goseva Foundation Pune. The speaker explained Panchabhut as, the five elements of nature in Sanskrit. Earth, Water, and Fire are matter that may be touched or seen. Despite our inability to see them, space and air are everywhere. The speaker said cows must be kept at home. Milk and leather were produced from its livestock. Cows are sacred and their milk is popular. It meets farming needs and aids transportation. In their foundation, he generates electricity with go bar gas. The biogas plant’s size determines whether it can send energy straight to the power grid and serve one or more towns. He also suggested planting peepal, tamarind, neem, *etc.* trees near our homes. The peepal tree produces oxygen and has several medical uses. More than 150 students attended the guest lecture

- Under the direction of IETE coordinator Mrs Swapna Patil and IETE student coordinator, ISF at **KJ Somaiya Institute of Technology (KJSIT), Sion, Mumbai**, in collaboration with IETE Mumbai Centre, arranged a lecture on **Feb 21, 2023**, on “Animation using Python Turtle Graphics.” Involved were 33 students. The speaker, Shri Pratham Maurya, a senior developer and server administrator at Wipro and a tech consultant at Digifriends, along with the student speaker, Shri Suraj Bhul from SE-EXTC, described how Python Turtle is an integrated library that offers a straightforward and enjoyable method for creating graphics and animations in an interactive manner. The library, which is based on the Tkinter module, is mostly used to instruct novices on programming fundamentals. Mrs Tanvi Thakur and Mrs Madhuri Kadam, the faculty in-charge, graced the event. There were fifty-two students present. A competition on **Feb 28, 2023**, and On **Mar 28, 2023**, a webinar on “Web Design Dynamics” was held. The first- through fourth-year students participated in a session led by Shri Prince Gada, a founder of Arviti Global and a former core member of IETE-SF, as part of the IETE Students’ Day celebrations. About 65 students took part in the workshop, where they learned how to develop visually appealing and functional web designs using typography, how to build creative and flexible websites, and how to improve user experience using CSS animations. Binary Beat Bounce was also arranged by IETE-KISIEIT on **Apr 1, 2023**, with Prof Medha Asurlekar serving as the advisor.
- IST in collaboration with the department of ECE at **Veltech Multitech, Dr Rangarajan, Dr Sakunthala Engineering College,**

**Chennai**, arranged an industrial visit to Global Automotive Research Center that lasted two days. **Feb 21–22, 2023**, was the vehicle test day for the students. They studied about radiation immunity and radiation emission. Additionally gained knowledge of many electronic instruments and their uses. On **Mar 7, 2023**, a guest lecture titled “Internet of Things” was given. Shri ETB Samuel Jigme Harrison, Senior Digital IC Design Engineer, ST Microelectronics, Singapore, served as the resource person and helped the students learn about combinational and sequential digital circuit design and implementation. On **Mar 17, 2023**, IETE ISF, in collaboration with the Deptt of ECE, organized an industrial tour to the National Institute of Ocean Technology, located in Pallikaranai, Chennai. The subjects of marine biotechnology, ocean technology, and marine sensor systems were covered for the students. On **May 4, 2023**, the ISF hosted a guest lecture with the theme “Analog Communication.” The concept of modulation and spectral characteristics were taught by the guest, Assoc Prof Dr KVN Kavitha. Students learned about a variety of modulation methods.

- **ISF** in association with the Dept of ECE of **KC College of Engineering and Management Studies and Research, (KCCEMSR), Thane**. organized a Poster Making competition under Oscillations-2023 named “Emerging Technologies in India” on **Feb 24, 2022** under the guidance of IETE-SF Chairman Shri Baishali Chaudhury, IETE-SF Vice Chairman Shri Avinash Rajak and the faculty was coordinated by Prof Sushma Kore and Prof Aart Bakshi. The purpose of the competition was to enhance the students’ creativity and technical abilities. Students were instructed to create posters to express their opinions. It was an offline competition in which 16 groups avidly participated.
- **ISF at the ECE Department** of the **Sri Vahini Technology And Science Institute, Tiruvuru, Krishna Distt, AP**, as inaugurated by Dr B Rajasekhar, Chairman of the IETE Vijayawada Centre, on **Feb 24, 2023**. Dr B Rajasekhar, also witnessed the inaugural session of the “Organizational Membership” as the Chief Guest.
- A new **ISF** was inaugurated at the ECE Dept of **Usha Rama College of Engineering & Technology, Telaprolu (V), Gannavaram, Krishna Dist AP** on **Feb 24, 2023**.
- An intercollege “Hardware Expo” was held on **Feb 25, 2023**, by the **ISF of Gaytari Vidya Parishad College of Engineering (GVPCE), Visakhapatnam, AP**, in collaboration with the IETE Visakhapatnam Centre. Dr B Keerthi Priya and Smt U Divya Sree served as coordinators of the faculty. Prof P Rajesh Kumar, chairman of the IETE Visakhapatnam Centre, was the chief guest at the ceremony. There were a total of 60 teams with 219 students who exhibited their hardware projects in the fields of industrial automation, biomedical, agriculture, green technology, smart home services, rescue operation, and disaster management. Three teams received cash awards. First place was awarded to the “Braille Keyboard for Blind People” project with a cash prize of Rs 5,000, and second place was awarded to the “IoT Based Artificial CPR Device” team with a cash prize of Rs 3,000. The “The Smart Buoy” initiative received third place and a cash prize of Rs 2,000.

- The **ISF at Karpagam Institute of Technology (KIT), Coimbatore**, in conjunction with the Dept of ECE, hosted a seminar on “Advanced Encryption Methods” conducted by Dr S Gopinath, Prof and HoD of ECE at Karpagam Institute of Technology, Coimbatore on **Feb 25, 2023**. The welcome address was given by Dr S Syed Jamaesha, ASP/ECE. Dr Gopinath described Round AES with Dynamic S-box Generation, Model development Encryption time on input text file, image, audio, and video file, and Transport layer advanced security mechanisms. 65 students actively participated and benefited from the seminar. Shri S Ganeshkumar, Project Manager, R2C Technologies, Coimbatore was the Resource Person, for a Hands-on training on “Arduino and Sensor Interfacing” organised on the same day & Dept. Dr S Syed Jamaseha ASP/ECE welcomed the gathering. Shri S Ganeshkumar explained about the latest technology and highlighted career opportunities in this domain. Shri B Manojkumar, AP/ECE proposed the Vote of Thanks. The ISF held a workshop titled “Robotics and Its Industrial Applications” on **Apr 5, 2023**. Prof/ECE Dr N Suma addressed the gathering. Shri SDR Niranjan, CEO of Mukkudal Robotics in Coimbatore, conducted the session. 60 students actively participated and benefited from the activity. Ms M Sathia Priya, AP/ECE, delivered the vote of thanks. The workshop concentrated on the following topics: Robotic technology in industrial sectors such as semiconductors, agriculture, and the automotive industry that enhances students’ practical knowledge. Various robots, such as the Cartesian Robot, that are utilized in 3D printing. Future Metaverse technology that incorporates AR and VR for industrial use. As a result, the students gained an understanding of robotics technology, which facilitates their innovation in the robotics field.
- ISF at Budge Budge Institute of Technology (BBIT), Kolkatta** in association with its ECE Dept celebrated National Science Day on **Feb 28, 2023** by hosting a lecture on “AI and its Role in Shaping the Future of Mankind” by Dr Soumen Banerjee of the ECE Department of the Institute. The lecture centered on the most recent advancements in AI/ML and their numerous real-world applications in AI systems. Prof (Dr) Bhabes Bhattacharya, DG-Academics of BBIT, delivered the welcome address. In his speech, he emphasized the reason behind the observance of National Science Day on 28<sup>th</sup> Feb. Prof (Dr) Narendra Nath Jana, Dean of Academics at BBIT, then spoke about the significance of developing and comprehending engineering-related fundamental science knowledge. Prof (Dr) Siladitya Bandyopadhyay, Dean of Students’ Welfare at BBIT, commended the department and ISF-BBIT for adopting such an admirable initiative to commemorate National Science Day. ISF-BBIT Coordinator Dr Sumanta Bhattacharyya offered the vote of thanks. On **Mar 3, 2023**, it held a hands-on session for students called “Arduino & its Sensor Interfacing (ASI-2023).” Students learned the basics of embedded systems and their applications in numerous fields in the workshop. About 30 ECE students attended the event. Dr Sumanta Bhattacharyya (ISF-BBIT Coordinator) was the event resource. Other notables were Prof Bhabes Bhattacharya (DG-Academics, BBIT), Prof Narendra Nath Jana (Dean-Academics), Prof Siladitya Bandyopadhyay (Dean Students’ Welfare, BBIT), Prof Ashok Shaw (Dean R&D), Mrs Kakali Sengupta Das (HOD, ECE), Prof Soumen Banerjee, Prof Deepak Kumar Nayek, Dr Sumanta Bhattacharyya, A webinar on “Some Perspectives on Solar Photovoltaic Technology” was held on **Mar 29, 2023**. Interactive session by Prof (Dr) Dr S Sundar Kumar Iyer, IIT Kanpur. The speaker began the presentation by discussing India’s energy needs, renewable energy sources, and their benefits. His main interest was solar photovoltaics and their importance. He also explained silicon solar cell manufacture and operation. He also described how antenna and solar panel are used in real time for satellite communications.
- ISF at ECE Dept, Lalbhai Dalpatbhai College of Engg (LDCE), Ahmedabad**, conducted a seminar on ‘VLSI Opportunities and Challenges’ on **Mar 3, 2023** in association with IIC, IESA, eInfochip & Saptarshi Academy. Shri Pinakin P Thaker, retired senior scientist, ISRO, was the speaker. Dr CH Vithalani, HOD, EC Department along with other faculties and more than 50 attended the session. An expert Lecture on “DSM Technology- Signal Integrity Challenges & Solutions” by Shri Chentan Shinghala, Software Engr, Dir, Cadence Design System, was organized on **Mar 13, 2023**. ISF students society hosted the Ampere Adventure Event on **Apr 13, 2023** in the Bhaskaracharya hall of the EC Department of LD Engineering College. The competition consisted of two rounds: a quiz and a treasure search. The purpose of the event was to promote technical knowledge among students and provide a venue for them to demonstrate their abilities. 45 students in total participated. On **May 4, 2023**, a presentation on EV chargers was scheduled. Shri Priyesh Pandya, Technical Manager of eInfochips in Ahmedabad, was the event’s keynote speaker. The session was witnessed by the head of the EC department, Dr C H Vithalani Sir, as well as other faculty members and students. Approximately sixty-five students from the department attended the event. The purpose of the seminar was to educate students about the challenges and opportunities in the field of EV chargers and to raise their awareness of the opportunities in this field. On **May 17, 2023**, the IETE Students Forum organized a quiz to commemorate World Telecommunications Day. Over forty students attended this event. They participated in two rounds of queries pertaining to telecommunications and general knowledge.
- On **Mar 7, 2023**, the **ISF in the CSE Dept of Bapatla Women’s Engineering College (BWEC), Guntur District, AP**, celebrated International Women’s Day (2023). As the IETE Vijayawada Centre Chairman, Dr B Rajasekhar, was in attendance as a Guest of Honor. In collaboration with the IETE Vijayawada Center, the ISF and the Department of ECE at Babalpalli Engineering College arranged the “International Conference on Communications, Signal Processing & Computing [ICCSPC 2023]” on **Apr 17, 2023**. Dr B Rajasekhar, Chairman of the IETE Vijayawada Center, was the program’s honorary guest. Wartech-2023 was arranged on **May 1, 2023** by the college’s ISF and Dept of ECE in association with IETE Vijaywada Centre.
- ISF at the Modern Education Society’s College of Engineering (MESCOE), Pune**, observed Women’s Day on **Mar 8, 2023**. Dr Neha Bhosale, Founder L&D, Facilitator, Skillgenix, was

the event's chief guest. Work-life balance, juggling personal and professional obligations, parenting duties, women's strength, and social issues influencing women's performance were the main topics of her speech. The MESCOE Principal, each department head, and every department employee attended. IETE Project Competition 2023 was held on **April 24, 2023** in the presence of the dignitaries Dr DS Bormane, Dr RD Kharadkar, Dr Sunil B Somani. Event was coordinated by Dr PN Kota and Prof AV Salunke. Dr PP Mane, Dr MP Dale, Principal graced the occasion. Four judges evaluated 120 participants' projects. The winners were (i) Vidhi Phatani, Rutuja Nikam, Rujuta Palankar, Rutuja Ghorpade & Vaishnavi Gadage (MKSSS Cummins College of Engineering) for Project, 'Implementation of Identity and Access Management'; (ii) Arnav Vichare, Akshada Shinde, Prajwal Jadhav, Sumit Chavan (MESCOE, Pune) for Project, 'Finding optimal path using Hector SLAM Mapping with ROS and LIDAR' and (iii) Priyanka Shinde, Sanket Dete & Ruchika Bhoyar (MESCOE, Pune) for Project, 'Student Result Analysis System'.

