



IETE NEWS LETTER

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From President's Desk



Dear IETE Members,

Come May-June and IETE enters a period of election enthusiasm, signaling a shift in leadership from Oct '26 and generating new prospects for expansion and success. The IETE President Election phase has ended and I am pleased to extend my congratulations on behalf of the IETE Governing Council 2025-26 to Dr D C Pande, Distinguished Scientist at the Electronics and Radar Development Establishment (LRDE), Bengaluru, on his election as IETE President for the term 2026-27. It is particularly gratifying that IETE, which has benefited from the leadership of several Presidents from Bengaluru over the years, has once again entrusted its stewardship to a distinguished professional from the region. I am confident that the experienced management of IETE will enable the organization to continue to expand its scope, increase its influence and achieve new milestones in the years.

The results of the Governing Council Election for the term 2026-2029 have also been announced and I would like to extend my congratulations to the newly elected members who secure a substantial victory and welcome them. I am confident that they will perform at the same level as their predecessors. I am appreciative of the substantial contributions made by the retiring Governing Council members to the advancement of IETE, considering the scope of their responsibilities and the regions in which they reside.

I would also like to extend my congratulations to the newly elected Distinguished Fellows, Col S L Kapoor (Retd.), a long-serving Governing Council Member and Prof (Dr) J W Bakal, Past President of IETE. We are equally pleased to share that Prof (Dr) A K Saini, former Immdt Past President of IETE, has been appointed Vice-Chancellor of K R Mangalam University, Gurugram. Congratulations to all our esteemed senior members on their remarkable achievements and well-deserved recognition.

Next, the various events conducted by our Centres, Sub-Centres, ISFs and PACs in recent months reflect a commendable level of enthusiasm and dedication, contributing to a sense of pride and satisfaction among us all. The World Telecommunication and Information Society Day (WTISD) 2026, based on the theme selected by the International Telecommunication Union (ITU), was commemorated at IETE Headquarters on 18 May 2026. The event was graced by several distinguished dignitaries, including Lt Gen Vivek Dogra, SM, Signal Officer-in-Chief and Senior Colonel Commandant of the Corps of Signals in the Indian Army; Shri Anil Bhardwaj, Senior DDG, Dept of Telecom (DoT), Govt of India; Dr R K Upadhyay, Director, C-DOT and Dr Ajay Rana, Director General, Amity University, Greater Noida. The occasion was celebrated not only at the Headquarters but also across nearly all IETE Centres throughout the country. Another significant event during the period was the successful conduct of the IETE Mid-Term Symposium on 29-30 April 2026 at Greater Noida, organized with the support of the newly established IETE Sub-Centre at Amity University. The symposium attracted wide participation from academia, industry and government and featured several eminent speakers and experts. Among the distinguished guests were Dr Shashi Shekhar Vempati, Co-founder, AI4India and Padma Shri Awardee-2026; Prof Shantanu Bhattacharya, Director, CSIR-CSIO, Chandigarh; Dr Ashish Agarwal, Chief Scientist, CSIR-NPL, New Delhi; Shri L C Mangal, Director General (Technology Management), DRDO, New Delhi; Shri Munish C. Jauhari, IAS (Retd.), Chairman, ITS India Forum; and Dr Ajay Rana, Director General, Amity University and Founding Vice-Chancellor. We place on record our sincere appreciation to Dr Ajay Rana and Amity University, Greater Noida, for their generous support and for graciously hosting the symposium at their excellent campus facilities.

The Institution's MoU with AI4India has provided fresh insights into the widely debated question of AI's impact on employment. During a webinar on "*The Future of Employability in the Age of AI*" held in April 2026, experts emphasized that AI serves as a capability multiplier, enhancing productivity, efficiency and innovation across sectors. While acknowledging that certain entry-level and repetitive jobs may be disrupted, the speakers highlighted the growing consensus that AI is likely to create more jobs than it displaces. Significant opportunities are expected to emerge in areas such as AI development, data analytics, AI ethics and governance, cyber-security and a wide range of next-generation service industries.

The zonal seminars from the South, West and North, especially the one on *Trends and Innovations in Aerospace Electronics* that took place at Adani University in February 2026, did a great job of raising the institution's profile. The occasion was greatly enhanced by the distinguished presence of Shri Nilesh Desai, Director, SAC/ISRO, which was an important moment for us.

A detailed account of the topics covered and discussions held during these events is presented in the pages that follow. The establishment of additional IETE Student Forums (ISFs) holds considerable promise, as it broadens the Institution's outreach and strengthens its engagement with the academic community and future professionals. The extensive coverage of ISF activities in this issue reflects the vibrancy and continuity of the technical programmes conducted by IETE Student Forums throughout the year. Indeed, the prominence of the ISF pages serves as a testament to the enthusiasm and active participation of students in advancing the Institution's objectives and technical pursuits.

On 12 June 2026, IETE renewed its MoU with IEEE for a further three-year term (August 2026–August 2029). The agreement was signed by Mary Ellen Randall, President and CEO of IEEE for 2026 and by me in my capacity as President of IETE. Distinguished attendees at the signing ceremony included Lt Gen (Dr) A. K. S. Chande, PVS, AVSM (Retd), Emeritus President, IETE; Dr Prerna Gaur, Chair, IEEE India Council; Mr Grayson Randall, Chair of the IEEE Humanitarian Technologies Board (2025–2026), Cary, North Carolina, USA; Dr Abdul Q. Ansari, Vice Chair, Humanitarian Technology Activities (HTA); Dr Preeti Bajaj, Chair-Elect, IEEE India Council; Dr Shashank Awasthi, Vice Chair, Sister Society Coordination (IETE, IEI and others); and Dr Manju Mam, Secretary General, IETE. The renewed MoU will further strengthen collaboration between the two institutions in areas such as membership development, publications, technical meetings and conferences, humanitarian technology initiatives and a broad range of other cooperative activities.

IETE Publications is poised to enter a new phase with the transition of its journals to a new publishing partner, succeeding Taylor & Francis. Following extensive deliberations and with the approval of IETE and the Editors-in-Chief, we are pleased to announce the

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IETE HQs, New Delhi




selection of Sage Publishing as the Institution's publishing partner from January 2027. This partnership is expected to further enhance the visibility, accessibility and impact of IETE's scholarly publications while maintaining the highest standards of academic publishing and research integrity. In addition, IETE is actively exploring opportunities to expand its publishing portfolio and is currently in discussions with a leading Indian publishing house to establish a book publishing programme for its members. This initiative will provide an important platform for members to publish books, monographs and other scholarly works, thereby fostering knowledge dissemination and professional growth within the engineering and technology community.

The passing of Smt Smriti Dagur, the first woman President of the Institution, in April 2026 is a matter of profound sorrow for the entire IETE fraternity. An exceptional leader, she guided the Institution through periods of change with wisdom, vision, dedication and grace. She played a pivotal role in transforming the IETE Ahmedabad Centre into a vibrant, dynamic and self-sustaining hub for academic and professional activities. Smt Dagur's remarkable contributions to the Institution and the engineering community will be remembered with deep respect and gratitude and her legacy will continue to inspire future generations of IETE members.

In conclusion, I wish to express my heartfelt appreciation to the esteemed members of the Governing Council, our Centres, IETE Student Forums (ISFs), Professional Activities Committees (PACs), the Secretariat and all other stakeholders for their invaluable contributions towards advancing IETE's mission of empowering and upskilling the engineering fraternity in an era shaped by rapid technological transformation and intelligent systems. Together, we remain steadfast in our commitment to the Institution's ideals, dedicated to upholding its integrity, preserving its core values and furthering its vision of serving the engineering, scientific and technological community.

Jai Hind!


SUNIL
President IETE

The IETE President attending Major Events and/or Visits to IETE Centres



IETE President Shri Sunil with the members of IETE Bapatla Sub-Centre and IETE Vijayawada Centre on 27th Dec 2025.

- **The Institution of Engineers (India), Qatar Chapter** invited IETE President **Shri Sunil**, to inaugurate the webinar arranged online on 15th Feb 2026 based on the theme **“Data Privacy in the Digital Age: Is your Information Ever Truly Safe?”** The key speakers present were: **Dr Abdulla Y Ali Sayed**, President, Lean Construction Institute, Qatar the Chief Guest; **Er Khalid Fakhroo**, Sr Petroleum Engineer, Energy sector, the Guest of Honour. The keynote address was delivered by **Prof MN Hoda**, Director, Bharati Vidyapeeth's Institute of Computer Applications & Management, New Delhi; **Dr S M Ali**, Executive Secretary, ISTE, New Delhi, **Er Abdul Sathar**, Hony Chairman IEI, QC, Secretary & Director General, Federation of Global Engineers.
- **Shri Sunil**, President IETE was the Guest of Honour at the **“5G & Beyond Conclave 2026”** held on 23rd Feb, 2026 at Punjab Engineering College (PEC), Chandigarh, where, **Shri Radhacharan Shakya**, Addl DGT, DoT was the keynote speaker.



Shri Sunil, President IETE during his visit to IETE Vadodara Centre on 19th Mar 2026



President IETE with EC members of IETE Lucknow Centre on 18th March 2026



Shri Sunil as President IETE, delivered the Special Address on **“AI in Mobility : From Idea to Impact”**, for the transformative role of AI in shaping the future of smart Mobility in India at Ambedkar International Centre Delhi on 25th March 2026. Other panellists: **Shri Sanjay Bandopadhyay**, IAS Rtd Member SCCoRS, **Shri Jitendra Singh Qualcomm**, **Shri Akhilesh Srivastava**, President IRF India & ITS India, **Shri BN Puri**, Director AITD & **Shri Sudhendu Sinha**, Former Advisor Niti Ayog.

IETE President Elect (2026-27)



Dr DC Pande (F 126202 L), has been elected as the IETE President for the year 2026-27. Dr Pande is an Outstanding Scientist, former Associate Director, LRDE Bengaluru and former Dr Raja Ramanna DRDO Distinguished Fellow, possessing over 45 years of R&D experience. He will take over from the previous President in September 2026 during the Annual IETE Convention at Kolkata.

Dr Pande joined LRDE in 1981 and worked on electromagnetic interference, nuclear electromagnetic pulse and high-power electromagnetics for ground-based, airborne & ship-borne and submarine equipment systems. His sustained efforts have significantly strengthened the activities and outreach of IETE.

Authored 150 papers, 50 technical reports & book chapters in the domain of electromagnetics. Guided large number of PhD, MTech and BTech students. Received numerous national awards including DRDO Scientist of the year Award by Prime Minister in 2006.

He has held multiple senior positions within IETE. He has been affiliated with the IETE Bangalore Centre for many years and has also served as its Chairman. He currently serves as the Chairman of the IETE Publications Committee from past two years.

IETE extends its heartfelt congratulations and best wishes for his success as he prepares to take up the responsibilities and challenges of his high office.



25th March 2026 : President BES, Shri Sunil chaired the panel discussion on “Direct to Mobile Broadcasting (D2M): A Win Win for Broadcasters, Telcos and Consumers” at Convergence India Expo, during SATCAB 2026 Symposium, with elite panellists Shri Pankaj Krishna, Founder and CEO Chrome Data, Shri CK Jain, Advisor Freestream Technologies, Shri Prashant M Maru, Vice President Tejas Networks and Hocine Belhous Synamedia, at Bharat Mandapam, New Delhi.



25th March 2026: Shri Sudhir Tangri, Agilent USA India Head, facilitating Shri Sunil, at Le Meridian, New Delhi



President IETE with EC members of IETE Titupati Centre on 27th April 2026

News from IETE Headquarters

58th World Telecommunication & Information Society Day, IETE HQs

on

“Digital Lifelines: Strengthening Resilience in a Connected World” - 18th May 2026

IETE celebrated 58th World Telecommunication & Information Society Day (WTISD) on 18th May 2026 at HQ in hybrid mode. The dignitaries included - **Lt Gen Vivek Dogra, SM, Signal Officer-in-Chief, Ministry of Defence, Govt of India**, as Chief Guest; **Shri Sunil**, President IETE ; **Shri Anil Bhardwaj**, Senior DDG, DoT, Govt of India; **Dr Ajay Rana**, Director General, Amity University & former Vice-Chancellor, Amity University, Greater Noida; **Dr Rajkumar Upadhyay**, Director, C-DoT, as guests of honour. The video message of the Secretary-General of the International Telecommunication Union, **Ms Doreen Bogdan-Martin** was played at the beginning. Her statement that the world regards digital technologies as lifelines that connect individuals to safety, services and one another was demonstrated. She declared in her message that “Connectivity has become as essential to modern life as electricity and roads.” She emphasized that terrestrial networks, submarine cables, satellites and data systems are now indispensable lifelines for economies and communities across the globe. However, lifelines must be accessible, secure and trusted by all. Numerous communities continue to be inactive. Vulnerability exists in critical systems. Cyber-threats and disinformation are on the rise. The cost of inaction is borne most heavily by those who have already been left behind, as climate emergencies become more severe and the AI divide widens. She encouraged governments, industry and communities to fortify the digital lifelines that sustain the world.

In his inaugural address, **Shri Sunil, President IETE**, highlighted the transformative impact of digital connectivity across key sectors such as healthcare, education, commerce, agriculture and banking. He emphasized the critical role of broadcasting during crises such as the COVID-19 pandemic, noting how Prasar Bharati, through its networks including All India Radio and Doordarshan, played a vital role in educating, informing and supporting citizens during this challenging period. He pointed out that ISRO provided two transponders to facilitate the transmission of 330 educational channels in multiple languages. With schools and colleges closed during the lockdown, educational lessons and learning modules were broadcast to students across different regions and academic levels, ensuring continued access to education for those without reliable internet connectivity.

Shri Sunil further noted that broadcasting services were instrumental in combating misinformation and enhancing public awareness by disseminating timely updates on lockdown regulations, safety protocols, vaccination drives and welfare initiatives. To help maintain public morale during the pandemic, popular television serials were also re-telecast. Discussing emerging technologies, he explained that Direct-to-Mobile (D2M), developed by IIT Kanpur, enables the direct delivery of multimedia content to mobile devices without relying on cellular networks or internet connectivity. Often described as a promising next-generation broadcasting technology, D2M is being advanced through hardware development efforts led by Tejas Networks, which is working to establish the technological infrastructure necessary for its widespread deployment.

In conclusion, he observed that the adoption of smart mobility solutions has the potential to significantly reduce road traffic fatalities in India while enhancing the overall efficiency and safety of transportation systems. The Chief Guest at the event was **Lt Gen Vivek Dogra, SM, Signal Officer-in-Chief, Ministry of Defence, Government of India**. He underlined that the use of cutting-edge digital technologies during Operation Sindoor last year allowed for total control of the sky, protected India’s western borders and guaranteed improved soldier security on the battlefield. Through the coordinated deployment of more than 80 aircraft, the efficient employment of drones and UAVs and the targeting of terrorist infrastructure and Pakistani air bases, the operation demonstrated the revolutionary potential of digital warfare capabilities. He underlined that the swift spread of the digital ecosystem is now a strategic necessity, impacting government, national security and every person’s life. The country’s virtual nervous system, the digital ecosystem, is increasingly vulnerable to a wide range of cyberthreats. Critical command-and-control systems can be targeted and compromised by adversaries, posing a serious threat to national security. Activities that take place on the Dark Web worsen complex and unexpected issues including cybercrime, disinformation and illegal networks. Additionally, it is critical to carefully ensure that digital infrastructure is resilient to disturbances such as natural disasters. Protecting data security, privacy and human rights is crucial in the digital era. Equally crucial is the development of India’s vast human resources, especially its millions of students and young brains. These people are the nation’s most precious resource and the foundation of its future development, inventiveness and technological leadership.

Shri Anil Bhardwaj, Senior Deputy Director General (DDG), Department of Telecommunications (DoT), Govt of India, observed that the Public-Private Partnership (PPP) framework introduced by the DoT during 1994–95 was visionary in nature and laid the groundwork for India’s telecom revolution. He highlighted the pioneering role of the Centre for Development of Telematics (C-DOT) in deploying indigenous 4G technology and extending telecommunications connectivity to villages across the country. Expressing pride in India’s rapid technological progress, he noted that nearly 95% of the country’s population now has access to 5G services, making it one of the fastest telecommunications rollouts in the world. He further emphasized that India’s strong commitment to indigenous research and development has resulted in more than 4,000 patent applications related to 6G technologies. Under the ambitious Bharat 6G Vision, India aims to secure approximately 10% of global 6G patents by 2027.

Shri Bhardwaj explained that the Bharat 6G Alliance has brought together academia, telecom industry stakeholders, start-ups, research institutions, standards organizations and government agencies to foster a robust and collaborative 6G ecosystem in the country. He added that the DoT has approved 111 research proposals and provided financial support for advanced research facilities, including the 6G Terahertz (THz) Testbed at



the Society for Applied Microwave Electronics Engineering and Research (SAMEER), Kolkata and the Advanced Optical Communication Testbed at IIT Madras. He also highlighted the “100 5G Use Case Labs” initiative, launched in October 2023, which is promoting innovation, research and skill development in next-generation communication technologies. At the same time, he expressed concern that despite the availability of high-quality indigenous products developed by C-DOT, many organizations continue to depend on imported alternatives.

Addressing the issue of digital resilience, Shri Bhardwaj noted that more than 95% of global internet traffic, international voice communications, financial transactions, cloud services and digital data exchanges are carried through submarine fibre-optic cable networks. He further stated that the International Cable Protection Committee (ICPC), established under the aegis of the International Telecommunication Union (ITU), plays a crucial role in safeguarding and coordinating the operation of these vital global digital infrastructures.

Dr Ajay Rana, Director General, Amity University and former Vice-Chancellor, Amity University, Greater Noida, observed that the pace of growth in the digital world is unprecedented and continues to accelerate rapidly. He noted that the role of the private sector in India’s educational ecosystem has expanded significantly, with nearly 77% of students now pursuing their education through private institutions. He remarked that over the past few decades, private universities and colleges have substantially improved access to higher education by introducing contemporary academic programmes, investing in technology-enabled learning and responding swiftly to evolving industry requirements. These institutions have played a crucial role in meeting the educational demands of India’s large youth population across diverse disciplines, including engineering, management, medicine and vocational education.

Emphasizing the importance of interdisciplinary learning and industry collaboration, Dr Rana stated that his university is committed to producing industry-ready graduates equipped with both technical expertise and essential soft skills. He highlighted the university’s modern educational environment, featuring smart classrooms, state-of-the-art laboratories, high-speed digital infrastructure and technology-driven learning platforms. Dr Rana also acknowledged the Government of India’s efforts to promote innovation by substantially reducing patent filing and processing fees in recent years. These measures, he noted, have encouraged start-ups, MSMEs, educational institutions and individual innovators to engage more actively in research and intellectual property creation.

