From President's Desk

Dear Members,

Wishing a joyous new year to our entire fraternity, I would also like to extend my deepest appreciation to our team for their steadfast confidence and support of the IETE.

I assumed the position of President of the Institution after Prof (Dr) V Gunashekhar Reddy at the Annual IETE Convention in Pune last September. I sincerely express my respect and embrace the responsibilities with a profound sense of pride. Members' assistance has been indispensable in accomplishing and will continue to be crucial in all the achievements we have made and will make during this exceptional Platinum Jubilee year.

The September-December 2023 issue of IETE Newsletter encompasses a wide range of activities, including events from our headquarters, Centers, PACs, and ISFs. The unbounded enthusiasm of the stakeholders for furthering the goals and objectives of this professional organization emphasizes the significance of this publication.

The 66th Annual IETE Convention on the theme "The Role of 5G in Enabling Digital Transformation for Rural Upliftment" was held in Pune during 15–17 Sept 2023, with the help and support of Prof R R Deshmukh, Zonal Mentor West, and Vice President and TPPC Chairman, Dr D S Bormane, in an effort to keep our members up to date with emerging technologies. Notably, we were fortunate to have Dr Satish Reddy, the former Scientific Advisor to the Indian Government's Raksha Mantri, as an Honorary Fellow Awardee this year; Padmashree Dr Pramod Kale, the former Director of ISRO, as Guests of Honour; and Dr Shiban K Koul, the Editor-in-Chief, IETE Journal of Research and renowned Educationist, Dr Y A Kawade, as Lifetime Achievement Awardees. The participating audience were completely captivated by the renowned luminaries who presented the 55th Bhabha Memorial Lecture- the veteran G S Mani and the 46th Ram Lal Wadhwa Lecture - Prof MNS Swamy of Concordia University, Canada. The occasion additionally witnessed the bestowal of IETE Awards 2023 upon distinguished individuals. The list of the 2023 awardees is published on IETE website in addition to a notice soliciting submissions for the upcoming IETE awards in 2024. The Chairman Pune Centre, Dr V V Shete and his team deserve my sincere appreciation for organising this occasion to an impressive standard.

As is customary, the Centres and Sub-Centres celebrated IETE Foundation Day, Engineer's Day, Science Day, International Women's Day, and IETE Students' Day. The students from the ISF played crucial supporting roles in these events.

I am happy to inform that I attended the meeting of the Advisory Committee of IETE Hyderabad Centre on 4th Nov 2023, where Dr BHVS Narayana Murthy gave the 12th Prof S Narayana Endowment Lecture. The Hyderabad Centre, which has received the accolade for Best Centre for three consecutive years, is celebrating its 50th anniversary since its foundation. The range of its short-term seminars and weekly webinars sets a precedent for others to emulate. On 22nd Nov 2023, I had the privilege of participating in the inaugural event of the IETE Students Forum at Manav Rachna University, Faridabad (NAAC A++ Grade). The event was remarkable since the students had a strong and passionate desire to improve their technical skills. The remarkable enthusiasm and vitality of the Executive Committee was visible at the Mumbai Centre during my visit.

Three 'Sister Society Agreements' were successfully signed with IEEE on 12th December 2023 during MAPCON 2023 at Ahmedabad with the crucial support of Prof Shiban K Koul, EIC *IETE Journal of Research.* This was a significant accomplishment for IETE. The IEEE Antennas and Propagation Society (AP-S), the IEEE Microwave Theory and Techniques Society (MTT-S), and the IEEE Electromagnetic Compatibility Society (EMC-S) have all signed MoUs with IETE containing specific, innovative features that will be of great benefit to IETE professionals. More details can be seen at IETE website. In addition, at MAPCON 2023, IETE had the privilege of exhibiting its publications and other activities and a large number of luminaries visited our stall.

It is encouraging to note that our journals are receiving recognition and achieving impressive progress. I would like to express my sincere appreciation to all members of the editorial team for their focused and determined approach in reviewing a continuously growing number of manuscripts. The growing number of requests to publish IETE Journal of Research Special Supplements is indicative of the journal's significance and widespread international interest.

The IETE HQs and Centers are taking steps to speed up and popularise the membership of the institution. Furthermore, new applicants can avail a Platinum Jubilee Year discount of 25% on Membership subscription fee. Members' knowledge is consistently refreshed and updated through various webinars and lectures on novel topics.

IETE aims to rejuvenate itself through a range of initiatives put forth by more than 15 committees, which operate

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IETE HQs, New Delhi

as guiding force and evolve IETE as a truly professional forum. A significant initiative is underway to evaluate the practicality of establishing a strengthened 'Publications Division'.

Prior to concluding, I wish to express my deepest condolences to the families of the recently deceased esteemed senior members of the Institution, Shri D Rajagopal (Bangalore), Wg Cdr K C Bhardwaj (Delhi), Shri C M Dewani (Rajkot), Dr Shashidhara S Gokhale (Mysore) and Wg Cdr A J Prakash Kumar (an old employee at IETE HQs). This is undoubtedly a great loss to the institution. In the years to come, we will draw motivation from the recollections of their unselfish contribution, as well as from the admiration that we have for them.

Finally, I would like to extend my appreciation to all individuals who contribute to the achievements of IETE, especially those who hold responsibilities in the Governing Council, the Centre Chairs, and the Executive Committee. I aspire for the Institution to be driven towards achieving unprecedented levels of excellence through process driven systems. We must strengthen our interactions with students /members as we recognize the influence of engagement. We must persist in our vigorous exchange of ideas that leads to improved resolutions. We must exemplify professional and respectful behaviour as role models. We really need to push past our preconceived notions of what we are capable of and become lifelong learners.

May this year bring with it lots of joy, success and happiness in everybody's lives.

Prof (Dr) A K Saini
President IETE (2023-24)

News from IETE Headquarters

Institution's 70th Foundation Day celebrated on "Vision of a Developed India: Role of Futuristic Technologies"

The 70th Anniversary of the IETE Foundation was commemorated on 2nd Nov 2023, at IETE HQs, New Delhi with great splendor through an array of comprehensive debates centered around the theme **'Vision of a Developed India: Role of Futuristic Technologies'**. The distinguished guests on the dais were: **Prof M Jagadesh Kumar,** Chairman University Grants Commission(UGC), as the Chief Guest; **Prof A K Saini**, President IETE; **Dr Abhilasha Gaur**, Chief Operating Officer, Electronics Sector Skills Council of India(ESSCI); **Shri Arvind Kumar,** Director General, Software Technology Parks of India (STPI); **Ms Shweta Berry,** Head of Strategic Alliances - Industry & Academia, Marcom,Sales and CSR Divisions, Aeris Communications India; D**r R S Shinde,** Outstanding Scientist (R),Raja Ramanna Centre for Advance Technology (RRCAT) Indore; **Prof (Dr) A P Thakare,** Chairman, Technical Programmes Committee(TPPC) and **Gp Capt Sonpal Singh (Retd),** Secretary General IETE.

The event commenced with the ceremonial lighting of the inaugural lamp, which was then proceeded by a welcoming address delivered by **Prof (Dr) A P Thakare**, Chairman, TPPC. During his address, he conveyed genuine appreciation for the foresight of prominent individuals who convened on this very day in 1953 to establish the nation's professional organization, dedicated to the dissemination of knowledge in the fields of electronics and related disciplines. The speaker provided an overview of the primary undertakings of the organization. According to his statement, the prompt execution of policies has played a crucial role in shaping India's current state. The speaker highlighted the recent accomplishments of India, with particular emphasis on the Chandrayaan mission. The progression of mobile technology, specifically from 1G to 2G to 3G to 4G, spanned several decades. However, the transition from 4G to 5G occurred within a very short period of approximately two years. Professionals seeking to stay current in the face of rapid technological advancements often participate IETE's prominent events, such as the Annual Technical Convention and Midterm Symposium, as well as zonal seminars and workshops conducted at various Centers and Sub-Centers. He stated that despite the advancements made, there are

still unresolved difficulties in rural areas. It is imperative to consider the potential drawbacks associated with emerging technologies.

Prof (Dr) A K Saini, the 46th President of IETE, elucidated the eventful seventy-year journey that has culminated in the present-day ability of the organization to capitalize on India's ongoing digital revolution. He noted that the IETE, which had 1.25 lakh members distributed among 63 centers, sub-centers, ISFs, and PACs, was confidently advancing. Utilizing expertise in emerging technologies such as robotics, artificial intelligence, machine learning, and semiconductor chips, organization's mission should be to develop competitiveness and meet challenges; in order to assist members in avoiding obsolescence, they receive invaluable exposure at events and in publications. He stated that IETE is considering implementing social and skill development initiatives in the near future. In order to more effectively serve members in the future, IETE is developing strategies based on lessons learned in the past. IETE benefits from the supportive measures implemented by the government, such as 'Digital Inclusivity', which propel the organization to the vanguard of knowledge and expertise, encourage innovation, and enhance proficiency in cutting-edge technologies. At present, an abundance of information is readily accessible. Amidst a series of rapid advancements, India is positioned to establish itself as a genuine global authority. India will gain an advantage from new technologies, and it will undoubtedly determine the future of the globe. IETE is prepared to reflect on the past and devise strategies for the future.

During his enlightening address, Chairman UGC, Chief Guest **Prof M Jagadesh Kumar**, commended IETE for serving as a Productive Collaborator in the Government of India's endeavor to transform India into a developed nation by 2047, in line with global technological advancements. He reflected on three significant concerns that surfaced from the consensus reached at the G20 Summit: the inequitable distribution of economic growth, the multifaceted challenges that individuals face, and climate change. The current phenomena of increasing pollution, desertification, and deforestation imperil the very existence of humanity by causing a rise in the average global temperature.

The lack of opportunities for women to realize their complete capabilities was something he lamented. Although power, water, education, healthcare, and transportation are often taken for granted in urban areas, it is worth noting that 65 percent of India's population lives in villages, where grassroots development is severely lacking, if not nonexistent. We must establish diverse economic opportunities in rural areas, where enormous "Social Capital" flourishes to surmount daily obstacles, in order to achieve sustainable economic development. Highlighting India's accomplishments such as establishing higher education campuses overseas, supporting innovative startups and venture capitalists, undertaking audacious space missions, and exporting Covid vaccines, he underscored our immense potential. Digital technology advancements currently enable "personalized education." Higher education, in his opinion, should equip students with the "trainability" attribute necessary to confront the challenges that arise as a result of rapid technological progress. In order to fulfil the aspirations of the younger generation, high-quality education on a large scale will increase productivity, which will subsequently increase per capita wealth, stimulate the gross domestic product, and free up more funds for investment in vital sectors such as healthcare and education. Numerous obstacles confronting rural communities may be mitigated, for instance, through the implementation of village-level e-commerce platforms that expose "local crafts" to international clients. Today is the day to make a decision so that the final person in line can benefit from our professional labor. His talk was well appreciated.

The Guest of Honour, **Dr Abhilasha Gaur**, Chief Operating Officer, Electronics Sector Skills Council of India (ESSCI), described how the country's Key Economic Indicators have accelerated over the last three decades, ever since economic liberalization in 1991: the literacy rate increased from 52% in 1991 to 78% in 2023; the per capita income increased from $310 in 1991 to $2,467 in 2023. It is anticipated that India will receive a substantial "demographic dividend" in the forthcoming decades due to the projected economic growth of 366 million young individuals. To date, ESSCI, her organization, has provided training to over 700 districts and 4500 training centers, educating over 1.8 million individuals. Industrial automation, communications & broadcasting, PCB design & manufacturing, semiconductors & components, e-mobility & batteries, security & surveillance, electronic manufacturing, consumer electronics & hardware, solar & LED, AI-enabled Foxbots, robotics, nanomaterials, and so forth are among the many digital domains in which the individual possesses expertise. India is without a doubt positioned to emerge as the "Skill Capital of the World." Present-day youth do not transport cash because they conduct all transactions via mobile devices; in fact, they spend over four hours per day online, on average. Therefore, she advocated for early education in "digital terms"; for instance, rather than "A for Apple," "B for Banana," "C for Camel," and "D for Dog," the toddlers should say "A for AI," "B for Big Data," "C for Cybersecurity," "D for Data Science," and so forth. She disclosed that ESSCI enters the "Olympics for Skills" and is constructing foundational design and testing facilities in Bhiwadi, Rajasthan, for sectors including drones, semiconductors, artificial intelligence, the Internet of Things, and 5G.

The IETE fraternity was commended by the another Guest of Honour, **Shri Arvind Kumar**, Director General of Software Technology Parks of India (STPI), for selecting the theme "Vision of a Developed India: Role of Futuristic Technologies." He meticulously addressed prevalent concerns regarding the nascent technology of "artificial intelligence," namely that it poses an existential threat to humanity or will eliminate employment. He discussed emerging trends in the nation. He stated that start-ups do not operate in the traditional domain, that cutting-edge technologies (AI) originate not only from the metro but also from tier 3 and that he spoke about trends in electronic/semiconductor manufacturing. He elaborated that artificial intelligence (AI) is algorithmic in nature and is utilized to improve outcomes in virtually every sector of human endeavor, including manufacturing, agriculture, education, health, and so forth. What truly matters is that the 'problem statement' must be generated by a human

intellect! AI facilitates a digital revolution in which one begins to consider in a digital manner. Globally, with particular emphasis on the United States and China, substantial advancements are occurring across diverse application domains, encompassing both personal and industrial sectors. In order to propel India to the status of an IT superpower, STPI has established a development center dedicated to artificial intelligence in Mohali, Punjab. STPI fosters innovation through the establishment of 22 domain-specific centers dispersed throughout the nation. Data is abundant in India, and it is noteworthy that 40% of start-ups are establishing themselves in Tier II and Tier III cities, sparking an unseen revolution.

Ms Shweta Berry, Head of Strategic Alliances – Industry & Academia, Marcom, Sales and CSR Divisions, Aeris Communications India, illuminated the gathering with her discourse on the astounding advancements that occur daily on an unprecedented magnitude—one that was inconceivable even five years ago. With the aim of expediting digital transformation, enhancing operational efficiency, and elevating customer satisfaction, Aeris is committed to providing enterprises with cutting-edge IoT products, services, and solutions. Industry 4.0 is being driven by "data," the new goldmine, and the company has diversified from its initial M2M focus. The interconnectivity of billions of devices has introduced both opportunities and challenges, whereas previously devices operated in isolation. "What IoT can do?" is being demonstrated throughout the nation by the proliferation of smart cities. There is on-going research to reduce the carbon footprint of all human endeavors and efforts to eradicate malaria through gene modification. Given the current state of affairs, it is critical to promote technological democratization. In an effort to cultivate gender inclusivity, some companies have announced plans to install creche facilities on their premises.

Keynote Speaker, **Dr R S Shinde,** Outstanding Scientist (Retd) Raja Ramanna Centre for Advance Technology (RRCAT), Indore highlighted often-neglected, but seminal role played by magnetics in various domains. Having got comprehensive training in this field in Japan, he assiduously focused on developing applications, revealing for example, 'soft' magnets developed at RRCAT were used in ISRO's *Chandrayaan* and *Gaganyaan*. Likewise, current R&D is on developing magnetic-batteries for electric vehicles. Super-magnets are being developed for use in renewable energy. He asserted that efficiency of wind turbines, typically ~20% gets improved substantially deploying magnetics. Similarly, RRCAT developed 'rare-earth-free' permanent magnets for permanent magnet (PM) dc motors, used in industry like computer drives, windshield wipers, vacuum cleaners, toys etc. China dominates rare-earth elements; so such a move will be a step in making the country *atamnirbhar*. Audience gasped in wonder on seeing the working models of anti-gravity maglev trains. He explained use of nano-super magnets for miniaturisation and talked of Maglev heart pumps, wireless transformers, Maglev Sky cars etc.

A few senior members from Delhi and the National Capital Region were also felicitated on this day namely **Lt Gen A K Agrawal (Retd),** DFIETE & Past President; **Shri M L Gupta, Prof S S Agrawal,** DFIETE; Dr **Sneh Mohan, Prof H M Gupta, Wg Cdr B S Kohli, Brig Nandan Krishna, Mrs Shail Bala Jain; Dr V R Singh, Wg Cdr N C Sharma; Mr Jagdish Prasad, Air Cmde G P Singh.** However, **Gp Capt P L Rishi** could not attend the event and he was felicitated later in the IETE Hq's. Former IETE employees felicitated were: Shri S K Arora, Shri S D Singh, and Shri Amar Rajani. The event concluded with a vote of thanks from **Gp Capt Sonpal Singh (Retd)**, Secretary General of IETE, and a delicious meal.

Visits of the President IETE

- **MAPCON 2023 (Microwaves, Antennas, and Propagation Conference) at Ahmedabad, December 10-14, 2023**

MAPCON-2023, the IEEE Microwaves, Antennas, and Propagation Conference, was held at Ahmedabad from 10-14 Dec 2023. Through technical sessions, invited talks, workshops, tutorials, special sessions, student design competitions, industry sessions, exhibits, professional meetings, and networking events, it made an outstanding platform for the exchange of cutting-edge research and technologies in the field of antennas and microwaves. With the assistance of **Prof Rajeev Jyoti, FIETE & Co- Chair** MAPCON 2023, and **Prof Shiban K Koul,** EIC, *IETE Journal of Research*, IETE was granted a complimentary kiosk at which to exhibit its journals, books, and other activities. For promotional purposes, pen drives comprising electronic versions of our three journals were distributed to delegates from abroad.

The Memorandum of Understanding was signed by the President of the Institution of Electronics and Telecommunication Engineers (IETE**), Prof A K Saini**, the Secretary General of IETE, **Gp Capt Sonpal Singh (Retd),** and the heads of each of the three IEEE societies: **IEEE Antennas and Propagation Society (AP-S)**, **Microwave Theory and Techniques Society (MTT-S), Electromagnetic Compatibility Society (EMC-S)**. The complete five-page MoUs are available for public access on the Institution's website.These agreements would foster synergy among members of similar professional groups, facilitating productive exchange of ideas related to advancements in these academic fields. In addition, members of IETE will have the privilege of accessing IEEE publications and attending their conferences at members' rates.

- **President's visit to IETE Hyderabad Centre**

The Advisory Committee of IETE, Hyderabad Centre met on 4th Nov 2023 at Nizam Club, Saifabad. The meeting was chaired by **Prof B L Deekshatulu,** DFIETE and attended by **Prof A K Saini**, President IETE, and **Dr Hanuman Chowdhary**, the nonagenarian Past President and Distinguished Fellow of IETE. **Prof Nuli Namassivaya**, Convenor and Chairman, Hyderabad Centre, stated in his opening remarks that, since the last Advisory Committee meeting last year, the Centre has been making consistent progress in fulfilling all its targets through weekly Webinars, Endowment/Memorial lectures as scheduled, short-term workshops, etc., despite a difficult financial situation. The Centre has won the Best Centre Award three times, a rare feat. The Hony Secretary **Shri A K Sangamkar** presented a slide-show on Centre activities. He also highlighted major Centre issues: lack of funds and expiration of Osmania University lease. In his address, **Prof Deekshatulu** praised the Centre's leadership despite many challenges. These challenges are shared by all professional societies, so they should plan their programs together to avoid repetition and better meet student needs. He added that the Advisory Committee can only advise, but the Centre and HQ must implement these advices. **Prof AK Saini**, IETE President, said short-term programs are preferred over diploma/degree programs. For convenience, we should be able to hold such programs at students' colleges/institutes, and IETE and the college can certify them. **Dr Hanuman Chowdhary** advised the Centre to focus on skill development courses for people of limited means using Ministry funds.

The following main suggestions came from the senior members lengthy discussion and brainstorming:

1. It should be easy to extend the lease agreement with OU under current terms and conditions, as it was approved by the then State Assembly and State government. OU authorities should be contacted at the appropriate level to convince them that the premises are fully used for education. (*Prof S Narayana*); 2. Membership drives are crucial for funding. Also, holding technical product exhibitions alongside national seminars and other events can generate revenue for the Centre. (*Prof Lal Kishore, Dr BHVS Narayana Murthy*); 3. Teaching quality in engineering colleges is deteriorating. Practicals are absent. Professional bodies like IETE must create high-quality, relevant, and focused programmes with enough hands-on practice. Once quality is assured, many students will

enroll. Professional bodies can collaborate on such programs. (*Prof Yagna Narayana, Prof Vijaya Lakshmi* – IEEE Chair, *Shri Sukumar,* Ex-MD, ECIL); 4. Academic institution – Industry interaction helps understand job market needs and tailor course curriculum. To achieve this, EC should include academia and industry, not just college teachers. (*Prof S Narayana*); 5. A small committee can be formed to determine the courses available and curriculum design. (*Dr BHVS Narayana Murthy*); 6. We should offer short-term programs to students at their colleges, rather than expecting them to attend IETE. IETE brand will promote such programs among students. (*Prof AK Saini*); 7. IETE may carry out faculty improvement programs to keep up with new technologies. (*Prof P Laxminarayana*); 8. Establish a sub-committee to organize Advisory Committee recommendations, create a roadmap, and monitor progress. This suggestion was made in the last meeting. (*Prof S Narayana*)

❖ **President's visit to IETE Mumbai Centre**

President IETE, **Prof (Dr) A K Saini**, visited the IETE Mumbai Centre on 17th Nov 2023. The members of the IETE Mumbai Executive Committee, special invitees, and other office bearers were among those who welcomed him and with whom he spoke. Centre Chairperson **Dr Smita Loankar** presented **Prof (Dr) A K Saini** with a bouquet of flowers. Special invitee from IETE Mumbai, **Shri S R Aggarwal**, former Secretary General IETE, felicitated him. One of the GC members, **Dr Ashwini Kunte**, presented a token of appreciation to Prof (Dr) A K Saini. He gave his thoughts on a number of topics and shared updates from IETE headquarters during the meeting. He went into detail regarding the condition of the IETE Mumbai Centre building and inquired about the sources of revenue generation. He proposed expanding the membership and the number of ISF members at the Centre. President focussed on the need to evolve a self-sustaining revenue model for each centre via out-of-the box thinking.

❖ **New IETE Student Forum unveiled by President IETE at Manav Rachna University, Faridabad**

A new ISF was inaugurated at the ECE Department of **Manav Rachna University** by the Chief Guest **Professor (Dr) A K Saini**, President of IETE on 22nd Nov 2023. The Dean of Engineering, **Prof (Dr) Goldie Gabrani** extended a cordial welcome to the Chief Guest, who was then introduced by HOD-ECE **Prof (Dr) Charu Pathak**. Concerning the IETE student forum and emerging technologies in electronics and telecommunications, Dr Saini shared his thoughts. He discussed the advantages of the communication and electronics area. In addition, he counseled and inspired pupils concerning the diverse professional opportunities that existed within the realm of electronics and communication, which he shared parallels. In closing the session, the Dean of Academics, **Prof (Dr) Shruti Vashist**, presented a vote of thanks. She inspired pupils to seize the opportunity presented by this IETE student forum and exhibit their talents. The event was attended with tremendous zeal and enthusiasm by every ECE student. Students were issued IETE I-cards and mementos.