- **ISF at Ramco Institute of Technology (RIT)**, Rajapalayam, TN, in conjunction with the Department of Electronics and Communication Engineering of the college, organized an "Idea Presentation (Vaijnyanika)" on **Mar 9, 2023** for first, second, and third-year ECE students. Dr S Vairaprakash served for this event's Jury. Five student groups actively participated in this event and presented their ideas on topics such as water conservation, power generation, speed control, energy generation from roads, and protection of agricultural lands from animal damage. Presentations were evaluated based on innovation, feasibility of product conversion, originality, presentation, and responses to questions. Another event '**Circuit Debugging**' was held on **Apr 1, 2023**. 30 participants were given wrong circuits and instructed to correct and debug them which results in correct and expected output. Shri P Venkatesh, AP/ECE coordinated. Student coordinators: Shri S Vijayan, Ms K Akshaya, Ms A Adheeba Banu & Shri S Shree Harish. Ms K Akshaya welcomed the gathering and Shri S Vijayan proposed vote of thanks. Organized a webinar on 'Human Values' on **Apr 10, 2023**. Under the guidance of Shri G Sivakumar, AP/ECE and convenor, Dr C Arunachala Perumal, Prof & Head/ECE. Resource person Shri KSP Janardhan Babu, Director Programmes, *M S Chellamuthu Trust & Research Foundation*, Madurai, explained how human values play vital role in creating a harmonious society and those who have strong values are more likely to be productive, responsible, and caring members of society. Student coordinators include Ms S Dhameena Ismail, Ms V Sneha Asvini, Shri G Suresh Kumar, Shri A Nantha Kumar. ISF organized "Vippanan Case Study-2023" on **Apr 19, 2023**. Six teams from II and III year (ECE) came up with amazing creative ideas for real time problems. Student's ideas were evaluated for their Innovation, originality, technical merit & applicability. Dr A Azhagu Jaisudhan Pazhani and Ms R Chandralekha coordinated the event. The ISF organized "Code Fiesta" on **Apr 24, 2023** where 49 students of II & III year ECE students showed their programming knowledge and coding skills in relation to C programming and Python. Shri R Deiva

Nayagam, AP/ECE coordinated. Student coordinators were: Shri M Dinesh, Shri A Srikusan, Shri S Shriram & Shri S Girish Kumar.

- **IETE ISF at A P Shah Institute of Technology (APSIT), Thane, Mumbai**, organized the "Tronictsaan, Sitaaro Ki Duniya" under Oscillation 23 on **Mar 17, 2023**, under the supervision of the ISF faculty coordinator of the EXTC department, Prof M P Kurvey. Prof Manisha Samant, Prof Sonia Aneesh, Prof Tejashri Kolhe, Prof Adesh Hardas, Prof Mahesh Pawaskar, and Prof Vaibhav Yavalkar worked diligently on the event. Dr Atul Deshpande, head of APSIT, was among the distinguished guests at the event's opening. The event "Technnotainment" hosted a total of five events, including two technical competitions ("Tronic Trivia" and "KBC (EXTC Based Quiz)") and three entertaining competitions ("Robo-Soccer", "Talaash" and "Rock On"). The contest was open to all SE, TE, and BE EXTC candidates. Neha Teli, Saarth Nikam, Radnyi Jagtap and Siddharth Bhandary, members of the ISF, took the initiative for the event.
- **IETE ISF at Vidyavardhini's College of Engineering and Technology (VCET) Mumbai** organized "Oscillations' 23- The Technical Paper Presentation" on **Mar 17, 2023**, with the College, IEEE-SB, and other departmental committees. Participants showcased their research, talents, and knowledge at the event. Judging the projects and giving speakers comments was vital. Their experience and insights helped speakers assess their projects' strengths and faults and develop their skills for future projects. After each presentation, the judges asked students questions about the project's applications, programming language, software, sensors, database, server, controller, block diagram, circuit implementation, hardware components, flow chart, and proposed approach. Judges' scores determined the winners after the presentations. Their outstanding contributions to their disciplines earned them honours and accolades. Winners explained their work and thanked judges, organizers, and guests.
- Prof (Dr) V Gunasekhar Reddy President, IETE inaugurated the **ISF at the ECE Dept, School of Electronics Engineering, SRM AP University, Amaravathi, Guntur Dist**, on **Mar 21, 2023**. Prof (Dr) K Jaya Sankar, Vice-President, IETE, Prof (Dr) C V Krishna Reddy, Governing Council Member, IETE, Dr B Rajasekhar, Chairman, Vijayawada Centre and Dr Sujith Kalluri, Hon Secretary, graced the occasion.
- The **ISF and IRABOT Institute, Navi Mumbai**, collaborated to host a session on the topic of "Artificial Intelligence in Daily Life Applications" on **Mar 23, 2023**. The session was conducted by Ms Pratiksha Pandao. The occasion was graced by the founder of the institute, Dr Vilas Nitnaware, the principal, Dr Baban U Rindhe, the IETE Convenor, Dr Rajiv Iyer, the Head of the EXTC Department, and the ISF Faculty coordinator. Ms Pandao provided valuable insights regarding her extensive expertise in the field of Artificial Intelligence (AI). At the conclusion of the presentation, a vote of thanks was proposed.

- On **Mar 24, 2023**, IETE ISF at **Mukesh Patel School of Tech Management & Engineering (MPSTME), Vile Parle (W)** held “Talks on how to make real impact in real world with help of project making” as part of Oscillations 2023. An IETE technical project exhibition competition for graduate and undergraduate engineering students, allowed them to present their projects to a panel of industry executives. Four domains were available. 1. Image and Signal Processing 2. Internet of Things 3. AI/ML/DL 4. Electronics/Embedded Over 150 students from IIT Bombay, DJ Sanghvi, BSE Institute, *etc.* participated. Judges received mementos, followed by the felicitation ceremony, where 1st Prize winners received Rs. 25,000 and runners-up Rs 10,000, together with trophies, gifts, and certificates.
- **ISF at Dept of ECE at Thadomal Shahani Engg College (TSEC), Bandra (W), Mumbai**, organized “UI/UX Workshop” on **Mar 25-27, 2023** under the guidance of Dr Tanuja Sarode.
- The Dept of ECE and **IETE Students’ Forum at SRM Valliammai Engineering College (SRMVEC), Kattankulathur, TN**, offered a valuable course on “System Design Using Verilog” by Assistant Professor Ms K Durgadevi from **Mar 25 to Apr 15, 2023**. The lectures of Dr V Suresh Kumar and Dr C Saravanakumar covered Verilog’s system design applications. The International Conference on Emerging innovations in Communication and Signal Processing, coordinated by Dr G Udhayakumar and Dr N Subhashini, featured innovative research and revolutionary innovations on **Apr 5, 2023**. On **May 17, 2023**, Shri Murugesan and Shri J Charles Vinoth held an expert talk by Shri K Sivaseenthil, IT Analyst, TCS, on “Recent Trends in Telecommunication” to highlight industry advancements. These events allowed IETE Students’ Forum attendees at SRM Valliammai Engineering College to network and share information.
- **ISF at Jeppiaar Institute of Technology (JIT), Sriperumbudur, Chennai**, celebrated IETE Day on **Mar 27, 2023**. The Chief Guest was Dr Aswineshadri Krishnan, Head of Embedded Practice, Motherson Technology Ltd, Chennai. **Apr 27, 2023** saw “Electronics” with ECE Dept. The “Labour Quiz” on **May 1, 2023**, “Estimate the Price” on **May 3**, and “Treasure Hunt” on **May 5, 2023** were also held. On **May 12, 2023**, ISF and IETE Chennai Centre held ICRASET-23, an International Conference on Recent Innovations in Science Engineering and Technology. Additionally, a 5-day “Faculty Development Programme” was organized on **Jun 12-16, 2023** with guests Dr P Kalpana, Assoc Prof-ECE, Satyadhya Chickerur Prof B Samuel Jigme Harrison, Senior IEEE Member, Dr S R Malathi Professor-ECE, Radhika Rajendran Professor-ECE.
- On **Mar 27, 2023**, ISF and **Vidya Jyothi Institute of Technology’s (VJIT), Hyderabad, ECE Dept** together presented a technical session titled “Skyroot in Indian Space – Journey unveiled”. Dr CVS Kiran, Lead, Research and Strategic, Skyroot Aerospace Private Ltd., Hyderabad, was the source of knowledge. The ISF signed an MoU on this day to collaborate on knowledge-sharing, internship and placement opportunities for students, launch vehicle and allied technology training, space research support, facility use, faculty exchange, industrial visits for students and faculty, and subsidized activities. MoU signing was attended by VJIT Satellite Work Group Program Director Dr K Vasanth. Dr E Saibaba Reddy, VJIT Director, Ms A Padmaja, Principal, Ms Srilatha, Academic Coordinator, and Shri Venkata Chalam, Senior Administrative Officer, also attended Dr A Padmaja, Principal, VJIT; Dr Ing CVS Kiran, Lead, Research and Strategic, Skyroot Aerospace Private Ltd; Dr Rajendra Prasad, Head, ECE Dept.
- **IETE ISF of Vasantdada Patil Prashthan College of Engineering &VA (VPPCOEVA), Mumbai** held “Technofest” under Oscillation 2023 on **Mar 29, 2023** in conjunction with the ECE Department of the College of Engineering and IETE Mumbai Centre. This technical event included project completion, hugs to bugs, a technical quiz, and the presentation of a technical paper by college students. For each competition, evaluators determine the winning team. In addition, all projects are displayed for other students to expand their technical knowledge during project competitions. Dr Suvarna Bhise, ISF Coordinator, expressed thanks. There were over 100 participants in this event.
- **ISF of Mepco Schlenk Engineering College (MSEC), Sivakasi, TN**, held a workshop on “PCB Design and Fabrication” for II-year ECE students on **Mar 29-30** and **Apr 19, 2023**. Dr K Gopalakrishnan, Associate Professor/ECE, addressed the PCB Design and Fabrication. He detailed PCB preparation steps. ECE Technician S Kannan introduced PCB Wizard program. He showed how to make a PCB from a circuit diagram. He showed students how to use PCB Wizard in labs. Also, students learned PCB fabrication on their own during the session. Around 170 ISF members benefited from the workshop. II and III ECE students attended a Guest Lecture on “Emerging Trends, Technologies and Applications of Antennas” on **Apr 28, 2023**. Dr T Shanmuganatham, Pondicherry University, Prof and HoD EE, addressed. Dr R Shantha Selvakumari, Senior Prof. & Head, ECE Department, Mepco Schlenk Engineering College, Sivakasi, opened the event. Faculty advisers Dr A Kamaraj and Mrs V Gnanalakshmi organized this session. Ms V Kavya Varshini welcomed everyone. The speaker highlighted wearable antenna design trends. The speaker discussed wearable antenna design problems and prospects. He stressed the need for tiny, effective antennas that can function near the body. He also explored patch, dipole, and helical antennas for wearable applications. He examined the pros and cons of each antenna type and the factors that impact their choice. Around 200 students attended.
- **ISF at Dept of ECE at Viva Institute of Technology (VIOT), Virar (E), Thane Mumbai**, organized “Convergence: Project-Cum-Poster Competition” on **Mar 31, 2023** under the guidance of Prof Meena Parera. Convergence 2023 is an intercollegiate event including Major, Minor, Poster, and Reel producing tracks. The competition included several colleges. EXTC students competed in four fields at VIVA Institute of Technology. Specially for BE students’ final major projects, the competition was held. The minor project competition featured TE and SE students. In the poster creation competition, students created attractive posters that described their projects. The reel creating competition was exciting and judged by department

Instagram likes and other rules. The event was outstanding, with robots, IOT-based, drones, and software-based systems on show. After the event, worthy projects received exciting monetary rewards.