A key highlight of his address was the Women in Empowerment (WIE) Programme, a socially focused initiative aimed at empowering women through education, skill development, digital literacy, entrepreneurship and sustainable livelihood opportunities. Through a video presentation, he showcased the programme’s achievements and impact. He emphasized that the WIE Programme extends beyond vocational training by fostering social awareness, gender sensitivity, leadership capabilities and self-confidence through workshops, seminars, mentorship programmes and community engagement activities.

Discussing the theme of “Anytime, Anywhere Connectivity,” **Dr Rajkumar Upadhyay, Director of C-DOT**, highlighted the persistent

challenges of digital inclusion across the world. He noted that, out of the global population of approximately 8.3 billion, nearly 2.2 billion people remain without access to the Internet. He further pointed out that although mobile broadband coverage now reaches a large majority of the world’s population, a significant “usage gap” continues to exist, with many individuals living within network coverage areas but unable to effectively access Internet services due to affordability constraints, inadequate digital skills and other socio-economic barriers.

Drawing attention to India’s digital divide, Dr Upadhyay observed that urban tele-density has reached around 148%, while rural tele-density remains at about 60%, reflecting substantial disparities in connectivity. Similarly, Internet usage in India stands at approximately 48% of the population, compared with the global average of 58%. To bridge this gap, he highlighted the Government of India’s BharatNet Programme, which envisages an investment of nearly ₹1.39 lakh crore to provide high-speed optical fibre connectivity to around six lakh villages and rural habitations across the country.

Addressing the strategic importance of digital infrastructure, Dr Upadhyay remarked that modern warfare increasingly targets the digital domain, with adversaries seeking to disrupt communication networks and critical information systems. Referring to Operation Sindoor, he noted that Indian digital and communication networks reportedly faced millions of cyber intrusion attempts, illustrating the growing role of cyber warfare in contemporary military and strategic operations. He added that Indian cyber security agencies, including CERT-In, defence cyber units, telecom operators and intelligence agencies, maintained heightened vigilance to detect, neutralize and mitigate such threats. Dr Upadhyay also emphasized the transformative role of Artificial Intelligence in communication networks, noting its growing capability to autonomously identify faults, diagnose issues, optimize performance and undertake corrective actions with minimal human intervention. He observed that India currently accounts for only about 0.1% of global wafer manufacturing capacity and stressed the importance of strengthening the country’s semiconductor ecosystem. In this context, he highlighted the Indian Semiconductor Mission (ISM) 2.0, which seeks to position India as a globally competitive “silicon economy” with capabilities spanning the entire semiconductor value chain, including the Electronics Components Manufacturing Scheme (ECMS).

Showcasing C-DOT’s technological initiatives, Dr Upadhyay highlighted TRINETRA, an AI-powered integrated cybersecurity platform developed to protect critical digital infrastructure from emerging cyber threats. He also referred to C-DOT’s Quantum Key Distribution (QKD) technology, which enables highly secure communications by detecting any interception attempts during data transmission. In addition, he mentioned Project NIDHI, launched in May 2024, which is designed to support and nurture women-led start-ups in the Information and Communication Technology (ICT) sector.

Dr Manju Mam, Secretary-General IETE, delivered the vote of thanks, conveying sincere appreciation to the Chief Guest, Guests of Honour, the IETE President, former presidents, esteemed dignitaries, GC members, the Chairman, TPOC, and the staff for their significant contributions in rendering the event truly memorable.

57th IETE Mid-Term Symposium, on AI for the Ubiquitous Connectivity and Sustainable Development & 8th International Conference on Contemporary Computing & Informatics (IC3I-2026) - 29th -30th Apr'26

AI systems are crucial for addressing the challenges of urbanization, congestion and environmental sustainability. The symposium emphasized the importance of collaboration between academia, industry and government to innovate and implement effective mobility solutions. AI helps us do more with less—less energy, less waste and less damage to the planet. Efficiencies achieved on embracing AI-driven decisions will enhance the GDP.

IETE hosted its **57th Mid-Term Symposium** on ‘**AI for the Ubiquitous Connectivity and Sustainable Development**’ on 29th-30th April 2026 at Amity University Sub-Centre, Greater Noida, New Delhi. The event brought together industry experts, researchers and policy makers to discuss innovative solutions and advancements to explore use of Artificial Intelligence to achieve connectivity while ensuring sustainability in operations.

In his welcome address, **Dr Shiv Kumar**, Vice-President, IETE and Chairman, IETE Technical Programmes and Outreach Committee (TPOC), extended a warm welcome to all participants and expressed special appreciation to Amity University, Greater Noida, a recently established IETE Sub-Centre functioning under the dynamic Noida Centre, for hosting the event. In his remarks, Dr Kumar highlighted several strategic initiatives undertaken by IETE to help the professional community adapt to rapidly evolving technological landscapes. These included the establishment of MoUs with institutions such as the National Forensic Sciences University (NFSU) and the South Asian University (SAU), aimed at fostering academic collaboration and knowledge exchange. He also outlined proposals to launch a Postgraduate Diploma programme, Global Executive Master’s Programmes in Telecommunications and Emerging Technologies and an Executive PhD in Telecommunications to enhance advanced learning opportunities for working professionals and researchers. Dr Kumar further noted IETE’s collaboration with Springer for publishing high-quality conference proceedings, a step expected to strengthen the Institution’s global visibility and academic outreach. He also highlighted initiatives focused on mid-career professional transitions and specialized Faculty Development Programmes being conducted through various IETE Centres to support continuous learning and skill enhancement.

Providing an overview of the conference, Dr Kumar informed the audience that the two-day event would feature three technical sessions covering key areas of contemporary communication technologies: (i) Fifth Generation (5G) and Advanced Communication Technologies, (ii) Non-Terrestrial Networks and Integrated Sensing and Communication and (iii) Cybersecurity and Data Privacy. He expressed confidence that these deliberations would generate valuable insights and contribute to advancing research, innovation and policy discussions in the telecommunications and digital technology sectors.

Dr Ajay Rana, Director General, Amity University and a former Vice-Chancellor, emphasized the need of instilling ethics, values and sanskars in students as part of the distinguishing characteristics of the institution, in addition to providing students with access to world-class instruments for the purpose of education. In the spirit of Dr. Ashok K. Chauhan, the founder and President of the Amity Education Group, the objective was to establish Amity as the knowledge hub of the entire world.

As **Shri Sunil**, President IETE, retraced the dramatic history of the organization’s founding in 1953, he made the observation that the phenomena of “disruptions” is a result of the mind-boggling pace of technical breakthroughs. The direct-to-mobile (D2M) technology is causing one of the most significant changes in the field of technology. This technology allows messages to be received from satellites directly to smartphones, eliminating the need for cellular networks. Researchers at the IIT, Kanpur developed it and it transmits IP-based multimedia content over terrestrial television broadcast. Consequently, we are the owners of the intellectual property rights, which enables us to create standards such as spectrum allocation and the technology can be transferred to other countries throughout the world. Besides broadcasting emergency alerts for disaster management, D2M has the potential to be a dependable medium for delivering instructional content to locations that are geographically isolated.

He said that we can solve our many problems with universal connectivity: Remote areas enable access to education, healthcare, banking and government services, promoting inclusivity. Apart from that, these services are only offered in major cities. A force multiplier, artificial intelligence quickly analyses terabits of sensor data to deliver actionable insights. Business predictive maintenance will improve using AI-driven insights. It will optimise traffic signals, decrease public infrastructure electricity use and increase rubbish collection in cities. Transportation delays and water leaks will also diminish. In summary, AI speeds up and improves decision-making. It’s a “smart assistant” that analyses enormous data sets and finds solutions humans miss. Artificial intelligence can help us use resources more efficiently, reduce waste and make smarter judgements, which could help sustain progress. Artificial intelligence can track deforestation and predict floods using satellite data. Because artificial intelligence (AI) consumes a significant amount of energy (data Centres,

computation), it is imperative that it be utilised in a responsible manner. The objective is to make certain that the advantages are greater than the costs to the environment.

Dr Ashish Agarwal, Chief Scientist, National Physical Laboratory (CSIR-NPL), New Delhi and recipient of the prestigious **IETE Lal C Verman Award 2025**, delivered the award lecture on the fascinating and highly relevant subject of the “Physics of Timekeeping.” He explained that CSIR-NPL is responsible for maintaining Indian Standard Time (IST) through highly precise atomic clock systems that serve as the nation’s official time reference.

Highlighting the strategic importance of precision timing, Dr Agarwal noted that modern defence systems depend critically on synchronized time. Referring to Operation Sindoor, he explained that missile systems relied on synchronized timing enabled by the atomic clocks onboard the NavIC navigation system. He further recalled that India’s experience of being denied access to GPS data during the Kargil conflict underscored the necessity of developing sovereign navigation and timing capabilities, leading to the creation of NavIC. Dr Agarwal emphasized that precise timekeeping underpins virtually every aspect of modern technology and society. Communication systems, including the Internet, satellite navigation, mobile networks and cloud computing platforms, require tightly synchronized clocks, as even millisecond-level discrepancies can result in transmission errors and data loss. In the financial sector, accurate time-stamping is essential for stock trading, banking transactions and blockchain systems to ensure fairness, transparency and fraud prevention. Scientific research, space missions and high-precision engineering experiments similarly depend on exact timing for reliable measurement and coordination of events. He further explained that navigation systems such as NavIC determine location by measuring signal travel times, where even a microsecond error can translate into positional inaccuracies of several hundred metres. Likewise, power grids and critical infrastructure require synchronized operations to maintain efficiency and reliability, while legal records, digital communications and forensic investigations depend on accurate timestamps to establish authenticity and chronological sequence.

Illustrating the practical significance of precise timing, Dr Agarwal cited the well-known National Stock Exchange (NSE) co-location case involving former NSE CEO Chitra Ramkrishna, where discrepancies in time-stamped records played an important role in uncovering irregularities. He also noted that data Centres in India are now required to synchronize their clocks with NPL’s official time infrastructure rather than relying solely on external sources such as GPS. Looking ahead, Dr Agarwal informed the audience that India is transitioning from a single centralized timing system to a distributed network of synchronized atomic clocks located in Ahmedabad, Bengaluru, Bhubaneswar, Faridabad and Guwahati. This network aims to achieve synchronization accuracy in the range of 1–10 nanoseconds. To accomplish this, advanced technologies such as the White Rabbit Protocol, originally

developed at CERN, are being deployed, bringing India’s national timekeeping infrastructure in line with global best practices.

Concluding his lecture, Dr Agarwal stated that, in preparation for the advent of 6G communications and the terahertz (THz) era, CSIR-NPL is actively developing next-generation optical clock technologies capable of delivering the unprecedented levels of precision that future communication, navigation and scientific systems will require.

Prof Shantanu Bhattacharya, Director, CSIR-CSIO, Chandigarh, presented the **IETE Vikram Sarabhai Memorial Lecture**, emphasizing the advanced research field of **Acoustic Meta-materials**. His presentation illustrated India’s substantial contributions to advanced materials science and wave engineering. He also warned about the increasing tendency of exposure to loud music, which he classified as a type of ‘noise pollution’. He detailed the fundamental characteristics of acoustic metamaterials, including: **High sound absorption and insulation**: These materials can absorb or attenuate sound significantly more effectively than traditional materials of comparable thickness. **Negative effective mass density and bulk modulus**, which display atypical “negative” physical characteristics, allowing sound waves to propagate in unorthodox manners, including directional reversal. **Acoustic filtering**: They can obstruct sound within designated frequency bands, operating as very accurate acoustic filters. **Anisotropy and tunability**: Their response is direction-dependent and can be adjusted physically or electrically to target specific frequencies. **Sub-wavelength control**: They can regulate sound waves through structures significantly smaller than the wavelength, surpassing the constraints of conventional materials. **Acoustic cloaking**: It can direct sound waves around things, effectively making them “invisible” to sound.

Professor Bhattacharya further emphasised significant applications of acoustic metamaterials: **Noise reduction and soundproofing**: Employed in structures, industrial settings and transportation systems to manage undesirable noise more efficiently than conventional insulation. **Sonic lenses and waveguides** provide accurate manipulation and orientation of sound waves, applicable in sensing, imaging and communication technologies. **Medical ultrasound imaging**: Enhance the concentration of sound waves to improve resolution in diagnostic imaging and therapeutic interventions. **Architectural acoustics**: Facilitate the design of music halls, auditoria and studios to achieve exceptional sound quality and clarity. **Vibration control**: Utilised in equipment and structural systems to reduce vibrations and improve stability. **Underwater acoustics**: Enhance sophisticated sonar management and stealth functionalities in maritime applications. **Acoustic cloaking devices**: Beneficial in stealth technology and for safeguarding sensitive equipment from auditory detection.

Dr Shashi Shekhar Vempati, Padma Shri-2026, the former CEO of Prasar Bharti and co-founder of AI4India, offered a forward-thinking perspective on the potential of Artificial Intelligence (AI) to be used not only as a technological tool, but also as a



transformative force for sustainable and inclusive growth. His observations emphasised the significance of directing the future of AI with a distinct emphasis on progress, purpose and people. He emphasised that technology should not pursue complexity for its own sake, but rather must resolve the most pressing challenges facing society. Drawing a compelling parallel, he observed that connectivity is now as indispensable as electricity, constituting the foundation of contemporary development. He emphasised the necessity of enhancing value creation within the country, pointing out that the value addition in iPhones manufactured in Chennai is still limited, at approximately 15%. He also emphasised that the next phase of development must concentrate on the domestic manufacturing of critical components. He underlined the importance of developing indigenous AI models that are specifically designed to accommodate India's linguistic and cultural diversity in order to achieve global competitiveness and self-reliance. He articulated a clear vision. In this context, he identified the Direct-to-Mobile (D2M) technology developed at the Indian Institute of Technology, Kanpur as a promising initiative to address the digital divide by providing access to rural and underserved communities, thereby facilitating equitable participation in governance, healthcare and education. He stated that the future of work necessitates the urgent prioritisation of continuous learning, skill development and employability, as AI transforms job responsibilities, enabling youth to transition from job seekers to job creators. He concluded by underscoring the importance of robust partnerships among academia, industry, government and institutions like The Institution of Electronics and Telecommunication. In order to promote innovation and guarantee the responsible implementation of AI, engineers are indispensable.

Shri Munish C Jauhari, IAS (R), Chairman of the ITS India Forum and Guest of Honour for the day, remarked that digital technology has already permeated every aspect of human existence. Artificial Intelligence (AI) is evolving into a revolutionary and disruptive force. India has emerged as a global leader in innovation, according to him, as evidenced by the extensive utilization of the country's digital payment ecosystem, particularly the Unified Payments Interface (UPI). He asserted that young people, who are frequently among the first to employ new technologies, integrate them rapidly. He did, however, issue a warning that these technologies must be used in a responsible and moral manner, emphasizing that cybercrime is an unfortunate byproduct of technological advancement, but its benefits to society are undermined by its misuse. He emphasized that it is still imperative to uphold honesty and work consistently in order to achieve long-term career success. In rural hinterlands, the quality of life is being significantly improved by the increasing penetration of broadband, as Shri Jauhari underscored the transformative impact of connectivity. In particular, it is facilitating the access to education for students who may not have had the opportunity to attend high-quality institutions, thereby promoting increased inclusion and opportunity. He expressed apprehension about the

fact that India experiences over 200,000 road accident fatalities annually, which, when families are considered, impacts nearly one million individuals. Then, he shifted his focus to the matter of transportation safety. He underscored the significance of implementing intelligent transport systems (ITS) to address this issue and enhance the safety of roads. Shri Jauhari expressed concern about the global imbalance in climate responsibility in relation to sustainability. He observed that the United States and the European Union, which advocate for the reduction of emissions in developing nations, are responsible for a significant portion of the greenhouse gas output. He also observed that the climate finance support that was promised to developing countries has not been substantially implemented, which underscores the importance of more equitable global cooperation and greater accountability.

As per the Guest of Honour, **Shri LC Mangal**, Director General (Technology Management), DRDO, New Delhi, Artificial Intelligence (AI) will be a significant factor in the advancement of 6G communications. Addressing the audience, he stated that AI is becoming increasingly prevalent in all disciplines, with ongoing small improvements impelling revolutionary change. He emphasised the government's audacious goal of ensuring that 10% of the world's 6G communications intellectual property rights (IPRs) are sourced from India in this regard. He disclosed that there are significant R&D initiatives underway to realise real-time robotics that are consistent with the vision of Industry 5.0, which emphasises human-machine collaboration. He stated that AI is currently being employed in fields such as intelligent urban planning and smart healthcare systems, as well as in the creation of power-efficient designs that promote sustainable development. He further elaborated that AI is a collection of technologies, such as federated learning, deep learning and machine learning, that each contribute to the evolving ecosystem. Shri Mangal issued a warning regarding the potential risks associated with advanced AI systems, specifically Mythos, an AI model developed by Anthropic. Mythos is equipped with highly sophisticated cybersecurity capabilities, including the ability to autonomously identify and exploit software vulnerabilities. He emphasized that these developments underscore the necessity of responsible and secure deployment of AI technologies.

In order to facilitate the transition to the Internet of Everything, he emphasized that heterogeneous networks will necessitate reconfigurable and adaptive architectures, which are necessary to address the complexity of future communication systems. He further added that DRDO is actively involved in cutting-edge defence research in emerging domains, such as quantum computing and is also adopting collaborative models inspired by global best practices. This approach includes the South Korean approach of partnering with academia to support high-risk, high-impact research. He observed the Government's vigorous backing in this regard, which included the allocation of approximately ₹1 lakh crore to fortify the research and innovation ecosystem. He

also recognised a number of recent policy initiatives that were designed to enhance the technology landscape, with a particular emphasis on those that promote venture capital participation in businesses. Shri Mangal concluded his address by contemplating the influence of AI on employment, asserting that AI should be perceived as a force multiplier in both the defence and industrial sectors. He emphasized the significance of lifelong learning, multidisciplinary skill development and profound domain expertise, as well as lateral thinking and leadership capabilities, in order to tackle future challenges.

Shri GP Singh, Chairman, IETE Noida Centre, proposed vote of thanks, expressing gratitude to the dignitaries and dedicated team of Amity University.