29th Sir AJC Bose Memorial Lecture Organized at IETE Kolkata Centre

In honour of Sir AJC Bose's 165th birthday on November 30, 2023, the IETE, Kolkata Centre, hosted the **29th Sir AJC Bose Memorial Lecture**. The IETE HQs, New Delhi and the Kolkata Centre collaborated to organize this event. The keynote address**, "Journey of Wireless Communication and Networking in the Present Era: 5G and Beyond,"** was given by **Prof Iti Saha Misra** of the ETCE Department at Jadavpur University in Kolkata. Her lecture explained that 5G, the fifth-generation technology standard for cellular networks, was deployed worldwide in 2019 by cellular phone companies and is the successor to 4G, which connects most mobile phones. Cellular networks like 5G divide the service area into small geographical areas called cells. Cell base stations and antennae connect all 5G wireless devices to the Internet and telephone network via radio waves. Top download speeds on new networks are 10 gigabits per second. Teachers and students engaged with the speaker in a question-and-answer period following the presentation.

The lecture was enjoyed by over 100 members including past Chairman, senior fellows, EC members, ISF coordinators, and students from various institutes. Three prestigious engineering schools took part in a poster competition. Those posters were presented to mark the occasion by ISF students from MCKV, JIS, and Greater Kolkata College of Engineering and Management. Certificates of participation were distributed to student participants.

Report of 66th Annual IETE Convention-2023

The Role of 5G in Enabling Digital Transformation for Rural Upliftment

The Institution's flagship event, the Annual IETE Convention (AIC)-2023, provides a unique opportunity for the IETE community and the larger engineering community to discuss common challenges and create industry-academia links. The 66th Annual IETE Convention-2023 held at Pune during 15th-17th Sept 2023 was graced by **Dr G Sateesh Reddy**, ex-Scientific Advisor to Rakshmantri, the Honorary Fellow Awardee, and **Padmashree Dr. Pramod Kale, Ex- Director of SAC & VSSC, ISRO**, as Guests of Honour; **Prof (Dr) A K Saini**, President of IETE; **Prof (Dr) V Gunasekhar Reddy**, Immediate Past President; **Dr D S Bormane**, Chairman TPPC; **Prof (Dr) R R Deshmukh**, Zonal Mentor West; **Prof V V Shete**, Chairman IETE Pune Centre and **Gp Capt Sonpal Singh**, IETE Secretary General.

The Ganpati Vandana, performed by students from MIT University Pune, kicked off the program.

Prof Virendra Virbhadra Shete, Chairman of the Pune Centre, welcomed the guests and informed them that the Centre had received a significant number of submissions in response to the Call for Papers. He further added that out of these submissions, only 40 papers that successfully passed a plagiarism test were selected for presentation during the technical sessions.

In his talk, **Dr D S Bormane**, Vice President and TPPC Chairman, highlighted the need of developing long-term technological solutions for sustainable agriculture, better health care, and access to top-notch education, among other issues, in order to enhance the living conditions of rural residents. **Prof V Gunasekhar Reddy** expressed his satisfaction with the numerous high-quality events focused on advanced technologies that were organized at HQ and Centres. He also acknowledged the valuable contributions made by ISFs and PACs. He asserted that communication is the fundamental support system of any society, and its rapid progression over the years has significantly influenced the lives of all individuals. He was o the view that the advent of 5G technology heralds a new era of communication with the potential to transform infrastructure and unlock unparalleled prospects. He expressed gratitude to the Governing Council, Centre Chairs, ExeCom and HQ Secretariat for their contributions to IETE's achievements.

Dr G Satheesh Reddy, a former Scientific Advisor to the Minister of Defense, provided insights on how 5G technology could expedite the digital transformation process to enhance the development of rural areas. He engaged in a conversation with the audience about the avenues for promoting self-sufficiency through leading research institutions in the country. He stated that the Prime Minister's call for self-reliant India energized the manufacturing sector, especially the Information and Communications technologies, during the three-day Convention. The event was attended by a diverse group of IETE's corporate members, influential businessmen, academics, and engineering scholars from across the country. He observed that in the past, basic products like routers, servers, and switches were brought in from other countries. However, thanks to the innovative leadership of the Prime Minister, the situation has transformed, leading to the attraction of multinational corporations such as Apple, Intel, and Samsung to invest. The effort relies heavily on information and communication technology, and IETE

can have a significant impact in this area due to its nationwide presence of distinguished engineers and scientists from diverse fields of expertise.

The prestigious **IETE Distinguished Fellowship** was awarded to two individuals this year**: Shri Ramesh Gorantala** (DF036796L) and **Shri P S Sundaram** (DF068730). The recipients of this year's **IETE Lifetime Achievement Award** were **Dr Shiban Koul**, Emeritus Professor of IIT Delhi and the EIC of the **IETE Journal of Research** and **Dr Y A Kawade**, President of the G S Mandal Group of Institutes. IETe also honoured the long serving retiring Governing Council Member **Prof (Dr) J W Bakal**. The accolade was bestowed upon them during the inaugural session. **IETE Hyderabad Centre** (first place) and **IETE Chennai Centre** (second place) were each presented with the Best Centre Award 2022-23.

Prof (Dr) V Gunasekhar Reddy passed on the baton of President to **Prof (Dr) A K Saini**, senior professor and former Dean of Management at Guru Gobind Singh Indraprastha University, also known as the IP University of Delhi Government. Prof Saini outlined his vision of taking the Institute to achieve growth and serve the professional community better.

The chief guest and other dignitaries unveiled the 66th AIC Souvenir. It contained messages from dignitaries, **Hon'ble C D Patil**, Minster for Higher and Technical Education, Govt of Maharashtra, **Shri Apurva Chandra**, Secretary, Ministry of Information and Broadcasting, GOI, **Prof T G Sitharam**, Chairman, AICTE, **Air Marshal V Rajasekhar**, DG (Systems), IAF, **Dr G Sateesh Reddy**, President, The Aeronautical Society of India, and others.

During the presentation of a **Commemorative Album** documenting her tenure with IETE and her service in the Governing Council, senior fellow member **Prof (Ms) Anita Dandekar, a technocrat cum philanthropist,** expressed gratitude to the organization for providing her with the opportunity to serve the community in her diverse roles.

55th Bhabha Memorial Lecture was delivered by distinguished luminary, **Prof G S Mani**. This inaugural session ended with vote of thanks by Gp Capt Sonpal Singh (Retd) Secretary General IETE.

Prof M N Srikanta Swamy, Concordia University, Canada delivered the **46th Ram Lal Wadhwa Lecture,** on the topic, "**Deep Learning Techniques for Image Super Resolution."** He lucidly explained the phenomenon of Deep Learning Techniques for image super resolution, having applications in medical imaging, intelligent transportation systems and space explorations. The technique based on deep learning provides super-resolved images, whose quality is significantly higher than those produced by the classical schemes.

The Awards Ceremony segment witnessed the jubilant recipients being presented with their medals and awards. Not only were the recipients ecstatic to receive the awards in recognition of their diligent efforts, but the IETE, and the institutor that established those honors, was also filled with pride.

The Souvenir contained Abstracts of 40 papers accepted for presentation, in three **Technical Sessions** spread over nine tracks labeled as AGT, AOT, DQABD, DI, DSI, IOT, RH, T5G and AIML.

On the second day, prior to Technical Session III, **Dr R Venki Venkatshwaran**, second senior vice president at Persistent Systems-Washington State University in Pune, Maharashtra, delivered the valedictory address at the AIC. He addressed the technological advancements that enable digital transformation with the aim of improving conditions in rural communities. The paper presentations scheduled for the day then ensued.

The program achieved tremendous success with the assistance of the IETE Pune Centre. Appreciation to the Chairman of the Centre and his staff for effectively coordinating and concluding the program.

News from IETE Centres /Sub- Centres

AHMEDABAD

In line with Digital India activities, the IETE Ahmedabad Centre held a **Women's Empowerment Program** on 5th August 2023, at the Centre, with the goal of protecting people's use of the internet. Women attended a "**Securing Your Digital World"** expert lecture. Invited visitors and about 30 corporate members with spouses attended. **Smt Smriti Dagur**, Past President IETE, expert speaker **Preeti Agrawal**, Fellow & LEC member of IETE Ahmedabad Centre, Chairman **Dr D J Shah**, and Hony Secretary **Shri R J Ajwaliya** addressed the program. IETE Ahmedabad Chairman Dr Dharmesh J Shah in his welcome speech briefed about IETE's activities and presented the program's goal by describing digital

world's simplicity and risk. He gave some basic things to remember, protect others, and decrease risk when possible. **Smt Smriti Dagur**, Past President IETE, made a motivating message to the program attendees and praised the IETE for community-centric digital transformation activities. Such program raises community awareness and protects privacy. The LEC invited **Smt Preeti Agrawal** (Fellow & LEC member of IETE Ahmedabad Centre) to speak on **"Securing Your Digital World"**. The expert explained cyber security, why it's vital, and how to avoid cyber risks with interactive examples. Hall was packed of all-ages audience with lots of subject curiosity. An IETE memento was awarded to speaker Smt Preeti Agrawal by Smt Smriti Dagur. Shri R J Ajwaliya, Hony

Secretary IETE Ahmedabad, gave the vote of thanks. Prof Ruchi Gajjar, Nirma University and IETE Ahmedabad LEC member, organized and led the program. Participants had high tea following the program.

ALIGARH

- IETE Aligarh Centre held a **National Seminar** on the topic, 'Responsible AI and Sustainable Development' on 26 Aug 2023. **Dr A Samad**, Hony Secretary, was the Organizing Secretary and delivered an address during inaugural session giving an overview of the different sessions of the seminar and about the activities of Centre at AMU. **Shri Tehzeeb A Abbasi**, Hony Treasurer, proposed the vote of thanks. There were seventy-five attendees.

- **Distinguished Professor Mahfoozur Rehman**, FIETE, served as the **70th IETE Foundation Day** Chief Guest on 2nd Nov 2023. **Prof Naushad**, EE Dept, AMU, Aligarh, spoke on the topic of "Vision of a Developed India: Role of Futuristic Technologies." He went into detail about how to promote the digital economy and fintech sustainably, as well as how technology can help with energy transition, technical advancement in agriculture, and climate action. He identified the need for green growth, inclusive development, supportable growth in the financial sector, youth power utilization,

and growth in infrastructure and investment. **Dr A Samad**, Hony Secretary conducted the programme. He delivered an overview of the Foundation Day and also read the President's message. The event was graced by **Prof Ekram Khan** (Chairman, Department of Electronics Engg, AMU) **Prof Izharuddin** (Chairman, Department of Computer Engg, AMU), **Dr Atiqur Rahman, Dr Tahira Parveen, Javid Siddqui** (Professors, Department of Electronics Engg, AMU).

A shawl and a souvenir were presented to Prof Mahfoozur Rehman, Senior F IETE and Prof (Retd), Dept of Electronics Engineering, AMU, on this momentous occasion. The vote of thanks was proposed by Hony Treasurer Shri Tahzeeb A Abbasi.

ALLAHABAD

- **Engineers' Day** was celebrated in IETE Allahabad Centre seminar hall on 15th Sept 2023. On the dais were **Prof Y P Gupta, Prof K K Bhutani, Dr G S Dabari,** and **Engr P N Gupta**. The Chief Guest on the occasion was **Prof R P Gupta**. Er P N Gupta introduced the chief guest. In his discussion, Prof R P Gupta effectively explained the iron-free bridge building. At this event Dr G S Darbari, Prof K K Bhutani & Er P N Gupta addressed the gathering & later two also discussed Sir Mokshagundam Vishweshvaraya. The gathering included Er Rajeev Srivastava, Er Devesh Mishra, and a research scholar and few faculty members from the J K Institute of Applied Physics and Technology, University of Allahabad. Vote of thanks was proposed by Er P N Gupta.

- **70th Foundation Day** was celebrated on 2nd Nov 2023, at ECE Dept, J K Institute of Applied Physics & Technology, University of Allahabad. **Prof R S Yadav,** Chairman welcomed the chief guest, **Prof K K Bhutani,** ex director, UPTEC and read out IETE President's message. **Prof Bhutani**, delivered the lecture on the theme, 'Vision of Developed India: Role of Futuristic Technologies'. **Prof SG Prakash**, Ex Dean, Science Faculty, University of Allahabad, **Prof Rajneesh Kumar Srivastava, Er R N Mishra, Dr Rajesh Kumar** graced the occasion. **Prof R S Yadav** proposed vote of thanks. Many eminent persons from academia, industry besides students attended.

BANGLORE

Following activities were arranged by the Centre in the past months.

- 09-07-2023: IETE Bangalore arranged a corporate training on '**Advanced FPGA Design'** by **Dr Padmanabhan**. 47 applications were received from various industries DRDO, BEL, ISRO, CDAC and Academic Institutions.

- 30-07-2023: **Online Python programming training** for corporates started by IETE Bangalore Centre over the course of 10 weekends. It was **Dr S Pramod** who gave the training. Thirteen applications came in from academic institutions, DRDO labs, and units of M/S Bharat Electronics Limited.

- 01-08-2023: The **Embedded Systems and IoT Applications** course lasted a month. **Dr S G Shivaprasad Yadav** and **MSRIT professors** led it.

- 15-08-2023: **Independence Day** was celebrated at the Centre.

- 19-08-2023: An **AI and ML for Embedded Systems and Internet of Things Applications Internship** lasting one month was initiated for engineering students.

- 20-08-2023: **Dr Geetha**, FIETE, began a 10-week short-term course on **Data Analytics using Python**.

- 24-09-2023: **Dr S G Shivaprasad Yadav**, Hony Secretary, Bangalore Centre commenced a 10-week intensive course on **MATLAB Advanced DSP/Simulink** on 24th Sept 2023. Organizations like BEL, ISRO, DRDO, DGQA, and academia sent delegates.

- 28-29 Sept 2023: IETE Bangalore provided a two-day **E-mobility training session** to the executives of Bharat Electronics Ltd. The instructor was **Shri Govind K P,** Suprajiv Technical and Management Studies (OPC) Pvt Ltd, Bangalore.

CHANDIGARH

The **IETE Foundation Day** celebrations for the Platinum Jubilee Year 70th took place on 2nd Nov 2023, at the Auditorium of the IETE Chandigarh Centre. **"Vision of a Developed India: Role of Futuristic Technologies"** was the topic of this year's Foundation Day presentation. The program began with Saraswati Vandana and continued with the lighting of the inaugural lamp. Attendees at this historic event were IETE Chandigarh Centre Chairman **Dr Amod Kumar**, Guests of Honour **Prof (Wg Cdr) P Prabhakar,** Past President and **Dr Amit Laddi**, as well as members of the Chandigarh Centre's executive committee, the Centre's former chairman, prominent members of the corporate community, and students. The message from the President of the IETE was read out. Emerging technologies will present India with an opportunity to establish itself as a prominent global center for cloud solutions. On the occasion of National

Technology Day, which is being observed for the 25th year, technology remains the core component and brand identity of the digital-first India of today. Owing to its robust workforce of proficient experts and digitally-oriented economy, the nation is positioned to significantly contribute to the worldwide technological revolution and the broader economic landscape. All corporate members and students benefited from the expert presentation "Vision of Developed India: Futuristic Technologies in Healthcare" by **Dr Amit Laddi**, Principal Scientist, CSIR CSIO, and EC Member of IETE Chandigarh Centre. It sparked considerable audience interest in a variety of cutting-edge medical devices, as evidenced by the lengthy question-and-answer segment. **Shri Suresh Chand Jain** (F112489), **Dr MA Shamshi** (F046817), and **Shri AK Ganjoo** (F056808) were the three Senior IETE Fellows who were extended invitations to be honored at the event. Dr. MA Shamshi was unable to attend the event as a result of a prior commitment. During the ceremony, Shri Suresh Chand Jain and Shri AK Ganjoo were honored. In addition to students and IETE Corporate members, over 110 individuals attended the event. Other personalities gracing the occasion were Shri DS Chhabra, EC Member, Dr Umesh K Tiwari, Brig HC Malhotra, Shri Kulvinder Singh, Dr GS Singh, Shri RC Agnihotri, Shri NS Gill, Dr Basudeo Prasad. The formal vote of thanks was presented by Shri Subhash Chander Jain, Immediate Past Centre Chairman.

CHENNAI

The Centre organized the following events:

- On 21st Jul 2023, a webinar titled "**Current Trends in Industry**" was presented by **Shri M Yogees Kumar**, Mentor and Industry Expert based in Chennai.

- On 27th Jul 2023, a webinar titled "**Robot Applications in Warehouse**" was presented by **Shri Manikandan P**, CTO of CodenPlay Robotics.

- A workshop on **Python-Powered Artificial Intelligence and Exploring AI Projects Python**, was presented on 2-3 Aug 2023, by **Mrs R Meena**, Research Scholar at KCG Engineering College.

- Commemorated '**Independence Day**' with EC members at Centre Campus on 15 Aug 2023.

- Organised **"Website Design Contest"** on 6th Sep 2023, in which students were encouraged to showcase their innovative ideas for a website representing the IETE Chennai Centre. The objective of the contest was to pique students' interest in creativity and enable them to comprehend the activities of the Centre.

- Led the conduct of **ELITECCOM-2023**, the 2nd national symposium on Current Developments in Electronics, Information and Technology, Computers, and Information and Communication. On 21st Sep 2023, the Centre extended invitations for technical papers from undergraduates in the following fields: electrical, electronic, telecommunications, computer science, information technology, biomedicine, and other pertinent topics.

- Organized celebrations for **Engineers' Day and Teachers' Day**. **Dr D Vijendra Babu**, Hony Secretary, hailed the attendees and provided

an overview of the proceedings. **Dr S Salivahanan,** Vice Chancellor of Vel Tech Rangarajan, was honoured as the Chief Guest and received the Lifetime Achievement Award 2023. On 29th Sep 2023, **Dr Sagunthala** was honoured by the R&D Institute of Science and Technology in Avadi, Chennai, for her exceptional contribution and notable accomplishments in the realms of academia, research, and leadership. Three faculty members received the Outstanding Faculty Awards 2023 in recognition of their exceptional contributions to research, activities, event organization, and collaboration with the IETE Chennai Centre. The winning teams of the website design competition were awarded certificates and an internship as honours. Teams were awarded a cash prize of Rs.1,000 per team in addition to a certificate of appreciation for their performance at the Technical Symposium. Contributors to ELITECCOM'23 were bestowed with the Exemplary Contribution Award in recognition of their proactive coordination, contributions, extraordinary dedication, and service in all activities conducted at the IETE Chennai Centre. Prof M Arun, EC Member, proposed the vote of thanks.

- The **70th Foundation Day** of IETE was commemorated by the Centre on 2nd Nov 2023, at R M K Engineering College in Kavaraipettai, Tamil Nadu. The event began with the Tamil Thai Vazthu. **Dr T Suresh**, HoD, ECE Dept at RMKEC and Executive Committee Member, greeted the audience and provided an overview of RMKEC's involvement in the activities of the IETE Chennai Centre. Principal **Dr K A Mohamed Junaid** presented a special address emphasizing the significance of professional societies such as IETE and their influence on the advancement of students and society. **Dr Elwin Chandra Monie**, Dean of Research, RMKEC, emphasized the significance of cutting-edge technologies. **Dr D Vijendra Babu**, Hony Secy, IETE Chennai Centre, provided information on the IETE organization and its many undertakings. Furthermore, he elaborated on the innovative endeavours undertaken by IETE Chennai Centre and its recent acknowledgement from IETE New Delhi for achieving the esteemed IETE Best Centre Award (2nd Position) for the period of 2022-2023. He also provided an explanation of the specifics of IETE Journals and IETE Awards**. Dr V Thulasi Bai**, Chairperson, IETE Chennai Centre, delivered a message from the President of IETE. She then proceeded to discuss the upcoming events organized by IETE Chennai Centre and expressed gratitude to the Management, Principal, HoD/ECE, and the entire team of RMKEC, Kavaraipettai for their exceptional organization, coordination, and hospitality in hosting the Platinum Jubilee celebrations of IETE's Foundation Day. Shri N Sridharan, Hony Treasurer, IETE Chennai Centre, introduced the Chief Guest. **Shri T Panneer Selvam**, a highly

ranked scientist and Additional Director of the Combat Vehicles Research & Development Establishment (CVRDE), DRDO, Avadi, Chennai, spoke on the topic of "Vision of a Developed India: Role of Futuristic Technologies" during this year's event. He described the cutting-edge technology utilized in the Arjun Tank and the progression of technologies in DRDO. He elaborated on CVRDE's dedication to the advancement of both manned and unmanned versions of Armoured Fighting Vehicles (AFVs) and combat aircraft line-replaceable units. Furthermore, he stated that CVRDE possesses specialized knowledge in the creation of various systems, including Hull, Turret, Mechanical systems, Engine, Transmission, running Gear systems, Armament systems, Gun control systems, Fire control system, Electrical and Electronic systems (Vetronics), and associated Technologies. He recommended that students contact CVRDE and submit job applications to DRDO. **Prof R Karthikeyan**, an Excomm Member, IETE Chennai Centre, and **Shri Ponmudi,** a Senior IETE Member, along with 225 faculty and students from RMKEC, participated in the event. **Shri M Lokeswaran**, the Chairperson of ISF at RMKEC, proposed the vote of thanks. The programme ended with the national anthem.

DELHI

- **Dr Urvashi Bansal**, Asst Prof, EC Department from Netaji Subhas University of Technology in New Delhi, gave a talk on **Women Empowerment** on 30th Aug 2023. The lecture was conducted in a hybrid manner at the IETE Delhi Centre. More than 30 individuals were present. Dr Bansal emphasized the accomplishments, roles, and duties in promoting the advancement and empowerment of women in various fields such as politics, education, STEM, and others. She elucidated the importance of women empowerment in several government initiatives aimed at women in India. She clarified the position of women in STEM and other professions. She listed the accomplishments, contributions, and roles of Indian women in many disciplines such as medical, STEM, education, space engineering, DRDO, and ISRO.

- **IGNOU TEE June 2023 examination** was conducted during 2 Jun to 7th Jul 2023. Around 17000 student exams have been conducted by IETE Delhi Centre.

GOA

In collaboration with the IETE, Goa Sub-Centre, the Dept ETE at Goa College of Engineering, Farmagudi, organized a workshop on **"PLC and LABVIEW"** on 25th Nov 2023. Associate Professor of Electronics and

Telecommunications at the Goa College of Engineering, **Ms Amita Desai**, planned and led the session. A total of twenty-six III-year GEC students enrolled in the "Electronic Instrumentation & Automation" open elective workshop. A warm greeting to all attendees was extended at the outset of the session. The workshop's morning session covered the following topics: •Virtual Instrumentation using LABVIEW • Data Acquisition using LABVIEW • Interlatch applications using PLC • Interlock, Jogging applications using PLC. Topics covered in the evening session included • PLC Timer applications and • PLC Counter applications. The sessions focused on PLC programming utilizing delta software and included both demonstrations and hands-on practice. The National Instruments (NI) data acquisition card and LabVIEW software were used to program and acquire data. Students were able to put their theoretical knowledge into practice and strengthen their understanding of the material at this session.