- **The ISF of the ECE Dept of Vasireddy Venkatadri Institute of Technology (VVIT), Guntur**, arranged a guest lecture titled “Impact of AI in Transforming the World: Applications and Challenges” on **Mar 31, 2023**, by Dr N Neelima, assistant professor of electrical and computer engineering at Amrita Vishwavidyalayam, Bengaluru. In collaboration with the IETE Vijayawada Centre, the ISF hosted a guest lecture on **Apr 25, 2023**, by Dr D Ranganadham, Dy Dir Gen and head of DD Kendra Vijayawada, on “IoT Potential and Cybersecurity issues in Nextgen Broadcasting.” As Guests of Honour, Dr B Rajasekhar, Chairman of the IETE Vijayawada Centre, and Dr Sujith Kalluri, Hony Secretary of the IETE Vijayawada Centre, witnessed the above inaugural session. An awareness program on “The Women and Intellectual Property, Accelerating Innovation and Creativity” by Shri K Lakshma Reddy, Asst Prof in Management Studies–VVIT was organized on **Apr 25, 2023**. On the occasion of World Telecommunication and Information Society Day on **May 17, 2023**, an online quiz on “Empowering the least developed countries through information and communication technologies” was organized.
- **ISF at ECE Dept, Mohamed Sathak A J College of Engineering (MSAJCE), Chennai**, arranged a guest lecture by Mr Abbas Rahamathdulla, Senior Safety Specialist, BorgWarner Cooling Systems India Pvt Ltd, Sriperambudur, on “Environmental Sustainability” on **Apr 1, 2023**. Dr V Sathiesh Kumar, MIT Campus, Anna University, Assistant Professor, spoke on “Applications Covering Entire EM Spectrum” on **Apr 4, 2023**. Shri P Shanmugasarathy, Consultant, Embedded System Architect, presented a webinar on “Recent Trends in Embedded Systems” on **Apr 5, 2023**. “Business Model Canvas” was a one-day webinar led by Dr N Monoharan, Consultant, Entrepreneurship, Awareness / Development, Soft & Employable Skills, and Motivational speaker on **Apr 12, 2023**. Mr V S Hariharan, Vice President – HR BP, Mr G B Mukil, Lead Verification Engineer, and Ms Adhithya Saravanan, HR Generalist, Edveon Technologies, organized a lecture on “Understanding the Semiconductor Industry and VLSI” on **Apr 18, 2023**. On **May 10, 2023**, ISF at ECE Dept hosted a “Technical Event – Robothon” by consultant Majed Arafat. The ISF of Mohamed Sathak A J College of Engineering, Chennai and the ECE Dept hosted Dr Joshua Kumaresan, Professor/ECE, Saveetha School of Engineering, for a guest lecture on “Electromagnetic Fields” on **May 22, 2023**.
- **ISF at Dept of ECE, Panimalar Institute of Technology (PIT), Chennai**, organized number of events during the period under review viz., **Apr 1, 2023**: Webinar on ‘Career Talk’ by Mrs Priyanka Gangishetty, Senior Azure Customer Engineer at Microsoft; **Apr 3, 2023**: Workshop on ‘UI UX Design’; **Apr 7, 2023**: Workshop on ‘Understanding JS and Modern UI Ecosystem’ by Mainak Chakraborty, SDE 3 at Walmart; **Apr 8, 2023**: Event on ‘Let’s Get Quizzical’; **Apr 13, 2023**: Event on ‘Memory Quizzire’; **Apr 22, 2023**: Event on the topic “Who Am I?”; **Apr 23, 2023**: Guest
- Lecture on “Complete Roadmap of Machine Learning” by Ms Geeta Kakrani, CEO, Kanishka Information Technology Pvt Ltd; **Apr 26, 2023**: Seminar on “Intellectual Property Rights” by Shri Arun M, Chairman, IEEE MAS YP, Assistant Professor at Panimalar Institute of Technology; **May 6-7, 2023**: Workshop on “Future Prospects and Present Opportunities in the Field of VLSI” by Shri. Shubham Garg, PhD scholar, IIT, Guwahati; **May 7, 2023**: Webinar on “Begin your UI/UX Design Journey” by Shri Hemaachandar R, product designer, Zoho Corporation; **May 13, 2023**: Event on “Intelligent Sonics”; **May 13, 2023**: Webinar on “Introduction to AR/VR” by Shri Shyam Pradeep Alil, Co-founder and Chief Technology Officer, TutAR; **May 14, 2023**: Event “Hazy Hacks”, “Poetic” & “Retro Gallery” in accordance with Mother’s day; **May 16, 2023**: Event “Luminous Quizathon” ; **May 18, 2023**: Event called “Dissertation Creation” **May 23, 2023**: Event on “T20 TWILIGHT”; **Jun 17, 2023**: Webinar on Climate Change and Energy - The Role of Power Electronics by Dr CV Bhanu, Professor - EEE Dept, Dean - Internal Quality Assurance Cell (IQAC) Gayatri Vidya Parishad College of Engineering, Visakhapatnam; **Jun 20-21, 2023**: Workshop on How to improve your LinkedIn profile to attract recruiters by Shri Soham Bhattacharyya ML intern, Samsung Research Institute Bangalore **Jun 21, 2023**: Webinar on “Women in leadership through IEEE activities” by Ms.Syed Sadia Hossain Associate Manager, SME Products, BARC Bank Ltd; **Jun 22, 2023**: Webinar on IEEE WIN/WIE: “Key essential for Professional development for Young engineers” by Kanika Singh Project manager, ABS, IEEE NTC Win Chair.
- **ISF at ECE Dept, Sri Venkateswara College of Engineering (SVCE), Sriperumbudur, Chennai**, organized a number of events, including a five-day webinar series titled “A Peek into the Leading Edge” on numerous facets of technology on **Apr 3, 2023**; A “Tech Entro Workshop on Arduino and Tinker CAD” on **Apr 20, 2023**; a national conference on Signal Processing, Communication, and Networking (NCSPCN) on **May 09, 2023**; and Ease the Error 3.0 calls for your name! This 24-hour hackathon event was for those who wanted to think big and make a difference on **May 15, 2023**; ISF at ECE Dept. organized a Valedictory Function of ECEA, IETE-SF & RAIC, Chief Guest of the function Shri C V Gowri Sankar, Former National Secretary of NIQR, delivered a talk on “Awareness Program on Industry 4.0” on **May 16, 2023**.
- **ISF at ECE Dept, Chalapathi Institute of Technology, Guntur, AP and IETE Vijayawada Centre** conducted a workshop on Arduino from **Apr 3-6, 2023**.
- **ISF at Dept of Electronics & Telecommunication Engineering, Shah & Anchor Kutchhi Engineering College (SAKEC), Mumbai**, organized a “Technical Poster Presentation Competition” on **Apr 5, 2023**. The event showcased the research and technical skills of undergraduate students from various academic disciplines. ISF Coordinator and HOD (EXTC), Dr TP Vinutha and faculty of SAKEC, graced the occasion, and it was coordinated by Ms Uma Raj, Asst Professor and the student counsellor of the department. Dr Harvinder Singh Gambhir, Shri NK Karnani, Ms Bhakti Garde and

Dr Asha Durafe judged the event. Around 26 project groups, having 110 participants, participated. The winners of the competition were announced at the end of the event, and cash prizes were awarded to the top performers. “Valedictory Function” held on **Apr 15, 2023** under the guidance of Dr TP Vinutha.

- **ISF at Dept of ECE, VVP Engineering College, Rajkot and IETE Rajkot Centre** organized a 2 day Skill Development workshop on ‘PCB Designing’ on **Apr 5-6, 2023** by Shri Niral Rakhasia & Shri Manthan Lakhlani. Students learnt fundamentals of electronics, software, PCB schematic design, PCB layout design, and constructed a project for testing. Dr Balvant Makvana led hands-on exercise with the ‘High Frequency Structure Simulator’ (HFSS) on **Apr 18, 2023** in Lecture cum workshop programme. Students were instructed in antenna design and the application of HFSS to microstrip antenna design. A competition for writing research papers was held on **Apr 20-21, 2023**. Numerous students participated actively and presented quality and incisive research papers. As IETE Corporate member Judges, Dr Jignesh Joshi and Dr Dipesh Kamdar provided their insights and suggestions. These students achieved the best three positions in this competition: Aastha Bhatt and Mansi Bhadouria placed first, followed by Zenil Mehta, Dev Sachdev, Ayush Khokhara, and Dev Buddhdev, and Dev Dhameliya in third place. On **Apr 29, 2023**, the Techfest “SHAURYA 2023 was organized by VVP Engineering College, Rajkot, ISTE & IETE Rajkot Centre, and over 2,000 students from various colleges in Gujarat State registered. The primary purpose of the event was to exhibit the talents of students and provide a venue for enhancing their technical and managerial abilities. Mechanical Engineering Department, Chemical Engineering Department, Electrical Engineering Department, Computer Engineering Department, IT Engineering Department, Electronics and Communication Engineering Department, Civil Engineering Department, and Biotechnology Department organized over 45 technical and non-technical events. Adventure Sports such as zip lining, monkey scrambling, and rapling were among the students’ favorite activities. Institute was embellished with Evaluation of Engineering, G20, and Energy Swaraj motifs. Shri Lalitbhai Mehta, the managing trustee of the VVP trust, and trustees Mr. Kaushikbhai Shukla, Dr Sanjibhai Oza, Shri Harshalbhai Maniar, and Dr Narendrabhai Dave contributed to the success of this occasion. The entire ceremony was led by Principal and Corporate member of IETE, Dr Tejas Patalia. Rolex Rings, Daawat Beverages, Gopal Snacks, K7 International, RNSB Bank, Weebee solutions, and others provided financial support. The student team organized and implemented TECHFEST with instructor guidance. The VVP Engineering College Fine Arts Club’s most prominent exhibition was held during TECHFEST to promote student art. Winners received Rs. 1,15,000 cash and other prizes of roughly Rs. 50,000. The Valedictory celebration had Chief Guest Shri Rambhai Moakariya, MP, and Shri Pradeep Bhai Dav, Mayor RMC. Kaushikbhai Shukla and Dr Narendrabhai Dave, VVP trustees, attended. On **Jun 15, 2023**, an industrial visit to Aartronix Innovations Pvt Ltd and Aarohi Embedded System Pvt Ltd was organized. These visits bridge the divide between the academic curriculum and the business world.
- Aartronix Innovations Pvt Ltd is an industry leader in embedded product design, development, and services for the Internet of Things (IoT), solar renewable energy, healthcare, power electronics, measuring instruments, and motor control.
- **ISF at Thakur College of Engineering (TCET), Mumbai**, organized “Oscillations Technocache 2023” on **Apr 6, 2023**, led by Prof Archana Belge. It combined a treasure hunt with technical challenges to make it interesting and educational. Teams of three were given hints to participate. Participants had to solve technical and general category clues to advance to the next task. Technical tasks like programming, circuit design, and problem-solving were mixed with fun clues. The winning team completed all challenges and solved the last clue first.
- On **Apr 10, 2023**, **ISF of Don Bosco Institute of Technology (DBIT), Mumbai**, hosted “Technical Treasure Hunt” under Oscillation 23. Dr Sudhakar Mande taught how to write a technical paper, including the topic, abstract, introduction, main body, summary, conclusion, and references. He displayed sample documents describing every detail. He explained how to choose a technical paper topic and the many types. He described journal, conference, and book chapter papers. The event closed with a thanks vote by IETE ISF student chair Benish Christo. In the next event, TE EXTC students showed their sem 6 mini project poster. The event judges discussed the students’ project methodologies and future scope.
- **ISF at Dept of EXTC, Atharva College Engineering (ACE), Malad, Mumbai** held “Technofest” on **Apr 11, 2023** in association with ISF-ACE, IQAC-ACE, IIC-ACE. Shri Upendra Nadgaonkar (Senior Program Manager (IT) with Corecard Software Inc was the Chief Guest. He appreciated the student participants’ hard work and the Technophilia events. Ms Reerna Chitalia, Founder, Edufit, guest of honor at Technofest 23’s Valedictory ceremony, presented a live webinar on “Overseas education” and thanked the IETE ACE Student Forum committee for their hard work. IET Mumbai personnel, students, and members were acknowledged for their assistance. Also thanked were Hon’ble Shri Sunilji Rane for his consistent motivation, Dr PN Nemade, Director-ACE, and Dr Ramesh Kulkarni, Principal-ACE, for their advice and assistance. Prof Mahalaxmi Palinje led the “Techno-Fest Paper and Poster Presentation Competition”.
- A “Technical Quiz on Cyber Security Awareness” under Oscillations 2023 was held on **Apr 11, 2023**, at **ISF Shivaji Jondhale Polytechnic Asangaon (SJPA), Mumbai**. Maneesh Jha, Dir of Squad Infotech, attended Oscillation 2023 as the event’s chief guest. Other guests included Prof Sandesh Badhane, HOD of Mechanical, and Prof Sweta Chanchalani, HOD, Information Technology. Shri Maneesh Jha gave a presentation on Cyber security Awareness. The event was witnessed by a total of 94 students, and the winners received prizes (1st- Rohan Kapoor & 2<sup>nd</sup> Anuj Khanvilakar).
- **ISF of K J Somaiya College of Engineering (KJSCE), Mumbai**, held a two day hands on workshop on “ESP32” under Oscillations 2023 on **Apr 11-12, 2023** IETE. 19 KJSCE and college students attended the workshop. First day of workshop covered ESP32 basics

and operation. ESP32 features, specs, and architecture were briefly explained to attendees. They also learned about ESP32 programming tools and applications. The second day involved hands-on ESP32 implementation using sensors. ESP32 sensors and microcontroller interfaces were covered. Participants saw how to build a simple IoT app with ESP32 and a sensor. Sample codes and libraries for ESP32-sensor interfaces were supplied at the workshop. Workshop participants were invited to use ESP32 and workshop skills on their own projects. Participants might ask questions and explain any doubts in the interactive workshop. The IETE Technical Team trainers were educated and provided useful ESP32 implementation insights. Participants liked the workshop's hands-on approach to learning ESP32 and sensor interfaces.