The symposium sessions looked into the transformational nature of current advancements to make AI more effective. Deliberations proved that ‘Artificial Intelligence is a necessity and not a luxury.’ The event comprised of three Technical Tracks each with number of expert speakers participating in them.

Dr M H Kori, Vice President IETE, chaired the Track-I on “**5G and Beyond Communication Technologies**” at Amity University on 29 April 2026. In his opening remarks, he brought attention to the fact that the transition from 5G to beyond-5G systems is being driven by a variety of service requirements. These requirements include massive Machine-Type Communications (mMTC) for large-scale Internet of Things connectivity, Ultra-Reliable Low-Latency Communications (URLLC) for mission-critical applications and emerging paradigms such as the AI-RAN Alliance, which integrates artificial intelligence into radio access networks for enhanced efficiency and adaptability. Additionally, he brought attention to Integrated Sensing and Communication (ISAC) as a crucial facilitator of future networks. In these networks, communication systems simultaneously conduct sensing duties, which will support applications such as autonomous systems and smart surroundings. In his remarks, he emphasized that these technologies combined constitute the basis of the communication systems of the future generation, which necessitates ongoing study and innovation as well as collaboration between the academic community and the business sector.

Session co-chair, **Dr Amitabh Bhargava**, Amity University Gr Noida stated that the future of communication technologies should be viewed not only as a technological advancement, but also as a catalyst for social, educational, economic and human development. 5G and beyond communication systems have the potential to improve healthcare accessibility, strengthen digital education, support sustainable urban growth and create more connected and efficient communities. Future technologies such as AI-driven networks and immersive digital ecosystems should be developed with a strong focus on inclusivity, ethical use, environmental sustainability and data security. Equal access to digital infrastructure and interdisciplinary collaboration will be essential to ensure that technological progress benefits society as a whole and contributes meaningfully to improving quality of life.

Prof (Dr) Mridula Gupta, Senior Professor in the Department of Electronic Science at the University of Delhi, recipient of the **IETE-Smt Manorama Rathore Memorial Award-2025**, discussed the Bharat 6G Vision (2023) initiated by the Government of India. She emphasised that the strategy offers a detailed framework for next-generation wireless communication and seeks to establish India as a worldwide leader in 6G technology by 2030. She delineated the Principal communication technologies that support this idea. This encompasses Artificial Intelligence and Machine Learning for facilitating intelligent, automated and self-optimizing networks, as well as Terahertz (THz) communication, which employs high-frequency spectrum to attain ultra-high data rates in the terabits-per-second (Tbps) range. She underscored the amalgamation of terrestrial and non-terrestrial networks to provide ultra-low latency and high-speed connectivity, facilitating advanced applications such as holographic communication and the tactile internet. Professor Gupta additionally indicated that her study concentrates on terahertz antennas, as well as transmitters and receivers for THz communication systems. The efficacy of these technologies is assessed by the creation and utilization of specialized test beds. She emphasized the significance of workforce development in this nascent and highly specialized field. Furthermore, she mentioned the National Mission on Quantum Technologies and Applications (NMQTA), which seeks to develop national competencies in quantum computing, communication, sensing and innovative materials.

Dr Amit Banerjee, South Asian University, awarded with the **IETE-Brig ML Anand Award-2025**, presented a lecture on “**Load Balancing using Switch Migration in Multi-Controller Software-Defined Networks.**” He emphasized that the increasing intricacy of contemporary communication networks has established demanding demands, such as little latency, elevated bandwidth and extensive device connectivity. These requirements are propelled by nascent applications such as IoT, autonomous systems and multimedia services. Software-Defined Networking (SDN) has evolved as a disruptive paradigm that decouples the control and data planes, thereby improving flexibility, scalability and programmability in network management. In SDN designs, numerous distributed controllers jointly oversee network domains, facilitating effective traffic orchestration and resource allocation. Nonetheless, sustaining equitable workloads among controllers presents a significant difficulty, especially in the context of dynamic and varied traffic conditions. Load imbalance may lead to controller congestion, heightened latency and diminished Quality of Service. Although switch migration is a widely utilised strategy, recurrent migrations entail considerable control overhead, synchronization expenses and the risk of packet loss, hence compromising network stability. Dr Banerjee proposed effective load-balancing solutions to address these restrictions. He introduced a greedy methodology, designated OptiGSM, which initiates switch migration solely when the controller load deviation beyond a specified threshold, thus minimising superfluous migrations and mitigating overhead. Furthermore, he presented

Fractional LB, an innovative technique that facilitates partial traffic reassignment via a Mixed Integer Linear Programming formulation, complemented by a scalable heuristic for practical application. Comprehensive simulations and real-time testbed assessments revealed that these methodologies markedly improve load-balancing efficiency, diminish synchronisation overhead and enhance overall network performance.

Dr Deepak Sharma, Principal Scientist in Time and Frequency Metrology at the CSIR-National Physical Laboratory (Indian Standard Time Division), underscored that contemporary technology systems necessitate all devices to synchronise with a highly accurate and unified time reference. This is crucial for applications like telecommunications networks (4G/5G base stations), power grids (for fault detection and monitoring) and financial trading systems (for precise time-stamping of transactions). He emphasised that the Global Positioning System (GPS) fundamentally relies on accurate time. A timing discrepancy of even one microsecond can result in a positional deviation of 300 metres. Likewise, time synchronisation is essential in Very Long Baseline Interferometers (VLBI), where signals from radio telescopes located thousands of kilometres apart are integrated. VLBI requires exceptional timing precision at the picosecond level to operate efficiently. Dr Sharma elucidated the concept of ‘White Rabbit,’ a specialised technology for ultra-precise time synchronisation across networks. White Rabbit enhances standard Ethernet to facilitate clock synchronisation among networked devices with sub-nanosecond precision. It was initially created at CERN to facilitate high-precision scientific research. He emphasised that Time Transfer Technologies for terrestrial networks disseminate accurate time solely through ground-based infrastructure, including optical fibre and communication networks, independent of satellites. He continued by stating that the accurate measurement and distribution of time has now become an essential national asset.

Dr Rishi Mohan Bhatnagar, the Founder/Managing Director (India) and Global CTO of AA2IT India Pvt Ltd, emphasised the necessity of sustainable and energy-efficient solutions in response to the rapid increase in demand for data Centres, which is being driven by Artificial Intelligence (AI), cloud computing and emerging 6G technologies. In this context, he mentioned that space-based data Centres, which are propelled by an abundance of solar energy, could provide a promising long-term solution that is consistent with the objectives of sustainable computing. He observed that conventional terrestrial data Centres necessitate substantial land, a dependable electricity infrastructure and a substantial amount of water for cooling. Conversely, space-based systems have the capacity to surmount numerous of these limitations, providing an alternative approach to the development of future data infrastructure. Dr Bhatnagar identified a substantial gap in the ecosystem in response to the increasing narrative of India becoming a global Centre for smart-phone manufacturing. Although manufacturing capabilities are increasing, there is a

scarcity of structured academic programmes that instruct end-to-end smart-phone design. He underscored the necessity of system-level, integrated education that empowers students to conceptualize and construct mobile devices from the ground up.

Professor RK Sinha, former Vice Chancellor of Gautam Budh University in Greater Noida, served as the Session Chair for Track-2 entitled “**Non-Terrestrial Networks.**” The Session Chair explained that Non-Terrestrial Networks (NTN) refer to communication systems utilising platforms situated above the Earth’s surface—such as satellites, high-altitude balloons and drones—to deliver wireless connectivity, thereby augmenting conventional terrestrial networks. Non-Terrestrial Networks are essential for facilitating global, robust and inclusive communication, serving as a supplement to terrestrial networks. They offer regional coverage with reduced latency compared to satellites. Future 6G will significantly depend on non-terrestrial networks combined with terrestrial networks. NTN consists of Satellite Networks, High Altitude Platform Stations (HAPS), UAVs/Drones, Balloons, or solar-powered aircraft operating around 20 km above Earth. Applications include: Connectivity in Rural and Remote Areas, Disaster Response Management, Aviation and Maritime Communication, Internet of Things (IoT), Surveillance of agriculture, environment and logistics across extensive regions. Robust and expansive communication systems.

Session co-chair, **Dr Nandita Tripathi**, Amity University Gr Noida remarked that the future of communication technologies should not be viewed only from a technical perspective, but as a tool for social transformation and inclusive development. Non-Terrestrial Networks (NTN) have the potential to reduce connectivity gaps by extending digital access to remote and underserved communities, thereby supporting education, healthcare, disaster response and economic opportunities. Integrated Sensing and Communication (ISAC) can contribute to building smarter and safer environments through intelligent transportation, environmental monitoring and responsive public infrastructure. Along with innovation, equal emphasis must be placed on sustainability, ethical use of technology, data security, accessibility and interdisciplinary collaboration so that future communication systems remain human-Centred and beneficial for society as a whole.

Dr Birendra Singh of Sify Technologies Ltd. stated that the success of AI is contingent upon the underlying infrastructure, which includes high-speed networks, cloud platforms, data centers, periphery computing and cybersecurity. He deliberated on the evolution of communication networks to support AI workload and emphasized the concept of a “Sovereign AI Foundation for India,” emphasizing that national-scale AI necessitates domestic data Centres, secure networks and trusted digital ecosystems. He underscored the importance of maintaining a balance between innovation and security and trust.

The speaker in the panel, **Shri Ujjawal Mittal**, ITCONS e-Solutions Ltd. Noida, observed that AI is more valuable when it is integrated with communication networks, enterprise

systems and operational workflows, rather than being regarded as an isolated tool. Therefore, the diffusion of technology is of paramount importance. He emphasized the importance of AI-driven decision support, intelligent automation, data-centric organizations and real-time analytics. Organizations are transitioning from conventional IT systems to cloud-based platforms, AI-assisted operations, automated service delivery and data-driven governance. He advocated for the continuous upskilling and development of an AI-ready workforce. In order to completely capitalize on the forthcoming wave of digital transformation, India must integrate AI, connectivity, cyber security and skilled human resources.

Dr Arun Kumar Singh, Chairman, IETE Lucknow Centre observed that the rapid evolution of beyond-5G and emerging 6G ecosystems is redefining the boundaries of wireless communication. Two transformative paradigms—Non-Terrestrial Networks (NTN) and Integrated Sensing and Communication (ISAC)—are at the forefront of this evolution. He discussed how these technologies collectively enable ubiquitous connectivity, environment-aware communication and intelligent network infrastructures. NTN extends network coverage beyond terrestrial limits using satellites, High-Altitude Platform Stations (HAPS) and UAVs, while ISAC merges communication and sensing functionalities into a unified framework, enabling systems to simultaneously transmit data and perceive their surroundings.

Dr Ravinder Singh, DG (R&M), DRDO, underscored the organization's commitment to the development of indigenous defence technologies, which will minimise importation by fostering more robust collaboration between academia, industry and DRDO. He elaborated on the ways in which AI, advanced communications, sensing systems and data-driven decision-making are revolutionising defence and security capabilities. DRDO has progressed from isolated quantum initiatives to a dedicated Quantum Technology Research Centre (QTRC) that is designed to expedite the development of indigenous quantum technologies for strategic and defence applications. He briefly discussed Post-Quantum Cryptography, which encompasses cryptographic algorithms that are designed to operate on conventional computers but are anticipated to remain secure in the face of future quantum computers. DRDO is also engaged in the development of AI/ML-based multi-sensor data fusion for space surveillance. The goal is to integrate data from numerous satellites and sensors to create a cohesive operational picture.

Dr Shiv Kumar served as the Session Chair for Track-III, entitled “**Cybersecurity and Data Privacy.**” The session chair initiated the debate by stating that Cybersecurity and Data Privacy are becoming increasingly crucial in the contemporary digital landscape. As our reliance on interconnected technologies increases, so do the difficulties in safeguarding sensitive information and maintaining privacy. With the advancement of technologies like cloud computing, artificial intelligence and the Internet of Things, the quantity and sensitivity of data

collected and transferred have increased dramatically. Protecting digital assets and safeguarding individual privacy is not only a technological issue but also an essential societal and economic imperative. Cyber threats are increasingly complex and the repercussions of data breaches can be extensive, impacting individuals, organisations and national security. The Session Chair requested that each participant articulate their perspectives and insights regarding the session theme.

Session co-chair, **Dr Deepshikha Bhargava**, Amity University Gr Noida focused on the increasing need for strong cyber laws and effective data protection frameworks in today's highly digital world. While India has made notable progress in developing cyber security and data privacy legislations, the fast-changing nature of technology and cyber threats makes continuous legal reforms essential. Greater attention is needed toward creating a more flexible and future-ready legal system that can respond effectively to challenges such as cybercrime, data misuse, digital privacy concerns and the ethical use of technology. Along with technological growth, equal importance should be given to building public awareness, trust, accountability and a safe digital environment for everyone.

Dr Rajeev Agrawal, CEO of Lloyd Institute of Engineering and Technology, Delhi Technical Campus, Greater Noida, cautioned that AI models such as Claude Mythos had transformed the cyber security scenario. Mythos can execute sophisticated cyber-attack operations, autonomously identifying zero-day vulnerabilities that previously required weeks of human effort. AI agents now function continuously, overseeing systems at machine speed without fatigue or interruptions. For India, this vulnerability emerges during a significant digital transformation, characterised by UPI, e-governance and cloud adoption, resulting in a huge and predominantly unsecured array of platforms and channels. Micro, Small and Medium Enterprises (MSMEs) are particularly susceptible due to insufficient cybersecurity protocols, while challenges in implementation and risks associated with third-party vendors' result in indirect exposure that is more challenging to manage. India confronts an immediate imperative to elevate cyber-security from a mere IT compliance issue to a national strategic goal.

Dr Krishan Berwal, Department of Informatics, Faculty of Communication Engineering, Military College of Telecommunication Engineering, Mhow, emphasized that global cybercrime is expected to reach \$10.5 trillion annually by 2026, transforming cyber-security from a purely technical concern to a strategic national and economic priority. Key threats, including Ransomware-as-a-Service, identity-based intrusions through stolen credentials and AI-driven attacks, including automated phishing and deepfake-enabled fraud, were identified by him. He observed that the majority of security vulnerabilities are still significantly influenced by human error. He also noted that the rapid digital expansion of India, which has been facilitated by platforms such as UPI and Aadhaar, has significantly improved

financial inclusion. However, it has also expanded the attack surface. The number of cyber incidents and financial frauds has increased significantly, with UPI scams, fraudulent KYC connections and the misuse of QR codes being the most common attack vectors. Dr Berwal underscored that regulatory initiatives, such as the Digital Personal Data Protection Act, 2023 and the CERT-In guidelines, are significant advancements; however, their efficacy is contingent upon effective enforcement. The session also emphasized the dual role of AI as a powerful instrument for defense and a threat multiplier, as well as the emerging risks associated with large-scale mobile usage and quantum computing. He concluded by emphasizing the significance of implementing Zero Trust architectures, AI-enabled defence mechanisms, quantum preparedness, enhanced mobile security, increased user awareness and agile policy enforcement. In the end, he observed that cyber-security is essential for the preservation of trust in the digital ecosystem.

Dr Jaskaran Singh, the proprietor of M/s Prime Forensics in New Delhi, was the subsequent panelist. He stated that cybersecurity is no longer merely an IT issue, but rather a significant concern. Cyber warfare has the potential to target critical infrastructure, including hospitals, electrical grids and transportation systems. Organisations are no longer merely data holders; they are “data fiduciaries,” which means they are legally obligated to use personal data exclusively for the intended purpose. Direct repercussions

are now the result of any misuse or excess. The most recent IT rule updates have implemented stringent timelines, which include a two-hour deletion requirement for high-risk content, such as non-consensual intimate images or deepfakes. Although this is a significant stride forward in the protection of users, it also places significant operational pressure on platforms and companies to respond almost immediately. Advanced phishing attempts, in which AI can imitate the voice of CEOs, colleagues, or even family members to deceive individuals into transferring money through UPI or sharing sensitive information. This is no longer conventional hacking; it is “Social engineering 2.0,” which is facilitated by generative AI. Deepfakes are causing a significant trust issue, as it is becoming more challenging to differentiate between genuine and fraudulent content. Systems such as video KYC, which are employed in banking, are also at risk. In an effort to ascertain the authenticity of human identity, it will be necessary to implement technologies such as AI-based watermarking and liveness detection. Additionally, user rights are reinforced by the regulations implemented to safeguard privacy and cybersecurity. Individuals are now able to exercise greater control over their personal data, such as the ability to withdraw consent and request deletion.

The valedictory function marked the successful conclusion of the two-day event

Webinar on Future of Employability in the Age of AI: 02nd Apr 2026

While AI disrupts entry-level, repetitive jobs, it acts as a capability multiplier, boosting overall productivity AI is expected to create more jobs than it displaces, especially in AI-related fields, data analytics, ethics, governance and new service areas.

**We are not facing a job crisis: we are facing a capability crisis.
What we do now, shapes the next decade**

IETE in collaboration with AI4India organized a webinar titled, **Future of Employability in the Age of AI** on 2nd Apr 2026. Key dignitaries present included : **Shri Sunil**, President, IETE; **Shri Alok Agrawal**, Co-founder, AI4India (one of the main speakers); **Shri Shashi Shekhar Vempati**, Co-founder, AI4India, Padma Shri awardee, former CEO of Prasar Bharati; **Shri Adarsh Lathika**, Founder, Anatomy of Work

President IETE, Shri Sunil, in his talk spoke about professional engineering education, electronics and telecommunications. He stressed the value of practical skills and how IETE can help build up people’s abilities in new technologies. He said that people are more afraid of AI than they are aware of how it will change things. Right now we are at the turning point: AI is already a part of how things work. The number of entry-level jobs is going down. Even though hiring signs are changing, education systems are not doing their jobs well. Basically, we need to create an AI talent ecosystem that welcomes everyone. If we don’t, inequality will grow, which could cause social unrest.

The webinar brought together experts, teachers and people from a range of academic and career backgrounds. The session’s goals were to look into how artificial intelligence is changing the job market and to give professionals and students advice on how to develop skills that are useful in a technological world that is changing quickly. The guests talked about how artificial intelligence is having a bigger effect on many areas and how automation, machine learning and data-driven technologies are changing the way people do their jobs. The participants were told about the problems that come with changing the workforce and the new possibilities that AI is making possible.

The session concentrated on the fundamental transformation of employability in India by Artificial Intelligence. The discussion evolved from the traditional debate of “Will AI eliminate jobs?” to more practical and forward-thinking enquiries: Which skills will be crucial? In what manner should students, educational institutions and industry prepare? What are the methods by which India can transform AI disruption into a demographic and economic advantage?