HYDERABAD

● A two-day course on **Analog, Digital, and Mixed Signal IC Design Flow with Case Studies Using NG-Spice/LT Spice** was given by Hyderabad Centre on 12–13 Aug 2023. The resource people were **Mrs P Sushma**, Scientist-E, RCI, Hyderabad, and **Shri D Shravan Kumar**, Scientist-E, RCI, Hyderabad. 61 students, EC members, and ISF faculty coordinators participated.

● The IETE Hyderabad Centre held a spectacular celebration on 5th Nov 2023, to mark the occasion of the **12th Prof S Narayana Endowment Lecture** and the **IETE Platinum Jubilee Foundation Day**. The Chief Guest was **Prof A K Saini,** president of IETE. A stellar array of senior IETE members, several GC members, EC members from the Hyderabad Centre, and more than a hundred undergraduates from nearby engineering schools showed up to both events.

While the IETE is commemorating its Platinum Jubilee, the Hyderabad Centre is celebrating its Golden Jubilee, as announced by **Prof Nuli Namassivaya**, who welcomed the dignitaries and audiences. **Shri AK Sangamkar**, Secretary, provided an overview of IETE's history of expansion, focusing on the Hyderabad Centre in particular. The distinguished service of the Hyderabad Centre's founders, including the late Shri Madan Mohan, was recalled by **Prof S Narayana**, Past President (IETE). In his role as Chief Guest, **Prof AK Saini** offered his congratulations to the Hyderabad Centre and the whole IETE family on the occasion of their Golden Jubilee. As he put it, IETE is at a crossroads in its history in this digital age. It is our responsibility to make sure that the opportunities and threats presented by the digital revolution are not overlooked. In order to better serve both working professionals and

aspiring engineers, IETE should reinvent itself by offering short-term courses on developing technology topics. Doing so is the most effective strategy to adapt to new circumstances while still making a positive impact on national growth.

In addition to the incumbent GC members, **Prof Gunasekhar Reddy**, the immediate past president of IETE, also spoke at the event. A few IETE Senior Members were also felicitated at the event.

After a brief tea break, the **12th Prof S Narayana Endowment Lecture** was delivered. Prof Nuli Namassivaya began by remembering the many years of service that Prof S Narayana gave to the Hyderabad Centre and the IETE community at large, which led to the 2019 presentation of the Lifetime Achievement Award to Prof Narayana by IETE. With a touch of nostalgia, he recounted his lengthy history of involvement with IETE and the phenomenal growth of the Hyderabad Centre during his tenure and beyond. **'Futuristic Warfare and Missile Technology'** was the subject of the Endowment Lecture given by **Dr BHVS Narayana Murthy**, a former DG, MSS of the DRDO in Hyderabad. The most recent developments in this area of study, both at DRDO and elsewhere, were detailed by him.

Additionally, the event celebrated the winning ISF coordinators and the institutions that supported them. In the competition for the **Best ISF Co-ordinator Award**, **Mrs B Mamatha**, an instructor at **AVN Institute of Engineering and Technology in Hyderabad**, was honoured with the first-place award. A faculty member of Vasavi College of Engineering named **Dr N Abid Ali Khan** was chosen to receive the Best ISF Co-ordinator Award in second place. The Stanley College of Engineering & Technology for Women (A), Hyderabad faculty **Mrs C V Keerthi Latha** was chosen to place third for the Best ISF Co-ordinator Award. **Vidya Jyothi Institute of Technology, Hyderabad**, secured the top spot as the Best ISF Centre, whereas **G Narayanamma Institute of Technology and Science**, Hyderabad, secured the second position as the Best ISF Center. For the third place, **Chaitanya Bharathi Institute of Technology, Hyderabad** was determined to be the Best ISF Centre.

Amid raucous cheers and ovation from the crowd, the relevant student groups, instructors, and department heads all joined in the congratulations. The Treasurer, Prof Nukala Srinivasa Rao, proposed the vote of thanks.

INDORE

IETE Indore Sub-Centre and EEE Dept, Oriental University, Indore celebrated **Teachers' Day** by organizing a lecture by **Dr T S Rathore**, IIT Bombay and Senior Member of IETE on **Circuit Theorems – Scope and Limitations** on 5 Sep 2023. The event aimed to teach electrical circuit analysis and popularize conventional circuit theorems. Chair **Dr Garima**

Ghai, Former Chair **Dr Dhruva Ghai**, Treasurer **Dr Hemant Patidar**, **Dr Dolly Thankachan, Ms Bhavini Kumawat**, and other IETE and University experts met with students An opening ceremony and flower welcome began the session. Dr T S Rathore opened the expert session by addressing conventional circuit theorem in traditional and new methods. Improved circuit theorems were discussed. Generalized maximum power transfer, true super position theorems, source transformation, and Thevenin/Norton were discussed. One current-to-voltage or voltage-to-current equivalent circuit results from traditional source transformation. Under certain terminal conditions, several current-to-voltage, voltage-to-current, and current-to-current source conversions are possible. Next, Rathore's one-circuit, one-step approach for evaluating Thevenin and Norton equivalent circuit parameters was described, that handles controlled sources. Several unique circuits have intriguing Thevenin equivalents. Circuits without an independent source, loop or node method-based delta as 0, and Thevenin equivalent across a voltage source were cited as examples. Maximum power when load resistance is fixed and other circuit resistance is adjustable was also described. Finally, the true super position theorem was explained. In contrast to standard procedures, regulated sources were processed independently. Applying this theorem simplifies circuit analysis. Former IETE Sub-Centre, Indore Chairman **Dr Dhruva Ghai** appreciated students' work and participation. **Dr Hemant Patidar**, Indore IETE Sub-Centre Hony Treasurer, congratulated everyone. ExeComm Member **Bhavini Kumawat** spoke about IETE and encouraged students to enroll.

JAIPUR

- The Flag hoisting ceremony for **Independence Day** was held on 13th Aug 2023, at the IETE Jaipur Sub-Centre, located at the D-Block Shopping Centre in Malaviya Nagar, Jaipur. Fifteen members attended the event.

- With the Institution of Engineers (India) Rajasthan State Centre, the Sub-Centre observed **Engineers' Day** on 15th Sep 2023.

JAMMU

IETE Jammu Sub-Centre celebrated the **70th IETE Foundation Day** on 7th Nov 2023, with the theme "**Vision of a developed India: Role of futuristic technologies**." **Shri Joy Ganjoo**, Chairman IETE Jammu Sub Centre, welcomed attendees and discussed the day's topic and how it would affect the 'Made in India' movement. He also highlighted the IETE's scheduled events to educate college and university students about electronics and computer technologies. He stated the IETE Platinum Jubilee may be held in March 2024 at the Jammu Sub-Centre. Hony

Secy **Dr Vijay Sharma** presented the President's remarks on Foundation Day. He encouraged all qualified students and professors to join IETE to benefit from India's foremost scientific association. He also advised the university to join an organization, which would benefit it nationally and internationally. The IETE Jammu Sub-Centre honoured **Gp Capt S P Sharma (F-183912) Col C D Manotra (M-014733),** two senior IETE members in J&K. The keynote speaker was **Dr Vishal Sharma**, HoD, Electronics Dept., MAM, College Jammu. He discussed digital, nanotechnology, and "Vision of a developed India: Role of Futuristic Technologies." He outlined its importance and application in its future strategy. Additionally, three MAM college students spoke on the event's theme. The Chief Guest was IQAC MAM College Jammu coordinator **Prof Neeraj Sharma**. He commended the IETE team, thanked them for their student-benefitting projects, and wished them luck in the future. **Er Sameer Sharma**, Vice Chairman, IETE Jammu Sub-Centre, offered his insights on how to enhance the future and advance IETE. IETE's impact on students' development was emphasized in his speech. **Maj Gen SK Sharma (Retd),** FIETE and President, Forum for Awareness of National Security, J&K, said BSc students must learn programming/coding and hardware techniques. He stressed the need for Arduino, Raspberry, or Jetson Nano-based single-board computers to solve social problems. With IETE membership, many students have found well-paying tech jobs. **Dr Radhika Khanna**, Hony Treasurer, proposed the vote of thanks. Academic dignitaries and students celebrated Foundation Day.

KAKINADA

In commemoration of the 70th anniversary of IETE, the IETE Kakinada Centre hosted a celebration of the **Foundation Day** on 2nd Nov 2023, at the ECE Dept of the University College of Engineering Kakinada, JNTUK Kakinada. Former Vice-President, Former GC member, IETE **Dr MHM Krishna Prasad**, Principal, University College of Engineering Kakinada, **Dr B T Krishna**, Centre Chairman, **Dr U V Ratna Kumari** and **Dr K Rama Devi,** Vice-Chairmen IETE, **Dr K Rajasekhar**, Hony Secy, **Smt K Jhansi Rani**, Hony Treasurer EC members, Faculty and

students attended the event. The President's message, **"Vision of a Developed India: Role of Futuristic Technologies,"** was read by **Dr B T Krishna**. The significance of IETE was highlighted by him to the academic and student community. **Dr B Prabhakara Rao (**F-133044L**),** a former GC member and a senior member at Kakinada Centre, was felicitated on this occasion. **Dr B Prabhakara Rao** urged the faculty to take advantage of IETE's membership benefits by becoming members themselves. All members of the IETE and ISF, as well as the teachers and students, fully engaged in these festivities.

KALABURGI

- During a five-day **Faculty Training Programme**, **Dr Lakshmi Patil Maka**, Dean of Sharnbasva University, and Kalaburagi read out the president's message. Following that, **Shri Sivaprasath Munusamy**, a corporate trainer, gave a session about AI, ML, and deep learning. The event took place during 5th-9th July, 2023, at Sharnbasva University in Kalaburagi. Attendees included professors from a range of academic fields. Roughly 35 people showed up. Participants had a better understanding of the practical applications of AI, ML, and deep learning during the session, which was highly educational. The expert held a practical session and the participants got a chance to ask questions.

- A weeklong workshop on **Artificial Intelligence and Data Science** was held from 11th to 17th July 2023 by **Shri Sivaprasath Munusamy**. The speaker started with data science, AI, machine learning, and python libraries including Numpy, Pandas, Matplotlib, Classifier, and Scikit-learn. He covered supervised, unsupervised, semi-supervised, and reinforcement machine learning. **Dr Lakshmi Patil Maka**, and **Dr Sujata Mallapur**, Chairperson of the Women's Faculty of Engineering and Technology Department of AI and ML, and **Dr Shivaleela Patil, Chair, s**pecialized Faculty CSI Dept were some of the distinguished guests. Following the inauguration, **Dr Lakshmi Patil Maka** stressed the importance of students understanding AI and ML and keeping up with emerging technologies to solve future professional problems. 100 computer science and AI students attended. A vote of gratitude ended the session. A quick feedback session was held.

- **Shri Shivananda R Poojara** a corporate a trainer was the resource person for the **Workshop on Aneka Cloud Platform,** held on 15th Jul 2023. **Dr V D Mytri**, Pro Vice-Chancellor, Sharnbasva University, Kalaburagi**, Dr Anilkumar G Bidve**, Registrar, Sharnbasva University, Kalaburagi, **Dr Lakshmi Patil Maka**, Dean, Sharnbasva University, Kalaburagi graced the occasion. 30 delegates participated. The goal of the session was to teach the faculty members how to use the Aneka cloud platform and current cloud computing developments. The hands-on application of the Aneka platform was another major focus of this event, which gave attendees practical knowledge of cloud computing.

KANPUR

- IETE Kanpur Centre and IE(I) Kanpur Local Centre jointly with Harcourt Butler Technical University, Kanpur, IEEE, UP Section and Association of Professional Graduate Civil Engineers, Kanpur celebrated **56th Engineers' Day** on 15th Sep 2023 at HBT University, Kanpur. **Er Ashutosh Srivastava,** Chief Engineer, Kanpur Development Authority, Kanpur was the Chief Guest. **Dr Amandeep Singh**, research establishment officer, Imagineering Laboratory, IIT, Kanpur delivered keynote lecture on the theme **Engineering a Resilient Future: Building Stronger, Smarter, Safer. Er Vivek Asthana**, Chairman, Kanpur Local Centre welcomed the gathering**. Prof Narendra Kohli,** Centre Chairman, presented the life sketch of Bharat Ratna, Sir M Visvesvaraya. **Er Rama Kant Yadav,** Hony Secretary, IEI, Kanpur Local Centre gave the introduction of Chief Guest and **Er Naresh Khandelwal**, Chairman, APGCE introduced the theme speaker. **Dr Amandeep Singh** explained that the current engineering scenario combines economic regeneration with the social goals of distributing opportunity and qualified employment more equitably across the nation and reducing net carbon footprint. This needs a constant uplifting by science and innovation, along with engineering. Engineers are innovative problem-solvers with a wide perspective on the larger issues facing the world. Engineers play a crucial role in the development of systems and solutions to combat climate change and promote the sustainable use and management of natural resources, he said. Engineers conceive, design, and develop new products and services to enhance the quality of life for people, and they safeguard the public-safety, health, and well-being. Engineers are accountable for the creation of novel products and services. **Er Rama Kant Yadav,** Hony Secretary, IEI, Kanpur proposed vote of thanks. 150 persons participated.

- Kanpur Centre and CSE Dept, Harcourt Butler Technical University (HBTU), Kanpur jointly organized **70th Foundation Day** on the theme, **Vision of Developed India: Role of Futuristic Technologies** on 5th Nov 2023. **Dr Vineet Vijayan**, Centre for Energy System Research, Tennessee Technological University, USA was the Guest Speaker. **Prof Narendra Kohli**, Chairman, Kanpur Centre welcomed the gathering. **Prof (Dr) J Ramku-**

mar, Hony Treasurer read IETE-President's message. **Dr Rashi Agarwal**, assoc professor, CSE Dept, HBTU Kanpur introduced the Guest Speaker who congratulated IETE members in India and abroad on celebrating the 70th anniversary of the Foundation Day. **Dr Vineet Vijayan** extended his congratulations to all IETE members in India and around the world. He said that for the purpose of illuminating the path for future generations, the subject matter of Vision of Developed India: The Role of Futuristic Technologies is highly relevant and appropriate. Tracing the evolution of India's power sector from early electrification to cutting-edge technologies, Exploring India's Power Evolution is an examination of both historical and contemporary developments in the sector. He mentioned about the difficulties and significant achievements encountered in the period following independence, when the power sector was nationalized and major power initiatives were initiated. Technological advancements and the proliferation of renewable energy sources were catalyzed by its adherence to economic liberalization and privatization. India currently adopts sustainable energy sources, smart infrastructure, and rural electrification. In addition, the presentation emphasized the importance of cutting-edge power technologies that hold the potential to create a power infrastructure that is more streamlined, robust, and environmentally sustainable. **Prof S N Singh (**F-165588L**), Prof J Ramkumar** (F-501820L) & **Er A K Jain (**M-116051L**)**, senior members of IETE Kanpur Centre were felicitated. **Er Prashant Kumar**, Hony Secretary proposed vote of thanks.

KOCHI

IETE Kochi Centre celebrated **70th Foundation Day** on 7th Nov 2023. **Shri M N Narayanan**, Centre Chairman, presided over the function and read out IETE President message for the day. A significant number of students from RSET and other colleges were present. The program commenced with the choir performing a prayer hymn. **Dr Tressa Michael**, an assistant professor at the Rajagiri School of Engineering and Technology, provided the welcome address. The 'Lighting of the Lamp' ceremony then ensued to signify the commencement of the significant event. The opening address was delivered by **Fr Dr Joel George Pullolil**, CMI, Assistant Director of the Rajagiri School of Engineering and Technology. He commended IETE for providing students and working professionals in the fields of Electronics, Information Technology, and Telecommunication Engineering with a unified platform. In his address, the Principal of RSET, **Dr P S Sreejith**, emphasized that IETE is currently

commemorating its platinum jubilee and that the institution has established itself as a preeminent professional organization both domestically and internationally. **Dr K R Suresh Nair**, a pioneer in electronics industry spoke on the theme, "Vision of a Developed India: Role of Futuristic Technologies". **Shri Thomas Antony (**F-169023**)**, retired outstanding scientist, Naval Physical & Oceanographic Laboratory (NPOL), Kochi was felicitated and shared his experience of working on the nuclear submarine program.

KOLKATA

- IETE Kolkata Centre celebrated **Engineers' Day** in online mode on 15th Sep 2023, in commemoration with birth anniversary of Dr Mokshagundam Visvesvaraya. This year's theme was '**Engineering for a Sustainable Future.'** EC members & ISFs joined the webinar. Speakers highlighted the role and importance of Dr M Visvesvaraya and his contribution not only in civil engineering but as a whole in the entire engineering discipline as a nation's growth depends on its engineers as they are at the forefront of innovation, problem-solving and technological advancement. The day encourages the younger generation to consider engineering as a career choice and serves as a reminder of the value of engineering in our daily lives. Following expressed their views: **Prof (Dr) Debasish De, Chairman, Dr Aniruddha Nag, Hony Secretary, Prof (Dr) Abhishek Das,** Vice Chairman, **Prof (Dr) Jyoti Sekhar Banerjee**, EC Member**, Shri Snehasis Banerjee,** EC Member & **Prof (Dr) K L Hassan** among others.

- IETE Kolkata Centre celebrated the **IETE Foundation Day** on 2nd Nov 2023 (Platinum Jubilee Year) by holding a lecture by **Prof (Dr) K K Ghosh**, past Chairman of Kolkata Centre with many years of teaching and academic experience. The Platinum Jubilee certificate was distributed to EC members. It was decided to felicitate **Dr S L Maskara (**F-029726L**)** as one of the founder members of Kolkata Chapter, but due to his sickness he couldn't attend the program.

KOZHIKODE

- The IETE Kozhikode Sub-Centre hosted a lecture on "**The Application of Mathematics in Engineering**" on 4th Jul 2023, which was attended by 50 individuals.

- A webinar titled "**Exploring Frontiers: Unveiling Opportunities in Biomedical Engineering**" was held on 6th Sep 2023, with a total attendance of 35 members.

MHOW

- The IETE Sub-Centre Mhow, Mhow MCTE, organized a virtual lecture on Cyber Awareness in commemoration of **Engineers' Day** on 15th Sep 2023. **Lieutenant Colonel Sahil Raina** presented a lecture in Batra Hall, Military College of Telecommunication Engineering, at Mhow.

- A delegation of 40 students and staff members from **Mahakal Institute of Technology in Ujjain, MP**, scheduled a visit to IETE Sub-Centre, Mhow on 2nd Nov 2023 in order to commemorate IETE Foundation Day. The students were provided with a comprehensive tour of cutting-edge technology facilities, which encompassed the Comm Labs Quantum Tech Lab, Artificial Intelligence Lab, and 5G Lab.

MYSORE

- The IETE Mysore Centre conducted a four-week **Internship Program** in '**Data Science Using Python'** for BE Students from 14th Aug to 9th Sep 2023. The Internship Program was honoured to have **Dr Srinivas M G**, a distinguished Professor and Head, ECE depart-

ment at Maharaja Institute of Technology, Thandavapura, as the chief guest. Additionally, **Prof Nataraj C R**, Centre Chairman Mysuru Centre, **Dr Bhagyashree S R**, Vice-chairperson, Mysuru Centre and Dean (Research) & Prof Dept ECE. ATMECE, Mysuru, **Shri Manjunath S M,** Execom Member, IETE Mysore Centre and Resource Persons were present on the occasion was present at the event. Approx 47 students from different engineering universities took part. **Dr Raghavendra Y M**, the Centre Hony and **Dr Sushma S J**, Assoc Prof, ECE Dept at GSSSIETW, Mysore, collaborated. During the first week of the internship, Prof Lavanya M C, Asstt Prof, Dept CSE at VVCE, Mysore, provided an introduction to data science and covered the fundamentals of Python for data science, including lists, strings, tuples, dictionaries, sets, and ranges. Additionally, she discussed Numpy for working with arrays and Panda for exploratory data analysis. During the second week, **Dr Asha M**, Asstt Prof, GSSSIETW, Mysuru, discussed several data visualization methods including scatter plots, line plots, bar plots, histograms, box plots, and pair plots. During the third week, **Dr Sushma S J**, Assoc Prof at GSSSIETW, Mysuru, provided an explanation of statistics, including descriptive statistics, mean, variance, covariance matrix, understanding univariate and multivariate distributions, hypothesis testing, and confidence intervals for estimates. **Prof Bhavya B G,**

Assistant Professor in the CS Department at VVCE, Mysuru, discussed the significance of prediction modeling. Additionally, **Prof Sharmila B S,** Asstt Prof, EC Dept at NIE, Mysore, provided an overview of machine learning and its importance. **Shri Shashank,** data scientist, Accenture, Bangalore, provided a comprehensive discussion on the application of data science to address real-time problems, supported by detailed examples. During the fourth week, students successfully finished mini projects, evaluations, and submissions assigned by the resource persons. The program was ended with a valedictory ceremony on 8th Sept 2023. Certificates were awarded to the participants and the resource persons in recognition of their successful completion of the Internship Program – 2023. **Dr Shyamala C**, GSSSIETW, Mysuru, and Hony Treasurer, IETE Mysore Centre; **Dr Asha M**, Asstt Prof, GSSSIETW, Mysuru, and EC Member, Mysore Centre, and **Shri Manjunath S M**, an EC Member, Mysore Centre, were present on the occasion. The resource persons included **Prof Lavanya M C**, VVCE, Mysore, and **Prof Bhavya B G**, VVCE, Mysuru.

- The **Independence Day** Celebration for the year 2023 was hosted by the IETE Mysore Centre on 15th Aug 2023. **Prof Nataraj C R**, Centre Chairman, delivered a speech to the assembled audience as the Guest of Honour. **Dr Bhagyashree S R**, Vice-Chairman, Mysuru Centre, Dean (Research) & Professor, EC Dept, ATMECE, Mysuru, **Dr Srinivas M G**, EC Member, Prof and HoD EC Dept, Maharaja Institute of Technology, Thandavapura, **Shri Manjunath S M**, EC Member, **Dr Raghavendra Y M**, Hony Secretary, Mysore Centre, Assoc Prof, EC Dept, GSSSIETW, Mysore, graced the occasion.

NAGPUR

- The **Dr P K Kapre Memorial Lecture** on "**Recent Trends in Internet of Things"** was organized by the IETE Nagpur Centre in association with KDK College of Engineering Nagpur on 9th May 2023. The speaker was **Dr Rashmi Pandhare**, an expert from the Indian Institute of Information Technology, Nagpur. The dignitaries shared the dias were **Dr Salim Chavan**, Chairman IETE Nagpur Centre, **Dr C C Handa,** Principal KDK College of Engineering and **Dr P D Khandait**, Vice Chairman IETE Nagpur Centre. The program was attended by about 55 students from ISF at KDKCE, as well as some EC members from IETE. Prof Mahawadiwar, from the ETC Department at KDK College, delivered the vote of thanks.