- **IST at St Xavier's Technical Institute (XTech) Mahim, Mumbai.** organised Oscillations- 2023 on **Apr 13, 2023**. The event was marked by the presence of Dr Bhavesh Patel, Principal of SAKCE Mumbai and Vice Chairman, of IETE Mumbai Centre. Approximately 120 individuals registered to participate in the 3D poster competition. The inauguration event was attended by esteemed individuals including Director Fr (Dr) Jonn Rose, Principal of XTech, Dr Shivaji Ghungrad, and HoD Dr Vijay Rathod, as well as Shri Anil Gurav, ISF coordinator, and top faculty members of the department. The event was coordinated by Mrs Surbhi Gaoshinde. The competition was evaluated by Shri Panil and Mrs Tejal, who determined the winners of the event based on the quality of the theme content and presentation. This event was well organized with strong cooperation from the IETE Mumbai office, as well as the X-TECH employees and volunteers.
- **The ISF Unit of KMEA Engineering College, Edathala, Kerala,** in association with IETE Kochi Centre conducted Workshop on LED Bulb Fabrication at KMEA Engineering College on **Apr 13 2023**. Akhila MS Safiya Kabeer, Akshaya M George, Sulphiya VN (Student coordinators, S8 ECE) were the Chief Guests. The main objective of the event was to teach a very effective business idea to the members of Vasantham Kudumbasree Ward X, Parayankaramugal, Edathala, CDS, Malekkappady A D S by familiarizing assembling of an LED Bulb and soldering. Dr Smitha KM, Dean Research and Prof Bushara AR, ECE Dept, KMEA Engineering College, Edathala graced the occasion.
- The Poster Presentation Competition was organized by IETE student forum under "Oscillations 2023" at **Shivajirao S Jondhale College of Engineering & Technology, Dombivli (E), Mumbai, on Apr 13, 2023**. The event provided students with an opportunity to present their projects and develop their presentation skills. The competition, organized by the IETE student forum, aimed to showcase the innovative ideas and technical expertise of the participants.
- The following events were arranged by **ISF at the ECE Department of Sri Sairam Engineering College (SSEC), West Tambaram, Chennai:** on **Apr 17–28, 2023**, a training program on "Embedded Protocol Developer" was led by Shri S Gopinath, Technical Director, Shri S Balavignesh, Business Executive; Shri J Mariaselvam, Trainer GE Tech Lab, Chennai ; on **May 3–4, 2023**, a training program on "Smart Phone Servicing and Troubleshooting" was led by B Krishnakumar, Managing Director, New Technology, Coimbatore. A placement talk on "Embed UR System" on **May 13, 2023**, by Shri V Sandeep, Software Engineer, Embed UR; a World Telecommunication and Information Society Day Celebration "Quiz" on **May 17, 2023**; and an alumni talk on **May 31, 2023**, by Ms. Swetha S Consulting Engineer, CISCO Systems, Bangalore, on "Insights on Cloud Computing and Experience of getting into CISCO."
- **ISF at ECE Dept of Kings Engineering College (KEC), Irungattukottai, Chennai,** organized a National Level Technical Symposium "Techno Kings 2K23" on **Apr 18, 2023**. About 85 persons attended.
- The **ISF at the ECE Department of Universal College of Engineering & Technology (UCET), Dkipparru (V), Medikonduru (M), Guntur Dist, AP,** in collaboration with the IETE Vijayawada Centre, hosted a three-day workshop titled "Internet of Things Using ESP32" from **Apr 18-20, 2023**. The workshop was led by Shri K Bapuji, Chief Executive Officer of Appleton Innovations Visakhapatnam.
- **ISF at Dept of ECE (IOT), Seshadri Rao Gudlavalleru Engineering College (SRGEC), Gudlavalleru, AP and IETE Vijayawada Centre,** organized the 'Innovation Day' on **Apr 21, 2023**. Shri Vellore Akash, Director, Adyuga and Shri T Saran, IoT Developer, Adyuga were Chief Guests at the event. Hackathon on Internet of Things, organized by Vijayawada Centre during **July 11-13, 2023**. Dr YSyamala, HoD-IoT, SRGEC graced the occasion. Dr Vijay Krishna Samy was the Chief Guest at an International Faculty Development Program held in online mode, organized by Vijayawada Centre during **July 17-22, 2023**. Topics covered were: IoT, Industry 4.0 and Stress Management. Workshop on Hackathon on Internet of Things elicited good participation. Dr GVSNRV Prasad, Principal, SRGEC and Dr Y Syamala, HoD-IoT, SRGEC graced the occasion.
- **ISF of RIT, Rajaramnagar, Sakharale (Islampur),** hosted an expert lecture on "Embedded System Design Using IOT" by Dr Y Srinivasa Rao, Department of ETE, Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology in Mumbai, India on **Apr 21, 2023**. It targeted third-year offline BTech students. The speaker explained how IOT implements embedded system design. The whole technique and embedded design project implementation were explained. The latest embedded system and design technology, including Arduino and Raspberry Pie, was discussed along with the microcontrollers 8051 and PIC Controller. Students explored wireless projects and microprocessor interfaces. The specialist focused on processor/controller interfacing approaches in the live session. He also explained how embedded systems have transformed electronics and how microprocessors and IOT Technology can make applications and projects practical and intelligent. He taught students how to make high-quality, application-based real-time projects using embedded design and technology. Hardware and software form an

embedded system, a specialised computer system that performs specific tasks. The Internet of Things allows data transmission over a network without human or computer engagement. The Internet of Things connects physical objects. Dr M S Patil, Dr M S Kumbhar, Dr A B Kakade, Prof R T Patil, Prof R J Patil, and Mrs S R Watharkar attended.

- “Antaragni Techno – 2K23” was put together by the **ISF** and the **Dept of ECE of DVR and the Dr HS MIC College of Technology Kanchikacharla, Vijayawada**, along with the IETE Vijayawada Centre, on **Apr 21, 2023**. On this occasion, events like prototyping and poster presentations were held. Dr P Kishor Kumar NIT Andhra Pradesh gave a guest lecture on “Optimization Methods” on **Apr 29, 2023**, at the ISF of the Dept of ECE of DVR and the Dr HS MIC College of Technology in Kanchikacharla, Andhra Pradesh in association with IETE Vijayawada Centre.
- **ISF at Govt Polytechnic Chhotaudepur, Vadodara**, held a webinar on **Apr 22, 2023** by Ms Hinal Shekheda, Associate Design Engineer, ABB India Ltd, Vadodara on topic, ‘Recent trends in switchgear and protection. She explained that with the pace of government initiatives for development of smart grid, there is need to develop different kinds of switchgear suitable for smart grid operation and that is more compact, reliable, environment-friendly and requires minimum installation and commissioning time. Gas-insulated switchgear, which use sulphur hexafluoride (SF<sub>6</sub>) gas as the insulating medium, are picking up pace and gaining popularity as the preferred technology in India, especially, in the transmission segment. Shri KR Chaudhri, Ic Principal, GP Chhotaudepur, Shri VH Ghanchi, Ic HOD EED, Shri GG Patel, Lecturer EED & Shri RD Parmar, Lecturer EED, Government Polytechnic Gandhinagar graced the occasion. **ISF at Chhotaudepr College** organized the following activities: (i) Online talk on ‘Industrial Safety awareness’ by Smt Binal Modi, Assistant Professor, Parul University on **May 4, 2023**. She explained that basic aim is to protect industrial workers, machinery, facilities, structures, and the environment. Good safety practices keep workers safe and help maintain employees, vendors and client’s satisfaction besides ensuring continued production by preventing disruptive incidents, thereby reducing workers compensation costs, minimizing indirect costs associated with accidents and enhancing employee morale. Shri K R Chaudhri, I c Principal, GP Chhotaudepur, Shri V H Ghanchi, I c HOD, EE Dept, Shri R M Kantharia Lecturer EE Dept and Shri S Y Gandhi Government Polytechnic Gandhinagar graced the occasion. (ii) ‘Technical visit to SEW Euro drive – GIDC POR Vadodara’ on **May 23, 2023** under the supervision of Shri V H Ghanchi, Ic HOD EE Dept, Shri R M Kantharia, Lecturer EE Dept. Shri Bijal Shah, Plant Head and Shri Priyesh Patel, of the company explained about various drives and their controlling mechanisms. (iii) Celebration of Environment Day via Tree Plantation Drive at the College Campus on **June 5, 2023**. Shri K R Chaudri - Ic Principal GPC, Shri V H Ghanchi - Ic HOD EE Dept, Shri H S Chaudhri - Ic HOD ME Dept, Shri S S Gamit - Ic HO Automobile Dept, Shri K P Prajapati - Ic HO Civil Dept, Shri M S Sangahada
- Ic HO General and Science Dept, Shri V C Chaydhri, Lecturer ME Dept, Shri R M Kantharia, Lecturer EE Dept, Shri D D Rathva, Lecturer ME Dept, Shri P J Vasava, Lecturer ME Dept, Shri S Y Gandhi, Lecturer EE Dept & Shri S K Mistry, Lecturer Automobile Dept graced the occasion. Students planted trees and took pledge to take their care.
- **ISF at E&TC Dept, MKSSS’s Cummins College of Engineering for Women (CCOEW), Pune**, organized ISF Inauguration function and expert lecture on **Apr 24, 2023**. Shri Suresh Naik, former ISRO Group Director and Chief Guest, inaugurated ISF at the Institute. Dr V V Shete, Chairman IETE Pune Center and Guest of Honor, told students about IETE Students’ Forum. Dr Prachi Mukherji, ISF coordinator and HoD (E&TC), informed students about ISF options. Expert Shri Suresh Naik spoke on ‘Chandrayan, Mangalyan and the Future of Space Missions in India’. He discussed space ship launch requirements and technologies for moon and mars missions in his address. He used animations and movies to convey concepts. He added ISRO’s Mangalyaan project was the first to succeed on its first try. Event attendees were 10 faculty and 49 students. Prof Sagar Vanarase proposed vote of thanks.
- **ISF at ECE Dept, Sri Sairam Institute of Technology (SSIT), West Tambaram, Chennai**, organized a guest lecture on ‘VLSI Circuit Design and its Significance in IOT Platform’ on **Apr 25, 2023** and a Boot camp on “IOT & Robotics” by Dr K Mariammal, AP/Electronics Engineering, MIT, Chennai & Dr S Ewins Pon Pushpa, AP/ECE, CEG Campus, Anna University, Chennai on **May 4-5, 2023**. It was attended by about 40 students.
- **ISF at ECE Dept, St Xavier’s Catholic College of Engineering (SXCCE), Nagercoil, TN**, organized a workshop on ‘Internet of things using Tinker cad’ on **Apr 25, 2023**. Tinker cad is a free, browser-based design program for teaching and learning 3D modeling, electronic circuitry, and basic coding. ISF Coordinator, Dr L Femila welcomed the gathering. Dr M Marsaline Beno, Dean Research expressed his views. Dr S Arumuga Perumal, PAC- Chairman, IETE Nagercoil gave a technical talk about recent technologies. Er K Vivekananth, IoT Engineer, Riyassa Lab, Nagercoil, led the workshop, which was divided into two sections. In the first section, the introduction and implementation of Tinkercad in IoT are discussed. In the second session, agricultural IoT applications and prototype development were demonstrated. During the concluding session, students shared their reflections and certificates were distributed.
- **ISF at Indus University, Ahmedabad** held an awareness session of “Engineering Your Path to Success: Navigating Entrepreneurship, Innovation, and IPR” on **Apr 25, 2023** with the aim of equipping engineering students with the necessary knowledge and skills to succeed in the modern world of entrepreneurship and innovation. The chief guest for the event was Shri Nilesh Desai, Distinguished Scientist and Director, SAC-ISRO, Ahmedabad. About 200 people, including ISF students, participated, including the president and vice president of Indus University, as well as directors, deans, heads of department, and faculty from every school at Indus University.