Core themes: AI as a Transformative Force: AI is no longer a future technology — it is already changing how work is done across sectors. Routine and repetitive tasks are being automated, while demand is rising for skills that complement AI (creativity, critical thinking, problem-solving, emotional intelligence and domain expertise). **Shifting Employability Landscape:** Employers are increasingly looking beyond degrees and generic resumes. AI tools make it easy to generate applications, so authentic skills, hands-on experience and AI literacy have become critical differentiators. **Short-term risks:** Displacement in mid-skill jobs (e.g., data entry, basic coding, routine analysis). **Long-term opportunity:** AI is expected to create more jobs than it displaces, especially in AI-related fields, data, ethics, governance and new service areas. **Role of Different Stakeholders: Students & Learners:** Need to focus on lifelong learning, AI fluency and hybrid skills (technical + human-centric). Pure technical skills alone may not suffice if they can be easily automated. **Educational Institutions:** Urgent need to update curricula, integrate AI tools in teaching and build stronger industry linkages. Emphasis on practical, project-based learning rather than rote methods. **Industry:** Must invest in reskilling existing employees and redesign job roles to work alongside AI. **Policy & Professional Bodies (like IETE):** Facilitate large-scale skilling, certification and inclusive access, especially for tier-2/3

cities and diverse backgrounds. **India-Specific Challenges & Opportunities: Challenge:** Skill gaps, uneven infrastructure and the risk of widening inequality if AI benefits only a small section of the population. **Opportunity:** India's young demographic can become a global strength if we build "AI for All" — making AI literacy widespread and ensuring inclusive growth. **Playbook:** Crucial need for training the Faculty. Linkages between academia, industry and government will create a practical "playbook" for employability in the AI era. Establishing AI Alumni Network will intelligently connect students with persons who can mentor them to identify opportunities.

Key Takeaways for Future Employability:

- **Skills over Degrees:** Recruiters are shifting focus toward tangible AI skills, adaptability and critical thinking rather than just formal degrees.
- **AI as a Tool:** Professionals must learn to use AI platforms (e.g., prompting, leveraging AI for productivity) to ensure job security
- **Essential Human Skills:** Creativity, critical thinking, collaboration and complex problem-solving are considered irreplaceable and high-value

MoU Signing Ceremony between IETE & IEEE



IEEE and IETE have renewed their Memorandum of Understanding for an additional three years (Aug 2026 - Aug 2029) on June 12th, 2026. The dignitaries present on the occasion were: (L→R) **Mr Grayson Randall** 2025-2026 IEEE Humanitarian Technologies Board Chair, Cary, North Carolina, United States; **Dr Shashank Awasthi**, Vice Chair - Sister Society Coordination (IETE, IEI and others); **Dr Prerna Gaur**, Chair, IEEE India Council; **Ms Mary Ellen Randall**, President IEEE-2026; **Shri Sunil**, President IETE; **Lt Gen AKS Chandele**, PVSM, AVSM (Retd), Emeritus President, IETE; **Dr Preeti Bajaj**, Chair, Elect, IEEE India Council and **Dr Abdul Q Ansari**, Vice Chair of the Humanitarian Technology Activities. It reflects the shared commitment of IETE and IEEE to advancing engineering, technology, professional development and societal impact for the benefit of their members and the wider community.

IETE Zonal Seminars

South Zone Seminar & IETE Student Forum (ISF) Congress 2026

IETE Sivakasi Centre organized the IETE Zonal Seminar 2026 along with the IETE ISF Congress (South Zone) at **Mepco Schlenk Engineering College (MSEC) Sivakasi, Tamil Nadu**, on 28th & 29th Jan 2026 on the theme *Artificial Intelligence in Transforming the Future of Telecommunication*. The program served as a vibrant platform for knowledge dissemination, interaction and collaborative brainstorming on emerging trends in AI-enabled communication systems. **Dr T Sabapathi**, Chairman, Sivakasi Centre, welcomed the gathering and expressed gratitude to the MSEC College for hosting the prestigious program. **Dr K Gnaneshwar Rao**, Zonal Mentor (South), Chairman, Centres Activities Growth Committee; **Dr Shiv Kumar**, Zonal Mentor (North), Chairman, Technical Programmes Outreach Committee; **Dr S Arumuga Perumal**, Chairman, Board of Skill Development; **Dr S Arivazhagan**, Founder Chairman, Sivakasi Centre; **Dr R Shantha Selvakumari**, Past Sivakasi Centre former Chairperson and other dignitaries were felicitated.



Dr K Gnaneshwar Rao in his address emphasized the strategic role of artificial intelligence in next-generation telecommunication systems and discussed the responsibilities of professional bodies like IETE in nurturing student talent and encouraged ISF Centres to actively engage in innovation-driven activities. Dr Shiv Kumar in his address focused on policy perspectives, industry expectations and the need for interdisciplinary skills. He stressed the integration of AI with communication technologies and motivated students to align their competencies with future industry demands.

The South Zone Best ISF Awards were conferred to recognize the outstanding performance and contributions of exemplary ISFs. **Best ISF Award I** was awarded to **Mepco Schlenk Engineering College, Sivakasi**, in appreciation of its consistent excellence in organizing technical activities, student engagement and professional development initiatives. **Best ISF Award II** was presented to **Vidya Jyothi Institute of Technology, Hyderabad**, followed by Best ISF Award III to **Marri Laxman Reddy Institute of Technology & Management, Hyderabad**, acknowledging their impactful student-centric programs and active participation

in IETE activities. **Best ISF Award IV** was conferred on **Chaitanya Bharathi Institute of Technology, Hyderabad** and **Best ISF Award V** on **Velammal Engineering College, Chennai**, in recognition of their sustained efforts in promoting technical learning, innovation and professional ethics among students.

Dr S Arumuga Perumal, Chairman, BoSD, conducted a highly engaging skill development session for ISF coordinators and student members. The session focused on leadership, technical skill enhancement and effective participation in professional forums. The ISF student team of MSEC, Sivakasi, organized a special event that highlighted student enthusiasm, creativity and teamwork through innovative and interactive activities. An interactive brainstorming session on artificial intelligence by panel comprising **Dr R Shantha Selvakumari**, **Dr W Sylvia Lilly Jebarani**, **Dr B Vijayakumari**, **Dr N Sivasankari**, **Dr V Jeyalakshmi** & **Mrs SA Radhika** discussed challenges, opportunities and future research directions in AI-driven telecommunication systems.



Prof (Dr) S Anand, EC Dept, MSEC, delivered an expert lecture on **AI-Driven UAV Communication: Challenges, Solutions & Future Directions** providing deep insights into UAV communication architectures, AI-based optimization techniques and emerging research challenges. The lecture focused on the application of artificial intelligence techniques including machine learning, deep reinforcement learning and swarm intelligence for adaptive routing, power control, trajectory optimization and interference management in UAV networks. **Er M Sathishkumar**, chief architect, HCL Technologies Ltd, Chennai, delivered an insightful industrial expert lecture on **Artificial Intelligence in Transforming the Future of Telecommunication**. He highlighted how AI is being practically deployed across telecom networks to enable network automation, predictive maintenance, fault detection and self-organizing networks (SON). Through real-world case studies, he explained the use of machine learning and data analytics for traffic prediction, dynamic resource allocation and quality-of-service optimization in 5G networks, while outlining the vision of AI-native 6G architectures. **Er M. Rajkumar**, RF project manager, Reliance Jio Infocomm Ltd.,

Trichy, delivered an informative lecture on **Latest Advancements and Challenges in Telecommunication**. He discussed contemporary telecom deployments with a focus on 4G/5G network planning, RF optimization, spectrum utilization and massive MIMO technologies.

The valedictory function marked the successful conclusion of the two-day event. **Dr J Senthil Kumar**, Hony Secretary summarized key outcomes of the two-day event. Dr T Sabapathi, Chairman distributed the prizes **Dr B Vijayakumari**, Hony Treasurer, proposed vote of thanks.

West Zone Seminar & ISF Congress 2026

IETE West Zone Seminar & IETE Student Forum (ISF) Congress 2026 was organized by IETE HQ & hosted by **IETE Ahmedabad Centre** in association with Space Applications Centre of the Indian Space Research Organisation (SAC-ISRO), the Bhaskaracharya Institute for Space Applications and Geo-informatics (BISAG-N), Adani University, GUJCOST (DST) & Union Bank of India on theme, **Trends and Innovations in Aerospace Electronics** on 7th Feb 2026 at Adani University. This was followed by a special **workshop at BISAG-N** on 8th Feb 2026. **Prof (Dr) Dhaval Pujara**, provost of Adani University, delivered the welcome address, **Shri Sunil**, President, IETE delivered the presidential address. The inaugural address was delivered by **Smt Preeti Agrawal**, Chairperson, Ahmedabad. The event was graced by the **Chief Guest Shri Nilesh Desai**, Director SAC/ISRO, Guest of Honour **Shri Asheesh Pandey**, MD & CEO of Union Bank of India, the keynote speaker **Shri Ashish Rajvanshi**, CEO of Adani Defence & Aerospace, **Dr Shiv Kumar**, Chairman TPOC, **Dr RD Kharadkar**, Vice-President & West Zone mentor, **Dr Ajay Kumar**, Chairman, Membership, ISF & ORG. The distinguished guests spoke on the growing role of electronics, aerospace and avionics in nation-building, the vision of *Aatmanirbhar Bharat* and the roadmap towards *Viksit*

Bharat 2047. The seminar featured a series of technical sessions and expert-led discussions on emerging technologies, research advancements and innovation trends in aerospace electronics. Experts including **Dr Dhaval Raval**- CMD, Abhyuday Bharat, **Dr Vinod SC**, CTO Centum Electronics, Bangalore, **Gp Capt Vishal Mishra VSM**, **Shri RK Agrawal**, Head RR CAT Indore, **AVM PK Shrivastava (Retd)**, **Shri Mukesh V**, Aimtron, **Shri Sneh Shah**, Aimtron, greatly enriched the sessions with their valuable insights and wide-ranging expertise. They shared practical experiences, policy perspectives and emerging trends. Their thought-provoking presentations, real-world case studies and interactive discussions added depth and relevance to the deliberations. The cross-sector participation not only broadened the scope of learning but also fostered meaningful dialogue and collaboration among participants. Industry professionals, academicians, researchers and students participated actively, making the program a dynamic platform for knowledge exchange. Students Paper, Poster & Project Presentation competition held after inaugural function of ISF Congress 2026. 225 participants attended the event including delegates, corporate members, R&D Academia, ISF & other engineering students

The Golden Jubilee year of the IETE Ahmedabad Centre was commemorated under the title Swarn Jayanti Varsh. During this historic event, the Centre's former Chairmen and Honorary Secretaries were honored for their committed service and significant contributions over the past half-century. A ceremonial memento commemorating the Golden Jubilee milestone was presented to them. Gujcost, Aimtron, Abhyuday Bharat, ATL, Soleos, Centum Electronics and MCBS provided support for the event. The program concluded with a focus on innovation-driven development, research partnerships and sustained collaboration. Digital displays were installed at various locations throughout the Ahmedabad Domestic airport to greet guests. The event was extensively covered by Doordarshan, Akashvani, Print media and Electronic media.



East Zonal Seminar

IETE Ranchi Centre in collaboration with the DST, Govt of Jharkhand and RTC Institute of Technology (RTCIT) organized an *International Conference on Advanced Computing and Applications* on 6th-7th Mar 2026 attracting 400 participants from India and abroad. The inaugural session of the event was graced by **Shri Sanjay Seth**, Hon'ble Defence Minister (MoS), as the Chief Guest. Other distinguished dignitaries included **Shri Sunil**, President IETE, **Dr Shiv Kumar**; Technical Programmes Outreach Committee (TPOC) IETE; **Prof DK Singh**, VC JUT; **Prof JK Mandal**, Ex VC, Raiganj University, WB; **Shri Ram Tahal Chaudhary**, former MP, Ranchi; **Prof VK Singh**, Hony Secretary and **Dr N Hari Babu**, Principal, RTCIT; **Dr Ajay Kumar**, Vice-President IETE and Convener of the Conference, Distinguished Guest **Prof RK Singh**, Jt Director, Science and Technology Department, Govt of Jharkhand.



Dr Ajay Kumar welcoming delegates, outlined the conference's aim, emphasizing the importance of advanced computing and its applications in today's society. He also expressed his thanks to the collaborating institutions, universities and government bodies for their cooperation. **Shri Sanjay Seth** highlighted the revolutionary importance of cutting-edge computer technologies in influencing the future of national development and bolstering defense capabilities in his inauguration speech. He emphasized that in the quickly changing digital age of today, technologies like artificial intelligence, machine learning, data analytics and cybersecurity are not just academic endeavors but crucial instruments for creating a strong and independent country. Additionally, the Chief Guest emphasized Atmanirbhar Bharat's vision and urged institutions to concentrate on developing domestic technology and lessen reliance on outside resources.



IETE President Shri Sunil emphasized the value of innovation, skill development and collaborative research in the rapidly evolving field of cutting-edge technology. He discussed the significance of fields like data science, cyber security, artificial intelligence and machine learning, which are at the forefront in the global arena and require learning and adaptation. He went on to discuss the necessity of looking beyond traditional teaching techniques and concentrating more on industry skill development so that students have the information and abilities needed to solve challenges.



Dr Shiv Kumar, the Chairman of the TPOC at IETE New Delhi, emphasized the growing importance of global collaboration and interdisciplinary research in addressing the intricate issues of the present technological era. He emphasized the increasing relevance of the incorporation of computing advancements with a variety of disciplines, including engineering, health, the environment and infrastructure. **Shri N Hari Babu**, Principal of RTCIT, underscored the critical role of technical education and research in determining the nation's future. He stated that organizations such as RTCIT are committed to fostering an environment that fosters practical learning, critical thinking and innovation among students. **Shri SN Mahto**, Secretary of the RTC, underscored the significance of organizing international conferences, as these gatherings enable the exchange of ideas, experiences and technology among experts from diverse backgrounds. **Prof RK Singh**, a distinguished guest, addressed the significance of science, technology and innovation in the context of sustainable development. He also underscored the necessity of aligning research with the current state of affairs and the government's initiatives. The academic environment of the conference was further enhanced by the contributions of international experts, such as Dr. Navneet Kumar (USA), Dr. Saha (Nepal), Dr. Lava (Malaysia) and Prof. Debasis De. The audience was provided with the knowledge and research experience of these renowned experts in the advanced disciplines of computing.

AI, machine learning, data science and advanced computing technologies were the topics of keynote talks, paper presentations and panel discussions during the technical sessions. The vote of thanks was made by **Prof VK Singh**. Participating institutions included BIT Mesra, Sarala Birla University, Jharkhand Rai University, BIT Sindri, Usha Martin University, Jharkhand

University of Technology, Arka Jain University (Jamshedpur), IIIT Ranchi, NIT Jamshedpur, NIT Raipur, Cambridge Institute of Technology (Ranchi), Central University of Jharkhand, YBN University, Ranchi University, Babu Dinesh Singh University (Garhwal), Dr Shyama Prasad Mukherjee University, RTC Institute of Technology (Ranchi) and Sai Nath University (Ranchi).

At Jharkhand Rai University and RTC Institute of Technology (RTCIT), IETE Student Fora (ISFs) at EC Department were officially opened by **Shri Sunil** and **Shri Sanjay Seth**.

East Zonal Seminar

IETE Lucknow Centre in association with **Amity School of Engineering & Technology (ASET) Lucknow**, organised the following two events, each inaugurated by Chief Guest, **Shri Sunil**, President IETE: *(i)* Zonal Seminar on **Data Science, Communication and Information Security (DSCIS-2026)** on 18th Mar 2026 and *(ii)* **International Conference on Computing, Communication & Intelligent Systems (ICCCIS-2026)** on 19th Mar 2026 -- both in hybrid mode, enabling global participation.

The Zonal seminar was inaugurated by Chief Guest **Shri Sunil**, **President IETE**, India, in the presence of Guest of honour **Mr Asif Siddiqui**, Group Director, GSNG-1/GSNA, ISTRA/ISRO, Lucknow and distinguished Guests **Dr Arun Kumar Singh**, Chairman IETE Lucknow Centre along with **Wg Cdr Anil Kumar**, Deputy Pro VC Amity University Lucknow Campus, **Prof (Dr) O P Singh** and **Dr Kamlesh Kumar Singh**, convenor of the conference.



The Zonal Seminar on DSCIS-2026 comprised of keynote addresses, invited talks, six technical sessions and poster presentations. **Dr Arun Kumar Singh**, Centre Chairman along with **Prof (Dr) OP Singh** and **Dr Kamlesh Kumar Singh**, Convenor supervised the entire show that opened avenues for collaboration in areas such as AI-driven healthcare, cybersecurity, IoT, generative AI systems and next-generation communication technologies. **Shri Asif Siddiqui**, Group Director, GSNG-1/GSNA, ISTRA / ISRO, Lucknow, shared his insights on **Data Science & Information Security**. **Wg Cdr Anil Kumar**, Dy Pro-VC Amity University, Lucknow Campus graced the occasion. DSCIS-2026 also featured lectures from

IETE awardees, namely: **Prof Ratnajit Bhattacharjee**, Prof (HAG), of EEE Dept, IIT Guwahati, recipient of the IETE – Prof SVC Aiya Memorial Award (2025) who spoke on **Millimeter wave and Sub-Terahertz Band Wireless Communication & Dr Jogesh Chandra Dash**, Asst Professor Grade-II, National Institute of Technology, Rourkela, Odisha, recipient of the IETE – Shri C Viswanatha Reddy Memorial Award (2025) covered **Full Duplex Antenna Design: An Approach towards Future 6G Communication**. **Dr Saurabh Dixit** presented his talk on **Cybersecurity & Generative AI Risk Frameworks**. **Prof Neelam Srivastava**, spoke on **AI in Healthcare**.



The **2nd IETE International Conference on Computing, Communication and Intelligent Systems (ICCCIS-2026)** received high-quality research papers from prestigious universities worldwide, which were subjected to a rigorous review process. Amity University Lucknow's commitment to cutting-edge technology and top-tier research was evident in the triumph of ICCIS-2026, which was the result of meticulous preparation and collaboration. The objective of the conference was to foster collaboration, innovation and research in the fields of cyber security, communication and data science. The objective of the event was to provide a platform for academics, researchers and business professionals to exchange information, exhibit innovative research and discuss practical concerns. Practical instruction in MATLAB-based information security tools was also intended to enhance the technical abilities of the participants and to publish a selection of exceptional papers as ISBN-numbered book chapters.