- IETE Nagpur Centre commemorated **55th World Telecommunication & Information Society Day** 2023 with IE (India) and IEEE Nagpur Centre on the theme chosen "G to 5G Technological evolution and beyond"on 31st May 2023. Key note speaker **Prof (Dr) Ashwin G Kothari**, Prof ECE, VNIT Nagpur spoke on "G to 5G Technological evolution and beyond". President's message was read by **Prof Harshwardhan Kharpate**, Hony Treasurer. **Er M A Pathak**, Chairman, IEI, **Dr Salim Chavan**, Chairman IETE, **Dr Prabhat Sharma**, Chairman IEEE Nagpur Past Chairman, **Dr. Sanjay Badjate**, **Er Ajay Sawatkar**, **Dr Suresh Rangankar**, Hon Secretary, **Dr Milind Khanapurkar**, **Dr R D Thakare**, Program Convener **Dr P D Khandait**, Vice Chairman graced the occasion. **Dr**

Suresh Rangankar, Hony Secretary, Nagpur Centre, proposed vote of thanks.

NASHIK

The activities undertaken from July to Sep 2023 under the IETE Nashik Sub-Centre are as follows:

- The Department of Applied Science, AICTE-IDEA LAB, K K Wagh Institute of Engineering Education and Research, and IETE Nashik Sub-Centre held a final year **BTech project exhibition and contest** on 17th Jul 2023. The Institute President, **Hon'ble Sameer Wagh, Hon'ble Ajinkya Wagh**, Principal **Dr K N Nandurkar,** and **Shri Shrikant Karode** attended the competition's event. **Hon'ble Sameer Wagh** praised the students' skills and hoped that the emerging generation's logic and technology will help them solve numerous difficulties. **Shri Shrikant Karode**, **Prof N M Shahane, Prof GB Katkade, Prof Vishal Shinde,** and **Dr Sharda Patil**

judged the contest. **Dr G B Dabhade, Dr PR Mogal,** and **Dr M J Kshirsagar** coordinated this event under **Dr A C Pawar**, HoD, Applied Science. The project display encouraged first-year BTech students' scientific and technical inventiveness. In 2022–23, students prepared 100 engineering exploration projects from diverse fields. Project coordinator and idea lab coordinator **Dr R K Munje** and **Dr P J Pawar** helped students prepare these projects, and all department heads provided guidance. The best 2-3 projects from each division were chosen for competition, totalling 40 projects. In 5 departmental groups, first and second place winners were chosen. For competition, 400 students participated.

- The Rajarshi Shahu Maharaj Polytechnic, Nashik, Department of Electronics & Telecommunication and IETE Nashik Sub-Centre hosted the a 2-day **State Level Workshop** on **Industrial**

Automation & PLC on 22nd-23rd Sept 2023. The program explained PLC fundamentals and provided hands-on practice. **Shri Dnyaneshwar Padol**, Director, Yug Automation Training Center; **Prof B N Shinde**, IETE Member and Hony Principal; **Prof Prashant Patil** were the Chief Guests. After the Chief Guest's felicitation, **Prof B N Shinde** spoke on the workshop's future benefits for students. **Shri Padol** began with a brief power point on Industrial Automation, PLC, and SCADA Trends. PLC function, architecture, and applications are his focus. He added PLC hardware such Input Modules, Output Modules, CPU, Memory, Programmable Device, and Power Supply. Also included were 32-capacity Pico PLCs. He briefly explained input-output device interfaces. After introducing hardware, he discussed market-available software. He also suggested program logic development. He showed how to write program algorithms and ladder logic. This workshop was for E&TC third-year students. Workshop participants included students from other colleges. Event coordinator was **Prof PG Deshmukh**.

- The Dept of E&TC, Guru Gobind Singh Polytechnic (GGSP), Nashik, in association with IETE, organized a one-day hands-on workshop on **"Industrial Automation"** led by **Shri Rajendra Kodmelwar**, Business head, AMT Skill Center, Nashik, **Ms Amruta Chaudhary,** and **Krutika Karekar**. The workshop was held on 8th September 2023 with over 50 students participating in the workshop.

PILANI

The IETE Centre & ISF at B K Birla Institute of Engineering & Technology, Pilani, Rajasthan organized workshop on 'Circuit Designing and Simulation' on 30th Sep, 2023 by **Shri Ashish Kumar Jha**, Hardware Designer, Secure Meter, Jaipur as the guest speaker**. Dr Krishna Meel,** Secretary, Pilani Centre, **Dr Santosh Jangid** (HOD ECE Dept**), Dr Smita Pareek** (HOD EE Dept) and **Dr Vipin Kumar** (Assoc Professor, Dept of Mathematics) attended. Participants were introduced to industry-standard simulation software and guided through hands-on practice to design and simulate electronic circuits. **Shri Jha** presented a comprehensive analysis of the core principles of circuit design, highlighting the significance of robust design methodologies. Attendees were acquainted with simulation software commonly used in the industry and were provided with step-by-step instructions to create and model electronic circuits. In addition, he provided valuable perspectives on practical implementations of circuit design, demonstrating the essential role these abilities play in contemporary technology.

PUNE

Quarterly events held by the Centre were as follows :-

- The TRAI Regional Office in Bengaluru in collaboration with IETE Pune Centre, hosted a seminar titled **"5G Insights - Transforming the Future of Communications"** on 9th Aug 2023, at Hotel Aurora Towers in Pune. The welcome address was delivered by **Shri Brajendra Kumar**, Advisor of TRAI RO Bengaluru. The sessions were done in the following manner: The first session focused on **"5G Network and Use Cases"** presented by **Shri R Venkateswaran**, Senior Vice President of Persistent Systems in Pune. The second session focused on "**Artificial Intelligence in Radio Access Network (RAN)",** addressing the challenges and opportunities. The speaker was **Shri Makarand Kulkarni** from Sankhya Labs in Bengaluru. The third session dealt with the topic of "**AI & Other Technologies Driving 5G-Advanced & Beyond"** and was presented by **Dr M H Kori**. The session titled "**Evolution of 5G"** was presented by Shri V Kendurkar, Deputy Director General of the Department of Telecommunications Maharashtra LSA, Pune.

- An online training program lasting one month was arranged in association with Buds Engineering Academy. About 37 people who took part benefited.

- The IETE-Pune Centre, in partnership with Cummins College of Engineering for Women, Karve Nagar Pune, recognized women who have made noteworthy contributions to society for **Women's Achievement Award** on 8th Sep 2023. **Dr Sonal Modi**, VP, L&D Mastercard, IETE-Delhi Governing Council Member **Dr D S Bormane**, IETE Chairperson **Dr V V Shete**, and Chairperson of Women Empowerment in Engineering, IETE, **Dr Ashwini Kunte** were in attendance at the event. They commended the four exceptional women for their steadfast commitment and dedication to improving the world. **Dr Reema Tandale,** respected for her ceaseless endeavours in the medical domain; she is a beacon of optimism in the field. **Mrs Pratibha Joshi** epitomizes valor and dedication to the public good. Her dedication to maintaining law and order has garnered the admiration of numerous individuals. Furthermore, our subsequent recipients, **Dr Geeta Bora** and **Mrs Jyotsna Bahirat**, exemplary women who have devoted their lives to promoting social welfare. Having devoted their efforts ceaselessly to an NGO, they have been at the vanguard of endeavours that seek to empower disadvantaged women.

- The IETE Pune Centre hosted the **70th Foundation Day** celebrations on 2nd Nov 2023, in the Global Hall. Senior and corporate members gathered in huge numbers. **Dr D G Bhalke,** Pune Centre welcomed all members, including senior members, to be felicitated. Hony Treasurer **Dr Sunil Somani** introduced senior members. **Prof SK Khedkar** (F-050956L) received a shreefal, bouquet, and shawl in accordance with IETE tradition. Prof Khedkar strongly supported IETE since 1984. He was IETE Pune Centre Chairman, Governing Council member, and Academic and Publication Committee member. Prof Khedkar was IETE Pice President in 2019-20. As returning officer, Prof Khedkar successfully managed the 2020–23

IETE Governing Council Election. His west zonal mentorship lasted from 2018 to 2019. His continuous support of the Pune Centre is appreciated. This function awarded **Prof GS Mani** (F-108290L) a shawl, flowers, and shreefal. After over 40 years in Indian Defence R&D, he retired as Director and Dean of Institute of Armament Technology in 2002. Prof GS Mani received the Import Substitution Award from the President of India in 1971, the Governor of Maharashtra's Excellence in Education/R&D Trophy in 1999, the DEMA Appreciation Award in 2000, the Mayor of Pune's Appreciation Certificate for Social Service in 2014, and the Society for Data Science's Lifetime Achievement Award in 2023 for Progression of Science and On Foundation Day, **Mrs Leena Bokil, Mrs Khedkar,** and **Mrs Mani** received shawl shreefals and bouquets. Program ended with Centre Chairman **Dr V V Shete's** vote of thanks. Everyone, including felicitation and EC members, had dinner after the program.

RAJKOT

IETE Rajkot Centre celebrated **70th Foundation Day** in association with Govt Engineering College Rajkot on 7th Nov 2023 at EC Department, Government College Rajkot. **Prof (Dr) Atul M Gonsai,** Chairman Rajkot Centre traced glorious history of the institution in service of the nation since 1953. **Dr Divyesh R Keraliya,** Hony Treasurer IETE Rajkot read out the President's message on this year's theme, "**Vision of a Developed India: Role of Futuristic Technologies"**. The key note speeches on above theme were delivered by **Dr Sarang Pande,** Principal, Faculty of PG Studies and Research**,** Marwadi University and **Dr Alpesh Adesara**, Assoc Professor & HoD, Electrical Dept, VVP Engineering College. Senior members **Er SV Sedani** (M165670); **Er V**

M Patwari (F009973) and **Er SM Suchday** (M174556) were felicitated. In recognition of senior member **Er C M Devani's** (F005932) critical health, the felicitation was held at his residence. **Dr Rahul D Mehta**, Hon Secretary proposed vote of thanks. 140 participants attended.
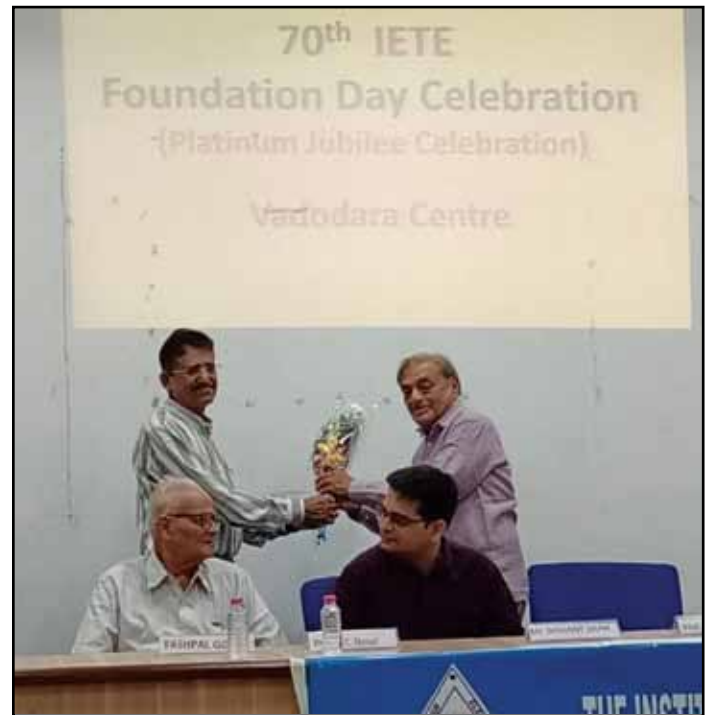
TRIVANDRUM

The IETE Trivandrum Centre facilitated the technical discussions: **Lightweight Formed Concrete Using Industrial Waste Materials**, presented on 26th Jul 2023 by **Dr Sajan K Jose**, Head of the CE Department at LBSITW, Thiruvananthapuram, attended by 31 participants. 28 participants attended **Design Secrets of the Universe Using Hidden Mathematics as Numbers and Proportions**, presented by **Dr V Rajendra Babu**, Dean of PG Students at CET, Trivandrum, on 17th Aug 2023. On 27th Sep 2023, **Er Kurien George**, Retired Ex-Engineer, KSEB, Trivandrum, presented **Removal of Iron from Contaminated Water**. In collaboration with IEI, CSI, and others, this session was attended by 45 individuals.

VADODARA

● IETE Vadodara Centre celebrated **Engineers' Day** by organizing an expert lecture by **Dr Vijay K Shah**, ABB Ltd., President of Electrical Research and Development Cell (ERDA), Vadodara on 23rd Sep 2023, on the topic, **Challenges and Opportunities: Electronics in Renewable and Transportation Application**. In his presentation on the energy outlook from 2020–2050**, Dr Vijay K Shah** covered both the current energy stock and its future flow. The production and consumption of energy contribute significantly to climate change (emitting 80% of the world's CO_2 emissions), making renewable energy sources the optimal choice for demand-side and transportation-related applications. There were two main points covered: 1) the integration of large-scale RES into the electric grid and the stability of the network, and 2) the use of Power Electronics to achieve dependable, intelligent, and efficient power consumption and usage. Major hurdles for renewable and transportation applications include achieving better efficiency, DC braking, DC protection, energy storage, and charging infrastructure. He spoke about the possibilities and threats that academics face when trying to use electronics to address big issues in fields ranging from energy generation to transportation**.** Following persons attended: **Shri Yashpal Goyal**, Chairman, Vadodara Centre, **Dr Mamta C Padole**, Immdt Past Chairperson, **Dr R C Desai**, permanent invitee, **Ms Manisha Mayavanshi**, Hony Jt Secretary, **Dr Pramod Modi**, Hony Treasurer, **Prof Sunil Patel**, EC member, **Shri Devsi Chocha**, faculty member MSU, **Shri R P Gupta** EC member, **Mrs Najuk Parekh**, faculty member MSU, **Shri Chokashi Bhargav**, ISF Rep, **Dr Sonal Rane**, **Dr Hetal Pathak**, **Shri Ramakant Sharma** and **Shri Naresh Kumar Garg**, permanent invitee among others.

● IETE Vadodara Centre celebrated **70th Foundation Day** by organizing an expert lecture by Dishant Shah, CTO at CZAR Metric Private Limited, Vadodara on 4th Nov 2023 on topic **Vision of a Developed India: Role of Futuristic Technologies**. As part of this expert lecture, **Shri Dishant Shah** began discussions with the top countries in terms of labour economics. He ranked India as the most developed nation based on GDP: The gross domestic product (GDP) of India was $468.39 billion in 2000, $1,675.62 billion in 2010, and $3,385.09 billion in 2017. He

did an excellent job of outlining the elements that are facilitating India's development, such as Startup India and Atma Nirbhar Bharat. The effects of AI on different industries were also covered by him, including agriculture, manufacturing, information technology, healthcare, robotics, banking, business, education, marketing, and finance. Technology Vision Future is a fitting conclusion to his work. With an emphasis on improving the standard of living for all Indians, India has set its sights on becoming a more developed nation. Honoring long-serving members: **Prof A I Trivedi** (F-084595L) and **Prof M S Gosawi** were both felicitated for the years of service they have given to the IETE Vadodara campus. Both Dr R C Desai and Dr Sorum Kotia extended congratulations to their respective members. Others attended included: **Shri Yashpal Goyal**, Chairman, Vadodara Centre, **Dr Mamta C Padole**, Immdt Past Chairperson, **Vet Dr R C Desai**, permanent invitee, **Dr Sorum Kotia**, special invitee, **Ms Manisha Mayavanshi**, Hon Jt Secretary, **Dr Pramod Modi**, Hony Treasurer, **Prof Sunil Patel**, EC member, **Shri Devsi Chocha**, faculty member MSU, **Shri R P Gupta** EC member, **Shri Hiren M Patel, Shri Chokasi Bhargav**, ISF Rep, Shri P V Khubalkar, ONGC, Vadodara, Ms A P Khubalkar, **Shri Daxesh Limbachiya**, ISF Rep **Dr Sonal Rane**, **Dr Hetal M Pathak** EC member and **Shri Jagdish Ramchandani** among others.

VARANASI

IETE Varanasi Sub-Centre hosted the **70th Foundation Day** celebration – 2023 at the Dept of EE, IIT(BHU), Varanasi on 2nd Nov 2023 on the topic **"Vision of a Developed India: Role of Futuristic Technologies."** About 45 dignitaries, including IETE Varanasi Sub-Centre members, participated. **Prof M K Meshram**, Chairman of IETE Varanasi Sub-Centre, welcomed the attendees and briefed them on the Center's operations. On 70th Foundation Day, Hony Secretary **Er Rajan**

Srivasatava read President Prof A K Saini's address on the theme. Key note speaker **Dr Atul Kumar**, Assistant Professor at IIT (BHU) Varanasi and IEEE Communication Society, UP Chapter Chairman, spoke on "Vision of a Developed India: Role of Futuristic Technologies." He spoke eloquently. **Dr Somak Bhattacharyya**, Vice Chairman, IETE Varanasi Sub-Centre, thanked the audience for celebrating this momentous day. Distributing mementos to all dignitaries ended the event.

VIJAYAWADA

- **70th IETE Foundation Day – 2023** (Platinum Jubilee Year) celebrated by IETE Vijayawada Centre in association with ISF of PVP Siddhartha Institute of Technology, Kanuru, Vijayawada on 2nd Nov 2023. **Er D Rama Krishna** MD, CEO, Efftronics Systems Pvt Ltd Mangalagiri, AP was the chief guest. In the beginning **Dr Sujith Kalluri**, Hony Secretary, Vijayawada Centre, read the President's message. **Prof B K Rao, Prof B S N Reddy, Dr K Sivaji Babu**, Principal, PVPSIT, **Dr C Subba Rao**, HOD ECE, PVPSIT, **Dr B**

Rajasekhar, Chairman, Vijayawada Centre, **Dr Sujith Kalluri** graced the occasion. The occasion featured a video of IETE Promo. **Dr B Rajasekhar**, IETE Vijayawada Centre Chairman, spoke on IETE Foundation Day. Other speakers were **Prof B K Rao, Prof B S N Reddy, Dr K Sivaji Babu**, PVPSIT Principal, and **Dr C Subba Rao**, HOD ECE. Senior members **Er D Rama Krishna**, (F057965L), **Prof B K Rao**, (F021649L), and **Prof BSN Reddy** (M052290) were recognized and honoured. The web portal for the IETE Vijayawada Centre was launched by **Dr K Sivaji Babu**, Principal, PVPSIT, and **Dr K Ramanjaneyulu**, Past Chairman. Chairman, Executive Committee, Corporate, and Student Members attended the session. Session was instructive on financial crisis and Indian futuristic technology development. Alongside the expert, the attendees engaged in a question-and-answer segment. Dr B Surya Prasada Rao, Hony Treasurer of the IETE Vijayawada Centre, presented the vote of thanks.

IETE Students' Forum (ISFs) Activities

- **ISF** at **ECE Dept, Sagar Institute of Science, Technology & Research (SISTec Ratibad), Bhopal, MP** organized an industrial visit to Aartech Solonics Private Limited on **Nov 12, 2022** for the 2nd year students of ECE Dept. The company specializes in relay panels, motor control centers, testing equipment, digital, and power electronics. Students visited the Auto CAD Designing and Incubation center and laser cutting and printing equipment. After that, students visited an ultra-capacitors factory for energy storage, power quality, and pulse power. They went to metal cutting and welding unit. Students saw the Control and Relay panel's most important component last. Students asked Shri Himanshu Gupta questions during Q&A. Every tour was interactive and educational for students. The tour was meant to bridge the gap between academia and industry so students could see the workplace of the future. To bridge the industry-academia gap and learn about industry demands, the ECE Department of SISTec-R, hosted an expert talk on "Technology Evolution of Mobile Communication" by Shri Shambhudhar Dwivedi, HSI Core Manager MP & CG, Reliance Jio, on **Nov 18, 2022.** The 1G–5G mobile communication technology evolution was explored. He also included Telecommunication Engineer as an Electronics and Communication Engineer option. Shri Harvinder Singh Saluja, HoD, and senior faculty met with the

expert to discuss curriculum gaps between industry and academics and how the department is introducing numerous industry-needed technical modules. Shri Dwivedi commended student projects. He coached some students on project marketability. On **June 8, 2023**, the ECE Dept held a hands-on training session on "Embedded System and IoT" for EC-IV semester students to bridge the gap between industrial skills and academic Knowledge. This course was led by Shri Sudesh Morey, MD, DRMZ Systems Innovations Pvt. Ltd., and Shri Manish Nim, Product Manager. Students learn about embedded systems and IoT in this training. Training was split into two sessions. The first session introduced students to IoT, its history, how it may aid us in daily life, and its benefits to organizations. Sensor and actuator design and processing hardware were covered in the second session. The instructors answered student questions throughout the session. This seminar will assist students understand market trends and demand and how to prepare for it. An industrial visit for 2nd year EC students to NITTTR Bhopal-Siemens Centre of Excellence was organized on **Jun 12, 2023** to understand the current demands of the industry from an engineering graduate. Students were exposed to the knowledge of PLC, SCADA, energy saving devices, 3D modeling technology, robotics, IIOT, and mechatronics and briefed about the real-world challenges & Industry 4.0 revolution in India.

An international expert session held on 'Sustainable practices and strategies in electronics engineering for a sustainable world' on **Nov 7, 2023** by Dr Suresh Kumar Vishwakarma, Sr Engineer, BC, Hydro, Vancouver, Canada, hosted by Prof Hariom Solanki, Asst Professor, ECE Dept. ISF held an International expert session on Sustainable Practices and Strategies in Electronics Engineering for a Sustainable World. The speaker discussed Green Technology and eco-friendly electronics design as the event progressed. He discussed energy efficiency and conservation. Speaker outlined points students should consider when planning a project. The session ended with QNA. Students actively participated during the interactive session. The session's points will benefit students and society.

- **ISF** at **Dept of Electrical & Electronics Engineering, Adamas University (AU) Kolkata,** WB hosted an industrial guest lecture and faculty training session on "Resilience Enhancement of Network-Based Power Systems with Cyber-attacks" on **Apr 3, 2023**. Dr Dipayan Guha (Assistant Professor, Dept of Electrical Engineering, NIT Allahabad) discussed smart grids' cyberphysical systems and security risks. He also covered the three-layer CPS architecture. After that, CPS attacks, including deception and DoS attacks, were explained. Following that, pan-India AGC implementation was the topic of conversation. The recent Indian Power Grid cyberattack was briefly covered. Finally, Small-Signal Stability: Modelling, Modern Control System Resiliency, and Fractional-Order Calculus: Systems & Controller were covered. Discussion on Model-based Attacks / Unknown disturbance Estimation concluded the lecture. Fixed-gains Controller: Design for the operating state, Multi-loop Controller: active disturbance rejection, and Sliding-mode Resilient Mitigation Algorithm. The guest speaker concluded the question-and-answer session by discussing NIT Allahabad internship and joint research opportunities and essential skills for young engineering graduates. The event garnered excellent response from attendees. Shri Snehasis Banerjee, Scientist, TCS Research, lectured on 'IT Industry placement tactics and skills' on **Aug 9, 2023**. The lecturer mentioned NPTEL, edX, Coursera, and Khan Academy for online skill development. The speaker also listed the top 10 global laboratories for NLP, IoT, Deep learning, and other computational courses. The speaker concluded with IT career paths and employment roles. The speaker also mentioned TCS tech professions like technical architect, solution architect, CTO, etc. The speaker also advised engineering students on CV preparation and TCS internships. 31 members joined.