- **ISF at Dept of ECE, Mother Teresa Institute of Science & Technology, Sankethika Nagar, Sathupally, Telangana**, in association with the IETE Vijayawada Centre, conducted a National Level Workshop on “ARDUINO Programming with IOT” during **Apr 26 -28, 2023**. Dr B Rajasekhara, Chairman of the IETE Vijayawada Centre, was the Chief Guest at the ECE Department’s inauguration of the IETE Student Forum (ISF).
- The National Level Intercollegiate Project Competition was held on **Apr 26, 2023** at **JSPM’s Bhivarabai Sawant Institute of Technology and Research (BSIOTR), Wagholi, Pune**, in conjunction with the IETE Pune Centre. The Competition was inaugurated in august presence of Shri Anil Bhosale, Director, JSPM Group of Institute and by the auspicious hands of Dr R D Kharadkar, Immdt Past Chariman IETE, Pune Centre, Dr T K Nagaraj, Principal BSIOTR, Shri Krishan Pal Director, Incedo Technology Pvt Ltd, Pune and Shri Amol Shinde, Senior Manager, Incedo Technology Pvt Ltd. Almost all groups of students who participated in the IETE project competition exhibited an exceptional level of response and initiative. All judges evaluated all projects assigned to them, and selected 13 groups for the second round of IETE project selection from the BSIOTR Centre. After evaluating the project in the second round (shortlisting the 13 projects shortlisted in the first round). The following mentioned three initiatives and five groups were selected as finalists. Shri Krishan Pal, Shri Amol Shinde, DrAmol Bhoi (GH Raison, Pune), Dr Omprakash Rajankar (Dhole Patil COE, Pune), Prof Vipin Vibhute (DYPCOE Akurdi), Prof Kiran Patil (ICOER, Pune), Prof Anand Trikolikar (ICOER, Pune) worked as evaluator and judges for the competition. For the chance to serve as one of the centers for the IETE Project Competition, the ISF owe a debt of gratitude to Dr V V Shete, Chairman of the Pune Centre, Dr D G Bhalke, Secretary of the Pune Centre, and the rest of the Executive Committee of the Pune Centre. They were exceptionally grateful to JSPM management for supporting the successful implementation of this event. *First five winners:* (i) Pritam Mondal , Satya Rajput, Shreyasi Phadtare & Samrudhi Shrotri (Dhole Patil College of Engineering, Pune) for Project, ‘IoT based Smart Farming’ (ii) Abhijeet T Chaudhary Avinash B Ghalme (JSPM’s Bhivarabai Sawant Institute of Technology and Research, Wagholi, Pune) for Project, ‘Arduino Based CNC Machine’ (iii) Ashlesha Takale and Anjali Takale (JSPM’s Bhivarabai Sawant Institute of Technology and Research, Wagholi, Pune) for Project, ‘Military Spying Robot’. (iv) Pratik S Tale, Ashutosh R Thakur, Anteshwar N Yenge, Kuber A Ubale & Nishant S Pawar (JSPM’s Bhivarabai Sawant Institute of Technology and Research, Wagholi, Pune) for Project, ‘Automatic Solar Tracker Using Arduinio’, v) Sweta More, Neeraj Raje & Prajakta Navatake (Imperial College of Engineering and Research, Wagholi, Pune) for Project ‘E-Driving License Management System’.
- **ISF at Dept of ECE, RVR & J C College of Engineering Chowdavaram, Guntur** and IETE Vijayawada Centre organized ‘Technophilia – 2K2’ on **Apr 26, 2023**, comprising Electo Appearance (Paper Presentation), Braino Spark (Technical Quiz), ZigZag with Electronics (Tech puzzle), Circuit Combat (Battle with circuits) and Tech Trove (Treasure Hunt)..
- **ISF & Dept of ECE at CARE College of Engineering, Trichy** conducted online International Conference on Information and Communication Engineering (ICICE’23) on **Apr 26-27, 2023**. Dr S Shanthi, Principal and Dr A Pasumpon Pandian, Dean R&D graced the occasion. Dr Saravanan, Principal Scientist at Intel Corporation, USA, the Chief Guest delivered an insightful lecture on the Future of Computing, sharing his experiences and educating students on the latest trends. ICICE’23 provided a multidisciplinary platform for scientists, researchers, and academicians to present and exchange ideas on the latest research works and results related to a wide range of topics. These included artificial intelligence, robotics, cryptography, network security, wireless sensor networks, and renewable energy resources, among others. The conference received a total of 93 papers from across India. Out of these, only 40 papers were accepted and registered for both track 1 and track 2 of the conference.
- **ISF at ECE Department at G Narayanamma Institute of Technology & Science (GNITS), Hyderabad** hosted its valedictory function –*Alcaeus* on **April 27, 2023** for celebration of the technical and non-technical achievements of the **IETE – ISF Association.**, where prize distribution and certificates for the winners and participants of the various competitions were done. Prof Nuli Namassivaya, Chairman, IETE, Hyderabad Centre graced the occasion. The Association organized a range of events throughout the year, conducting competitions like Technical Treasure Hunt, Tech codopuzz, Technical Quiz, Seminars, Industrial visits etc. These events offer students a platform to showcase their technical skills creatively and help foster a spirit of healthy competition.
- **ISF at ECE Dept Agni College of Technology (ACT), Chennai** organized a three-day workshop on “Industrial Automation using Bosch Rexroth PLC and Servo Drive” on **Apr 27, 2023**. Around 45 students attended.
- **ISF at Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology,Avadi, Chennai**, organized an International Conference on “Smart System Technologies and Applications” (ICSSTA 2023) in collaboration with the IETE Chennai Centre on **Apr 28–29, 2023**. Dr K Jaya Sankar, Vice President, Chairman of Pubs & Co-Chairman TPPC, IETE, New Delhi, was the guest of honour.
- **ISF at Dept of ECE, Dhanekula Institute of Engineering & Technology (DIET), Ganguru** and IETE Vijayawada Centre together organized ‘National Level Project Expo’ on **Apr 29, 2023**. Dr B Raja Sekhar Chairman Vijayawada Centre and G K Durga, GM, BEL inaugurated the Project Expo in midst of 55 participants.
- **ISF at Dnyanshree Institute of Engineering and Technology, Satara** held Dnyanavishkar 2K23, a Project Exhibition on **May 3, 2023** in collaboration with the Research and Innovation Quality Circle for TY and Final year BTech students of RWMCT’s Dnyanshree Institute of Engineering & Technology, Satara. Dr Sandeep Thorat and Dr RY Mali (MIT SOE Loni Kalbhor, Pune) delivered keynote addresses, in which they encouraged the aspiring engineers to make meaningful contributions to real-world problems. The event was

attended by the Vice Principal Dr UR More, the Principal Dr AD Jadhav, and the MD Shri Rohit Wangde. Judges from all departments were welcomed and introduced by Dr Jadhav and Dr More. It featured 66 working major projects and 66 minor projects. Real-world issues in transportation construction management, environmental engineering, design and manufacturing, automation, electrical machines, and block-chain were brought to light by the projects' prototypes. controls, power grids, and alternative sources of energy. Students showed out the functionality of their inventions. There were found to be two distinct groups competing for first and second place. Thereafter, Prize Distribution Ceremony actuated towards felicitating the winner from Project Exhibition Segment. The Honorable Principal, Dr A D Jadhav, congratulated the awardees and urged the next generation of engineers to make even greater contributions to the advancement of the country through their innovations. Volunteers from the ISF were also thanked for their contributions to the event's success. Professor P M Pondkule, coordinator of the Quality Circle for Research and Innovation, put forth the motion for the vote of thanks.

- **ISF at Sri Indu College of Engineering & Technology (SICET), Hyderabad**, organized the event 'Project Expo- 2023' (Nava Pradyogiki Pradarshini) during **May 4-10, 2023**. Concurrently, two competitions were held, namely 'Project competition' & 'Quiz and Challenge your Idea'. The winners of the 'Project competition' were awarded cash prizes of Rs 2500 and Rs1500 for the first and second places. Winners of the 'Quiz & Challenge your Idea' competition were awarded a cash prize of Rs 1,000. Prof Suresh Ballala, ISF coordinator welcomed the gathering. Dr G Suresh, Principal, SICET shared his views on working models and their extendabilities. The students actively participated in all the competitions. Prof K Ashok Babu, Convener delivered speech on trends and technology revolutions and also evaluated results. Shri E Parusharamu proposed the vote of thanks.
- **ISF at School of Electronics Engineering, Vellore Institute of Technology**, in association with IETE Chennai Centre organized the 2nd International Conference on "Vision Towards Emerging Trends in Communication and Networking Technologies(VITECON 2023)" on **May 5-6, 2023**. Guest of Honour: Dr K Jaya Sankar, Vice President, Chairman Pubs & Co-Chairman TPPC, IETE.
- The School of Electronics Engineering of VIT-AP University and IETE Vijayawada Centre organized an online industry guest lecture on 'Current Industry Trend of Data Analytics with IIoT' on **May 10, 2023** technically sponsored by **ISF at School of Electronics Engineering of VIT-AP University**. Shri Rahul Saha, Chief Data Scientist, Intelligent Power Plant, TCS, Kolkata was the guest speaker.
- **The ECE Department at Narula Institute of Technology (NIT), Kolkata** and its **ISF unit** hosted "National Technology Day" with the subject "School to Startups - Igniting Young Minds to Innovate" on **May 11, 2023**. Dr Sangita Roy and Mrs Arpita Santra of the ECE Department oversaw program coordination. The speech given by Professor Kaushik Sarkar inspired the audience. He probed pupils for examples of real-world issues that they had successfully addressed. The students all chimed in with helpful suggestions. The future of research was laid out by Prof Swastika Chakraborty in his address. The students displayed their concepts on posters. The significance of the day and its ramifications were discussed by Mrs Arpita Santra. Dr Sangita Roy gave the closing remarks and everyone expressed their gratitude.
- **ISF at ECE Dept, Anand International College of Engineering, Jaipur** organized, 5-day workshop on 'Mobile Application Development using Flutter' from **May 15-19, 2023**. Shri Mukul Shandilya, Research Engineer at Learn & Build in Jaipur, spoke about his experiences in the field of Mobile Application Development, detailing the value and process of making apps for various mobile platforms. Principal Vijay Kumar Sharma, Vice-Principal Professor Praveen Agarwal, and Honorable Vice-Chairperson of the Institute Smt Monika Mittal Agarwal shared their thoughts. Participants were awarded certificates of completion. ISF, Jaipur Faculty Coordinator and IETE member Shri Vivek Bhojak oversaw the program's execution. The Head Organizer was Shri Rahul Sharma. Roughly 87 people showed up. The LSA, Department of Telecommunications (DOT), Government of India, in association with the IETE Student Forum Anand-ICE, Jaipur, hosted a workshop on "EMF Radiation Awareness Programmes in Commemoration of Azadi ka Amrit Mahotsav (AKAM), Tower Myths & Tower Installation Fraud & Brief of 5G Technology" on **Jun 23, 2023**. The goal of the workshop was to generate ideas for goods and solutions in the 5G and beyond space that are applicable to India. Shri Rakesh Kumar Meena, ITS, Indian Telecom Services-2003, Director (Compliance), Department of Telecommunications (DoT), Rajasthan LSA, and Shri Hari Om Gupta, Assistant Director (Compliance), Department of Telecommunications (DoT), LSA, spoke on topics like 5G technology, securities concerns, installation fraud, and other related topics. The delegates were greeted by Mrs Monika Mittal Agarwal, the Institute's Honorable Vice-Chairperson, together with Professor Vijay Kumar Sharma, the Institute's Principal, and Professor Praveen Agarwal, the Vice-Principal. Shri Vivek Bhojak, Coordinator & IETE, Faculty Coordinator Students' Chapter Anand -ICE, Jaipur, and Shri Dharmendra Kumar, Co-coordinator, oversaw the event's execution. There were 106 people.
- The **ISF** along with the **ECE Dept of Guru Nanak Dev Engineering College (GNDEC), Ludhiana**, celebrated World Telecommunication and Information Society Day (WTISD) under the capable and inspiring direction of Principal Dr Sehijpal Singh, ISF,GNDEC, Ludhiana arranged a one-day expert presentation on "Emerging Technologies" on **May 17, 2023**, International Telecommunication Day. Introducing the event was Dr Narwant Singh Grewal, HoD, Electronics and Communication Engineering. The guest speaker was introduced by Prof Shivmanmeet Singh, the faculty in charge of the IETE Students' Forum, and Dr Munish Rattan, the coordinator of the forum. **Prof P Prabhakar**, the immediate past president of IETE, gave his perspective on leadership, dedication, and skill sets. He also imparted vast knowledge to the students and motivated them to do great things in the future. Pupils posed