Guest speakers who participated include: **Shri Sunil**, President IETE, Chief Guest; **Shri Asif Siddiqui**, Guest of Honour; **Prof Manoj Kumar Shukla**, Director, REC, Kannauj; **Dr Mohammad Shadab Khan** (Cyber-security, Digital Twin & NLP), **Shri Shreyas Patel** (IoT & Industry 5.0); **Shri Pratik Brahmhatt** (Connected Mobility Systems); **Dr Biju Bajracharya** (Cybersecurity Education); **Shri Keyur Patel** (Cyber Defense Systems) & **Shri Samuel Tensingh** (Data Science & IoT).

The following presenters were acknowledged for their outstanding research quality, inventiveness and presenting abilities: (i) **Dr Rupali Mahajan** (Design and Development of Automated Gas Detection and Ventilation System) (ii) **Ishan Goel** (Localized LLM-Powered Search Engine to Improve PC Productivity) (iii) **Dr Saurabh Dixit** (GenAI Threat-Control Traceability Matrix) (iv) **Shri Prince Kumar** (True Random Number Generator Utilizing Metastability in Digital Circuits) (v) **Shri Anmol Singh** (Integrating Machine Learning Algorithms in Early Prediction of Cervical Cancer) (vi) **Shri Ada Rizvi** (MindHaven: An AI-driven Mental Health Support Ecosystem for Students).

South Zone Seminar & ISF Congress

The IETE South Zone Seminar and ISF Congress 2026 was organized by the **IETE Kalaburagi Centre**, in association with Sharnbasva University, Kalaburagi, on 27th & 28th Mar 2026 on the theme *AI-Driven Innovation for the Future of Telecommunication and Intelligent Systems*. Expo-2026: A Technical Project Exhibition and Poster Presentation was conducted to offer students an opportunity to exhibit their technical expertise and innovative ideas in emerging technologies, including Artificial Intelligence, the Internet of Things (IoT) and Robotics. The Chief Guest was **Shri Sunil**, President IETE.



The inaugural function was presided over by **Shri Lakshmi Patil Maka**, Chairman, Kalaburagi Centre and Registrar, Sharnbasva University. The inauguration was graced by the esteemed presence of **Dr Dakshayini S Appa**, Hon'ble Chancellor of Sharnbasva University and President of Sharnbasveshwar Vidya Vardhaka Sangha and **Shri Basavaraj S. Deshmukh**, Secretary, Sharnbasveshwar Vidya Vardhaka Sangha and Member, Board of Governors of Sharnbasva University, along with **Shri Anilkumar G Bidve**, Vice-Chancellor of Sharnbasva University. GC members,

attended as Guests of Honour were : **Prof (Dr) V Gunasekhar Reddy**, **Dr Shiv Kumar**, **Dr MH Kori**, **RD Kharadkar**, **Ajay Kumar**, **Brig VK Panday**, **Shri K Gnaneshwar Rao**, **Dr K Jaya Sankar**, **Shri Baswaraj Gadgay**, **Shri A Sarveshwara Rao**, **Shri Ashwani K Sangamker** and **Shri K Seetha Ram Babu**.



IETE -Shri PP Malhotra Memorial Award, given every year to the IETE Organizational Members, was bagged by this University and presented by Shri Sunil to Chancellor **Matoshree Dr Dakshayini Avvaji**. The best ISF award was given to **GND College of Engineering, Bidar, Lingraj Appa Engineering College, Bidar & Sharnbasva University, Kalaburagi**. The Best ISF coordinators were recognized as: **Dr Pradeep Reddy**, GND College of Engineering, Bidar, **Dr Sharanbasappa Shetkhar**, Lingraj Appa Engineering College, Bidar & **Prof Bannamma Patil**, Sharnbasva University, Kalaburagi. The inauguration concluded with inspiring addresses from the dignitaries, emphasizing the role of artificial intelligence, advanced communication technologies and interdisciplinary research in shaping the future of telecommunication and intelligent systems. The event provided an excellent platform for knowledge exchange, networking and academic collaboration.



IETE South Zone Seminar. The objective of the IETE Zonal Seminar was to convene academicians, researchers, industry professionals and students to deliberate on the most recent developments and emergent trends in Artificial Intelligence for telecommunication and intelligent systems. **Dr R D Kharadkar**, Vice President of Zonal Mentor, West; and **Dr M H Kori**, Vice President and Chairman of BoRIS, were the resource persons. The seminar concentrated on the transformative impact of Artificial Intelligence on contemporary telecommunication systems. AI technologies facilitate the development of communication

networks that are more efficient, reliable and rapid by: Intelligent traffic routing in 5G and advanced networks, Automated network management, Predictive maintenance of telecom infrastructure and Real-time data analysis for smart systems. These innovations facilitate intelligent decision-making and seamless communication, thereby facilitating the development of autonomous systems, IoT ecosystems and smart cities

A technical project exhibition and poster presentation on Mar 27, 2026, let 150 students to demonstrate their unique concepts, technological expertise and research capabilities. The competition was divided into hardware and software projects. **Ms Vinita Patil**, Principal of Lingraj Appa Engineering College in Bidar and **Ms Juhi Nishat Ansari**, Associate Professor at PDA College of Engineering in Kalaburagi, assessed the submissions.

Sir C V Raman Memorial Lecture and National Science Day

The IETE Bangalore Centre and Science Forum at Rashtriya Vidyalaya College of Engineering (RVCE), Bangalore, jointly organized the Sir CV Raman Memorial Lecture and the National Science Day on 18th Mar 2026. The program commenced with the invocation by **Dr Suma N Manjunath** and the welcome address by **Dr Geetha KS**, Vice-Principal of RVCE. **Brig VK Panday**, the Hony Treasurer of IETE, provided a concise introduction to the organization. **Dr Sham Aan**, MP, the coordinator of the Science Forum, emphasized the operation of the RVCE Science Forum. **Dr MH Kori**, the Vice-President, discussed the annual flagship program of the Sir CV Raman Memorial Lecture given by IETE. The Guest speaker was introduced by **Dr Ramya P**,

who is a member of the Department of Physics at RVCE. The Sir CV Raman Memorial Lecture on *Application of Science in Engineering* was delivered by and Director (DIA-RCoE at IISc) **Dr Sudhir Kamath**, former Director General of DRDO. He underscored the significance of fundamental sciences in the context of technological and engineering advancements. The young students were inspired by the speech. The Presidential address was delivered by **Dr KN Subramanya**, the Principal of RVCE. The dignitaries were honored by **Prof C Murali**, DFIETE, Chairman, Adhoc Committee of IETE Bangalore Centre and Prof HS Bhatia, GC Member. The vote of gratitude was proposed by **Dr Manju Mam**, the Secretary General IETE.



A New IETE Sub-Centre inaugurated at Bapatla, Vijayawada

A new Sub-Centre at Bapatla, Vijayawada, was inaugurated on 27th Dec 2025. An audio-visual clip highlighting activities of Bapatla Womens' Engineering College, (BWEC), Bapatla ISF, was shown. **Dr G Srinivasa Rao**, Principal and Management Member of BWEC addressed the gathering and stressed the need of enhancing technical skills. **Dr SK Riyazuddin**, Hony Secretary, Vijayawada Centre, explained benefits of joining IETE. **Shri M Srinivasa Rao**, President Bapatla Education Society (BES) emphasized the importance of advancing technical education. **Shri M Nageswara Rao**, Secretary, BES, highlighted IETE's role to encourage interaction between academia and industry.

Dr B Surya Prasada Rao, Chairman, Vijayawada Centre mentioned the utility of conducting various seminars, workshops, Faculty development programs that widen mental horizons. **Dr K Seetha Ram Babu**, GC Member remarked how IETE inculcates an ecosystem of innovation and research. Thereafter, **Prof K Gnaneshwar Rao**, Zonal Mentor (South) addressed the gathering and said IETE imparts quality education and conducts training programs. **Shri Sunil**, President, IETE in his inaugural speech sketched the Institution's blueprint to foster innovation & research in electronics & communication technologies and facilitate internships, certifications and offer skill development opportunities. Bapatla Sub-Centre's Memento was unveiled and office bearers of the Sub-Centre were announced, followed by distribution of certificates. **Prof B Mahalakshmi**, HoD, ECE Dept proposed vote of thanks.



News from IETE Centres / Sub-Centres

AHMEDABAD

• IETE Ahmedabad Centre celebrated the **72nd IETE Foundation Day** and **51st Centre Foundation Day** with great enthusiasm on 8th Nov 2025. **Smt Preeti Agrawal**, Centre Chairperson, welcomed the gathering and narrated the Centre's achievements, ongoing activities and upcoming initiatives. A message from **Shri Sunil**, President, IETE was read out by **Shri Kalpesh Doshi**, highlighting IETE's national vision and its focus on promoting indigenous technologies and skill development. The theme speaker, **Er Niraj Shah**, founder of M/s Arihant Satitate, delivered an insightful talk on **Indigenization of Hi-Tech and Critical Technologies**. The Chief Guest, **Shri Shaunak Shah**, CMD, Automation System Engineers Pvt Ltd. emphasized the growing importance of indigenous automation and engineering excellence for India's technological advancement. Senior members were felicitated for their long-standing association and service to the institution. **Shri Dinesh Agrawal** anchored the event proceedings. **Shri Jagat Panchal** proposed vote of thanks.

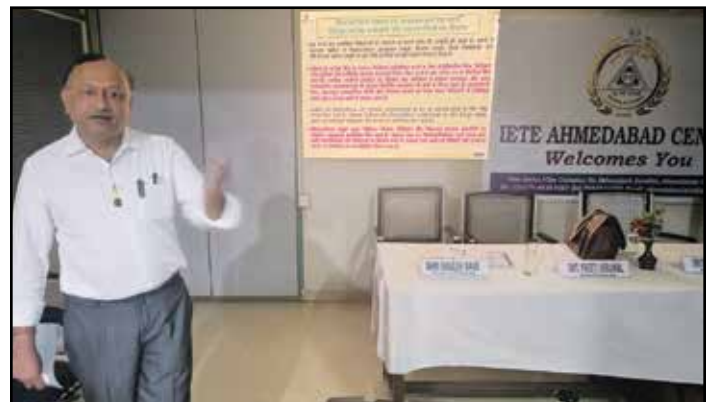


• IETE AMIETE- DipIETE Theory Exam was held during 15th to 23rd Dec 2025 and Lab, Project & Seminar exam CTW Viva also in Dec 2025.

• The Centre celebrated **Students' Day** and **National Science Day** at Sankalchand Patel Engineering College (SPCE), Visnagar on 28th Feb 2026. IETE President's message to students was read out by **Ms Rupal** of SPCE, motivating students to pursue excellence, innovation and ethical leadership in science and technology. **Smt Preeti Agrawal**, Chairperson Ahmedabad Centre, highlighted the significance of National Science Day and elaborated on this year's theme, **Women in Science: Catalyzing Viksit Bharat**. She emphasized that empowering women in science, technology, research and innovation is essential for building a developed and self-reliant India. She congratulated the College on becoming an Organizational (ORG) Member and appreciated the revival of the IETE Students' Forum (ISF). She also welcomed ten new corporate members from the college. In her address, **Smt Preeti Agrawal** explained the mission and vision of IETE, highlighting its crucial

role in bridging academia and industry and preparing students to meet emerging technological challenges. **Dr PM Udani**, Provost of Sankalchand Patel University, fondly recalled his long association with IETE and encouraged students to actively engage with IETE to maximize professional & academic opportunities. The event concluded on an inspiring note, reaffirming the shared commitment to fostering inclusivity, innovation and scientific excellence for a progressive and developed India.

• **Shri Dinesh Kumar Agrawal**, Head, INCC, Space Applications Centre, ISRO, Ahmedabad delivered the **IETE Biman Behari Sen Memorial Award Lecture – 2025** on 1st Mar 2026, focusing on the topic **Enabling India's Space Future: Space Electronics Hardware Realization and Industries Growth for Self-Reliant Space Missions**. The event was live streamed on YouTube, enabling a wider audience to join and benefit from the lecture. Elaborating the growing importance of space electronics hardware development and the critical role of Indian industries in strengthening the country's self-reliant space missions, he highlighted the opportunities for collaboration between research organizations and industries to support India's expanding space programs and emphasized the need for innovation, indigenous manufacturing and skilled human resources in the space sector. Sharing his extensive professional experience in the development of clean room facilities for space hardware manufacturing, he revealed the stringent quality standards required for space electronics. Initiatives related to training and capacity building of industry professionals were recounted which help industries effectively participate in space missions and contribute to India's growing space ecosystem.



Recently inducted or promoted members were honoured during the Centre's Golden Jubilee Celebrations. The Centre had the honor of honoring its distinguished former Chairman and secretaries who could not attend the recent Zonal Seminar and ISF Congress, acknowledging their significant contributions and leadership to the Centre.

- A **technical visit to Science City** was effectively conducted by the Centre on 28th Mar 2026 for ISF students, as part of experiential learning and technical exposure programs. The visit was conducted by Chairperson **Smt Preeti Agrawal**, Hony Secretary **Shri Rasesh Dave** and former Hony Secretary **Shri Dinesh Kumar Agrawal**, accompanied by office personnel Smt. Pinky Ben, who assisted students. The tour saw active involvement from around 60 students from multiple institutions, including SAL Institute of Diploma Studies, DDU Nadiad, LDCE and Sankalchand Patel Engineering College. Notable attractions within Science City comprised: **(i) Robotics Gallery** - showcasing impressive demonstrations such as robots engaging in soccer and badminton, in addition to playing various musical instruments. Furthermore, students examined robots engineered for diverse sectors such as domestic applications, agriculture, defense, industrial automation and healthcare, illustrating the pervasive integration of robotics into all facets of life. **(ii) Astronomy Gallery**- This segment offered captivating insights into space science, celestial entities and the universe. Students exhibited significant enthusiasm for acquiring knowledge about planets, stars and space missions via visual and interactive exhibits. **(iii) The Aquatic Gallery**-presented a diverse array of aquatic organisms from around the globe, providing students with insight into global marine biodiversity. A significant feature of this section was the shark tunnel, where students traversed an aquatic-like corridor encircled by sharks and various marine species, rendering the experience both exhilarating and informative. Additionally, the exhibition of science projects showcased innovative models, encouraging students to engage in creative thinking and apply scientific principles to practical solutions. The visit provided a valuable platform for students to bridge the gap between theoretical knowledge and practical exposure.

- **Mrs Smriti Dagur, Distinguished Fellow and Past President of IETE**, delivered an inspirational address on **“Women in Science & Technology”** as part of the celebration for her receipt of the **IETE Lifetime Achievement Award, 2025**. She elucidated on the changing role of women in technical domains and emphasised the necessity of mentorship, supportive ecosystems



and equal opportunities during a hybrid-mode event hosted by the Ahmedabad Centre on 25th April 2026. She provided practical insights and inspiring examples of overcoming challenges in STEM disciplines, drawing on her extensive experience. She contemplated the theme of International Women’s Day 2026, which is “Rights.” Fairness. Take action. “For ALL Women and Girls,” emphasising that genuine empowerment is contingent upon the effective implementation and experience of rights in daily life. (This was the final IETE presentation/talk that the speaker gave at the IETE Ahmedabad Centre.)

ALIGARH

- **72nd IETE Foundation Day** was celebrated by IETE Aligarh Centre on 11th Nov 2025 on the theme **Indigenization of Hi-Tech and Critical Technologies**. **Dr Mohd Ayyub Khan**, Hony Secretary, welcomed the gathering. **Dr Abdus Samad**, Assoc Professor, Department of Computer Engineering, AMU presented overview of the Foundation Day and read out President’s Message. **Shri DV Awasthi**, Sr Fellow of the Institution was felicitated for his contributions to the field of electronics and telecommunications engineering. He delivered an inspiring motivational talk. **Shri Tahzeeb A Abbasi**, Hony Treasurer, proposed vote of thanks.



- The Dept of Electronics Engineering, AMU organized the **“Poster and Project presentation”** session at the pre-conference IMPACT 2026, which was co-sponsored by the IETE Aligarh Centre on 13th Feb 2026. The ISF commemorated the **IETE Students’ Day 2026** on the same day. The event was organized to motivate students to participate in activities that were academic, technical and innovation-oriented. It functioned as a platform that fostered the exchange of knowledge, collaboration and professional development by uniting students, Faculty members, lecturers and participants. The function commenced with a warm welcome note, to all distinguished visitors, Faculty members, speakers, participants and, in particular, the IETE ISF student members. The conference’s importance was underscored in the address, which also underscored the necessity of such events in promoting innovation, learning and meaningful interaction between students and academicians. An official communication from IETE was read during a unique segment of the program. The message emphasized the significance of Students’ Day and the role of the IETE in fostering technical development among

students. It underscored the significance of student participation in local sections, technical communities and professional organizations to develop technical competence, networking opportunities and soft skills. Additionally, it motivated students to



strive for professional excellence, innovation, creativity and lifelong learning. One of the ISF members read the IETE President's message, which infused the event with a student-centered and significant element. The function also included Project Competition, Poster Competition and Presentations as part of the pre-conference activities. These events provided students with the opportunity to present their technical concepts, innovative projects and research-oriented work. The IETE ISF members found these activities to be highly engaging and beneficial, as they facilitated practical learning, confidence development and participation. The event was effective in fostering an environment of academic excellence, creativity and enthusiasm among the students. It was also in accordance with the mission of the IETE ISF, which is to foster technical awareness, innovation and professional development among engineering students.

BANGALORE

- The Centre conducted the corporate training program on “**RF Photonics**” at BEL Bangalore during 9th to 11th Dec 2025, with the help of **Prof H S Bhatia**, G C Member IETE and the member of the Adhoc Committee, Bangalore at that point in time. **Shri P Raghavendra Rao, DRDO, Hyderabad**, was the main speaker and the coordinator. It was successful and highly appreciated.
- The **IETE examinations** were conducted at the Centre from 15th to 23rd Dec 2025, under the guidance of **Shri Vijay Tripathi** and **Prof H S Bhatia**. While the practical exam was conducted on 30th Dec 2025.
- The Centre celebrated the **International Women's Day -2026** on 10th Mar 2026 at GSSS Institute of Engineering and Technology for Women, Mysuru in association with ISF, GSSSIETW student grievance redressal cell & District Legal Services Authorities, Mysuru. It was a full day program organized with various activities by students and talks by experts. More than

500 girl students took part in the program. **Shri Amarnath K**, Senior Civil Judge and Member Secretary, District Legal Services Authority, Mysuru, delivered a keynote address on “**Prevention of Sexual Harassment of Women at Workplace (POSH)**”. The keynote address on the topic titled “**Manifestation of Professional Career Ahead**” was given by **Prof Harjinder Singh Bhatia**, Chairman, Women Engineers Empowerment Leadership Committee [WEELC (2025-26)], IETE Governing Council Member. A talk on “**5G leading to 6G**” was delivered by **Prof C Murali**, IETE Distinguished Fellow and Former Vice President, IETE, New Delhi. **Dr Shyamala**, Associate Professor, Department of ECE, spoke about International Women's Day-2026. **Dr Shivakumar M**, Principal, GSSSIETW delivered the presidential address. Vote of thanks was presented by students. A street play was also organized by the students.