- **ISF** at **Mother Teresa Institute of Science & Technology**, **Sankethika Nagar, Sathupally, Telangana,** inaugurated a three day national level workshop 'Arduino Programming with IOT' during **Jun 26-28, 2023**, where Dr B Rajasekhar, Chairman, Vijayawada Centre was the Chief Guest.

- On **July 1, 2023**, ISF at EC Dept, **Sri Venkateshwara College of Engineering (SVCE), Bengaluru, Karnataka** organized a hybrid "Hands-on Workshop Using Innovative & Advanced Teaching Aids" for faculty, technical staff, and lab instructors to improve their skills in the latest and most advanced electronic laboratory equipment. On **August 2, 2023**, SVCE and Bengaluru Centre held a student competition on 'Innovative Microsoft Power Point, Presentation Design & Poster Design for Social Media'.

- **ISF** at **EC Dept, Jeppiaar Institute of Technology (JIT), Sriperumbudur, Chennai Tamilnadu,** organized event 'Electronic Riddles' on **Jul 3, 2023**. 30 persons participated. Held a two-round 'Monoact' on **Jul 9, 23**. The event had 15 questions. Participants readily answered all questions. Participants had fun to relieve tension. Organized **Jul 14, 2023** 'Think About It'. 50 persons participated. Organized webinar titled 'ANIMEZZ' on **Jul 16, 2023**, where participants answered 25 questions. The fun-filled event allowed participants to overcome their stress. 70 persons participated. The competition involves 3 rounds. The event had 25 questions. On **Aug 14, 2023**, ISF at ECE Dept. held "Break The Code". Technical Quiz on **Aug 19, 2023**. ISF at ECE Dept held "Tele 360" on **Aug 23, 2023**. On **Sep 11, 2023**, 'Find the Difference' was non-technical. Organized **Sep 19, 2023** technical event 'Mix Pix.', on **Sep 23**, organized Rapid Fire, a non-technical event.

- **ISF** at **EC Dept, Panimalar Institute of Technology (PIT), Chennai,** Tamilnadu organized webinar on 'Cracking the Verbal Aptitude Test: Tips and Strategies' as a part of 'Aptitude and Communication Skills' on **Jul 4, 2023** by Ms Lavanya S, Verbal Aptitude Trainer at Grad Square. She provided a few websites for practice exams and suggested a book to help with GRE preparation. 35 persons participated. Two webinars were held on **Jul 5, 2023**: (i) Igniting Your Machine Learning Journey on the Emerging Technology Track by Dr Rinpal Ranpara, Founder of Excellence Education Technology and Asst Prof, Atmiya University, Rajkot, Gujarat; and (ii) Importance of Communication and Soft Skills in today's world as a part of Aptitude and Communication Skills track' by Ms Eram Roohi, Communication and Soft Skills trainer, explained soft skills like communication, leadership, problem 35 and 30 people, respectively, participated. Event 'Explore in You' organized on **Jul 6, 2023** which provided opportunity to show off their public speaking abilities and share their opinions on a range of subjects. Participants had two rounds to choose their themes and openly shared their ideas. The occasion promoted public speaking skills and idea exchange. 40 persons participated. On **Jul 8, 2023**, Dr V V Rama Rao Pokanati, professor in EEE, guest speaker, entrepreneur, and insurance advisor, hosted a webinar on 'IoT Applications as a part of Emerging Technology Track' that showed how IoT technology can transform healthcare, agriculture, transportation, and manufacturing. He described IoT applications like remote patient monitoring, smart farming, connected vehicles, and factory predictive maintenance. Thirty participants took part. Event titled, 'Communication Skills as a part of Aptitude & Communication Skills Track' by Ms Ayshwarya CN, Soft Skills Trainer, Amity University, Punjab on **Jul 8, 2023**. Held Find the Flaky on **Jul 11, 2023**. Participants were able to identify countries and their geographical classifications by distinguishing the single attribute among population, climate, and continent visual representations. This program helped participants understand climate and country information through visual identification. Ms Radhika Savani, HR & BDM of Sylvi Watches, led a webinar on **Jul 12, 2023** to discuss tone of voice, pace of speech, and volume. She also asked good aptitude and verbal questions to interest people. She then gave us

important insights and tips to improve our communication abilities. Arranged a workshop on **Jul 12–13,** 2023: First day -How to Build a Creative Resume? Second day- GLA University Master Trainer Shri Ashish Agarwal lead the PREP (Placement Readiness Enhancement Program) discussing successful techniques for impressing recruiters during interviews to start off the session. He highlighted key components for a flawless resume and offered insightful advice on how to write one. In addition, he provided us with tools to improve our abilities for better job placement and insightful advice on how to ace interviews. Organized webinar on **Jul 13, 2023** titled 'Economic impact of the rise of crypto-currency and block-chain technology' as a part of 'Emerging Technology Track' by Shri Kamalesh Nagware, TED speaker, co-chair at Hyper ledger India and CTO at Snapper Future Tech, who explained the captivating world of block-chain technology, exploring its evolution, stable coins, security tokens, and the Ethereum platform. 35 persons participated. A webinar titled "Full Stack Development" was arranged on **Jul 15, 2023,** as part of the "Emerging Technology track." Ms G Archana, a software developer at Accenture, public speaker, and technical mentor, covered the complex world of web development, exploring the front-end, back-end, and the well-balanced integration between the two. There were thirty participants. The entrepreneur and soft skills trainer Shri Shivam Lalchandani hosted a webinar on **Jul 16, 2023,** titled "Communication: From College to the Practical World," as part of the "Aptitude and Communication Skills track." The webinar covered a variety of communication styles, including interpersonal, organizational, and non-verbal. There were twenty-five participants. Arranged three webinars on **Jul 17, 2023**, with the topic "Be Your own Boss." Ms Richa, the owner of Invincible Wow and Cinema Art Studios, spoke about the dreams of all students. There were 25 participants. (ii) "Impact on Emerging Tech for Enterprises" by Shri Raj Kapoor, the founder of the Blockchain Governance Council and the India Blockchain Alliance, discussed gamification, web 3.0, the metaverse, blockchain, and Tamilnadu as a gaming hub. Thirty individuals took part in the following: (iii) Dr S Albert Alexander, Chairman of the IEEE Power Electronics Society, Madras Section, Vice President of the Energy Conservation Society, India, and associate professor at VIT Vellore, gave a talk on the fundamentals of machine learning as part of the "Exploring Technology track." Alexander covered these topics, as well as how to distinguish between supervised and unsupervised learning, machine learning algorithms, and real-world applications where machine learning has had a significant impact. There were 75 participants. Organized a 'Chess Kwiz' on **Jul 20, 2023** focusing on improving general knowledge. 25 persons participated. Organized two webinars one each on **Jul 21 & 22 :** (*i*) 'Building Engaging User Interfaces: A Front-End Journey' by Shri Debajit Mallick, software engineer at P360 and organiser at GDG Siliguri, shared insights on creating effective user interfaces, including essential Do's and Don'ts and (*ii*) 'Effective Communication' as part of the 'Aptitude and Communication Skills Track' by Shri Varun Jaggi, co-founder of Common Collar, who discussed the key goals of communication, encompassing informing, persuading, and building relationships. He imparted valuable tips on effective professional communication. 20 persons participated. 'Tax Maze' held on **Jul 24, 2023** focusing on tax contribution for national development. Organized a two-day

workshop on **Jul 24 & 25, 2023** focusing on Graphic Designing by Shri Jagadeeswaran, graphic designer and founder of WECA (O)N GRAPIT and Shri Rohan, graphic designer at Information Management Committee Region, focusing on graphic designing apps Canva & Photoshop, including picture editing, background removal, and creating a poster. A hands-on session with 'Illustrator', highlighting its capabilities in creating beautiful designs was conducted. 30 persons participated. Arranged a Fin-tastic Flair event on **Jul 25, 2023**. The participants gained knowledge about fish farmers and fish production. A seminar on 'Generative AI' by Ms Raghavi Bala, ML Engineer at Zipteams, was held on **Jul 26, 2023**. Bala discussed the revolutionary technology's applications and potential, including generative models' ability to create creative content from text to images. These models are changing art, literature, and marketing, as attendees learned. Speakers also discussed AI-generated content's ethical issues. Choco Pulse event on **Jul 29, 2023** had four captivating sessions. Participants named chocolate brands first. Second, a lively pop quiz added fun. Finally, a connecting game that matched chocolate names to images increased cognitive engagement. Workshop on **Jul 29–30, 2023** on 'LinkedIn Features from Scratch' by Shri Austin Eusso Prasad, technical head IEEE, and Shri Krishnan Gopakumar, SAE Club Designer in Mar Baselios College of Engineering and Technology covered essential LinkedIn features, profile creation, and networking strategies, emphasizing LinkedIn's potential for professional growth and career advancement. 30 people took part. Organized two webinars on **Jul 30, 2023**: (i) 'Mastering Math Minds: A Journey Into Aptitude Excellence' by Shri Vengateshwaran, aptitude trainer at Vaagai Academy of Mathematics, who covered various mathematical concepts and problem-solving techniques; and (ii) 'Email Etiquette' by Ms Karthiga S, senior master soft skills trainer & SME at Edunet foundation, who stressed the importance of email etiquette. Organized a webinar titled Communicate Confidently as part of the track Aptitude and Communication Skills on **Aug 5, 23** by Ms Namrata Asrani, Certified soft skills trainer, who discussed sending good verbal, nonverbal, and quasi-verbal signals and the power of pitch, including high and low pitch. On **Aug 6, 2023**, the "Nanban Playlist" event had two rounds: 1- find a song's missing lyric and the 2 - find a song by connecting emojis. Friendship day brought back good memories for everyone. About 40 students attended. Wedodigimarketing founder, Digital Marketing Trainer, and Consultant Ms M A Lalitha Lakshmi led a webinar on digital marketing on **Aug 9, 2023**. Digital marketing was introduced, followed by insightful real-life examples. Her digital marketing services included Website, You Tube, Google Ads, and guerrilla marketing. She also discussed digital marketing career prospects and requirements. On **Aug 11, 23**, Ms Anshika Tiwari, Vice President, Student Society, Entrepreneurial Cell, RKGIT Ghaziabad, led a session on the development of e-commerce and multi-channel retail. She pictured E-Commerce's ascent and explained its scope. Finally, she emphasized E-Commerce's drawbacks. Held a 'Cartoon - Topia' event on **Aug 11, 2023**, when spectators interpreted classic cartoons using visual and audio signals, sparking spirited discussions and cherished memories. Participants exchanged guesses and memories on the virtual platform, fostering networking. The event demonstrated

how technology and entertainment merge, showing cartoons' timeless appeal. Organized event on **Aug 12, 2023**, titled 'How to Avoid Foolish Opinions' by Shri Jalatham Gangadhar Reddy, Asst Professor, RIPER, Anantapure, who gave key points to avoid foolish opinions and suggested books to change the mindset, concluding that everyone should have a psychological imagination of cause-and-effect of our approach before starting arguments. 20 people took part. Public speaking expert and global educator **Ms Priya Paul** led a webinar on **Aug 12, 2023**, on the 'Art of Public Speaking'. Start by explaining public speaking, its forms, and the importance of tone to interest the audience on the chosen topic. She explained Aristotle's three rhetorical appeals. She also advised on creating an impactful stage presentation. Shri Shivam, Vice Chair of MGAB at IEEE Computer Society, gave a seminar on **Aug 13, 2023,** titled 'Introduction to Artificial Intelligence', covering machine learning, real-world applicability, and ethics. The interactive workshop illuminated AI strengths and weaknesses. Shri Sreekanth Kurapati, AWS Architecture TCS, presented a workshop on 'How Devops Changed IT World' on **Aug 16, 2023**. He began the class with a Devops overview, adoption, and obstacles. He discussed the waterfall method's pros and cons. He then explained Devops concept and demonstrated it. Held a creative contest called 'Slogan Rivalry' on **Aug 16, 2023**, to teach kids about freedom in honor of Independence Day. Participants accepted the challenge, connecting previous sacrifices to present gratitude. 45 people joined. The event planned for **Aug 15, 2023**, focussed on honoring freedom fighters as a way to celebrate Independence Day. As an additional element of the Independence Day festivities, an event called "Photography" took place on **Aug 16, 2023**. It contained a Google Form link that participants could utilize to submit their images. Tricolors and Independence Day were the subjects of the photographs. On **Aug 17, 2023**, Shri Sathish, CEO of eCrusaders, held a lecture on 'Entrepreneurship and Life Skills'. The speaker taught life skills, focusing on time management. Time management awareness was raised during this session. 50 people joined. Mrs Geeta Ravisankar, self-transformational coach and founder director of GG Academy, spoke on flexibility and resilience in handling obstacles at a conference on **Aug 18, 2023**, titled 'Futuristic Learning and Life Skills'. Change management and emotional strength were highlighted to help women overcome hurdles. She studied critical thinking, creativity, cooperation, and communication for the future of work. 20 people took part. Shri Swaminathan Nagarajan, CEO, COLLOC Consulting Services, gave a 'Digital Transformation' talk on **Aug 18, 2023**. He masterfully negotiated technology-induced industry upheaval. He demonstrated the need of digital evolution for corporate performance with colourful case stories. Learning about adaptive methods, customer engagement, and operational efficiency was memorable. The seminar stressed the need of digital transformations for sustainable growth in a fast-changing environment. 35 people joined. On **Aug 20, 2023**, Shri Vinay Pushpakaran, global keynote speaker, parallel entrepreneur, and brand strategy consultant, lectured on 'Building a Brand as a Student'. He stressed the importance of using social media to exhibit talents and interests. Optimizing social media profiles, providing compelling content, and managing brand image were highlighted. He also advised on hashtags, interactivity,

and visual aesthetics to boost business visibility. 30 people joined. ISF held a 'Big Data' seminar on **Aug 22, 2023** at ECE Dept. Software Engineer and Carnegie Mellon University Student Delphine Nyaboke opened the session with big data basics. She presented real-world big data analytics applications. Big data is crucial in today's data-driven environment, she said. She described how large data powers machine learning algorithms. On **Aug 26, 2023**, Shri Paul Raja Livingston, founder of Goodness foundation, lectured on 'Being Humane' to promote compassion in society. He spoke to guests about the power of small acts of kindness and their far-reaching effects, inspiring a commitment to humanity in everyone's life. On **Aug 26, 2023**, Shri Jithin K Jose, Vice Chair, MDC, IEEE Kerala division, presented on "How to Face an Interview?" emphasizing the importance of preparing for frequent interview questions. He covered how to answer strengths, limitations, experiences, and successes questions persuasively. The workshop discussed interview nonverbal communication and achievements. The session covered the significance of non-verbal communication in interviews. 25 persons participated. Shri Rakshit Satija, founder and CEO of Skyware, presented 'The Entrepreneurship Journey' on Entrepreneurship Day 2023. He stressed market opportunities and how to capitalize on them and entrepreneurial risk management. Passion for one's venture and determination to overcome challenges were stressed. 20 people took part. Shri Shubham Thapa, Infosys Data Analyst, led a two-day course on Azure and Cloud Services on **Aug 26–27, 2023** Introduced cloud, its characteristics, types, and the need for it in the modern world, then defined cloud computing and explained Azure, AWS, and Alibaba clouds. On the second day, he explained Azure, infrastructure as service, platform as service, and software as service using real-time examples. Infosys Technology head Divakar R gave a guest lecture on Change Data Capture in Azure Data Factory on **Aug 27, 2023** at ISF at ECE Dept. Discussed Azure data factory composition and changing data capture from databases and file capture from file storages. He discussed data factory operations and pipeline monitoring. In the session, the speaker answered participant questions. Hosted a presentation by Shri Ashwin Kumar B R, founder and CEO of Quantum Block Software, on Web3 Era entrepreneurship values on **Aug 28, 2023.** Entrepreneurship and Web3 approaches were discussed. 30 people joined. Presented a webinar on **Aug 30, 2023**, titled "Cloud Computing," by Shri Sudhakar Kattupalli, IEEE Senior Member, Faculty of AI & DS Lakireddy Bali Reddy College of Engineering, about open source cloud computing and certified cloud professionals. 30 people joined.

- On **Jul 15, 2023**, ISF at **G Narayanamma Institute of Technology & Science for Women, (GNITS), Hyderabad,** held a mock interview for IV yr students. In ECE and F block, GNITS, 40 ECE and ETE students engaged in simulated interviews with 6 panels of 12 alumnae from different companies. Dr B Venkateshwarlu, HOD and alumni met 4th year students. Alumni interviewed students and evaluated their resumes and performance. They also advised students on resume preparation, technical, and communication skills to help them get major interviews. Event organization, theme, career benefits, and resource persons received average good ratings. Shri V Pratyusha, Lead ASIC Verification Engineer of Moschip

Semiconductors, spoke at GNITS' ISF unit's "Current Trends in Verifying Complex Chips" talk on **Aug 19, 2023.** The session covered VLSI, chip design's front and back ends, and Verilog. This event drew 156 participants primarily 3ʳᵈ and 4ᵗʰ-year students and 7 ECE/ETE instructors. The speaker, Dr K Ragini, Department Head, and faculty and students had a productive conversation. Participants rated the event's organization, theme, impact on their careers, and resource person highly. This evaluation emphasizes the event's well-planned theme, career-related benefits, and resource person's excellence. Senior Engineer, Mathwork Shri Ramana Reddy A, presented a seminar titled "Innovate utilizing Emerging Technologies" to ECE, EEE, and ETE instructors and students on **Aug 22, 2023**. Dr V Purna Chandra Reddy, Asst Prof ECW, GNITS, M Madhuri Latha, Y Rakesh Kumar, and V Purna Chandra Reddy, Asst Prof ECE, collaborated with assistance from Dr K Ragini, Prof and HOD, ECE, and Dr Renuka Devi S M, Prof & in-charge HOD. The session encompassed the utilization of MATLAB and SIMULINK tools, Ramp Program development, participation in MATLAB innovation challenges task contests linked to Github, and the creation of new projects. Real-time applications in the automotive, power grid, space, and medical sectors were also showcased. In determining the overall quality of an event, faculty and students offer feedback.

- On **Jul 18, 2023**, the **ECE Dept, Indus Institute of Technology & Engineering (IU & IITE), Ahmedabad, Gujarat** hosted a webinar titled "ASIC Chip Development Cycle: Semiconductor Is The Future!" Shri Ankit Gopani, lead design verification engineer at the Aimtron Foundation, served as the event's resource person. HoDs, faculty, and thirty students were in attendance. The seminar titled "Electromagnetic Radiation Awareness & Tower-Related Cyber Frauds" was inaugurated on **Aug 18, 2023**. Shri Rajeev Kushwah, Director, DoT, Government of India, was the distinguished chief guest. Attending were faculty members, HoDs, and twenty students**.**

- **ISF** at **ECE Dept, Vasireddy Venkatadri Institute of Technology (VVIT), Namburu, Guntur Dist** AP in association with IETE Vijayawada Centre conducted a guest lecture on **Jul 21, 2023**, where chief guest Er M V Rajasekhar, R&D Director, BEL Bangalore delivered a lecture on 'Defence Electronics'.

- **ISF** at **EC Dept, Manakula Vinayagar Institute of Technology (MVIT), Kalitheerthalkuppam, Puducherry, Tamilnadu** organized two-day workshop on 'Basic Soldering for Electronics' on **Jul 24 & 25, 2023**. 80 persons participated. ISF also organized a two-day workshop on 'Arduino Practice for Electronics' on **Jul 26ᵗʰ & 27ᵗʰ, 2023,** with 125 participants.

- **ISF** at **ECE Dept, Usharama College of Engineering & Technology (URCET), Telaprolu (V) Gannavaram, Krishna Dist, AP** in association with IETE Vijayawada Centre Conducted One Week Training Program on Data Analysis Using Python on **Jul 24-29, 2023**, where Ms K Meenakshi and Ms K Rubeena of APSSDC were resource persons.

- **ISF** at **ECE Dept, KKR KSR Institute of Technology and Sciences (KITS), Guntur**, AP organized one-week hands-on workshop on 'VLSI Front-end Designing', during **Jul 24-29, 2023**, where

students learnt designing of logo, posters, certificates, brochure, PPTs, banners and flyers. Held a seminar on 'Peer Learning on Graphic Designing' on **Aug 9, 2023**, followed by one-week hands-on workshop. 'Ideathon on IOT' held in conjunction with IETE Vijayawada Centre on **Aug 11, 2023**, where Dr Satyanarayana Chanagala, MD & CEO of MAGNI5 Pvt Ltd, was Chief Guest. Shri Gopal Ratnakaram, Founder & CEO of Api Rsquare (Pvt. Ltd) also graced the event.

- **ISF** at **Potti Sri Ramulu, Chalavadi Mallikarjuna Rao College of Engineering (PSCMRCET)**, **Vijayawada**, AP, organized a seminar on **Jul 26, 2023** on topic, 'Computing Models and its Applications' by Dr B Balaji, Asst Prof, CSE Dept, NIT Patna. Dr P Lakshmana Swamy, Secretary, Dr J Lakshmi Narayana, Principal & Dr A Ravi, HOD, ECE graced the occasion. The topics covered were :- Importance & Applications of Computing; Importance & Applications of Cloud, How to Utilize Cloud Computing in IT Sector, Cloud Computing Inventions in AI. One workshop on 'Analog IC Applications' was arranged on **Aug 3-5, 2023,** where Shri S Pradeep Kumar, Director Smart Home Industrial Solutions Pvt Ltd was the chief guest. Dr P Lakshmana Swamy, Secretary, Dr J Lakshmi Narayana, Principal & Dr A Ravi, HOD, ECE graced the occasion. The topics coverd were - Applications of Integrated Circuits and New Models Develop using Integrated Circuits. The ISF organized a seminar on **Aug 18, 2023** on 'Evolution of Optical Fiber Communication', where Sri B Bhaskar, Sub Divisional Engineer, BSNL-Guntur was the chief guest. Shri Gopal Ratnakaram, founder CEO of ApiRsquare Pvt Ltd, Dr P Lakshmana Swamy, Secretary, Dr J Lakshmi Narayana, Principal & Dr A Ravi, HOD, ECE graced the occasion.