questions, and the speaker addressed them, greatly influencing the pupils. Students Anmol and Ratshak hosted the Expert Talk, which included the entire student team of IETE members. The ceremony was finished with great enthusiasm after Prof Gurjot Kaur and Prof Kuldeepak Singh proposed a vote of thanks to the speaker and all those in attendance. Following this expert Talk, deans and HoDs met to discuss ways to improve the technological environment as a whole.

- IETE Bhubaneswar, Centre and **ISF Gandhi Engineering College (GEC), Bhubaneswar**, joined together to celebrate the 55<sup>th</sup> World Telecommunication & Information Society Day on **May 17, 2023**. This program was attended by 119 students and more than 18 faculty members. Er U V Ramana, DDG (Technology), Dept of Tourism, Bhubaneswar, Odisha, had been invited to be the chief speaker for the event. Principal of GEC, Bhubaneswar, Prof (Dr) A Baradeswaran gave a welcome speech to kick off the program. Prof (Dr) KVNS Rao, the Dir of GEC, Bhubaneswar, thanked the new members of the ISF and encouraged them to run such programs in the future. The guest speaker was presented by Prof Himansu Bhusan Mohapatra, HOD of ECE, who also explained the purpose of the presentation. The annual report on ISF activities was read aloud by Dr Pravash Ranjan Tripathy, the Dean of Academics. Speaking about the advantages and significance of ISF members was Shri S K Brahma of IETE Bhubaneswar. The new ISF members received I-cards and certificates of ISF membership. Finally, Assistant Professor of ECE, Prof Kaustav Das, offered a vote of thanks.
- **ISF at ECE Dept, St. Joseph's College of Engineering, OMR, Chennai** organized a guest lecture on "Architectural Advancements in Deep Learning" by Shri M Deepan Raj, Lead Data Scientist, HCL Technologies, Chennai on **Jun 9, 2023**, attended by about 120 participants.
- The **ISF** along with the **Dept of ECE, Kallam Haranadha Reddy Institute of Technology, Guntur** and IETE Vijayawada Centre organized online Faculty Development Program on 'MIMO Antennas for 5G Communications' during **June 26-30, 2023**.
- The **ISF of Gandhi Institute of Technology (GIFT), Bhubaneswar**, hosted a welcome ceremony and poster competition on **July 12, 2023**, to celebrate the enrollment of 48 new members. Dr U S Panda, Honorary Chairman of IETE Bhubaneswar, delivered the welcome address. He advised the young engineers to concentrate on their studies and comprehend the nation's current needs. Dr S K Brahma, Coordinator, described the function of ISF and solicited the participation of additional IETE members as Corporate, ISF members. Prof S K Maharana, the college's principal, commented on the ISF's activities in the college and pledged to provide an adequate platform for the ISF. Prof R N Mishra, Dean of Academic Affairs, Prof S Behera, coordinator, ISF, GIFT, and a large number of teaching personnel were present. After the meeting, the evaluators evaluated and awarded prizes for all 15 poster presentations. 230 individuals attended the event.
- **ISF at ECE Dept, Vignan's Institute of Engineering for Women (VIEW), Visakhapatnam**, conducted a one-day Industrial Visit for 3rd year students to "Andhra Med Tech Zone (AMTZ) under IETE VIEW Student Chapter on **July 24, 2023**.
- **ISF at Dept of ETE, Pravara Rural Engineering College (PREC), Loni, Mumbai**, hosted an Alumni Visit by Shri Vinayak Lahamge (Business Analytics) of pass-out batch 2021-22 on **Aug 9, 2023**. He spoke on, 'Job Journey Path' and elaborated skills required for MNC companies. Dr Sanjay L Kurkute, HOD E&TC, Shri M S Anap & Shri M R Gaikar were faculty coordinators, supported by students Shri Rakesh Patil & Ms Mayuri Bhangare.

## IETE Organisational Members Activity

**VVP Engineering College, Rajkot (G00374)** in collaboration with ISTE Gujarat and IETE Rajkot, hosted the Annual Hackathon "EKLAVYA" for all degree engineering students in the state on 28<sup>th</sup> April 2023. In the aforementioned hackathon, four teams of young aspiring engineers competed with novel solutions for addressing social issues with empathy. The objective of Hackathon was to improve the students' technical and soft abilities. With a multidisciplinary approach, students had access to a vast platform to showcase their talents. This event was intended to improve problem-solving skills, critical thinking, and a commitment to lifelong learning. The purpose of this event was not to limit the innovation and creativity of students to a particular domain or field. Sustainable development, cleaner production, greener production, renewable energy, and public health were the topics of discussion. From the 93 teams that registered, 72 were chosen. The entries were evaluated by external judges from neighboring institutions and industries. The top three teams were awarded cash rewards.

Dr Sachin Parikh, Chairman of the ISTE Gujarat Section, was the special guest of honour. Guests included Prof (Dr) Atul M Gonsai, Chairman, IETE Rajkot Centre, Shri Maneshbhai Madeka, an industrialist from Rolex Rings, and Dr Bhaskar Bhatt, Secretary and Treasurer of the ISTE Gujarat Section. The event was attended by Dr Narendrabhai Dave, Shri Kaushikbhai Shukla, and Dr Tejas Patalia, the principal. This event was supported by VVP trust Managing trustee Shri Lalitbhai Mehta and trustees Shri Kaushikbhai Shukla, Dr Sanjibhai Oza, Shri Harshalbhai Maniar, and Dr Narendrabhai Dave. Dr Tejas Patalia oversaw the entire event. Received financial support from Rolex Rings, Daawat Bevarages, Gopal Snacks, K7 International, RNSB Bank, Weebie solutions, and others. **Among the winners were** - 1 Harsh Thummar Khushal Shukla & Karan Herma Jay Khambhayta: Rs. 25000/- 2 Vara Prakriti Jhala Neet & Sisodiya Chahek Kishan Jilka: Rs. 15000/- and 3 Disha Vala Harshil Kotadiya and Jash Chavda. Anjali Pattani: Rs 10,000.

## News from Professional Activity Centres

### ➤ IETE PAC Nagercoil

ICT Tech Update seminar on “**ChatGPT- A cutting Edge AI technology**” was organized by IETE Nagercoil PAC in collaboration with IETI KKLC on 29<sup>th</sup> April 2023. Dr S Arumuga Perumal delivered a technical talk on GPT Application and Usage. Mrs Sethu Ramalingam and K Vivekananth demonstrated ChatGPT sessions with hands on training with good number of participants.

### ➤ IETE PAC Australia

The PAC conducted its 21<sup>st</sup> International Symposium on 30 July 2023 at Robertson Lecture Theatre of the Murdoch University, which was attended by 70 delegates with 12 members joining online from Australia and India. The Symposium was tremendously successful.

The event was opened by **His Worship Mayor George Gear** of the City of Melville, and the **Honorable Consul General Amarjeet Singh Takhi**, the Guest of Honour. **Professor Rajeev Varshney**, of international renown, then lead presentations and panel discussions.

Federation of Indian Associations of WA (FIAWA) committee members assisted in setting up the hall, exhibit table, and kitchen. **Ms Sonal Bhushan** was IETE Australia is proud to aid achieving success and ascending contribute throughout the year to Symposium presentations included decarbonisation in Australia necessary in AI by **Pankaj Patro**, disclosures by **Jagpreet Walia, Sinha**.



the program’s Master of Ceremonies.

all professionals and students in the value chain. All 132 members aid others in any way imaginable.

the following: 1) Accelerating by **Atul Garg**, 2) Is regulation 3) Upcoming mandatory ESG 4) Robotics in Medicine by **Dr Atul**

All of the above speakers, as well as the three panelists **Prof Rajeev Varshney, Dr Sandeep Sharma, and Er Eipe Chundemannil**, deserve congratulations. Due to time constraints, They were unable to address all follow-up questions individually. Prof Rajeev Varshney,

on behalf of the Pro Vice Chancellor, also represented Murdoch University for the sustained promise of support and collaboration with IETE Australia. The group led by **Atul Garg**, Chairman PAC Australia was particularly appreciative of the letter of support they received from Murdoch University for PAC’s efforts. Finally, but just as importantly, congrats to all IETE Australia members, including those who were present. They all contribute significantly to the community by fostering an atmosphere of high-tech professionalism. The Symposium was promoted through IETE Australia’s own social media channels (WhatsApp, website, and Facebook pages). It was also advertised to the general public on the website of the City of Melville.



## OBITUARY



We regret to inform you about the passing of our former IETE colleague, **Shri John Mathews** on September 29<sup>th</sup>, 2023, who diligently and honestly served IETE as Head Finance division for four decades. He was not only proficient in his work but extremely polite and helpful. While visiting his son in the United States, he had a brain haemorrhage. New York’s St Stephen’s Knanaya Catholic Parish hosted a prayer service in his memory. Shri Elavunkal John Mathew worked for IETE from 1984 till 2010.

We pray the God Almighty for grating peace to the departed soul and give strength to his family members to bear this loss.