BHOPAL

- IETE Bhopal Centre in association with the IE (India), Students' Chapter, Madhav Institute of Technology and Science (MITS), Gwalior, organized a **two-day workshop on Verilog HDL** on 1st & 2nd Nov 2025. It was conducted by **Dr Varun Mishra** and **Dr Shailendra Singh**, both Assistant Professors from the Department of Electronics and Telecommunication, MUTS, Gwalior. The workshop introduced students to the basics of Verilog programming, digital circuit modeling and simulation using **EDA Playground**. The workshop served as an essential learning opportunity for students aspiring to explore VLSI and digital system development.



- IETE Bhopal Centre in collaboration with Government KRG Autonomous College, Gwalior, organized a two-day national conference on the theme: **India's Vision for 2047: Viksit Bharat with respect to Environmental Challenges & Sustainability** on 8th & 9th Nov 2025. **Dr Sadhna Shrivastava**, Principal welcomed the participants. Dignitaries included Chief Guest, **Dr Rakesh Singhai**, Past Chairman Bhopal Centre and Vice-Chancellor, Devi Ahilya Vishwavidyalaya, Indore; **Dr Vikas Thakare**, Scientist G, DRDO, Gwalior, **Shri Sanjay Sharma**,



founder, Octet Pharmachem Pvt Ltd, Malanpur & **Dr Varun Sharma**, Career Point University, Kota (Rajasthan). **Dr Vinita Agarwal**, the conference convener presented an overview of the event. **Dr Varun Sharma** delivered an enlightening keynote lecture on **Cutting-edge Technology for Water Treatment Using Nano Smart Materials: Recent Trends and Advantages**. **Dr Krishna Singh** coordinated the inaugural session, which concluded with vote of thanks by **Dr RB Raipuaria**. In the technical session chaired by **Dr Varun Sharma & Dr Sadhna Pandey**, **Dr Jai Singh Rajput**, Scientist II, NEERI, Nagpur, highlighted the role of scientific research in solving emerging ecological issues. **Dr Pratim Jain** coordinated the session and **Dr Deepak Pathak** proposed vote of thanks. **Dr PC Yadav**, Professor, Bundelkhand University emphasized the integration of traditional knowledge systems & modern scientific and technological methods in the next-day session chaired by **Dr Ved Prakash & Dr Deepak Pathak**. **Dr Rajesh Tomar**, Vice-Chancellor, Amity University, Gwalior was the Chief Guest of the valedictory session, presided over by **Dr Sadhana Shrivastava**, wherein, **Dr Vinita Agarwal** mentioned that out of 80 papers received, 35 were presented and 300 participants from eight states attended. Vote of thanks was proposed at the end.

- IETE Bhopal Centre in association with the Institution of Engineers (India), celebrated **Energy Conservation Day** on 14th Dec 2025 at MITS–DU, Gwalior, MP. The programme commenced with a welcome address by **Dr C S Malvi**, Chairman and HoD, Dept of Mechanical Engineering, MITS–DU, Gwalior. **Dr P K Singhal**, FIE, Past Chairman, read out the message received from the IETE HQs. **Shri Vinay Kumar Shukla**, Vice-Chairman, IETE

Bhopal Centre, delivered the keynote address. His talk focused on how cities can prepare themselves to become resilient, inclusive and sustainable, while responding effectively to challenges such as climate change, migration and urbanization. **Er R K Khetan**, Centre Chairman, marked National Energy Conservation Day by emphasizing that energy efficiency and renewable adoption are central to India's economic growth and carbon reduction goals. **Dr Shikha Pandey**, AMIE (CV), highlighted the global efforts toward creating an equitable and resilient environment, referring to the emphasis laid by the UN Secretary-General. She emphasized that energy conservation is essential for achieving global sustainable development, mitigating climate change and preserving natural resources for future generations. **Shri K N Jha**, FIE, Retired Principal, Ashok Nagar Polytechnic, MP, spoke about the objectives of World Habitat Day and the challenges and opportunities arising from rapid environmental changes. He also explained that National Energy Conservation Day is observed annually on 14th Dec under the guidance of the Bureau of Energy Efficiency (BEE), Ministry of Power, Govt. of India, to promote awareness about efficient energy use. **Er U S Pandey**, Retired Chief Engineer (PHE), emphasized that despite global efforts, the United Nations acknowledges persistent challenges in achieving the Sustainable Development Goals, particularly in environmental areas. A vote of thanks was proposed by **Dr Chhavi Saxena**, Hony Secretary, IEI Gwalior Local Centre, who expressed gratitude to all the speakers and participants. The event ended with high tea and the presentation of token gifts to the dignitaries.

- IETE Centre held a **Bootcamp** session on **"MS Power-BI Bootcamp: Analyse, Visualize, Decide"** at Madhav Institute of Technology & Science, Gwalior on 22nd Jan 2026. It was conducted by **Shri Medhavi Agarawal** and **Dr Himanshu Singh**, Asst Professor, Department of ETE, to provide students with hands-on exposure and a foundational understanding of Power BI, focusing on data handling, visualization techniques and dashboard creation. **Shri Aaradhya Goyal** welcomed the participants. **Dr Vandana Vikas Thakare**, HoD guided the proceedings. Over 90 students attended.

- An expert talk on **"Filtennas for Modern Wireless Communications"** was successfully organized on 24th Jan 2026 by the IETE Bhopal Chapter in collaboration with the Dept of Electronics and Telecommunication Engineering, MITS Gwalior. The program commenced with a welcome address by the Student Coordinator, **Ms Aaradhya Goyal**, who greeted the participants and briefly introduced the theme of the session. She then introduced the esteemed speaker, **Dr Abhishek Patel**, Assistant Professor in the Department of ECE at Chanakya University, Bengaluru, who spoke on filtennas, highlighting their significance in modern wireless communication systems. He explained the integration of filters and antennas, design considerations and their applications in advanced communication technologies. The talk

provided valuable knowledge on emerging trends and research opportunities in the field of RF and microwave engineering. More than 50 participants attended the session through Google Meet. The event concluded with a vote of thanks delivered by Dr Himanshu Singh. The activity was successfully coordinated by Dr Himanshu Singh under the guidance of Dr Pramod Kumar Singhal (Dean, Quality Assurance) and Dr Vandana Vikas Thakare (Head of the Department, Electronics and Telecommunication Engineering).

- An expert talk on “**From Engineering to International Woodball: Applying Analytical Thinking in Competitive Sports**” was successfully organized on 28th Feb 2026 in online mode. The objective of the event was to provide students with valuable insights into the application of engineering knowledge and analytical skills in the field of competitive sports. The student coordinator, Ms Deepanshi Tiwari, highlighted the importance of the session and introduced the theme. She then formally introduced the distinguished speaker, **Dr Abhishek Patel**, Assistant Professor (ECE) at Jain University, Bengaluru, who elaborated on the concept of analytical thinking and its practical applications. He explained that analytical thinking involves breaking complex problems into smaller, manageable components, followed by systematic analysis, understanding cause-and-effect relationships and continuous improvement through feedback and iteration. Through various examples and experiences, Dr Patel demonstrated how analytical thinking enables athletes to enhance performance, make informed decisions and maintain consistency. He emphasized that the same mind-set that contributes to success in engineering can also lead to excellence in sports. The event concluded with a vote of thanks followed by the felicitation of the speaker.
- On 8th Mar 2026, IETE Bhopal Centre, in collaboration with the Mittal Institute of Technology, Bhopal, arranged the **Women in Leadership: Shaping an Inclusive and Resilient Future** program. The program’s purpose was to increase awareness of the role of women in the construction of an inclusive and resilient society, as well as to promote women’s empowerment and leadership. **Dr RK Khetan**, Chairman, in his address emphasized the importance of women’s leadership in shaping the future of society and encouraged participants to actively engage in such meaningful discussions. **Dr Prashanti Rao**, School of Planning and Architecture, Vijayawada, delivered the keynote lecture wherein she elaborated on the present status of women in India, highlighting both achievements and existing challenges. She also shed light on the significant contributions made by women throughout Indian history and discussed the vast potential and opportunities for women in the future across various domains. **Dr Sehna Ayub Khan** from Bundelkhand Institute of Engineering and Technology, shared her perspectives on women’s participation in leadership roles and emphasized the need for continuous efforts toward gender equality and empowerment. The program was

efficiently conducted by **Dr Shilpam Saxena**, Vice-Chairman. **Dr PK Singhal**, Imdt Past Chairman proposed vote of thanks.

- A talk on “**Leadership, Discipline & Service: Lessons from the Indian Army**” was organized by the the IETE Bhopal Centre, in collaboration with the Dept of ETE, MITS-DU Gwalior, on 18th Mar 2026. The welcome address was by the student coordinator, Utkarsh Sanodiya. The speaker, **Lt Shreeyans Budholiya**, was then formally introduced and invited to deliver his session. Lt Shreeyans Budholiya is currently serving as a Lieutenant in the Intelligence Corps of the Indian Army. The session provided valuable insights into leadership, discipline and service and inspired the students to develop strong character, dedication and commitment towards their goals. The event concluded with the felicitation of the speaker by Dr Karuna Markam. The programme was coordinated by Dr Himanshu Singh and Dr Rahul Dubey under the guidance of Dr Vandana Vikas Thakaremadam and Dr Pramod Kumar Singhal. More than 80 participants attended the session.
- A **Designathon**, a creative **poster design competition**, was organized on 29th Mar 2026 in collaboration with the Aarambh Club and the Student Activity Centre, MITS-DU, Gwalior. The event sought to cultivate creativity, innovation and visual communication abilities among 149 students organized into 72 teams. Participants developed inventive posters in response to specified problem statements. The event allowed sufficient time for ideation, conceptualization and implementation, ensuring excellent outputs evaluated by **Dr Varun Sharma** and **Dr Himanshu Singh**.

BHUBANESWAR

- On 14th Mar 2026, **Gandhi Engineering College, Bhubaneswar**, hosted its **inaugural function** for the newly admitted first-year ISF students. A total of 102 new members joined the function. The gathering was welcomed by **Prof (Dr) PR Tripathy**, Dean (Academic), who also elucidated the necessity of becoming a member of IETE. **Dr A Baradeswaran**, the Principal of the College, advised the students to be genuine in their participation in the ISF’s activities. **Dr KVNS Rao**, the college’s Director, prioritized the development of skills and said that IETE serves as the optimal platform for this endeavor. **Dr S K Brahma**, ISF Coordinator of the IETE Bhubaneswar Centre, addressed the advantages of ISF membership. Certificates and I Cards were distributed to the members. **Prof K Das** concluded the meeting with a vote of thanks.
- On 20th Mar 2026, the new ISF was inaugurated at **Konark Institute of Science & Technology** in Bhubaneswar, with 51 student members in attendance. The function was attended by **Prof PS Khuntia**, Principal, **Prof SN Pattnaik**, Dean, **Prof A Panigrahi**, Students Welfare Officer, **Shri B Pal**, Vice Chairman of IETE, Bhubaneswar and **Dr SK Brahma**, Coordinator of IETE,

BBSR. The new ISF members were warmly welcomed by the Principal, **Prof PC Khuntia**. The students were advised by Dean **Prof SN Pattnaik** to organize a sufficient number of co-curricular activities. **Shri B Pal**, Vice Chairman of IETE, Bhubaneswar, promoted the advancement of areas of our interest (electronic and communication technologies) through seminars and projects. IETE Coordinator, **Shri SK Brahma**, provided an explanation of the facilities available to the ISF members in Bhubaneswar. Students were awarded prizes for their participation in various activities. The vote of gratitude was extended by **Prof BB Parida**, the Coordinator of the ISF.



CHANDIGARH

IETE Chandigarh Centre organized the following activities during the past months:

- The Centre observed **Republic Day** on 26th Jan 2026 graced by **Prof Shantanu Bhattacharya**, Director of CSIR-CSIO Chandigarh, as the Chief Guest. He congratulated the audience and wished for the nation to reach its full potential. The meeting was greeted by **Dr Umesh Kumar Tiwari**, Chairman of the Chandigarh Centre. **Dr Amol P Bhondekar**, Hony Secretary; **Dr Surender Singh Saini**, Hony Treasurer; **Gp Capt RC Goyal**, FIETE; **Dr Labh Singh**, FIETE; **Dr Ramesh C Agnihotri**, EC member; **Dr Garima Saini**, EC member; **Dr Divya Agrawal**, EC member; **Dr Ritesh Kumar**, EC member; **Dr Prasant K Mahapatra**, EC member; **Shri Manjeet Singh**, EC member; and **Dr Amit Ladi**, EC member, graced the occasion.
- The IETE Chandigarh Centre held the following events on 25th Mar 2026: **Shri Rahul Jana** from CSIR-CSIO Chandigarh



arranged a quiz competition as part of the **IETE Students' Day celebration**. There were about thirteen teams who competed, each with three members from various ISF colleges. Team 6 from **Punjab Engineering College** took home the **first prize**, followed by Team 3 from **Chitkara University** and Team 11 from **Indo Swiss Training Centre**. The Honorary Secretary, Dr Amol P Bhondekar, read a message from IETE President Shri Sunil. The message's main goal was to inspire students to pursue lifelong learning and professional involvement in order to solve global issues and advance humankind. The second part of the programme was opened with Saraswati Vandana, which included the lamp's ceremonial lighting and the lecture itself. The dignitaries were introduced by **Dr Divya Agarwal**, a member of the Executive Committee. **Dr Umesh Kumar** Tiwari, Centre Chairman of the IETE Chandigarh Centre, gave the welcoming speech. **Dr Neelesh Kumar**, Vice Chairman, emphasized the history and significance of the Sir CV Raman Memorial Lecture and expounded on the outstanding accomplishments and scientific legacy of Sir CV Raman. A hearty welcome was extended to **Dr Rishemjit Kaur**,



the Chief Guest and the invited speaker, as well as members of the Executive Committee, corporate members, CSIO Scientists and students from several ISF colleges. Dr Rishemjit Kaur gave her talk on **"Culinary Compass: Navigating Nutrition with AI-Powered Food Recommendations and Cultural Specificities."** Her expert session, was quite educational and well-explained. An interesting Q&A session ensued after the discussion, which sparked a lot of curiosity. The women Fellows of the IETE Chandigarh Centre were congratulated to start the **Women's Day**



Celebration program. During the ceremony, six women Fellows were recognized: **Dr Mala Kalra** (F-501533), **Dr Garima Saini** (F-237679), **Dr Divya Agrawal** (F-236235), **Dr Rishemjit Kaur** (F-505400), **Dr Neerja Garg** (F-506479) and **Dr Savina Bansal** (F-108233). More than 75 ISF students, Scientists and IETE Corporate Members attended the event. **Dr Surender Singh Saini**, Honorary Treasurer, proposed vote of thanks bringing the programme to a close.

CHENNAI

IETE Chennai Centre organized the following activities:

- IETE Chennai Centre conducted joint celebration for **IETE Foundation Day, Teachers' Day and Engineers' Day** on 7th Dec 2025. **Er N Sridharan**, Chairman welcomed the gathering. **Dr M Arun**, EC Member read out President's message. **Prof R Karthikeyan**, Hony Secretary, briefed the audience on the significance of the celebration and provided an overview of the activities undertaken by the Chennai Centre over the past few months. The Centre's initiatives, particularly in promoting education and technical excellence, were highlighted. The chief-guest, **Dr VS Kanchana Bhaaskaran**, Vice-Chancellor, Vellore Institute of Technology, Vellore, was conferred the IETE Engineering Excellence Lifetime Legacy Award. Other awards announced were: (i) IETE Award for Best Engineering College Principal: **Dr J Raja**, Principal, Sri Sairam Engineering College, Chennai, **Dr K Somasundaram**, Principal, Sri Muthukumaran Institute of Technology, Chennai (ii) IETE Outstanding Faculty Award: *Professor: Dr A Manimegalai*, Professor, Ganadipathy Tulsi's Jain Engineering College, Vellore; *Associate Professor: Dr GT Bharathy*, Assoc Professor, Jerusalem College of Engineering, Chennai, *Assistant Professor: Mrs S Mary Cynthia*, Asst Professor, Sri Venkateswara College of Engineering, Sriperumbudur. **Senior Member**, Shri A Sadagopan (LF-234680), assistant general manager (Retd), BSNL, TN Circle, Chennai, was also felicitated. IETE Chennai Centre donated a sum of Rs 25,000/- to Madhuram Narayanan Centre for 'Exceptional Children (disability), Chennai' from INTEND 2.0 conference surplus over expenditure. **Dr S Sumathi**, Hony Treasurer proposed vote of thanks.

- On 16th Dec 2025, **Dr D Vijendran Babu**, Secretary of the IEEE RAS Madras Chapter, Associate Professor of SENSE at VIT Vellore and EC member of Chennai Centre, in collaboration



with the IEEE Madras Section, gave a lecture on **“Digital Twin Technology: Shaping Smarter, more Connected Ecosystems.”**

- A webinar on **“Financial Planning for Professional Transformation of Savings into Investment”** by **Shri C Ravi Kumar**, founder & CEO, M/s CRK Financial Solutions (P) Ltd, Chennai, was organized on 20th Feb 2026.
- The Chennai Centre celebrated **Students' Day and National Science Day** on 28th Feb 2026. **Er N Sridharan**, Centre Chairman highlighted the various activities undertaken by the Centre. **Dr R Karthikeyan**, Hony Secretary read out IETE President's message and elaborated on the various initiatives taken by the Centre in recent months. The Centre felicitated **Dr Uday Khankhoje**, Professor, Dept of Electrical Engineering at IIT Madras for **IETE - Smt Ranjana Pal Memorial Award** winner (2025). The Centre also felicitated **Shri M Shyamkumar**, CEO, Vzync Studios Pvt Ltd, recognizing him as a **‘Young Student Entrepreneur’**. The honour was conferred with the aim of encourage fellow students to explore the path of entrepreneurship & innovation. **Dr Uday Khankhoje**, the Chief Guest for the event delivered an enlightening talk on **Antenna RF design in the age of AI**. He interacted with students and advised them to spend more time reading books than with mobile and strong basics in subject will help them think and new ideas will emerge. **Dr S Sumathi**, Hony Treasurer proposed vote of thanks.