- **ISF** at **IT Dept, Lal Bhai Dalpatbhai Engineering College (LDCE), Ahmedabad,** Gujarat, conducted a workshop on "RISC-V based Education Board" on **Jul 27, 2023** in association with e-Infochips. Shri Pranav Vyas (Assoc Director-e-Infochips), Shri Kunal Ghosh (CEO, VSD) and Shri Sharat Kol (vice-president, IESA) explained about the ongoing research in the area of VLSI. 75 students of the department and faculty members attended. Conducted an expert talk on 'Electromagnetic Radiation Awareness & Tower-Related Cyber Frauds' on **Aug 7, 2023** at the EC Department. The expert was Shri Ankit Kumar Sharma, Assist Director General, DoT, Govt of India. About 75 students, faculty members attended and alumni joined online. Conducted SAHYOG 2023 by the ECE Dept on **Sep 16, 2023,** where industry experts from various fields were invited to share their knowledge, experience, current industry projects and future prospectus and vision. The following experts interacted with the students and faculties: Shri Himanshu Patel, Division Head of Microwave Sensors Control Electronics Division at SAC, ISRO, Shri Chetan Shingala, Software Engineering Director at Cadence Design Systems, Dr Mihir V Shah, CTO SWASAU Technologies, Ex. HoD, LDCE, Shri Harshvadan J Jani, currently associated with 'Bharti Airtel & Shri Mayur Kalathiya, Plusnet Communications Pvt Ltd. 60 students and faculty members attended.

- **ISF** at **ECE Dept, New Prince Shri Bhavani College of Engineering and Technology (NPSBCET), Sembakkam, Chennai, Tamilnadu,** was inaugurated on **Jul 27, 2023** by Dr

Sowmiya Manoj, IETE Fellow Member, Asst Professor, Dept of ECE, Saveetha Engineering College and he delivered a guest lecture on 'Biometrics – The Future of Authentication'. 100 persons participated. Another seminar was organized on **Aug 23, 2023**, titled "Introduction to Cloud Computing" by resource person Shri Muthu Selwyn Gnanaraj T, senior manager-entreprise & cloud computing, Brilyant IT solutions Pvt Ltd, Bangalore. 125 persons participated. The seminar arranged on **Aug 30, 2023** was titled "Opportunities for Early-Stage Entrepreneurs" and conducted by Ms K Ramya Sathish ME, Founder, Proprietor, Fitness Trainer Nsquare fitness, Medavakkam, Chennai. 100 persons participated.

- **ISF** at **ECE Dept, VVP Engineering College (VVPEC), Rajkot,** organized 3-day conference on Semicon India 2023 held at Gandhinagar during **Jul 28-30, 2023,** "Charkha to Chips". ECE Dept of VVP Engineering College Rajkot and IETE Rajkot Centre hosted a great learning session on "Current Scenario of Electronics and Communication branch and required skill set for career grooming" on **Aug 3, 2023**. Er Dwijen Pandya, Managar, Qualcomm Banglore led the session. The session was informative for students. Conducted 'Technolution' on **Sep 1, 2023** focusing discussions held during Semicon India 2023. Students also implemented their thoughts and ideas for the manufacturing of semicon chips in India, also the requirement in various sectors of manufacturing semicon wafers.

- **ISF** at **ECE Dept, Rajalakshmi Engineering College (REC), Chennai, Tamilnadu,** organized a guest lecture on "Accelerators /Incubation Opportunities for Early-stage Entrepreneurs" by Ms Revathi M Managing Director, Magnitudo Technologies, Trichy on **Aug 2, 2023**. 56 persons participated. On **Aug 4, 2023**, a webinar titled "AI & Edge Computing" was arranged by Prof Harish R, an international faculty member in the Department of Computer Science and Engineering at King Khalid University in Abha, Kingdom of Saudi Arabia. There were forty participants. On **Aug 18, 2023**, Dr S Suganthi, Prof/ECE/REC, Ms D Sasirekha, Asst Prof (SG)/ECE/REC, Dr J Saranya, Asst Prof (SG)/ECE/REC, and Mrs Sushma S Jagtap, Asst Prof/ECE/REC organized a two-day workshop named "Texas Instruments Based Robotic System Learning -Product Development." A total of fifty participants attended. Shri S Kardeepan, Director of KWS Evaporators Private Limited Chennai, gave a guest lecture on "Business Model Canvas" at the invitation of the ISF in the ECE Department on **Aug 24, 2023.** Organized a two-day workshop on **Aug 28-29, 2023** titled, 'Real Time Applications in Lunch box Kit and FRDM-KL125Z–Prototype Design' by Dr B Priya Prof/ECE, Ms Arulmozhi M AP(SS)/ECE, Ms D Sasirekha, Asst Prof (SG, Dr J Saranya Asst Prof (SG). 25 persons participated. On **Sep 12, 2023**, Shri Seshagiri D, Scientist, Electronics and Radar Development Establishment (LRDE), Bangalore gave a guest lecture on "Defence Applications in Airborne Radars." On **Sep 26, 2023** the ISF invited Shri D Bharathi Pandian, a corporate trainer from Chennai, to give a guest lecture on "Foundations of Data Science, Power BI and Tableau." Held an invited talk on the topic of women-led enterprises and their potential future trends on **Sep 29, 2023**, by Ms Abirami, Founder and Chief Vision Officer of Greeniiac in Chennai, India, on the topic "Exploring Future Trends in Women-Led Startups."

- **ISF** at **EC Dept, Agni College of Technology (ACT), Thazhambur, Chennai, Tamilnadu** organized a seminar on **Aug 4, 2023 on** "Roadmap to Start-up and Career Opportunities". Shri K S Aswin Kumar, Director, Pereva Global Pvt Ltd. Chennai, offered a comprehensive overview of current trends in both technical and non-technical domains, outlining the steps necessary to launch a successful start-up in India. A quick overview of the startup eco-system was also provided by him. In this talk, he outlined the many programmes run by the Indian government that can help fund a new business's launch in the country. Students benefitted from his discussion of the necessary legal procedures for registering start-ups and strategies for overcoming certain obstacles. 73 persons participated. Ms K Elaiyarani Asst Professor, ECE Dept. lead the ECE Department's ISF Club Activity "Fire Bird Robot V ATMEGA 2560 Robot Control GUI for Working Robot in Wired Mode" on **Aug 12, 2023**. She began the talk by introducing the Fire Bird Robot in its wired version and its recent rise in popularity. She explained the Fire Bird Robot and GUI management in modern life. She also explained its value to engineers and communities. She summarized Indian research in this area and its expected outcomes. She introduced the Fird Bird Robot in wired mode, explaining how it converts analog to digital and digital to analog data. She demonstrated the Fire Bird Robot's practical use with hands-on exercises.

- **ISF** of **The School of Electronics Engineering (SENSE), Vellore Institute of Technology (VIT-AP)**, coordinated a Project Expo on **Aug 7, 2023**, in collaboration with the IETE Vijayawada Centre. Dr M Sucharitha, Dr M Krishnaswamy, and Dr B Hanumantha Rao from SENSE attended the event.

- **ISF** at **ECE Dept, SRM Valliammai Engineering College (SRMVEC), Kattankulathur, Tamilnadu** organized a seminar on **Aug 10, 2023** on 'Robotic Applications foraA Sustainable Future' by Dr S Lakshmi Narayanan, Director, MRL Technologies, Chennai. 114 persons participated. Organized a lecture on **Aug 31, 2023** on 'Global Impact of IoT and Emerging Technologies' by the resource person, Shri A Vignesh Kumaran, firmware developer, Pantech Solutions Pvt Ltd, Chennai. 112 persons participated,

- **ISF** at **ECE Dept, Sri Venkateswara College of Engineering (SVCE), Sriperumbudur, Tamilnadu,** commenced the 2023-24 academic year on **Aug 11, 2023**. Shri Arulmani Arunachalam, Senior Marine Engineer and subject matter expert, Shell Liquid Hydrogen, was the Chief Guest. He addressed the assembly and provided a technical presentation to 120 attendees titled "Engineering Innovation and Interdiscipline Process Engineering." On **Sep 23, 2023**, a workshop titled "Developing a ChatGPT-based Application Using Next.js" was coordinated under the guidance of Shri Rajavasanthan, Mentor at GUVI and Founder of Grids and Guides. There were 70 participants.

- **ISF** at **Velagapudi Ramakrishna Siddhartha Engineering College (VRSEC), Vijayawada, AP,** organized an intraactive event on 'Research Writing from Project to Publication' on **Aug 14, 2023.** Dr Ch Naga Raghuram, Dr B L Sirisha & Dr K Shri Ramtej were the resource persons. Dr D Venkata Rao, HOD, ECE, Dr G Suryanarayana, Dr K Vara Prasad and Shri B Hemanth Kumar graced the occasion.

- **ISF** at **ECE Dept, SRM Institute of Science and Technology (SRMIST), Chennai**, Tamilnadu organized a technical talk on **Aug 14, 2023** on the topic 'Exploring Tomorrow: Advanced Humanity on Earth, Space And Beyond' by Shri Raghu Vamsi Deepthimahanthi, Applied Research and Innovation Manager in MENAPS, France. 135 persons participated in the programme.ISF in collaboration with IETE Chennai Centre organized a workshop on **Sep 11, 2023,** titled 'Unlocking IoT Potential with Arduino' by Dr A Shirly Edward, Assoc Professor, and HoD, along with Mrs V Akila, Asst Professor. 45 students participated.

- **ISF** at **ECE Dept, Sri Ramakrishna Institute of Technology (SRIT), Coimbatore,** Tamilnadu organized a lecture on **Aug 18, 2023** on 'Low code, No code Platform' by Ms Senthamarai K Mahat Labs Pvt Ltd ISF coordinator and ECE Assoc Prof Dr A N Jayanthi greeted everyone. Shri S Munaf, ECE Asst Prof introduced the resource person. The expert explained and compared high-code, low-code, and no-code platforms. She explained how to use the platform and what projects may be done there. The resource person helped students clarify their questions. Ms AK Kavitha, Asstt Prof /ECE, proposed the vote of thanks. About 50 III yr ECE students benefited from this program. Scheduled **Sep 25, 2023** webinar on "Future Cellular Networks". Resource person was Dr S Sugumaran, ECE professor, Vishnu Institute of Technology, Bhimavaram, AP. ISF coordinator Assoc Prof Dr A N Jayanthi welcomed everyone. Shri S Munaf, ECE Asst Prof introduced the speaker. The resource person explained and compared communication networks. He also discussed real-time initiatives using cellular networks. The resource person helped students clarify their questions.

- **ISF** at **IT Dept, Dharmsinh Desai University (DDU), Nadiad, Gujarat** organized a webinar on 'Code Cruise: Navigating Git and sailing through GitHub' on **Aug 19, 2023.** This specific event introduced students to version control systems (VCS), focusing on Git and GitHub. The event integrated academic and hands-on learning for a complete experience. 50 students took part. Webinar on'Career Guidance & Future Scopes in IT' held on **Aug 21, 2023.** Shri Shiv Hansoti, Software Development Engineer, Amazon, Canada was the resource person. 30 students from IT and CE branch attended and gained knowledge about how to move for higher studies and which technologies to look forward for giant companies like Amazon. Another workshop was organized on **Aug 26, 2023** on 'Innovate to Integrate: DevOps Drive' by Shri Mehul Patel, an influential Open-Source Advocate and Community Manager. With rich experience as a Mozilla Reps Council Member and AWS community builder, Shri Patel discussed DevOps principles and the significance of Docker in software deployment. His insights into open-source contribution added a unique dimension, fostering an interactive learning environment for participants. 65 students participated. The ISF held other seminar on 'Blockchain Essentials: Understanding Fundamentals & Smart Contracts' on **Sep 16, 2023,** by Prof Kunal Sahitya. The event focused on equipping attendees with a comprehensive understanding of blockchain technology, its core principles, and practical applications, with a particular emphasis on Ethereum, the Metamask wallet, and a hands-on exploration of a lottery smart contract facilitated by the Prof Kunal Sahitya. 47

students participated. **Sep 2023** saw the enrollment of 46 new ISF students from DDU Nadiad under the IETE Ahmedabad Centre.

- The **ISF** at **ECE Dept** of **Sri Sairam Engineering College (SSEC), West Tambaram, Chennai, Tamilnadu**, hosted a seminar with the topic "Leveraging for Academia" on **Aug 19, 2023**. The speaker was Shri S Venkatraman, a Patent Analyst, Dept of Electronics of Dolcera Information Technology Services Pvt Ltd, Hyderabad. 135 people took part. On **Sep 12, 2023**, Shri Suresh Kumar S, Senior Engineer, Group Head, Fiber Optics, Antenna Feeds, Front End Systems, and RFI Mitigation Group, GMRT Observatory, NCRA-TIFR, Pune, inaugurated the Association's Inaugural Activities and Technical Seminar on "Communication System in Radio Astronomy GMRT." On **Sept 22, 2023**, there were celebrations for National Engineers Day. The session was led by the resource person, Ms Sarojini Maurya, Scientist D, NIOT, Ministry of Earth Science, Chennai.

- **ISF** at **EC Dept, Govt Polytechnic Chotaudepur**, **Vadodara, Gujarat,** arranged a webinar on 'Entrepreneurship Development' on **Aug 21, 2023.** 60 persons participated. A number of webinars were held *viz.*, 'Use of Sensors for Automation' on **Sep 5, 2023; '**Transformer Testing and Its Significance' on **Sep 6, 2023; '**Power System Protection based on Over-current Principle' on **Sep 25, 2023.** Techical visits were arranged to the Experience Center, Hitachi Energy TEC- Maneja, Vadodara on **Sep 26, 2023** with 30 participants; to (*i*) Inductotherm India Pvt Ltd, Sanand, Ahmedabad (*ii*) Amtech Electronics Pvt Ltd Gandhinagar and then (*iii*) Veeral Control Pvt Ltd. This was arranged by EC members with BE students of MSU, Faculty of Technology on **Sep 26, 2023** for 45 members**.**

- **ISF** at **Dept of ECE, Vignan's Institute of Engineering for Women (VIEW), Visakhapatnam**, AP organized Industrial Visit for 3rd year ECE Students to 'Micro, Small and Medium Enterprises (MSME)', under IETE VIEW Student Chapter on **Aug 24, 2023**. Arranged a guest lecture on **Aug 26, 2023** on 'Advanced Communication Techniques' by Shri R V Kiran Kumar, Scientist-E, NSTL who enlightened the participants on the use advanced communication techniques applications in wireless communication technology with career opportunities in various fields in ECE and highlighted the opportunities of self-employment in different sectors for women and guided them basic knowledge of PSUs. He encouraged the women participants to develop self-confidence by being aware of day -to-day advancements in missile technologies using different practical software applications. Conducted a two day workshop on 'Connect the Dot with Teck Team solutions', by Industry experts of K Mallesh & K Pradhu, Sr Embedded Developer, Teck Team Solutions on **Nov 1 & 2, 2023.** Conducted an event on 'Technical Quiz Connect' on **Nov 3 & 4, 2023.**

- A new **ISF** at **ECE Dept** at **Jerusalem College of Engineering (JCE), Chennai, Tamilnadu,** was inaugurated on **Aug 25, 2023** by Dr V Thulasi Bai, Chairman Chennai Centre, Professor, EC Dept, KCG College of Technology, Chennai .The Guest of Honour enlightened the students about professional bodies and the importance of being a member of a professional body in her address. She also shared the importance and applications of technology in the

diagnostics. Research perspectives in the field of telemedicine and its applications were presented. 150 persons participated.

- **ISF** at **EC Dept, Vivekanandha College of Technology for Women (VCTW), Elayampalayam, Tiruchengode,** Tamilnadu, organized guest lecture on 'EMI/EMC & Antenna Design' on **Aug 25, 2023** by Dr Suresh Kumar TR Assoc Prof, EC Dept, School of Engineering, VIT, Vellore. Ms V Deepika introduced the Speaker. He explained significance of EMI/EMC testing on some real time systems like aircraft, motors, and machines etc EMC standards and evaluation, immunity and susceptibility to EMI/EMC, antenna used for EMI testing. Ms Vaitheeswari proposed vote of thanks. Also held webinar on 'Design of Microstrip Patch Antenna Using Matlab' on **Sep 30, 2023.** Dr Ms P Mohana Sunthari, **A**sst Professor, ECE, KSR Institute of Engineering and Technology, Tiruchengode, was the Guest Speaker. The webinar covered an Overview of Microstrip Patch Antenna and Implementation and the Execution with the Matlab. In chief guest address, she highlighted upon the placement opportunity and employability. Prof (Dr) S Kuppuswami, Executive Director, Vivekanandha Educational Institutions graced the occasion. Vidhya Rathna, Prof (Dr) M Karunanithi, Chairman & Secretary**,** Vivekanandha Educational Institutions & Hospital, Tiruchengode & Sankari, presided over the function.

- **ISF** at **ECE Dept, St Peters Engineering College, Hyderabad, Telangana,** organized a two-day workshop on "IOT and its Applications" on **Sept 1 & 2, 2023**. Asst Prof G Bhaskar Phani Ram, Asst Prof P Venkanna, and Asst Prof D Madhusudan planned the program. During the first session, Dr Prasanna Kumar delivered a speech in which he discussed the work of the IETE Centre and provided an outline of the seminar's several sections. It was a thought-provoking event that promotes lifelong learning and keeping abreast of the most recent developments in IoT technology. By developing these abilities, people can help shape the future of technology and contribute to the creation of IoT solutions that deal with practical issues. There were 125 participants. **ISF** organised a 'Orphanage Donation camp' during **Nov 14, 2023**. In order to assist the Aashri Society Orphanage, Infinitirons (ECE DAC) launched the donation campaign. A notable proportion of the funds that were generated was designated for the enhancement of educational facilities, including the procurement of textbooks, school supplies, and assistance for educational programs. The allocated funds were utilized to improve the health of the children through the provision of nourishing meals, facilitation of healthcare access, and establishment of a sanitary living environment. A fraction of the contributions were allocated towards the establishment of recreational areas, the facilitation of extracurricular engagements, and the encouragement of the children's artistic and personal growth. Various measures were implemented to improve the standard of living in the orphanage. This encompasses renovations to residence halls, procurement of essential furnishings and linens, and overall enhancements aimed at establishing a welcoming and comfortable atmosphere. The funds that were raised were effectively and efficiently utilized to establish an enduring influence on the children's lives, instilling in them optimism, prospects, and a more promising future. On **Oct 15,**

2023, the ISF hosted a Guest Lecture by Mohamad Adil entitled "The Importance of Technology: A Journey through the Fascinating History of Technology." His emphasis on the revolutionary affects of technology, particularly computers, the internet, and smartphones, was consistent with the overarching discourse surrounding the digital revolution, which has significantly influenced the contemporary world. He emphasized the favorable consequences that technology has on individuals, the economy, and society as a whole. A guest lecture on "Importance of Upskilling 5G Technology" by Ms Saranya Thaniyamotu was arranged on **Dec 04, 2023.**

- **ISF** at **ECE Dept** at **SNS College of Technology (SNSCT), Coimbatore, Tamilnadu,** was inaugurated on **Sep 4, 2023.** By the chief guest Prof Prashant R Nair, Vice-Chairman of IETE Coimbatore Centre, and Head of IQAC at Amrita Vishwa Vidyapeetham. Mrs Kalaiselvi, Asst Prof, Dept of Mechtronics Engineering welcomed the attendees. In felicitation address by Dr P Vivekanandhan, Vice Principal (Acad), he emphasized how life skills are important to the students and their career. Prof Nair delivered an inspiring speech highlighting the importance of embracing new technologies in the ever-evolving field of electronics and telecommunications. He emphasized the significance of interdisciplinary collaboration among different departments, encouraging innovation and knowledge-sharing. His insights on the future of technology and the role of the ISF in fostering collaboration left a profound impact. Shri R Hari Prasanth, final year student presented action plan for the year 2023-24. Dr Prakash Thangavel, HOD, Dept of Mechatronics Engg proposed vote of thanks. 150 students participated. The unveiling of the official logo and recognition of office bearers added a sense of purpose and commitment to the forum.

- Newly inaugurated **ISF** at **ECE Dept of Mahendra College of Engineering (MCE), Salem, Tamilnadu**, presented a guest lecture titled "AI&ML in Engineering Applications" on **Sept 11, 2023**. The welcome address was delivered by HoD ECE and Prof Dr M Suganthi. Principal Dr N Mohanasundararaju delivered the Presidential address. He provided a concise overview of the subject matter and emphasized the significance of the ISFs. He urged the students to become IETE members and to take advantage of their membership benefits. The keynote speaker, Dr T Meeradevi, Chairman, IETE Erode Centre and Prof, ECE at Kongu Engineering College, Erode, was introduced by Dr M Karthikeyan, IETE Coordinator. Speaking to the ISF students, she talked about the newest technology, AI. The inaugural address then followed by the address of Dr C N Marimuthu Secretary, IETE Erode Centre, Prof-ECE, Nandha Engineering College, Erode. He talked about the benefits of having students' complete projects through IETE. There were 90 participants. The vote of thanks was proposed by Dr J Sampath Kumar, IETE Coordinator and Asstt professor in the ECE Dept.

- **ISF** at the **ECE Department of Navodaya Institute of Technology (NIT), Raichur,** coordinated a webinar titled "Trends in Bioengineering" on **Sep 11, 2023**. The presenter Ms Sushma Hallad, a biotechnologist based in Raichur, discussed various topics including biocomputing, bioimaging, and artificial intelligence for

disease diagnosis, biomining, and more. Dr M V Mallikarjuna, the Principal, officiated over the event. Dr E Channaveeramma extended a warm welcome to all in attendance. The convenor of the ECE, Dr K Venkatachalam, emphasized the significance of bioengineering and biomedical instrumentation. Professor Renuka Devi extended vote of thanks to every participant**. A total of 67 students and faculty members from NITR and other colleges participated.

- The seminar "Software Defined Network and Security" was organized by the **ISF** at the **ECE Department of Narula Institute of Technology (NIT) in Kolkata, West Bengal** on **Sep 13, 2023.** Prof Dr J K Mandal, a former Dean of the engineering faculty at Kalyani University and Vice Chancellor at Raiganj University, was an invited speaker at the session. Guests included Prof Subhram Das and Prof J Pal from the CSE Dept NIT. The group was welcomed by Prof Kaushik Sarkar, HoD ECE, NIT. The event was organized by Prof Sangita Roy, Nodal Head of the ISF, and Prof Arpita Santra. 'Technical Drawing Engineering for a Sustainable Future' was also the topic of a symposium that took place on **Sep 15, 2023.** In addition, Deans Academics Sourav Saha and Students Affairs Sambhu Nath Saha were in attendance. Chairman of the Electrical and Computer Engineering Department at NIT, Prof Kaushik Sarkar, delivered the welcome speech. In the drawing competition, students from all academic programs showcased their work and contributed significantly.

- **ISF** at **ECE Dept of Sri Sairam Insitute of Technology ,Chennai** organized a workshop on "Empowering the Future : A Hands on Guide to IOT and Cloud Intergration Smart Solutions" by chief guest Mr Asborn, Project Engineer, MRL Tech Solutions and Mr Somaasekar, Tech Lead,MRL Tech Solutions on **Sep 13,2023.**

- **ISF** at **Swami Keshvanand Insitute of Technology and Management (SKIT), Jaipur,** organised a one day workshop on 'Tinker Cad' on **Sep 13, 2023.**

- **ISF** at **Anand International College(AICE).Jaipur** organized a one day industry expert lecture on 'Designation and Stragetic Deal Market' on **Sep 14, 2023**

- **ISF** at **EC Dept, Pravara Rural Engineering College (PREC), Loni**, Maharashtra Pravara Association of Communication Engineers **(PACE)**, **Loni**, Maharashtra organized 'Quiz and Debate Competition' on the occasion of Engineers' Day held on **Sep 15, 2023** in the presence of Shri Rausaheb Ghuge, Director BAAP Services Private Ltd. The event aimed to commemorate Engineers' Day, a day dedicated to honoring the contributions and achievements of engineers worldwide. It provided an opportunity for E&TC engineering students to appreciate and showcase their knowledge in their field of study. Faculty members were felicitated for their contributions to the department and their exceptional teaching skills.