## New IETE Members Enrolled/Upgraded during 1<sup>st</sup> April to 31<sup>st</sup> July 2023

S.N.	MEM	CAT	Name	S.N.	MEM	CAT	Name	S.N.	MEM	CAT	Name	S.N.	MEM	CAT	Name
1	503873	AM	ANANDA SELVA KARTHIK T	67	501685	F	JUGGE, PRAVEEN, DR	135	503902	F	SAIN, CHIRANJIT, DR	203	503839	M	KALAIARASAN R, DR
2	503874	AM	POONGUZHALI P K, DR	68	501690	F	GUPTA, AMIT KUMAR	136	503903	F	BEHERA, TAPAN KUMAR	204	503840	M	RAJESH KANNA R, DR
3	503875	AM	KAVITHA K	69	501938	F	DUBEY, RAHUL, DR	137	503904	F	TRIPATHI, MADAN MOHAN, DR	205	503841	M	RISHITEJ CH
4	503876	AM	MENAKADEVI N	70	502195	F	MAHESH A, DR	138	503905	F	SREEKANTH Y	206	503842	M	RAMESH L
5	503877	AM	MANJULA T, DR	71	502321	F	ADITI, DR	139	503906	F	AGARWAL, ADITYA, DR	207	503850	M	RAJENDRA C J
6	503878	AM	DEEPIKA K S	72	502324	F	KUMAR, KRISHAN, DR	140	503907	F	SINGH, OM PRAKASH, DR	208	503851	M	BHAVYA B
7	503879	AM	RASHMI C R	73	503114	F	SESHACHALAM D, DR	141	503908	F	CHITRA K	209	503852	M	KUMAR, ANIL
8	503880	AM	SHWETHA S	74	503759	F	PITCHAIHA T, DR	142	503909	F	HUSSAIN, IKHLAQ, DR	210	503853	M	KAKARLA, SANDHYA RANI
9	503881	AM	LALITHA B	75	503760	F	BHARATHAN	143	503910	F	ROY, PARTHA PRATIM, DR	211	503855	M	SARIKA A S
10	503882	AM	VINDHYA G B	76	503761	F	PORKUMARAN, DR	144	503911	F	SINGH, SANGEETA	212	503856	M	SENTAMILSELVI M
11	503883	AM	MANJUNATHA M N	77	503762	F	ANANDAN P, DR	145	503912	F	INAGANTI RAMBABU	213	503857	M	MAHESHWARI A
12	503884	AM	VINAYA B K	78	503763	F	MITTAL, NEHA, DR	146	503913	F	NALLUSAMY R, DR	214	503858	M	SUDHAKAR K
13	503885	AM	ARPITHA H B	79	503764	F	TRIPATHI, SUBODH KUMAR, DR	147	503914	F	SUNITHA, Y N, DR	215	503859	M	NEETHITHI AADITHIYA B
14	503886	AM	SOWMYA M R	80	503765	F	SHARMA, PRIYANK	148	503915	F	KUMAR, ATUL NAVRATAN, COL	216	503860	M	KAARTHIK K
15	503887	AM	VINAYA KUMAR S R	81	503766	F	MANJULA K B	149	503916	F	SARADA A	217	503861	M	PRAVEEN KUMAR K C
16	503888	AM	ANUSHREE T	82	503767	F	PADMAVATHI	150	503917	F	SUNIL C, DR	218	503862	M	PRADEEP M
17	503889	AM	SREENIVASA T V	83	503768	F	KAMBLE, VAISHALI H	151	503918	F	ROY, INDRONEIL SINHA	219	503863	M	KHAN, ASIF ULLA
18	503890	AM	MANOHARA T N	84	503769	F	VISHNU PRIYA T, DR	152	503919	F	VANDANA B, DR	220	503864	M	ARUN KUMAR M S
19	503891	AM	SHIVA PRASAD Y	85	503770	F	JAGLAN, POONAM, DR	153	503920	F	PHANI TEJA, N	221	503865	M	SUHAS K C
20	503892	AM	GAGANA R	86	503771	F	NISHOK V S, DR	154	503935	F	JAIN, MANOJ	222	503866	M	MAHESH N
21	503893	AM	LAKSHMI SHREE B	87	503772	F	TURAKA, RAJASEKHAR, DR	155	503936	F	UPADHYAY, RAJKUMAR, DR	223	503867	M	YASHASWINI C S
22	503894	AM	SANDHIYA R	88	503773	F	SHAIK S, DR	156	503937	F	HARI KUMAR R	224	503868	M	DHARANESH KUMAR M L
23	503895	AM	SUBASELVI S, DR	89	503774	F	KHEDKAR, ASHOK R, DR	157	503938	F	GANESH R	225	503869	M	NAGESH S B, DR
24	503896	AM	KAVITHA S	90	503775	F	ROHITH BALA JASWANTH, B	158	503939	F	DAVE, RAVI L	226	503870	M	MADONA B SAHAAI, DR
25	503933	AM	BANSAL, SAUMYA, DR	91	503776	F	HIMA BINDU CH, DR	159	503940	F	BISWARANJAN, SENAPATI, DR	227	503871	M	VINAY T P
26	503934	AM	POCHHI, ROHINI D	92	503777	F	MAMIDI RATNABABU, DR	160	503941	F	RAJKUMAR, DR	228	503872	M	PRASATH S, DR
27	503952	AM	PRAVEEN PRAKASHRAO LIKHITKAR, DR	93	503778	F	PRAVEEN KUMAR, D	161	503942	F	SEETHARAMAN, DR	229	503921	M	MAKWANA, ROOPESH
28	503953	AM	SHARMA, RAHUL RAJENDRA	94	503779	F	KRISHNA PRASAD, S J	162	503943	F	VUJAYASARATHI B	230	503922	M	YADAV, DHARMENDRA KUMAR
29	503954	AM	TOMAR, ANUBHAV SINGH	95	503780	F	DINESHA P, DR	163	503944	F	DEB, DIPANKAR, DR	231	503923	M	CHAYDA, SUNIL
30	503955	AM	RAMU R	96	503781	F	SAPNA P J, DR	164	503945	F	BINDU S, DR	232	503924	M	AHIRWAR, RAJESH BABU
31	503956	AM	SOLANKE, RAVINDRA R	97	503782	F	DEEPA N P, DR	165	503946	F	MINI K N, DR	233	503925	M	NATH, SAYANTAN, DR
32	503957	AM	MAHAMUNE, RUPESH S	98	503783	F	KARTHIK S, DR	166	503947	F	CHAKRAVARTHY V V S S S, DR	234	503926	M	LILHARE, POONAM
33	503958	AM	DHARMALE, NEERJA S, DR	99	503784	F	SURESH D S, DR	167	503948	F	MONDAL, PRATIK, DR	235	503927	M	BHALAVI, AMITESHWAR
34	027809	F	MOORRTHI R S	100	503785	F	SHANTALA C P, DR	168	503949	F	CHOWDARY, SATISH R P, DR	236	503928	M	MOODA, RAJESH
35	104831	F	LAKSHMI NARAYANA J, DR	101	503786	F	RAMAKRISHNA G	169	503950	F	RAMESH BABU, B S S V, DR	237	503929	M	BHATT, ADITYA NATH, DR
36	121019	F	SHARMA, SAVITESH M, DR	102	503787	F	SRIDHAR, K N RAO, DR	170	503951	F	VADHEAR, RAGHAV, DR	238	503930	M	RAKHEE, DR
37	125674	F	SHIVARAMU K N	103	503788	F	UPENDRA ROY, B P, DR	171	215703	M	BHATEJA, KARAN	239	503931	M	MEIVEL S, DR
38	135729	F	KHAMBETE, MADHURI BHUSHAN, DR	104	503789	F	SEKAR R	172	503808	M	KULKARNI, KOUSTUBH	240	503932	M	SAVALKAR, PRADEEP
39	139963	F	DHAKED, DINESH CHAND	105	503790	F	VEENA KUMARI H M	173	503809	M	BRINDHA P	241	503959	M	VINITA, DR
40	148984	F	PATEL, PRABHU	106	503791	F	THARA D K, DR	174	503810	M	GAWANDE, PRACHI	242	503960	M	PATANKAR, MILIND S
41	149770	F	GANAPATHY REDDY, C	107	503792	F	BAJANTRI, MALTESH	175	503811	M	GOWTHAMI NEKKANTI	243	503961	M	RUBY ANNETTE J, DR
42	150316	F	MEHER, SAROJ KUMAR, DR	108	503793	F	BALAJI, CHETAN	176	503812	M	LAVANYA N	244	503962	M	MUKHERJEE, ARNAB
43	177626	F	TIWARI, MANISH, DR	109	503794	F	SURESH G S	177	503813	M	RANA, GOUTAM, DR	245	503963	M	SWATHI A V S, DR
44	177647	F	VOLETY, UMA	110	503795	F	HARISH T A	178	503814	M	MAHENDRAN N, DR				
45	190642	F	PALIWAL, KRISHAN KUMAR, DR	111	503796	F	ANIL KUMAR G, DR	179	503815	M	MURUGAN A, DR				
46	191923	F	KISHORE KUMAR T, DR	112	503797	F	RADHA B N	180	503816	M	KAVITHA A, DR				
47	191929	F	KUMAR, MANISH, DR	113	503798	F	HARIHAR, SANJEEVA KUMAR	181	503817	M	SIVANANDAM K, DR				
48	192160	F	DIXIT, SAURABH, DR	114	503799	F	TEJASWINI S	182	503818	M	SRIDEVI A, DR				
49	192566	F	KUMAR, MANISH	115	503800	F	HARSHA G	183	503819	M	MARISELVAM V, DR				
50	198436	F	WILLIAM CHRISTOPHER I, DR	116	503801	F	SWAMY, NIRUPAMA N	184	503820	M	DINESH E, DR				
51	203219	F	KUMAR, SUSHIL	117	503802	F	NOOR AFZA	185	503821	M	SIVAGURUNATHAN P T				
52	209746	F	VAMSIDHAR A, DR	118	503803	F	KULKARNI, GIRIDHAR S, DR	186	503822	M	MOHANRAJ S				
53	211936	F	KUMAR, SARAVANA C, DR	119	503804	F	PREETHY A	187	503823	M	NANDA GOPAL C, DR				
54	215182	F	PADMAJA N, DR	120	503805	F	NAVEEN KUMAR G	188	503824	M	K KARTHIKEYAN, DR				
55	217112	F	BANTU, SARITHA	121	503806	F	SABITHA N	189	503825	M	SIVARANJANI S				
56	223267	F	DHARWADKAR S N	122	503807	F	KANNAN, SURESH	190	503826	M	YUVARANI P				
57	225120	F	PALANIVEL RAJAN S, DR	123	503843	F	PRADEEP N R	191	503827	M	SAKTHI P				
58	229910	F	JEYAPRABHA T J, DR	124	503844	F	BHARDWAJ, RAMAKANT, DR	192	503828	M	RAJENDRAKUMAR M G				
59	231964	F	ANSHAD A S, DR	125	503845	F	PATIL, SHASHIKALA P, DR	193	503829	M	SHANMUGAVADIVEL G, DR				
60	234445	F	DEEPA T, DR	126	503846	F	VANITHA V	194	503830	M	SANMUGAVALLI P				
61	236697	F	RATHORE, ANIL SINGH	127	503847	F	SATHIYAKEERTHI M	195	503831	M	SIVA KUMAR T				
62	236787	F	KANNADHASAN S, DR	128	503848	F	VUJAYAKUMAR S, DR	196	503832	M	RAMAKRISHNAN P				
63	500085	F	SARKAR, SWAGATA, DR	129	503849	F	KUMAR, RAJAN, DR	197	503833	M	ABIRAMI T				
64	501493	F	BISWAS, BALAKA, DR	130	503897	F	NOVA, KANNAN	198	503834	M	SHEIKDAVOOD K				
65	501507	F	GUPTA, SAPTARSHI, DR	131	503898	F	CHANDRASEKHAR P, DR	199	503835	M	JEYAKUMAR P, DR				
66	501683	F	HIMA BINDU V, DR	132	503899	F	SAHA, SRIPARNA, DR	200	503836	M	VIMALNATH S, DR				
				133	503900	F	MAHAPATRA, SUBHASISH, DR	201	503837	M	ARUNPRATHAP S				
				134	503901	F	SHARMA, SANDEEP, COL	202	503838	M	SENTHIL KUMAR N, DR				
												246	G00650	ORG	SRI VENKATESWARA COLLEGE OF ENGINEERING
												247	G00651	ORG	KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES
												248	G00652	ORG	BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN
												249	G00653	ORG	LINGARAJ APPA ENGINEERING COLLEGE
												250	G00654	ORG	BAPATLA WOMEN'S ENGINEERING COLLEGE
												251	G00655	ORG	MALINEMI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE
												252	G00656	ORG	VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN
												253	G00657	ORG	DATTA MEGHE INSTITUTE OF HIGHER EDUCATION & RESEARCH(FACULTY)
												254	G00658	ORG	VEERAPPA NISTY ENGINEERING COLLEGE
												255	G00659	ORG	RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS
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AM = Associate Member

F = Fellow

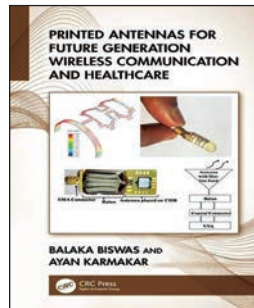
M= Member

ORG = Organizational Member

## Awards & Achievements

**Prof (Dr) Atul M Gonsai (F-201885)** Chairman, IETE Rajkot Centre, had two patents registered and approved by the Patent Office authorities of the Government of India. (1) Implementation and Evaluation of Emaes-A Hybrid Encryption Algorithm for Sharing Multimedia Files With ore Secrutiy and Speed; published in Indian Patent Office Journal on June 16, 2023. (2) CRB Algorithm for Audio Encryption; published in Indian Patent Office Journal on June 16, 2023.