DELHI

- The **IETE Delhi Centre Chairman, Prof Tarun Kumar Rawat**, NSUT, delivered a talk on **“Deep learning and neural networks: How they work”** on 28th Nov 2025, to support the IETE Students' Forum (ISF) and start its formation at Netaji Subhas University of Technology, Dwarka, New Delhi. Artificial Intelligence (AI) and Machine Learning (ML) were introduced at the start of the session and then Deep Learning—a specialized subset of machine learning—was thoroughly explained. Inspired by the structure and operation of the human brain, the speaker described the basic idea behind Artificial Neural Networks (ANNs). Deep learning's practical uses in image identification, audio processing, medical diagnosis, driverless cars and natural

language processing were highlighted. The speaker also discussed issues like the need for a lot of data, the high cost of computation and the interpretability of models.

- **IETE Foundation Day 2025** was celebrated on 28th Dec 2025, by facilitating a discussion on the theme, “**Indigenization of Hi-Tech and Critical Technologies.**” The theme emphasized the necessity of cultivating local expertise in innovative technologies and fostering self-sufficiency in essential technological domains. Prof Tarun Kumar Rawat, Chairman Delhi Centre, emphasized the objectives, accomplishments and ongoing contributions of IETE in advancing technical education, research and professional development. The speaker underscored the necessity for creativity and indigenous solutions in burgeoning fields such as electronics, communication systems and advanced digital technology. Members and participants engaged in the program and expressed their perspectives on the significance of indigenization in enhancing the nation’s technical environment. The debates demonstrated IETE’s dedication to cultivating proficient experts and promoting technological progress in accordance with national interests. **Shri Pankaj Kumar Sharma**, Hony Secretary, presented vote of thanks.

- The Centre administered the subsequent assessments: (a) IGNOU Term-End Examination (TEE) in December 2025 and January 2026, (b) Computer-Based Test scheduled in December 2025. (c) Computer Typing Test / Skill Test (English/Hindi) for the position of Assistant and UDC at Central Sanskrit University on 28th Dec 2025.

HYDERABAD

IETE Hyderabad Centre organized the following activities during the recent months:

- In association with Phytex Embedded India Pvt Ltd., started a one-month online **Proficiency Development Program on Embedded IoT Applications Development** w.e.f. 28th Sep 2025.

- Conducted **72nd IETE Foundation day Celebrations-2025** on 9th Nov 2025, where Chief Guest was **Shri Shipal Singh**, Outstanding Scientist, Program Director ATGMs, DRDL, Hyderabad, delivered **Prof S Narayana 14th Endowment Lecture** on the topic ‘**Missile systems and AI**’. On this occasion IETE Hyderabad Centre felicitated Prof S Narayana, Past President and DFIETE and also the senior members. Executive Committee Members, Distinguished Scientists, Former Chairmen, GC Members, Co-opted Members, Special Invitees, Distinguished Members, Professors, Faculty and Students were among the dignitaries who attended.

- **Dr Maheshkumar H Kolekar**, FIETE, SMIEEE, Assoc Professor, EE Dept, IIT Patna, delivered the **IETE–Dr KD Pavate Memorial Award-2025** lecture on the topic, ‘**AI based Brain Tumor Diagnosis for Healthcare Applications**’ on 28th Dec 2025.

- The Centre observed **Republic Day** on 26th Jan 2026 with ExeComm Members, Former Chairmen, G C Members, Co-opted Members, Special Invitees, Distinguished and Faculty Members.

- Celebrated the **IETE Students’ Day** on 1st Feb 2026. **Shri Ashwani Kumar Sangamkar**, Centre Chairman, presided over the function and implored students to take advantage of short-term courses conducted on topics like AI, ML, python, missile technology, blockchain *etc.* A project expo showcasing prototypes developed by students and a technical crossword was also organized.

- **Dr AD Sarma**, former Director and Advisor (R&D), Chaitanya Bharathi Institute of Technology, Hyderabad & Former Director, Research and Training Unit for Navigational Electronics, Osmania University, Hyderabad delivered **Prof SN Mitra Memorial Award Lecture** on the topic,



Current and Emerging Trends in Science and Technology in the Context of Radio Navigation at IETE Hyderabad Centre on 1st Feb 2026. His enlightening lecture addressed contemporary changes and prospective trends, offering study direction for subsequent inquiries. He claimed that no discipline in human history had progressed as swiftly as Electronics and he explored the topics of ionospheric communications, GPS, artificial intelligence, cybersecurity, cloud computing, quantum communications and 5G and beyond. He examined all facets of maritime communications, concentrating on governmental initiatives, specifically Sagarmala, Deep Ocean Mission, Sagar Manthan and Integrated Coastal Zone Management. His disclosures regarding the Data Acquisition.

- **Dr CVS Rao 10th Memorial Lecture** was held by the Centre on 1st Feb 2026. The speaker, **Prof ML Sai Kumar**, Distinguished Academician, Former Dean (Academics) at the Institute of Public Enterprise (IPE)



Hyderabad, delivered his talk on “**Entrepreneurship as a Career and Building an Innovation/ Product fit for Market.**”

- On 1st Mar 2026, the **National Science Day** was commemorated, with a presentation by **Dr Ashok Kumar Yadav**, Senior Deputy General Manager of ECIL, Hyderabad, on the topic of **Cyber Security Operations Centre: Challenges and Opportunities.**

- During the National Science Day celebrations, the newly established Centre's Award, the **Prof B L Deekshatulu Best ISF Student Forum Coordinator Award 2026**, was presented to the recipients by the Chief Guest of the event, **Prof S Narayana**, DFIETE & Emeritus President. **Prof BL Deekshatulu**, DFIETE, and **Sri K Subbi Reddy** were also present. The establishment of this esteemed award is intended to recognise the exceptional contributions and performance of ISF Faculty Coordinators/ Members who have significantly promoted IETE activities and encouraged student participation through the IETE Student Forum. The subsequent coordinators were acknowledged for their exceptional performance: 1. Award for the Outstanding ISF Coordinator: **Dr Y Rakesh Kumar**, G Narayanamma Institute of Technology & Science (GNITS); 2. Award for the Second Best ISF Coordinator: **Sri A Balaraju**, Mahatma Gandhi Institute of Technology, MGIT.



INDORE

IETE Sub-Centre Indore organized following activities during past few months:

- Chairman of the IETE Sub-Centre Indore, **Prof (Dr) Dhruva Ghai**, honoured the winners of the **VLSI Innovators Hackathon 2025** on 10th Oct, 2025. The recipients, **Eshmonti Kushwah** and **Sumit Prabhakar**, were the students from the BTech-V semester in the ECE program. The Dept of Electronics & Instrumentation Engineering at SGSITS, Indore, conducted AAROHAN 2025, which featured this competition. The Centre thanked its BTech-V semester electrical and electronics engineering students for their energy and unique ideas, which made the event more competitive.



- On 3rd Nov 2025, the IETE Sub-Centre Indore and the Techno-Club of Oriental University, Indore celebrated **IETE Foundation Day**. **Shri Rajeev Shukla**, the Principal Consultant for business development for AI in the process industry and a Life Member of IETE and Past President of the IETE-Navi Mumbai Chapter, talked on **“Indigenization of Hi-Tec and Critical Technologies,”** enriching the event. An awards ceremony followed the presentation.

- On 26th Jan 2026, IETE Sub-Centre celebrated the **77th Republic Day**. The NCC parade of disciplined youngsters, the flag-raising ceremony and playing of the national hymn, cultural programs featuring patriotic songs and remarks by teachers and guests emphasising the importance of the Constitution and the Role of Youth in establishing a nation were all part of the events.

- The Oriental University Indore held a session titled **“AutonoBotics 2.0 – Robotic Challenge 2026”** to commemorate **IETE Students’ Day 2026**. **Mr Imran Baig** from Robot Wala gave an introduction to robotics and gave a demonstration of embedded systems at the event, which was organized by the IETE Sub-Centre Indore, Techno Club and the EXE and ECE departments. **Tanuj Shrivastava** (CSE) won the Robotic Challenge after participants assembled peripherals and coded kits, while **Amit Singh’s** team finished second. **Prof (Dr) Dhruva Ghai** promoted the development of software and hardware skills. **Dr Vikas Tiwari** gave a vote of thanks to close the session, which was started by **Dr Dolly Thankachan**.

- The Dept of Electrical & Electronics Engineering at Oriental University, Indore, in partnership with the Training & Placement Cell and IETE Sub-Centre Indore, successfully conducted **an industrial visit to Farm Electronics**, a prominent manufacturer, exporter and supplier of voltage stabilizers, power inverters and transformers on 26th Feb 2026. In the course of the visit, students acquired practical knowledge regarding the design of products, the manufacturing process, the quality testing procedures and the real-time industrial applications of power electronics systems. The experience substantially improved their comprehension of technological advancements and industry practices in the power sector.



- An extensive global recognition program and campus events were conducted on 7th Mar 2026 to commemorate **International**

Women's Day 2026 at the IETE Sub Centre in Indore. The University concentrated on the theme of **"Empowering Global Women Leaders,"** awarding Certificates of Appreciation to distinguished women from around the world. **Ms Latha Raj** (IBM, India), **Dr Preeti Nair** (Parul University, India), **Ms Rania Lampou** (Ministry of Education, Greece), **Dr Randi D Ward** (USA) and **Ms Esther Mala** (Elegant Empire Education, Malaysia) were among the international leaders who were acknowledged for their contributions in the fields of technology, education and humanitarian aid.

JAMMU

IETE Jammu Centre celebrated **IETE's Foundation Day** on 28th Nov 2025 in collaboration with Govt Women College, Jammu, on the theme **"Indigenization of Hi-Tech & Critical Technologies."** **Dr Vijay Sharma**, Centre Chairman welcomed the gathering. Message received from President, IETE was read out by **Dr Radhika Khanna**, Hony Secretary. **Dr Anup Shukla**, dean student affairs, IIT Jammu, was the Chief Guest and the main resource person. He dwelt on the need for indigenization of technologies for making India a *Viksit Bharat*. Two senior members of IETE who have contributed immensely in advancing the technology in their field were felicitated: **Prof Parveen Lehana**, FIETE, former HoD Electronics Dept, University of Jammu and **Er Sameer Sharma**, Executive Engineer, J&K Power Development Department. **Dr Ravender Kumar Tickoo**, Principal Govt Women College, appreciated the efforts of IETE and encouraged the participants to remain abreast with the latest advancements in technologies. **Ms Sandeepa Kumari & Ms Supriya Sharma**, gave power point presentation on the topic. Certificates of Appreciation was given to **Dr Vishal Sharma & Dr Sarika Mahajan**, both from GCW, Jammu for their dedicated efforts in organization of this event including **Ms Shreya Anand** and **Ms Tanvi Dhar** for anchoring the event. Those who graced the occasion included **Maj Gen SK Sharma, AVSM (Retd), Prof Pawanesh Abrol, Prof Rakesh Vaid, Col Manotra** and **Dr Romilla Malla Bhat**, Principal Govt Degree College, Akhnoor. **Ms Tinny Sawhney**, Hony Treasurer proposed vote of thanks.



KANPUR

• Celebrated **IETE Students' Day**, jointly with IEEE AP-S Students Branch Chapter, IITK on 7th Feb 2026. **Prof Narendra Kohli**, Chairman welcomed the Chief Guest, **Dr Mohit Bhardwaj**, Asst Professor, Dept of Space, Planetary & Astronomical Sciences & Engineering, IIT, Kanpur. **Prof J Ramkumar**, Hony Treasurer, read the IETE President's Message. Prof Raghvendra Chaudhary, EE Dept, IIT Kanpur introduced the Guest speaker. In his presentation, **"When instrumentation drives discovery: Fast radio bursts and the next era of radio astronomy,"** **Dr Bhardwaj** elucidated that Fast Radio Bursts (FRBs) are millisecond-duration flashes of radio emission that originate at cosmological distances. FRBs were uncommon for nearly a decade following their discovery, despite their intrinsic brightness. This was not due to their rarity, but rather to the fact that



conventional radio telescopes were not intended to detect short-lived, unpredictable signals over extensive skies. FRBs have been transformed from a curiosity to a significant discipline of modern astronomy as a result of recent advancements in real-time computing and radio instrumentation. Utilizing the "Canadian Hydrogen Intensity Mapping Experiment (CHIME) Fast Radio Burst project" as a case study, he demonstrated how the wide-field telescope architecture, digital beam-forming and high-throughput detection pipelines transformed CHIME into a FRB discovery generator. He unveiled the next generation of facilities, such as the Square Kilometre Array, the Canadian Hydrogen Observatory and Radio-transient Detector and the Deep Synoptic Array 2000. He also discussed advancements in localization, bandwidth and low-latency computing that will make the upcoming decade a defining era for radio astronomy. The presentation prioritized tangible instrumentation lessons and underscored the direct impact of RF and systems expertise on the discovery of new astronomical phenomena.

• Celebrated **International Women's Day** on 8th Mar 2026 via Zoom meet. **Prof Narendra Kohli**, Chairman, IETE Kanpur Centre welcomed the participants. The distinguished speaker, **Prof Vandana Dixit Kaushik**, Professor of CSE Department and Dean of Academic Affairs at Harcourt Butler Technical

University, Kanpur, was introduced by Prof Pragya Agarwal, HoD of the Department of Physics at DBS PG College Kanpur. Prof Kaushik delivered a lecture on the topic of **“Give to Gain.”** She emphasized that genuine success in life is not solely derived from personal gains or accomplishments, but rather from the willingness to make a positive impact on society. She clarified that the principle of ‘Give to Gain’ underscores the significance of exchanging knowledge, experience, time and positive energy with others. Individuals contribute to the development of a culture of collaboration, empathy and collective progress by providing support and guidance to those in their vicinity. She believes that the act of giving, whether in the form of mentorship, encouragement, or intellectual contribution, ultimately results in more meaningful opportunities, trust and respect in life. She also emphasized the importance of this philosophy in the realms of education and social development. She asserted that educators are essential for the development of students’ ethical responsibility, motivation and values, in addition to the transmission of academic knowledge. The vote of thanks was proposed by **Er Prashant Kumar**, the Honorary Secretary.

KOCHI

- The Centre organized a practical workshop titled **“Python Primer”** on 7th Oct 2025, at KMEA Engineering College, Edathala, in collaboration with the IETE Kochi Centre and the ISF Unit of KMEA Engineering College. **Dr Smitha K M**, Dean of Academics at KMEA and **Dr Shahin MAbdulla**, HoD, Electronics and Communication Engineering at KMEA, participated in the workshop. The workshop began with an overview of Python’s significance as a diverse and potent programming language. The facilitators elucidated fundamental topics like data types, control structures, functions and file handling, accompanied by demonstrations utilizing Python IDEs and libraries. Participants engaged in practical sessions, doing minor coding activities and examining the applications of Python in data analysis, automation and project creation. The session’s interactive style fostered active engagement and problem-solving discussions.
- A hands-on workshop on **“UWB Antenna Design Using CST”** was hosted by KMEA Engineering College, Edathala, on 8th Oct 2025, in partnership with the IETE Kochi Centre and the ISF Unit. KMEA students’ Chief Guest was Dean of Academics **Dr Smitha K M**. The session included **Dr Shahin M Abdulla**, HoD, ECE, KMEA. UWB communication technologies and their applications in radar, biological imaging and wireless communications were introduced to start the curriculum. The resource person explained antenna design theory and demonstrated CST Studio Suite simulation. Participants got systematic UWB antenna design, simulation and analysis advice. Students understood design optimization and performance evaluation through interactive discussions and practical exercises.

- On 8th Dec 2025, IAF Toc H Institute of Science & Technology (TIST), Arakkunnam, successfully hosted the **72nd Foundation Day** of the Institution of Electronics & Telecommunication Engineers (IETE). In keeping with the ITU Theme 2025, **“Indigenization of Hi-Tech and Critical Technologies,”** the program was co-organized by the IETE Kochi Centre and the IETE Student Forum (ISF), Toc H. A prayer hymn that called for divine blessings for the event’s success, kicked off the program. **Prof (Dr) Deepa Elizabeth George**, Vice Principal and HoD, Electronics at TIST, gave a welcoming speech, stressing on the value of IETE and the significance of indigenization in cutting-edge and vital technologies for the advancement of the country. In the absence of **Prof (Dr) M V Rajesh**, Chairman, IETE Kochi Centre and Secretary General, IETE, **Prof (Dr) Riboy Cheriyan**, Hony Treasurer, IETE Kochi Centre, gave the introductory speech and the message from the Secretary General, IETE. He gave the



audience an overview of IETE’s goals, operations and contributions and emphasized its efforts to support domestic technical advancement. **Dr Kiran Govind V**, Senior Scientist-F and Group Director (PPC), Naval Physical & Oceanographic Laboratory (NPOL), DRDO, Thrikkakara, Kochi, was the honored Guest who gave the keynote talk. His presentation, which was in line with the ITU subject, inspired students to contribute to national self-reliance by offering insightful information about the indigenization of important and high-tech technologies, especially in strategic and defense applications. Dr A Unnikrishnan gave Dr Kiran Govind V a memento as a token of thanks and appreciation. Dr A Unnikrishnan, a distinguished Scientist who retired from NPOL (DRDO), a former Principal of Rajagiri School of Engineering & Technology and a Fellow Member of IETE, then gave the felicitation speech.

KOLKATA

- IETE Kolkata Centre hosted **Eminence-2026** in technical cooperation with ACM Kolkata Chapter, CSI Kolkata Chapter and ISTE WB Section. It was a half-day event featuring distinguished speakers from academia, industry and researches. **Prof (Dr) Jyotsna Kumar Mandal**, IETE Eastern Zone Mentor, opened the session in the presence of **Prof (Dr) Jyoti Sekhar Banerjee**,

Hony. Secretary IETE Kolkata Centre and **Ms Sharmila Ghosh**, Chairperson of the IETE Kolkata Centre. There were three very intriguing presentations. The first session was delivered by the eminent speaker by **Shri Abhijat Vichar**, ACM India Operations and ACM India, on the topic *Mathematics in Computer Science*. The second session was taken up by **Ms Sriparna Saha**, Associate Professor, IIT Patna and ACM India Eminent Speaker on *Artificial Intelligence in Healthcare Applications*. The third session was handled by Vice Chancellor of Ramakrishna Mission Vivekananda Educational and Research Institute (VERI), Belur, **Shreesh Maharaj** on the theme “*Computer Science: Past, Present and Future*”.