- **ISF** at **Dept of ECE, Dynashree Institute of Engineering,** **(**DIET**),** Satara, organized two events: 1) ISF Participatory Activity on Professional Ethics and Etiquette; 2) IETE Foundation Day Celebration on Pioneering Futuristic Technologies for India's Development. Mechanical Engineering expert Prof S P Jadhav gave a scholarly presentation for Engineers' Day on **Sep 15, 2023**. Guest speaker Shri M S Lakade, MD, Indradeep Information Technology Pvt. Ltd, Sangli, spoke during IETE Foundation Day at DIET, Satara. IETE Foundation Day was delebrated on **Nov 2, 2023**. The event was held for ETE, EE & CSE students. The day's topic was "Towards India's Development: Pioneering Futuristic Technology". The guest speaker was introduced by ISF Institute coordinator Shri U B Kharade after a cordial reception. At the IETE Foundation Day, Hony Dean R&D, Dr S P Kosbatwar, Hony Dean Student Activity Cell Dr S S Mulla, and Head, EE Dept Dr S U Bagwan stressed the importance of futuristic technologies for India's development in their brief speeches. The ISF meticulously arranged the event and followed Institute rules. Effective program implementation showed the organizing team's technical expertise. The guest lecture allowed students to examine technology's role in India's development and its future consequences. The respected speaker stressed the importance of technological growth and innovation. The talk inspired student debates and encouraged them to promote national technology. Total 132 students attended the event.

- **ISF** at **ECE Dept, Loyola – ICAM College of Engineering and Technology (LICET), Chennai,** Tamilnadu, organized Engineers' Day Celebration on 'Current Trends in Semiconductor Industry' by M VS Hariharan, Vice President, Human Resources & Business Development, Edveon Technologies, Chennai on **Sep 22, 2023**. 85 persons participated.

- **ISF** at **ECE Dept, Lords Institute of Engineering & Technology (LIET), Hyderabad,** Telangana, organized 'Orientation of ISF LIET' on **Sep 25, 2023**. Dr Shaikh Mohammad Rasool**,** HOD, ECE Dept welcomed the members the attendees and Faculty coordinator, Ms Sharea Takreem introduced the program. The event was graced by Dr R K Singh, Principal LIET, Mrs Rizwana Begum, Secretary LIET as chief guests and Prof Nuli Namassivaya, Chairman Hyderabad Centre as Guest of Honour. Prof Nuli Namassivaya explained on how IETE membership can create awareness regarding latest technology and help students to bridge the gap between course curriculum and current technology. Mrs Begum highlighted the importance of professional bodies. 100 students participated. A one-day Industrial visit to 'LED Chip Indus Pvt Ltd, Kushaiguda, Hyderabad, Telangana' was organized on **Nov 4, 2023** for 2nd year EC students. Established in 1987, as Kwality Electronic Industries, it transformed into a leading manufacturer of LED displays and power LEDs for solid state lighting. Principal Dr R K Singh and HOD of EC Dept, Dr Shaik Mohammad Rasool and two staff members, Asst Prof Mr D Sounder, Asst Prof Md Touseef Sumer ECE facilitated. Students observed step-by-step manufacturing processes involving pin pressing, dye burning, oven heating, wire connection between tracks, encapsulation, dipping, testing & packaging besides complete procedure of manufacturing of LED's from CNC automated machines.

- **ISF** at **Dept of ECE, Dr B C Roy Engineering College, Durgapur (BCREC), WB** was inaugurated in Advance Prototype Laboratory, Dept of ECE, on **Sep 26, 2023** by Dr Anindya Bose, Chairman, IETE sub-Centre, Burdwan. Dr Debipriya Dutta, Coordinator, ISF, BCREC, Durgapur welcomed all students, teachers, professors

and dignitaries. Important dignitaries attended Principal, Vice principal, registrar, HOD (ECE), HOD (DS), HOD (AIML) and faculty, professors, IETE life members and student members of Dr BC Roy Engineering College attended the event. Dr Anindya Bose, spoke on 'About IETE and IETE Students Forum. Shri Sudipta Singha, Chairman, ISF BCREC proposed vote of thanks. 85 persons attended. A Poster Presentation competition on "Recent Trends of Emerging Technology" was arranged by the ISF & the College on **Sep 26, 2023**. The Chief Guest of the event was Dr Anindya Bose, Chairman, IETE Sub-Centre, Burdwan. Dr Debipriya Dutta, Coordinator IETE Student Forum BCREC, Durgapur welcomed all the students, participants, teachers, professor and dignitaries. The number of participants was 55. Dr Sudipta Singha, Chairman, ISF BCREC Chairman, proposed vote of thanks. A seminar on "Emerging Technology and Role of Leadership" by Shri Sameer Jain, GM, DSP, Durgapur was conducted in the Albert Einstein Seminar Hall of Department of ECE, Dr BCREC, Durgapur, West Bengal on **Sep 27, 2023**. Important dignitaries attended were: Principal, Vice principal, registrar, HOD (ECE), HOD (DS), HOD (AIML) and faculty, professors,

- The **ECE Dept, CARE College of Engineering Trichy**, Tamilnadu in association with IETE and IEEE CARE student branch organized AICTE sponsored 'International Conference on Information and Communication Engineering' via online mode on **Sep 27-28, 2023**. The conference received an overwhelming response, with a total of 83 research papers submitted for consideration. Out of the 83 submissions, a rigorous and impartial selection process identified 45 papers of exceptional quality to be presented during the conference. These papers covered a wide range of topics and represented significant contributions to the field of Electronics, VLSI design, Antenna Design, Communication Systems, Machine Learning and Data Analytics in Communication Systems, Internet of Things (IoT) applications. Final-year ECE student Ms Afrose Jamila welcomed attendees to the conference. Dr S Shanthi, Principal of CARE College of Engineering, Trichy, and Dr A Pasumpon Pandian, Dean of R&D, generously hosted this event. Dr J Jeyarani, Prof & HoD EE, then gave the conference report and welcomed everyone again. The keynote speaker was Scotia Bank Director Dr V Padmini from Ontario, Canada. She stressed the necessity of innovation in Information and Communication Engineering in her speech. Her address set the conference's topic and stressed the importance of cutting-edge technology in changing the our world. Dr MK Prasad, a Senior Leader at Amazon Web Services (AWS), New York, gave an inspiring lecture. His speech focused on 5G and beyond technology and AI's revolutionary role in our future. The conference ended with a ceremony honoring the successful sharing of ideas and new partnerships. Mrs R Deepalakshmi, AP-ECE, Conference Coordinator, and Dr J Jeyarani, Professor, Department Head, thank all participants and sponsors for making the event a success.

- **ISF** at **ECE Dept, Mepco Schlenk Engineering College (MSEC), Sivakasi, Tamilnadu** organized workshop on 'Arduino and its Interfacing' on **Sep 30, 2023** for the III ECE students. Asst Prof J Dani Reagan Vivek, Asst Prof V Arun Raj, Asst Prof R Varun

Prakash, Asst Prof Mrs R Kamaladevi, of the college explained the fundamentals of Arduino and provided hands-on training on interfacing with various sensors. They demonstrated Arduino hardware and Arduino programming, giving brief information about the Arduino boards such as Leonardo, Due, Micro, LilyPad, Esplora, Uno and its functioning & capabilities. They also revealed open source software(s) available for training and learning. Students practiced with LED blinking, reading temperature with a sensor etc. Around 130 ISF members attended. **ISF** organized a Guest Lecture on "Digital Circuits and CAD Tools" on **Nov 22, 2023** for the II ECE students by Shri Balaji Kaliraj, Hardware Engineering Manager, Google Inc, Bangalore. The function was presided over by Dr R Shantha Selvakumari, senior professor & HoD. Faculty advisors Dr A Kamaraj, Assoc Professor/ECE & Mrs V Gnanalakshmi, AP (Sr Grade)/ECE arranged this session. Ms Sanjana Herald, ISF member welcomed the gathering and Ms Ilakkiya J, ISF member introduced the guest speaker who elucidated the foundational concepts of digital logic, and their application in circuit design and emphasized the significance of designing circuits using Computer-Aided Design (CAD) tools and their pivotal role in simplifying the process of digital circuit design. The participants got many clarifications from the speaker after the session. Around 190 students got benefited by this event and they found it to be extremely informative.

- **ISF** at **EC Dept, Guru Nanak Dev Engineering College (GNDEC), Ludhiana,** Punjab organized the event 'Designing the Future Today: e-Vision' on **Oct 6, 2023**. Coordinators were Dr Narwant Singh Grewal, Dr Munish Rattan, and Prof Shivmanmeet Singh, while judges were- Prof Simranjit Kaur, Prof Harminder Kaur, Prof Navneet Kaur, Prof Gurpurneet Kaur, Prof Chahat Jain, Prof Daljeet Singh, Prof Kunwar Pratap Singh, Prof Kuldeepak Singh, Prof Baljit Kaur, Prof Harleen Kaur, Prof Shivmanmeet Singh, Prof Gurjot Kaur, Prof Ravneet Kaur, Prof Preeti Pannu. The program began with Guru Nanak Dev Ji and Moolmantar teachings. IETE Immediate **Past President Prof P Prabhakar, S Inderpal Singh,** Director Nankana Sahib Education Trust, Principal **Dr Sehijpal Singh**, HoD of Electronics and Communication **Dr Narwant Singh Grewal,** and ISF Student Coordinator **Dr Munish Rattan** shared their insights and inspired. In the first event, Dr Baljeet and Dr Gurpurneet Kaur judged the "Paper Presentation." Presented technologies included 5G, wireless, optical, cognitive radio, robots, IoT, machine learning, software computing, cyber-security, power systems, and more. Research papers were presented by participants. Next came 'Candid Captures', a fun event judged by Prof Simranjit Kaur and Prof Harleen Kaur with student organizers Dhairya Sobti and Rabnoor Kaur. Dr Navneet Kaur and Prof Shivmanmeet Singh evaluated the following event, "Quest for the Chest," which had "riddles to decode," with student coordinators Chandrika Paul and Manohar Jha. It had catchy and attractive riddles to decipher, and participants did their best to decipher places in their college to reach the finale and win the chest. Student Coordinators Upmeet Kaur and Simranjeet Kaur led 'Tech Trifles'. This technical contest was exciting and competitive, testing expertise. It is a three-round technical contest that teaches students technical language and tests

their engineering knowledge. The event judges were Prof Kuldeepak Singh and Prof Kunwar Pratap Singh. Student coordinators Nirbhay Singh and Amanpreet Kaur led 'K.oding.' This event promoted new and experienced coders. All were welcome. Event judges were Prof Gurjot Kaur and Prof Daljeet Singh. Next was 'Techzibition' led by Student Coordinators Nampreet Singh, Ritu Pandey, Satnam Singh, and Poonam. This exhibition featured student creations. Finally, 'Open Mic' was a fantastic event that was a no-brainer to attend and ended the day.

- **ISF** at **ECE Dept, Charottar Institute of Technology (CHARUSAT) Anand, Gujarat,** organized Poster competition titled 'Antenna Theory to Practice' in association with the IETE Vadodara Centre and the IETE-ISF CHARUSAT at Charotar University of Science & Technology (Charusat) in Changa, Anand, Gujarat on **Oct 9, 2023**. This competition aimed to provide participants with an opportunity to explore a wide range of topics related to antennas and their applications in various communication systems. Topics included slot antennas, microstrip antennas and smart antennas. Seventeen groups prepared and presented posters, which were assessed by Dr Trushit Upadhyaya, Principal (CSPIT) and Prof (EC), and Dr Upesh Patel, Head and Assoc Prof (EC) at CSPIT, Charusat. Dr Poonam Thanki & Dr Kanwar Preet Kaur, Asst Professors coordinated. Winners were awarded with certificates and cash prizes.

- **ISF** at **ECE Dept, Anil Neerukonda Institute of Technology & Sciences (ANITS), Vishakhapatnam, AP,** held a guest lecture on **Oct 13, 2023** by Dr Puli Kishore Kumar, Asst Prof, NIT, Andhra Pradesh, Tadepalligudem on topic,' Modern Radar Signal Processing'and it covered in detail the fundamentals of radar and the signal processing that is used in it. Additionally, the speaker talked about the different radars that are utilized depending on the application and the different signal processing methods that are used to the target's signal once it is received. The guest lecture was attended by 137 ECE department III/IV students in total. Dr B Jagadeesh, the HoD presented Dr Puli Kishore Kumar with a felicitation.

- A new Student Forum **(ISF)** was inaugurated at **JSPM Narhe Technical Campus (JSPM-NTC), Narhe Pune**, Maharashtra, on **Oct 17, 2023.** The principal guest, Prof Dr Sunil Somani, Treasurer of the Pune Centre, gave a thought-provoking speech titled "IoT and 5G Convergence: Transforming the Future of Connectivity." The event was graced by Dr Sajid Shaikh, Asst Prof, Prof (Mrs) M P Hajare, IETE coordinator, Dr M M Sardeshmukh, HoD E&TC Dept, and other faculty members. The badges were given to the members of the ISF committee. IETE Pune's Hony Treasurer, Prof Somani, was a distinguished speaker who enlightened the audience with a compelling address about the convergence of 5G and IoT and the future of connectivity. His knowledge and enthusiasm for the topic inspired and informed everyone. In conclusion, the JSPM Narhe, Pune, IETE inauguration was a huge success.

- **ISF** at **Hyderabad Institute of Technology and Management (HITAM), Hyderabad,** was inaugurated on **Oct 18, 2023** by Chief Gest, Prof Nuli Nammasivaya and guest of honour Shri

A K Sangamker. A technical talk on 'Quantum Computing' was delivered on **Nov 25, 2023** by Dr Jayasri Dontabhakutani, Assoc Prof, Mahindra University and Founder & CEO of Qmatter Labs LLP, Hyderabad. Quantum computing is the latest and greatest in technology. It uses the rules of quantum physics to do calculations at speeds that are unimaginable by regular computers. Ideas like qubits, superposition, and entanglement make it possible to handle huge amounts of information at the same time. Photons, electrons, and ions are some of the tiny things that quantum computing uses to store and send digital information. A quantum bit is a two-state device that can store information in a single bit. A normal computer bit can only be 0 or 1, but a qubit can be in more than one state at the same time. Quantum computers get a lot more powerful as they get more qubits. There were 100 participants.

- On **Oct 20, 2023**, a new **ISF** was opened at the **E&TC Dept of the SNJB (Jain Gurukul) SNJB Late Sau Kantabai Bhavarlalji Jain College of Engineering, Chandwad, Nashik, Maharashtra**. Dr D M Chandwadkar, Chairman IETE Nashik Centre, was invited as the chief guest. Dr Parag Kulkarni, winner of the 2019 IETE K R Phadke Award for innovative study and business, gave an online expert lecture. "Generative Modelling and Choice Computing: Decoding Humanized Artificial Intelligence" was the title of his talk. 55 people came to the expert talk.

- **ISF** at **Dept of E&TC Engg, STES' Singhad Institute of Technology & Science, SITS Narhe, Pune,** organised a workshop on PCB Design and Development from **Oct 26 -Nov 1, 2023.** Technical sponsorship for the workshop was provided by the Pune center in collaboration with Transfer Technology Solutions Ltd. Shri Santosh Poddar, CEO, TTSL, served as the resource individual. In the event, 164 students designed PCBs for circuits including FET amplifiers, voltage regulators, and operational amplifiers. Ms S R Khande and Mrs T S Mane coordinated this occasion under the direction of Dr V M Rohokale, HOD E&TC, SITS, Narhe.

- Together with Lorven Edtech, Hyderabad, the **ISF** at **Dept of ECE, Vignan's Institute of Information Technology VIIT (A), Visakhapatnam,** conducted a workshop on 'Mastering the Data Structures' on **Oct 30-Nov 4, 2023,** Trainer Ch Bharadwaja of Lorven Edtech, Hyderabad, enlightened the attendees regarding the application of data structures in the resolution of problems. He addressed numerous subjects, including linked lists, graphs, and trees associated with data structures. Students acquired knowledge of programming LMS platforms, including Leat Code, Hacker Rank, and Geeks for Geeks. On **Nov 10, 2023**, an industrial visit was arranged for 104 third-year BTech students at the Satish Dhawan Space Center (SDSC) SHAR, AP. Founded by the Government of India and involved in the launch complexes, the Indian Research Organization, Department of Space offers comprehensive support for vehicle assembly, fueling, inspection, and launch operations. In addition, it is equipped with apparatus for the deployment of sounding rockets, which are specifically designed to conduct investigations of the Earth's atmosphere. They visited the Space Museum, SHAR Library, Launch Pads 1 and 2, Static Test Centre, Mission Control Centre, and Launch Control Centre as part of this excursion.

News from Professional Activity Centre (PAC)

➢ **IETE Trivandrum Nagercoil PAC, Nagercoil**

- **International Industry Academia Conference** (IIAC 2023) was organized by IETE Trivandrum Nagercoil PAC in collaboration with IE(India), Kanyakumari Local Centre, IET Kanyakumari Local Network, and Riyasaa Labs-Center for Innovation at Hotel Singaar International, Kanyakumari, on **Sept 9, 2023**. **Dr S Arumuga Perumal**, Chairman, Nagercoil PAC, delivered the welcome address, which was followed by **Dr Alan Lim**, Singapore University of Social Sciences (SUSS), Singapore, delivering the keynote address. The event was attended by esteemed individuals such as His Excellency, UNESCO Laureate and World **Distinguished Professor Sir Bashiru Aremu**, Vice Chancellor of Crown University International Chartered Inc. USA, **Dr Robin Thomas**, CEO of Olive IIOT, Chennai, and **Er A Venkat Subramanian**, Singapore. The Proceedings of IIAC 2023 were released, thirty-three research papers were presented by scholars, and thirty-three participants registered. Following the National Anthem, **Er S Natarajan**, Hony Secretary of IEI KKLC, extended his vote of thanks.

- A **specialized seminar** titled **"Optical Camera Communication – A Subset of LiFi"** was conducted by IETE Nagercoil PAC in collaboration with the IEI Kanyakumari Local Centre on **Dec 4, 2023**, via Google. **Dr S Arumuga Perumal**, Chairman of the Nagercoil PAC, IETE Trivandrum, delivered the welcome address. All in attendance were cordially welcomed, including the keynote speaker, **Er Chakaravarthi Narasimman Srivathsan** representing Nanyang Technological University, Singapore, and the other distinguished guests. Following that, the keynote speaker delivered a thought-provoking lecture entitled **"Optical Camera Communication: A Subset of LiFi."** Through the lecture, the speaker elucidated the fundamental principles of Optical Communication and LiFi, while also demonstrating to the audience a multitude of LiFi applications. The information was delivered through a meticulously organized slide show, complemented by an abundance of illustrative instances.The seminar was concluded with the vote of thanks, which was presented by **Dr M Marsaline Beno,** Hony Secretary of IEI Kanyakumari Local Centre.

- An additional webinar entitled **"Soil and Water – A Source of Life"** was conducted on **Dec 5, 2023**, in partnership with the IEI Kanyakumari Local Centre. The assembly was welcomed by **Dr M Marsaline Beno**, Hony Secretary of the IEI Kanyakumari Local Centre. Additionally, he introduced the resource person, **Dr J Prakash Arul Jose**, Principal Annai College of Engineering & Technology, Kumbakonam. Dr J Prakash Arul Jose enlightened the audience on the aforementioned subject by elucidating fundamental concepts and demonstrating numerous practical applications of soil and water. The individual employed a meticulously organized PowerPoint presentation to communicate the information, substantiating his assertions with an abundance of illustrative instances. The event was coordinated by the IETE Nagercoil PAC Chairman, **Dr S Arumuga Perumal**. The vote of thanks was proposed by the Hony Joint Secretary of the IEI Kanyakumari Local Centre, **Er P Gopal**.

NOTE OF ATTENTION

The IETE Governing Council has made the decision to discontinue honorarium payments to corresponding authors of articles accepted for publication in the IETE Journal of Education, effective January 2024. This resolution was adopted at the 2nd Governing Council Meeting of 2023-24, which took place in New Delhi during December 2-3, 2023.