**Dr Balaka Biswas (F-501493)**, Associate Professor of Chandigarh University and **Dr Ayan Karmakar (F-236530)**, Sr Scientist of SCL, Chandigarh from IETE Chandigarh subsection recently authored the book titled, *“Printed Antenna for Future Wireless Communication and Healthcare”* from CRC Press (May, 2023), Boca Raton. Link: <https://books.google.co.in/books?id=euS1EAAAQBAJ&lr=&sitesec=reviews>



This book focuses on the design and development of printed antennas along with modelling aspects for multifaceted applications. It further investigates imperfections in the manufacturing processes and assembly operation during the characterization of printed antennas. It will serve as an ideal reference text for senior undergraduate, graduate students, and academic researchers in fields including electrical engineering, electronics, communications engineering, and computer engineering.

**Dr Kishan Kumar (F-502324)** is now listed in the top 2% of scientists in the world, according to a list released by Stanford University and Elsevier. The selection was based on the top 100,000 scientists by c-score or a percentile rank of 2% or above in the sub-field.

**Dr Sanjeevi Kumar Padmanaban (F- 501049)**, listed in global top 2% scientists for 2023 by Stanford University, USA and Elsevier, is also included in the new ranking released by Department of Electrical Engineering, IT and Cybernetics, University of South-Eastern Norway from 2019 to 2023.

**Dr Ch Rupa** is listed in global top 2% scientists for 2023 by Stanford University, USA and Elsevier.

## IETE Best Paper Awardees-2023

AWARDS	AWARDEES
IETE SK Mitra Memorial Award- The best research oriented paper (Jointly)	<i>A Novel Co Planar Five Input Majority Gate Design in Quantum-Dot Cellular Automata</i> by <b>Animesh Srivastava and Rajeevan Chandel</b> , published in July-August 2022 issue of <i>IETE Technical Review</i> , Vol 39, No 4, pp 850-864.
	<i>Model Order Reduction of LTI Interval Systems Using Differentiation Method Based on Kharitonov's Theorem</i> by <b>Sudharsana Rao Potturu and Rajendra Prasad</b> , published in May-June 2022 issue of <i>IETE Journal of Research</i> , Vol. 68, No 3, pp 2079-2095.
IETE J C Bose Memorial Award- The best engineering oriented paper (Jointly)	<i>Sliding Window Based Support Vector Machine System for Classification of Breast Cancer Using Histopathological Microscopic Images</i> by <b>Amin Alqudah and Ali Mohammad Alqudah</b> , published in Jan-Feb 2022 issue of <i>IETE Journal of Research</i> , Vol 68, No 1, pp 59-67
	<i>Design of a Monolithic Inductor and its Influence on the Oscillator Design</i> by <b>Atul Thakur and Shouri Chatterjee</b> , published in May-June 2022 issue of <i>IETE Journal of Research</i> , Vol 68, No 3, pp 2238-2245
IETE M N Saha Memorial Award- The best application oriented paper	<i>An Automated Algorithm to Extract Time Plane Features from the PPG Signal and its Derivatives for Personal Health Monitoring Application</i> by <b>Abhishek Chakraborty, Deboleena Sadhukhan &amp; Madhuchhanda Mitra</b> , published in Jan-Feb 2022 issue of <i>IETE Journal of Research</i> , Vol 68 No1, pp 379-391.
IETE K S Krishnan Memorial Award- The best system oriented paper (Jointly)	<i>Classification of Complete Myocardial Infarction Using Rule-Based Rough Set Method and Rough Set Explorer System</i> by <b>B. Halder, S. Mitra &amp; M. Mitra</b> , published in Jan-Feb 2022 issue of <i>IETE Journal of Research</i> , Vol 68, No 1, pp 85-95
	<i>Analytical Modelling of Terahertz Photomixing Antennas</i> by <b>Mrinmoy Bharadwaj, Jitendra Prajapati and Ratnajit Bhattacharjee</b> , published in Mar-Apr 2022 issue of <i>IETE Journal of Research</i> , Vol 68, No 2, pp 1394-1405
IETE CDIL Award for Industry- The best paper contributed by authors working in Industry	<i>A New Design and Analysis of Power Saving for IoT Gateway</i> by <b>Jisi Chandroth, Navrati Saxena, Abhishek Roy and Eshita Rastogi</b> , published in May-June, 2022 issue of <i>IETE Technical Review</i> , Vol 39, No 3, pp 577-585.
IETE Gowri Memorial Award- The best paper on topic of general Interest (Jointly)	<i>Tools and Technologies for Blind and Visually Impaired Navigation Support: A Review</i> by <b>Bineeth Kuriakose, Raju Shrestha and Frode Eika Sandnes</b> , published in Jan-Feb 2022 issue of <i>IETE Technical Review</i> Vol 39, No 1, pp3-18
	<i>A Correlative Investigation of Impedance Source Networks : A Comprehensive Review</i> by <b>Reddiprasad Reddivari and Debashisha Jena</b> , published in May-June 2022 issue of <i>IETE Technical Review</i> Vol 39, No 3, pp 506-539
TWO Students' Journal Award- Two best papers from IETE Journal of Education	<i>Interference Cancellation in Wireless Communications: Past, Present, and Future</i> by <b>S. M. Zafaruddin and Pranay Bhardwaj</b> , published in IETE Jan-June, 2022 issue of <i>IETE Journal of Education</i> , Vol 63, No 1, pp 5-13
	<i>MATLAB Simulation of Circle Diagram in Three Phase Induction Motor</i> by <b>Suchismita Ghosh</b> , published in Jul-Dec 2022 issue of <i>IETE Journal of Education</i> , Vol 63, No 2, pp 63-77

**Congratulations to all Winners**

## IETE Main Awardees-2023

- **IETE - Ram Lal Wadhwa Award-2023**  
**Awardee:** Prof M N Srikanta Swamy, Concordia University, Montreal, Canada
- **IETE- Hari Ramji Toshniwal Award-2023**  
**Awardee:** Dr Ashutosh Kedar, (LRDE), DRDO, Bangalore, Karnataka
- **IETE – Bimal Bose Award-2023**  
**Awardee:** Dr Sanjeevikumar Padmanaban, University of South-Eastern Norway, Porsgrunn, Norway
- **IETE - Lal C Verma Award-2023**  
**Joint Awardees:** Prof Shweta Srivastava, Jaypee Institute of Information Technology, Noida, UP & Shri Sushil Manohar Samvatsar, Director, Ace Techno Services, Aurangabad, Maharashtra
- **IETE - IRSI (83) Main Awards-2023**  
**Awardee:** Dr Vengadarajan A, LRDE (DRDO) Bangalore
- **IETE - IRSI (83) Young Scientist Awards-2023**  
**Awardee:** Dr Anirban Sarkar, IIT, Mandi, HP  
Shri Malwinder Singh, BEL, Bangalore  
Shri Talur Chanakya, MTR&DC (DRDO) Bangalore
- **IETE - Flt Lt Tanmaya Singh Dandass Memorial Award-2023**  
**Awardee:** Shri Iqsaam UL Mukhtar, Aeronautical Development Establishment (ADE), DRDO, Bangalore, Karnataka
- **IETE - Prof K Sreenivasan Memorial Award-2023**  
**Awardee:** Prof Chandra Sekhar Paidimarry, University College of Engineering (A), Osmania University, Hyderabad, Telangana
- **IETE - Prof SVC Aiya Memorial Award-2023**  
**Awardee:** Prof Satyabrata Jit, IIT(BHU) Varanasi, UP
- **IETE - Prof S N Mitra Memorial Award-2023**  
**Awardee:** Shri Shyam Narayan Singh, Sansad TV, New Delhi
- **IETE-Bapuseetharam Award (Biennial)-2023**  
**Awardees:** Prof Udit Narayan Pal, CSIR-CEERI, Pilani, Rajasthan & Dr Balwinder Raj, NIT Jalandhar, Punjab
- **IETE - B V Baliga Memorial Award-2023**  
**Awardee:** Shri Pradeep Soni (SAC), ISRO, Ahmedabad, Gujarat
- **IETE-NV Gadadhar Memorial Award-2023**  
**Awardee:** Dr Sandeep Joshi, BITS Pilani, Rajasthan
- **IETE - B R Batra Memorial Award-2023**  
**Awardee:** Dr Ravindra Digambar Kharadkar, GH Raison College of Engineering and Management, Pune, Maharashtra
- **IETE - R S Khandpur Award-2023**  
**Awardee:** Dr Yarlagadda Padma Shayi, Vignana Jyoti Institute of Engineering and Technology, Hyderabad, Telangana
- **IETE – Brig M L Anand Award-2023**  
**Awardee:** Prof S S Sherekar, SGB, Amravati University, Amravati, Maharashtra
- **IETE - Biman Behari Sen Memorial Award-2023**  
**Awardee:** Shri Venkat Subramanian Arumuga Perumal, Envision Digital International Pte Ltd, Singapore
- **IETE-Life Time Achievements Award-2023**  
**Awardees:** Prof Shibhan K Koul, Emeritus Professor, IIT Delhi and Dr Y A Kawade, Aurangabad
- **IETE- Smt Manorama Rathore Memorial Award-2023**  
**Awardee:** Dr S Arivazhagan, Mepco Schlenk Engineering College, Sivakasi, Tamilnadu
- **IETE-Smt Ranjana Pal Memorial Award-2023**  
**Awardees:** Shri Amit Tiwari, BEL Ghaziabad, UP & Dr Gaurav Mittal, DEAL, DRDO, Dehradun, Uttarakhand
- **IETE-Smt Triveni Devi Gupta Memorial Award-2023**  
**Awardee:** Dr Lakshmi B Patil, Sharnbasva University Kalaburagi, Karnataka
- **IETE-Technomedia Award for Young Women in Engineering-2023**  
**Awardee:** Dr Ch Rupa, VR Siddhartha Engineering College, Vijayawada, AP
- **IETE-Shri Devi Singh Tyagi Memorial Award-2023**  
**Awardee:** Lt Col Gulshan Mehta, Indian Army, Simulator Development Division, Secunderabad, Telangana
- **IETE-Shri P P Malhotra Memorial Award-2023**  
**Awardee:** Kongu Engineering College, Erode, Tamilnadu
- **IETE- Dr Sudhakar Rao Award-2023**  
**Awardee:** Shri Sanjeev Kulshrestha, Scientist-G, SAC Ahmedabad, Gujarat
- **IETE – Sri C Viswanatha Reddy Memorial Award-2023**  
**Awardee:** Dr Hemant Kumar, NIT Tiruchirappalli
- **IETE – Smt C Ranganayakamma Memorial Award-2023**  
**Awardee:** Dr Priyansha Kaurav, University of Wuppertal, Germany
- **IETE- Yasodamma and Sarasavani Award-2023**  
**Awardee:** Dr Basavaraj S Mathapati, Sharnbasva University, Kalaburagi, Karnataka
- **IETE - Suruchi-Suresh Dutta Roy Memorial Award (Biennial)-2023**  
**Awardee:** NONE

## IETE Corporate Awardees-2023

- A. **IETE–Corporate Award for Performance in Computer & Telecommunication Systems(LE)-2023**  
**Awardee:** Centre for Development of Telematics (C-DoT), New Delhi
- IETE–Corporate Award for Performance in Computer & Telecommunication Systems (MSME) -2023**  
**Awardee:** Infinity Labs Ltd, Noida, UP
- B. **IETE-Corporate Award for Performance in Development of Software(LE)-2023**  
**Awardee:** NONE
- IETE-Corporate Award for Performance in Development of Software (MSME)-2023**  
**Awardee:** Netcomm Labs Pvt Ltd, Noida, UP
- C. **IETE-Corporate Award for Performance in Electronic Components (LE) - 2023**  
**Awardee:** M/s Semiconductor Technology and Applied Research Centre (STARC), Bangalore, Karnataka
- IETE-Corporate Award for Performance in Electronic Components (MSME) -2023**  
**Awardee:** M/s Rivot Motors India Private Limited, Belagavi, Karnataka
- D. **IETE Corporate Award for Performance in Electronic Instruments and Instrumentation (LE)-2023**  
**Awardee:** NIL
- IETE Corporate Award for Performance in Electronic Instruments and Instrumentation (MSME)-2023**  
**Awardee:** Anshuman Tech Pvt Ltd, Pune, Maharashtra.

## IETE Academic Awardees-2023

- **IETE-Smt Radhabai Kapre Award Awardee-** Ganta Philemon Matthews, Hyderabad

### Highlights of 66<sup>th</sup> IETE Annual Convention 2023 (at Pune)



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