New IETE Members Enrolled/Upgraded during 1st September to 31st December 2023

S.N.	Mem	Cat	Name	S.N.	Mem	Cat	Name	S.N.	Mem	Cat	Name	S.N.	Mem	Cat	Name
1	503980	Am	Bhattacharjya, Tanbhaba	75	503992	F	Madhu Mohan Babu, P	149	504110	F	Singh, Rajan, Dr	223	504042	M	Reddy A Basi
2	503981	Am	Bhegade, Ravindra K	76	503993	F	Sarkar, Bidyut	150	504111	F	Sridhar B, Dr	224	504052	M	Jose, Jobin
3	503982	Am	Kale, Ashvini H	77	503994	F	Singh, Gurjeet	151	504112	F	Sista, Venkata S P, Dr	225	504053	M	Rathod, Vishal J, Dr
4	503988	Am	Narule, Swati C	78	503995	F	Hossain, Ashraf, Dr	152	504113	F	Sridhar W	226	504071	M	Swati
5	503990	Am	Chaudhari, Deepak Uttam	79	503996	F	Govinda Raju M, Dr	153	504114	F	Radhika R	227	504072	M	Bangar, Rashmi
6	504034	Am	Gore, Hanmant S	80	503997	F	Parati, Namita, Dr	154	504115	F	Sheeba S, Dr	228	504073	M	Kudambal, Preeti
7	504054	Am	Prakash R	81	503998	F	Madhulika Y, Dr	155	504116	F	Kumaresan S	229	504074	M	Sharanabasappa
8	504094	Am	Mutta, Prashant	82	503999	F	Shanthi M	156	504117	F	Leones Sherwin Vimalraj S, Dr	230	504075	M	Math, Annapurna
9	504095	Am	Kori, Kaveri	83	504000	F	Sreehari S	157	504118	F	Manimala G, Dr	231	504076	M	Mallamma
10	504096	Am	Sharanagouda	84	504001	F	Kulkarni, Yogesh Madhukar	158	504119	F	Baskaran M, Dr	232	504077	M	Sidramappa C
11	504097	Am	Tripathi, Anubhav	85	504002	F	Mohanaiah P, Dr	159	504120	F	Kavitha M, Dr	233	504078	M	Patil, Anandkumar G
12	504164	Am	Kumar, Manoj, Dr	86	504003	F	Apparao Pns	160	504121	F	Ashok Raj M, Dr	234	504079	M	Biradar, Mallanagouda S, Dr
13	504165	Am	Phaneendra K, Dr	87	504004	F	Borah, Subasit, Dr	161	504122	F	Kulkarni, Anuradha Prasad	235	504080	M	Mathapati, Nagalingayya M, Dr
14	504166	Am	Pathak, Mudit	88	504005	F	Bhaskar Reddy B, Dr	162	504123	F	Suguna T, Dr	236	504081	M	Patil, Bhimaraya S
15	504167	Am	Irlapati, Pramod Kumar	89	504006	F	Tyagi, Reeti Manjary	163	504124	F	Sultana S	237	504082	M	Dangi, Anil Ashok
16	504168	Am	Kondala Rao P	90	504007	F	Sharma, Rajeev, Dr	164	504125	F	Punitha A, Dr	238	504083	M	Pushpalata
17	504169	Am	Manjari Benhar P	91	504008	F	Sangeetha C S	165	504126	F	Suganthi S, Dr	239	504084	M	Hiremath, Rashmi K, Dr
18	504170	Am	Jaya Lakshmi, G G S	92	504009	F	Marupaka, Divya	166	504127	F	Kavitha A, Dr	240	504085	M	Badiger, Prasanna Kumar
19	504171	Am	Prasanthi R	93	504010	F	Melingi, Sunil Babu, Dr	167	504128	F	Balraj B, Dr	241	504086	M	Vishwanath
20	504172	Am	Srirama Murthy B	94	504011	F	Datla, Rajeshreddy, Dr	168	504129	F	Sandhyarani M, Dr	242	504087	M	Shivalingappa H
21	504195	Am	Shinde, Rohan Pradeep	95	504012	F	Kalra, Shruti, Dr	169	504130	F	Sampath Kumar P, Dr	243	504088	M	Shalini
22	504196	Am	Kumar, Deepak	96	504013	F	Hankare, Priya Tushar, Dr	170	504131	F	Arjun Reddy K	244	504089	M	Patil, Kalyanrao G
23	034314	F	Veera Swamy, P	97	504014	F	Beniwal, Ruby, Dr	171	504132	F	Sharma, Vandana	245	504090	M	Reddy, Manjunath
24	069179	F	Chawla, Sandeep Kumar	98	504015	F	Pal, Mahua Nandy, Dr	172	504133	F	Hema D, Dr	246	504091	M	Sridhar Anakal
25	087254	F	Murali Krishna, A	99	504016	F	Kakade, Amol Ambadas	173	504134	F	Gupta, Atul	247	504092	M	Shaik, Mahammad Rasool, Dr
26	099660	F	Ranga Rao M, Dr	100	504017	F	Madhu Babu M, Dr	174	504135	F	Tata, Subhashini, Dr	248	504093	M	Pandian, Poornima
27	129367	F	Ranjan, Prabhat	101	504018	F	Sharma, Anesh Kumar, Dr	175	504136	F	Edla, Damodar Reddy, Dr	249	504141	M	Manjunathan A
28	131638	F	Sheeja V Francis, Dr	102	504019	F	Chiranjivi M, Dr	176	504137	F	Autee Rajesh M, Dr	250	504142	M	Revathi G
29	136395	F	Chauhan, Brajlata, Dr	103	504020	F	Kulkarni, Rajesh H, Dr	177	504138	F	Wadhekar, Arti Ram, Dr	251	504143	M	Kiruthiga B
30	140898	F	Ajas K M	104	504021	F	Srinivas S	178	504139	F	Vamsi Krishna, T	252	504144	M	Deepa J
31	150519	F	Brindha S, Dr	105	504022	F	Debbarma, Sunita	179	504140	F	Mittal, Mohit	253	504145	M	Raja M
32	152244	F	Bhattacharyya, Bodhisatta	106	504023	F	Kanaka Durga B, Dr	180	504152	F	Sarawgi, Gagan	254	504146	M	Jaba Deva Krupa A
33	155584	F	Deshpande, Manoj M, Dr	107	504035	F	Senthamil Selvan R, Dr	181	504173	F	Singh, Gaurav	255	504147	M	Monika R
34	159995	F	Balivada Rajesh	108	504036	F	Nalla, Srikanth	182	504174	F	Thammareddi, Latha	256	504148	M	Singh, Indrasen, Dr
35	160392	F	Sridhar K V, Dr	109	504037	F	Verma, Sushil Kumar	183	504175	F	Vaghela, Neeraj D	257	504149	M	Tripathi, Abhishek N, Dr
36	165716	F	Choudhari, Pranali C, Dr	110	504038	F	Vardhan, Manu, Dr	184	504176	F	Ghosh, Anumoy, Dr	258	504150	M	Arthy P S
37	183822	F	Doshi, Kalpesh	111	504039	F	Nitai Pal, Dr	185	504177	F	Suram, Raghuvardhan Reddy	259	504151	M	Uma M, Dr
38	183825	F	Sumathi K, Dr	112	504040	F	Kalidas Yeturu, Dr	186	504178	F	Jayadev Anand A K	260	504153	M	Nishanth Rao K, Dr
39	198894	F	Tripathy, Malay Ranjan, Dr	113	504044	F	Koli, Sanjay Mahadev, Dr	187	504179	F	Damodarrao Thakkalapelli	261	504154	M	Revathi M
40	200018	F	Velvizhi V A, Dr	114	504045	F	Srinivas V	188	504180	F	Bhanushali, Amit	262	504155	M	Karthik Reddy G, Dr
41	208773	F	Sri Devi Ponmalar P, Dr	115	504046	F	Chaudhary, Kalpana, Dr	189	504181	F	Singh, Navdeep, Dr	263	504156	M	Phani Kumar C, Svmg
42	209800	F	Neelabh	116	504047	F	Saket, R K, Dr	190	504182	F	Anupama K	264	504157	M	Singh, Pulkit, Dr
43	213445	F	Ch Ravi Kanth	117	504048	F	Siva Perumal S, Dr	191	504183	F	Ponnan, Suresh, Dr	265	504158	M	Kiran Chand R, Dr
44	217086	F	Kundra, Anil Kumar, Col.,	118	504049	F	Javed Mohd, Dr	192	504184	F	Gadani, Naimil Navnit	266	504159	M	Syedakbar S
45	217728	F	Srivatsa S	119	504050	F	Kar, Pushpendu Kar, Dr	193	504185	F	Biswas, Anjanava	267	504160	M	Naru, Divya Jyothi
46	222248	F	Grewal, Narwant Singh, Dr	120	504051	F	Singha, Souvik	194	504186	F	Singh, Kulbir	268	504161	M	Sreevidya K
47	222249	F	Rattan, Munish, Dr	121	504055	F	Pillai, Preeti J	195	504187	F	Sreenivasa, S K Sunku	269	504162	M	Aksa Rani K
48	223262	F	Chopade P B, Dr	122	504056	F	Narla, Nandita Rao	196	504188	F	Srinivasan, Pranesh	270	504163	M	Maheswari K
49	229965	F	Lakshmi Joshitha K, Dr	123	504057	F	Parah, Shabir Ahmad, Dr	197	504189	F	Lakshmanan S	271	504191	M	Choudhary, Dilip Kumar, Dr
50	230251	F	Manikandan J, Dr	124	504058	F	Naga Lakshmi, E V	198	504190	F	Gadekar, Prajeet Someshwar	272	504192	M	Maurya, Naveen Kumar, Dr
51	233981	F	Hulle, Nagnath B, Dr	125	504059	F	Ramesh Babu V, Dr	199	504197	F	Kumar, Rajeev Ranjan	273	504193	M	Ghanti, Basanti G, Dr
52	236120	F	Ramya A	126	504060	F	Chaparala, Sreelakshmi	200	504198	F	Pandi, Senthilkumar	274	504194	M	Shrigiri, Shilpa B
53	236235	F	Agrawal, Divya, Dr	127	504061	F	Baliyan, Niyati, Dr	201	504199	F	Shah, Siddharth	275	503963	M	Swathi A V S, Dr
54	236239	F	Uma Kumari C R, Dr	128	504062	F	Choubey, Dilip Kumar, Dr	202	236761	M	Rajprakash, H G, Dr	276	G00661	Org	Rajarshi Shahu Maharaj Polytechnic, Nashik
55	236505	F	Srinivasarao K, Dr	129	504063	F	Mehta, Gulshan, Col	203	500941	M	Mahato, Somnath, Dr				
56	237453	F	Arunsundar S	130	504064	F	Abdul Azeez	204	503972	M	Roja V, Dr	277	G00662	Org	Dhanekula Institute of Engineering and Technology, Vijaywada
57	501469	F	Rai, Dheeraj Kumar	131	504065	F	Arya, Anoop, Dr	205	503973	M	Sivaganesh Golla				
58	502060	F	Arun M	132	504066	F	Chalapathi Rao Y, Dr	206	503974	M	Srinivas, Mallimoggala	278	G00663	Org	Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering, Vijaywada
59	502916	F	Baljeet Kaur, Dr	133	504067	F	Atla, Vijayalakshmi, Dr	207	503975	M	Hari Krishna K				
60	503964	F	Srinivas M S S S, Dr	134	504068	F	Kumar, Vijay, Dr	208	503976	M	Panda, Sanjaya Kumar, Dr	279	G00664	Org	Bapatla Engineering College, Guntur
61	503965	F	Dhanvijay Mrinai M, Dr	135	504069	F	Mohite, Trupti	209	503977	M	Sharma, Ravi Shanker				
62	503966	F	Pulle, Ravi Sankar	136	504070	F	Chatterjee, Samiran, Dr	210	503978	M	Ingale, Pallavi P, Dr	280	G00665	Org	Teegala Krishna Reddy Engineering College, Hyderabad
63	503967	F	Dagwar, Shubhangi Lohakpure	137	504098	F	Muthu P, Dr	211	503979	M	Chandra Kantha Rao, S				
64	503968	F	Hyma Lakshmi, T V, Dr	138	504099	F	Dhanalakshmi S, Dr	212	504024	M	Kawale, Seema Bhagwan	281	G00666	Org	Vellore Institute of Technology, Vellore
65	503969	F	Phadke, Anuj Prakash	139	504100	F	Suhasini S, Dr	213	504025	M	Sangwan, Vivek, Dr				
66	503970	F	Patel, Kaushik Kumar	140	504101	F	Latha S, Dr	214	504026	M	Korada, Prasanna Kumar, Dr	282	G00667	Org	Mother Teresa Institute of Science and Technology, Telangana
67	503971	F	Joseph Thanaraja A	141	504102	F	Marathe, Dipak S, Dr	215	504027	M	Bhaskar Phani Ram G				
68	503983	F	Sahay, Gaurangi	142	504103	F	Parish Venkata Kumar K, Dr	216	504028	M	Narender K, Dr	283	G00668	Org	Ideal Institute of Technology, Kakinada
69	503984	F	Sahay, Peeyush, Dr	143	504104	F	Polepogu, Rajesh, Dr	217	504029	M	Sajith K, Dr				
70	503985	F	Pillai, Arunkumar V	144	504105	F	Thejaswini P, Dr	218	504030	M	Ravi G				
71	503986	F	Pagrut, Gopal	145	504106	F	Shrivsatava Yogesh, Dr	219	504031	M	Prashar, Mekee Kumar				
72	503987	F	Bodicherla, Vikram	146	504107	F	Chakraborty, Tanmoy, Dr	220	504032	M	Sangoju Madhavi				
73	503989	F	Kulkarni, Sameer Vasant	147	504108	F	Arulananth T S, Dr	221	504033	M	Varshney, Prashant Kumar, Dr				
74	503991	F	Rangineni, Sandeep, Dr	148	504109	F	Laxma Reddy D, Dr	222	504041	M	Singh, Aditya Kumar, Dr				

AM = Associate Member   **F = Fellow**   **M= Member**   **ORG = Organizational Member**

The Governing Council 2023-24

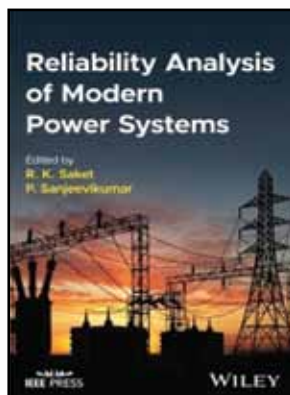# Awards & Achievements

Prof (Dr) Atul M Gonsai (F-201885) Chairman of the IETE Rajkot Centre, has been granted another patent for **designing and developing audio and video encryption using the NAA algorithm for fast and safe wireless transmission**. This patent was accepted by the Indian government's patent office and was made official on Aug 11, 2023.

Prof (Dr) P Sanjeevikumar (F-501049) coauthored following two books published by IEEE Press and Wiley:

(i) *Fast Changing Infrastructure for Electric and Hybrid Electric Vehicles: Methods for large-Scale Penetration into Electric Distribution Networks*, by Sivaraman Palanisamy, Sharmeela Chenniappan and Sanjeevikumar Padmanaban

(ii) *Reliability Analysis of Modern Power Systems* by R K Saket and P Sanjeevikumar: This is a reference book for engineers involved in designing reliable power systems. It can also be considered as a graduate level text. Selected topics of the book can also be taught in undergraduate courses. The book is hybrid, heterogenous and interdiscipilnary in nature. The book contains 26 chapters. The book deals with reliability theories and their applications in power systems

very comprehensively. This foreword of this book is written by Prof **Bimal K Bose** Emeritus Chair Professor of Electrical Engineering, Formerly Condra Chair of Excellence in Power Electronics, Department of Electrical Engineering and Computer Science, University of Tennessee, Knoxville, USA.

(iii) *Next-Generation Cyber-Physical Microgrid Systems Microgrid Systems:* A Practical Guide to Communication Technologies for Resilience - Elsevier Book Publication, 2024

Key features

- Provides a practical guidance on resilience in cyber-physical microgrids with distributed and renewable integration.

- Summarizes opportunities and challenges arising from implementation of communication technologies.

- Includes simulations, models, case studies, and test codes to maximize practical learning for students and professionals.

IETE Woman Achiever

Dr Sunita Mishra (F232553) is Chief Scientist at CSIR-Central Scientific Instruments Organization (CSIR-CSIO), Chandigarh, in the Department of Material Science and Sensor Application (MSSA). During her career of 26 years at CSIR-CSIO, she has contributed to the various research and development programs and completed 25 research projects funded by DST, CSIR, DIT, DBT, and DRDO in multiple capacities as coordinator, nodal officer, project investigator, and project co-investigator in agri-instrumentation, sensors, semiconductor devices, and analytical instrumentation. She has been the chairperson of various organizational committees and served as member secretary of the Research Council and member of the Management Council of CSIR-CSIO. She was also the Public Information Officer (PIO) for the Right to Information Act 2005. Dr Mishra has been actively involved in the academic curriculum of the Academy of Scientific and Innovative Research (AcSIR), Ghaziabad, at CSIR-CSIO, Chandigarh, as an honorary professor and has been involved as the course coordinator of various subjects such as physics for engineers, sensors & actuators, research methodology, and research ethics, CSIR societal program and article review. She

> ## Message
> *Never stop dreaming. Always long for it and be confident to achieve it.*
> *– Dr Sunita Mishra*

was also the adjunct professor at Bengal College of Engineering and Science (BESU), West Bengal. She is a member of the board of studies at Panjab University, Chandigarh, and Amrita Vishwa Vidyapeetham, Coimbatore. She got the Young Scientist fast tenure track project from DST.

Dr Mishra has authored more than 75 publications in SCI journals, published 10 book chapters, and presented papers in various national and international conference proceedings. She has delivered keynote and expert lectures at conferences and faculty development programs. She has supervised 35 BTech projects, 36 MTech dissertations, and 15 PhD theses (10 completed and 5 ongoing). Dr Mishra is the reviewer of various SCI journals such as Springer, Elsevier, Taylor and Francis, and IEEE. She is a member of the editorial board of Panjab University Research Journal (Science). She is a life member of the Semiconductor Society of India, Solar Energy Society of India, Material Research Society of India, and a Fellow of the Institution of Electronics and Telecommunication Engineers (IETE). She is also the Founding member of the Chandigarh Region Innovation and Knowledge Cluster (CRIKC). She received the Vishistha Award at Akhil Bhartiya Raj bhasha Sangoshthi in 2011. She was awarded the certificate of merit in the Leadership Development Program at CSIR, New Delhi.

OBITUARY

Shri D Rajagopal (F-046336) : With deep sorrow, we regret to inform you that Shri D Rajagopal, left for his heavenly abode on 7th November 2023. He was the Bangalore Centre's Chairman from 2012 to 2014 before taking on the role of Governing Council member from 2015 to 2018. In 1966, he enlisted in the Indian Army, completed the Advanced Electronics and System Engineering course at MCTE, Mhow, and was placed first in the Order of Merit for the Foreman of Signals course in 1979. Graduated from IETE in 1986 after completing a post-diploma program in computer engineering at the Board of Technical Education, Karnataka. After retiring, he became "Scientist B" and joined LRDE as an assistant foreman. Since 1985, he had been connected to the IETE Bangalore Centre and held various positions at this Centre for 30 years. He also played a key role as the Organizing Secretary for IETE IRSI (83) Awards for a number of years. LRDE granted him multiple Republic Day Awards for his R&D efforts, while IETE awarded him the B R Batra Memorial Award in 2004 for his unselfish devotion to the institution's goal. IETE shall always remember his tireless efforts.

Shri C M Devani (F-005932) passed away on 7th December 2023, as a result of his deteriorating health. Formerly, the Retired Director of Engineering at the Akashwani Doordarsan Kendra, Ministry of I B New Delhi, he also served as the Founder Chairman of the IETE Rajkot Sub Centre and Centre from 2004 to 2008, 2010 to 2012, and 2013 to 2016. He was consistently upbeat, cooperative, and supportive of all IETE Rajkot center activities, members, and students. His health had been poor for the past year and a half, yet he continued to attend online lectures, meetings, and the like. IETE officebearers and all corporate members have extended condolences and moral support to the family members of the late Shri C M Devani.

Wg Cdr Kailash Chand Bhardwaj (F048493L) passed away on 15th January 2024. He was associated with IETE for more than twenty eight years, which includes one term as GC member and for six years with IETE Delhi Centre under various capacities. He had the opportunity to work in different telecom technologies, namely manual exchanges, Strowger, Crossbar, E10B, C-DOT, EWSD, OCB, 5ESS, Broadband Access Technologies, FTTH, CDMA, WIFI and GSM. He had vast experience of twenty nine years in AF Telecomm and Radar systems and carried out deployment of mobile TropoScatter systems as per Air Force requirement, development and operations. He also served at Radar & Communication Project Office of Ministry of Defence for System Technique Development.

May their souls rest in peace, and their loved ones find the strength they need to cope with this irreparable loss.

Call For Nominations

Since 1953
In the Service of the Nation

The Institution of Electronics and Telecommunication Engineers (IETE)

Call for Nominations for IETE Awards-2024

The IETE Awards have been established to recognize excellent scientific and technological achievements in the scientific fields covered by the Institution. Most of these IETE Awards are presented at the Annual IETE Convention (AIC) of IETE.

THE CALL FOR NOMINATIONS IS NOW OPEN FOR THE YEAR 2024.

Nomination Submission Deadline for IETE Main Awards and IETE Corporate Awards: May 31, 2024. **IETE Main Awards** under consideration are presented to the nominee(s) who has made major scientific contributions in the field(s) as per the specification of the award. These awards consist of a plaque /medal, or/and honorarium, or/and travel support to an IETE regional meeting, where a lecture is be presented by the awardee.

Details and description of each award can be found at https://iete.org/Call%20for%20Nomination%20IETE%20Main%20Awards-2024.pdf

IETE AWARDS 2024

IETE MAIN AWARDS (in the fields as stated)

- **IETE-Ram Lal Wadhwa Award** - (Electronics and Telecommunication Engineering)
- **IETE-Hari Ramji Toshniwal Award**- (Development & production of Electronic Instruments and related Systems)
- **IETE-Bimal Bose Award**- (Power Electronics)
- **IETE-Lal C Verman Award**- (Standardization, Quality Control and Precision Measurements)
- **IETE- IRSI (83) Main Award & IETE - IRSI (83) Young Scientist Award**- (Radar Science & Technologies)
- **IETE-Flt Lt Tanmaya Singh Dandass Memorial Award** - (Avionics)
- **IETE-Prof K Sreenivasan Memorial Award** -(Teaching Electronics and Telecommunication Engineering)
- **IETE-Prof SVC Aiya Memorial Award** – (Guidance in Electronics and Telecommunication Research work)
- **IETE-Prof S N Mitra Memorial Award** - (Radio Broadcast Science and Technology)
- **IETE – CEOT (94) Award (Biennial)** – (Opto-electronics).
- **IETE- B V Baliga Memorial**- (Electronics and Telecommunication with emphasis on R&D and Industrial Development)
- **IETE- N V Gadadhar Memorial Award**- (Electronics and Telecommunication Engineering with emphasis on Mobile Radio Communication)
- **IETE- B R Batra Memorial Award** - (for selfless service to the cause of the IETE)
- **IETE- R S Khandpur Award**- (Medical Instrumentation)
- **IETE-Brig M L Anand Award**- (Applications of Networking and Internet with its usage in everyday life & commerce)
- **IETE-Biman Behari Sen Memorial Award**- (emerging areas of Electronics and Telecommunications with emphasis on R&D and Industrial Development)
- **IETE- Life Time Achievement Award**- (Electronics, Telecommunication & allied fields)

- **IETE- Smt Manorama Rathore Memorial Award** - (Electronics and / or Communication)
- **IETE- Smt Ranjana Pal Memorial Award**- (RF Communications, Electromagnetic, Antennas, Microwaves Circuits, Devices *etc*)
- **IETE- Smt Triveni Devi Gupta Memorial Award**- (Electronics, Telecommunications, Medical Electronics, Broadcasting, IT, ICT, E-Governance, Computer Technology, RF, e-Education, Electrical Technology).
- **IETE- Technomedia Award for Young Women in Engineering**- (Electronics, Telecommunication, Computer Science and Information Technology Engineering)
- **IETE-Shri Devi Singh Tyagi Memorial Award**- (Avionics and Defence Electronics)
- **IETE-Shri P P Malhotra Memorial Award**- (Electronics Industry /Academia) only for IETE Organizational Members
- **IETE-Dr Sudhakar Rao Award**- (Advanced Antenna System for Space, Air or Ground Communications)
- **IETE – Sri C Viswanatha Reddy Memorial Award**-(electromagnetics, antennas, and wireless communication) -
- **IETE– Smt C Ranganayakamma Memorial Award**--(electromagnetics, antennas, and wireless communication)
- **IETE- Yasodamma and Sarasavani Award**- (Wireless Sensor Networks & UAVs)
- **IETE – Prof Anita Gopal Dandekar Award** - (Generative Artificial Intelligence)

IETE CORPORATE AWARDS

In the categories of Large Enterprises (LEs), and Micro/Small/ Medium Enterprises (MSMEs) in each of the following areas:

- **Electronic Components**
- **Computer and Telecommunication Systems**
- **Development of Software**
- **Electronic Instruments and Instrumentation**

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