- On 14th Mar 2026, the IETE Kolkata Centre commemorated **International Women’s Day**. The event was held in a lively and motivating environment, with the involvement of distinguished guests, Faculty members and enthusiastic students. **Prof (Dr) Jyotsna Kumar Mandal**, the IETE Eastern Zone Mentor, was the Chief Guest at the program. **Ms Sharmila Ghosh**, Centre Chairperson and **Prof (Dr) Jyoti Sekhar Banerjee**, Honorary Secretary of the Centre, presided over the event. The program’s most notable moment was the recognition of **Prof (Dr) Nayana Majumdar** from the Saha Institute of Nuclear Physics in Kolkata as the “**Woman Achiever**” for her exceptional contributions to academia and research. Her dedication, accomplishments and inspirational voyage in the field of nuclear physics were recognized during the felicitation ceremony. Prof Majumdar imparted valuable insights from her academic and research experiences during her address and urged students, particularly young women, to pursue careers in science and technology with confidence and dedication. **Dr Debarati Dey Roy** conducted the program in a well-organized and engaging manner, gracefully anchoring the session. More than 40 students participated enthusiastically in the event, actively engaging with the speakers and gaining vital motivation from the discussions.



The **Students’ Day celebrations** were held on the same date at a later time. Chairperson **Ms Sharmila Ghosh**, welcomed the participants and read out message from the IETE President. **Prof (Dr) Jyotsna Kumar Mandal**, Mentor Eastern Zone, the Chief Guest emphasized the importance of innovation, interdisciplinary learning and the role of advanced communication technologies in

shaping smart city infrastructures. He encouraged students to actively engage in research and skill development to meet future technological challenges. The event featured insightful sessions by distinguished speakers, **Prof (Dr) Amartya Mukherjee**, HoD, CSBS and CSE (AI & ML) and **Shri Soumanka Sarkar**, Senior System Analyst at IEMA R&D. Prof Mukherjee elaborated on the integration of artificial intelligence with drone technologies and their applications in smart urban systems. Shri Sarkar shared valuable industry perspectives, focusing on system implementation, real-time data processing and practical challenges in deploying drone-based solutions. A hands-on workshop, ‘Internet of Drone



Things for Smart Cities,’ provided students with practical exposure to emerging technologies and their real-world applications. Students learnt the fundamentals of drone communication, IoT integration and smart city applications through interactive demonstrations and guided activities. They gained perspectives about data-acquisition, connectivity and intelligent decision-making systems in drone networks. **Prof (Dr) Jyoti Sekhar Banerjee**, Hony Secretary, proposed vote of thanks.

KOZHIKODE

IETE Kozhikode Sub Centre celebrated **IETE Foundation Day** on 2nd Nov 2025 in the presence of around 50 members, who attended the event.

MHOW

- The Mhow Sub-Centre was awarded the ‘Second prize’ at the IETE Annual Awards ceremony held at HQs on 3rd Nov 2025.
- The Sub Centre conducted a lecture on “**PQC based Chip Design for Long Haul Communication**” during the “Military Civil Fusion Seminar” at MCTE, Mhow on 26th Nov 2025. **Dr Kamaljeet Singh**, Director General of the Semi-Conductor Lab in



Dr Kamaljeet Singh, Director General of the Semi-Conductor Lab in

Chandigarh, presented the lecture under the auspices of the IETE Sub Centre, MCTE Mhow. He delivered an enlightening and instructive speech, which was well-received by both student forum members and teachers of MCTE.

- An online technical lecture entitled “**Drones as Force Multipliers: Innovations, Challenges and Military Applications**” was held on 10th Jan 2026, at Batra Hall, FCE, MCTE, Mhow. The lecture was delivered by **Dr B Karthikeyan**, Associate Professor (Senior) in the School of Electronics Engineering at VIT, Vellore. He delivered an incisive and informative lecture that was well-received by the Faculty members and student forum members of MCTE.
- On 2nd Feb 2026, the IETE Sub Centre Mhow, MCTE was visited by 120 students and Faculty members of the **Government Higher Secondary School, Chatli**, Barwani district in Madhya Pradesh, India in celebration of **IETE Students’ Day**. **Dr Bibhas Kumar Rana**, Honorary Secretary Sub Centre Mhow, received the students. The students were welcomed and provided with information regarding the Military College of Telecommunication Engineering and IETE. The student was transported to CTW, where they were introduced to a diverse array of training facilities and escorted to the CTW Motivation Hall. This visit was well-received by both students and Faculty members, as it was both informative and insightful.



- **Prof (Dr) Apoorva Patel**, IISc, Bangalore, delivered a technical lecture on “**Quantum Physics and its Implication for Quantum Advantage in Algorithms**” at Iyappa Hall, MCTE, Mhow on 7th Apr 2026. She delivered an instructive and insightful lecture, which was well-received by the Faculty members and student forum members of MCTE.



NAGPUR

- The IETE Nagpur Centre celebrated **Engineer’s Day** in collaboration with the ISF, E&TC Department and Yeshwantrao Chavan College of Engineering (YCCE) in Nagpur, Maharashtra, on 27th Sep 2025. **Dr Vivek Nanoti**, Director, LTJSS, delivered the keynote address. The event was inaugurated by **Dr UP Waghe**, Principal of YCCE, as well as **Dr Vijay Mankar**, **Dr DB Bhojar**, Honorary Secretary and **Er Ajay Sawatkar**. The event was organised by **Dr Shweta Dhondse**, the ISF coordinator and EC Members **Dr Sachin Khade** and **Shri RD Thakre**. **Dr Prachi Palsodkar**, the HoD of Electronics Engineering and **Dr MS Narlawar**, the HoD of Electronics & Telecomm Engineering, were in attendance. The vote of gratitude was proposed by Prof Shweta Dhondse, an EC Member.
- The **72nd IETE Foundation Day** was held on 25th Nov 2025, at the S B Jain College of Engineering in Nagpur. Dr VH Mankar, Centre Chairman, presided over the event and delivered a welcome remark. The theme of this year’s foundation day was “**Indigenization of Hi-Tech and Critical Technologies.**” The message from the President of IETE New Delhi was read by **Dr Dinesh Bhojar**, the Hony Secretary. The keynote speaker and Principal Guest was **Er Ajay Sawatkar**, a former BSNL Manager and Past Chairman of the IETE Nagpur Centre. The ISF organised the event with the goal of motivating students to pursue professional excellence and technological advancements in the disciplines of information technology, telecommunications, computer science and electronics. **Prof Sharda Chaudhari**, along with ISF students Forum; IETE EC Members **Dr RD Thakre**, **Dr SL Badjate**, Principal, SBJIT and **Dr Abhay Kasetwar** effectively coordinated the event.
- The ISF Priyadarshini College of Engineering, Nagpur, conducted the **IETE Students’ Day** on 7th Feb 2026 sponsored by the IETE Nagpur Centre. A seminar on “**Higher Education**” was arranged by the Dept of ECE under the auspices of IETE. **Shri Anirudh Bhardwaj**, Director, FC Overseas, conducted a Guest lecture. The speaker provided a comprehensive explanation of the admission process, eligibility requirements, financial planning and career prospects following a higher education. Additionally, students were provided with information regarding the selection of universities and the preparation strategies for competitive exams. The seminar is attended by 86 students and presented by **Prof V V Shirpurkar**, ISF incharge and **Dr Soni Chaturvedi**, Vice Chairman, IETE Nagpur Centre.
- A workshop on “**Development of Digital Public Infrastructure for Aadhaar**” was conducted on 11th Feb 2026 at the IEI Local Centre in Nagpur. The function was presided over by **Dr Sandeep Shirkhedkar**, Chairman of IEI and **Dr VH Mankar**, Chairman of IETE Nagpur Centre. The workshop was organised by **Er Ajay Sawatkar**, former BSNL manager and past

Chairman of IETE Nagpur Centre and Chief Guest and keynote speaker **Er Sumnesh Joshi**, DDG (DoT) Mumbai and Ex DDG (UIDAI). IETE EC members **Dr R DThakre**, **Dr S L Badjate**, **Er Prashant Phasate** and **Dr Dinesh Bhojar**, Centre Hony Secretary, effectively coordinated the workshop in collaboration with the ISF. The Honorary Secretary of the Centre presented vote of thanks.



NASHIK

On 7th Oct 2025, the Dept of ETC, hosted the ISF's inauguration ceremony at MVP's Karmveer Adv. Baburao Ganpatrao Thakare College of Engineering. The occasion signalling the start of a new platform under IETE for students to participate in technical activities, professional growth and creative learning. **Dr Apurva Jakhadi**, a Space Educator from Nashik, India, was the event's Chief Guest. Dr Apurva Jakhadi gave a thought-provoking talk on "Opportunities in Space Technology" during her session. She emphasised the new employment opportunities in satellite communications, aeronautical engineering, space research and associated technological disciplines. A solid start for upcoming technical activities and partnerships was made when 150 students signed up as IETE members.



On 2nd Feb 2026, **Dr MD Kokate**, conducted an expert session for SY E&TC students at MVP KBT College of Engineering's Department of E&TC in honour of IETE Students' Day. **Dr B N Shinde**, IETE Coordinator, arranged the meeting. His talk, "Enhancing Career Outcomes: Building Industry-Ready Engineers," focused on project work, technical skills, internships, communication abilities and general industry preparedness. For their four years of engineering school, the speaker helped them

create a solid career plan. Students were inspired to concentrate on developing their skills and gaining real-world experience in order to improve their employability and advance their careers.

The following activities were conducted by the Dept of Electronics & Telecommunication Engineering at the KK Wagh Institute of Engineering Education and Research, Nashik and IETE Nashik Sub-Centre during the past few months:

- On 11th Oct 2025, **Ms Ventakesh Sunitha**, a Physical Design Engineer at Takshila VLSI Institute, gave an expert lecture on "Job Opportunities in VLSI/Semiconductor Industry Tools" at the K K Wagh Institute of Engineering Education & Research, Nashik (Electronics & Telecommunication Department) in association with IETE Nashik Sub-Centre.
- The ETE Department at KKWIEER, Nashik and the IETE Nashik Sub-Centre enthusiastically celebrated the 72nd Foundation Day of IETE on 7th Nov 2025. This year's Foundation Day topic was "Indigenization of Hi-Tech and Critical Technologies". The gathering featured IETE luminaries. **Prof (Dr) DM Chandwadkar**, Chairman, IETE Nashik Sub-Centre; **Prof Dr SA Patil**, Head, ETE Department; **Prof Dr SS Morade**, Hony Treasurer, department Faculty and IETE members attended the programme. New participants learnt about the IETE. **Prof RV Chothe** read the President's message. **Prof (Dr) DM Chandwadkar** discussed IETE Nashik Sub-Centre's accomplishments and encouraged new hires to join IETE. **Prof Dr SA Patil** discussed self-reliance. Aatmanirbharta—high-tech and crucial technologies for national security and sustainable growth. A vote of thanks ended the event.



NOIDA

- One day capsule course titled, 'Solar energy and sustainability immersion as per IS 16221 (Part 2): 2015' was arranged on 11th Oct 2025 to raise awareness and give participants useful advice on how to properly handle solar energy and promote eco-friendly practices.
- Noida International University hosted a two-day international conference on "AI-driven Innovation for Industry 4.0 to Society 5.0" on 15th-16th Oct 2025. The objective was to discuss the most recent advancements, inventions and applications of AI technologies that are impacting the modern agricultural and social landscape. The conference was successful in cultivating

an environment of intellectual engagement and professional networking, which in turn motivated attendants to contribute to the development of a more sustainable, inclusive and intelligent society.

- The conference, which took place on 18th Nov 2025, at IILM University in Greater Noida, was designed to improve student engagement, industry exposure and knowledge of emerging technologies.
- On 29th Nov 2025, **Shri Neelabh Rai** delivered a lecture on “**cybersecurity.**” Cyber frauds and online scams are on the rise in the digital age, with a particular emphasis on senior citizens and government retirees. It is crucial to remain informed and safeguard oneself from cyber threats, as a significant number of services are now available online. The expert discussed the following topics: the reasons why senior citizens are targeted, the kinds of cyber frauds, the use of fake messages and links (including phishing), fraud schemes and government scheme updates, social media scams, fake applications and safety precautions.
- The **Silver Jubilee of the IETE Noida Centre** was commemorated with a grand event on January 31, 2026 at the Civil Services Officers’ Institute (CSOI), New Delhi. The event served as a significant milestone in the Centre’s journey, emphasising its continuous commitment to the advancement of technical knowledge and the promotion of professional development. Eminent academicians, renowned Scientists, former senior officials and prominent technical experts from a variety of



disciplines attended the Ceremony, which was distinguished by their presence. Speakers during the celebration underscored the remarkable growth, impactful initiatives and notable accomplishments of the Noida Centre over the past 25 years. **Shri GP Singh**, the Chairman of the Noida Centre, presided over the occasion and emphasised the Centre’s valuable contributions to technical education, research and training over the past 25 years. Additionally, he reiterated the Centre’s commitment to nation-building by pursuing excellence in science and technology. He also emphasised the significance of a future focus on innovation-driven initiatives, machine learning (ML), artificial intelligence (AI) and the Internet of Things (IoT). **Brig VK Panday**, the Honorary Treasurer of IETE, was the Chief Guest at the event, while **Dr Manju Mam**, the Secretary General, was the Guest of Honour.

- A workshop on the theme **The Need for a Sustainable Lifestyle**” was organized, where distinguished speakers including **Shri Ravi Verma, Ms Parleen Kaur, Brig Vinod Tandon** and **Shri Bimal Ranjan Pandey** shared their views on environmental protection, energy efficiency and the use of modern technologies. The speakers emphasized the importance of reducing carbon emissions, adopting smart technologies and implementing effective waste management practices. **Prof (Dr) Shailesh Mishra**, a renowned Scientist and environmentalist anchoring the program highlighted that transforming research and ideas into practical products and policies is the need of the hour to ensure real and sustainable development. EC members were honored for their dedication and valuable contributions: **Col Ashok Bhanot, Narendra Kumar Sisodiya, Col Hemant Trivedi, Prof Sanjay Sharma, Col Ramesh K Shrivastava, Ashish Gupta, Neelabh Rai, Prof (Dr) Tanya Singh, Prof (Dr) Shailesh Mishra, Brig Narendra K Dhand, Col Pramod Sharma, Brig Vinod Tandon, Shri Raman Kumar, Dr Ajay Kumar, Dr Aarti Dinkar and Ashish Gupta.** During the ceremony, the new official website of IETE Noida Centre, <https://ietenoida.in/> was launched.



- A two-week short term training program on “**Emerging Trends in AI, ML and Cyber Security -- From Fundamentals to Frontiers**” was held in collaboration with School of Information & Communication Technology, Gautam Buddha University, Greater Noida & the Association of Indian Universities and its Academic & Administrative Development Centre (AIU-GBU AADC) during 2nd -14th Feb 2026. In his presentation, the honourable Vice-Chancellor, **Prof Rana Pratap Singh**, emphasised the significance of the programme in the modern world, which is driven by technology. He elaborated on the vastness of natural intelligence, its harmony with artificial systems and encouraged participants to pursue innovation guided by ethics, wisdom and interdisciplinary thinking. During the programme, **Dr Nidhi Singh**, who is the nodal officer of the AIU-GBU AADC and **Dr Aarti Gautam Dinker**, who is the programme convener, provided an overview of the program’s aims, structure and academic relevance. **Dr Arpit Bhardwaj**, Dean, School of Information and Communication Technology highlighted the growing convergence of intelligent systems and cyber resilience, stressing the need for strong conceptual foundations coupled with frontier research in

these rapidly evolving domains. A vote of thanks was proposed by **Dr Raju Pal**. The event was graced by the presence of **Dr Arun Solanki**, Head of Computer Science and Engineering, **Dr Vidushi Sharma**, Head of Electronics and Communications Engineering, **Dr Anurag Singh Baghel**, Chairperson of the Computer Centre and **Dr Vimlesh Kumar**, Assistant Registrar. Among the student volunteers who helped facilitate the arrangements were Tamal, Kavya, Katyani and others.

- Course, **Waste to Wealth: Capsule Course on E-Waste Management**, focusing on sustainable and responsible e-waste practices was organized on 21st Feb 2026. The program provided essential knowledge on e-waste handling, recycling and resource recovery, while encouraging entrepreneurship and environmental responsibility for a more sustainable future.

PILANI

- A Seminar on “**Research Paper Writing Methodology Encompassing Plagiarism**” was held on 27th Mar 2026 at BK Birla Institute of Engineering & Technology, Pilani, in collaboration with Entrepreneurship Awareness Program (EAP) by MSME, Govt of India, ISF- BKBIET & Department of Applied Science and Technology. **Dr YK Gupta**, HoD, AS&H, BKBIET greeted the guests with bouquets. Dignitaries present included: **Prof BN Basu**, Adjunct Professor, SKFGI (West Bengal), former professor & Head, IIT-BHU; **Dr Nikhil Suri**, Scientist F, CSIR-CEERI, Pilani; **Dr Bhusaheb Ashok Botre**, Scientist F, CSIR-CEERI, Pilani; **Prof Bijay Kumar Rout**, Director, BKBIET, **Dr Hasibur Rahman**, Assoc Professor, ECE, BKBIET. **Dr Nikhil**



Suri introduced the Entrepreneurship Awareness Program (MSME), highlighting its significance in fostering innovation and entrepreneurship among students. **Prof Bijay Kumar Rout**, Director, BKBIET shared motivating insights and encouraged students to actively engage in research and innovation. **Dr Hasibur Rahman** introduced the keynote speaker, **Prof BN Basu**, who delivered his invited talk covering key aspects namely: Structure of research papers, Ethical writing practices, Avoidance of plagiarism, Importance of originality and patents. The program was organized under the guidance of **Dr Krishna Meel**, EC Member, ISF Faculty coordinator, who also proposed vote of thanks.

PUNE

- Felicitation of Senior Members were organized on 27th Nov 2025. **Dr DS Mantri**, Hony Secretary, welcomed all and read out the message from the President IETE. Three senior members were felicitated: **Dr Jaya Panvalkar**, United Nations Fellow, ISB Hyderabad; **Shri Ajit C Gangal**, (Retd) Joint Director, Central Water and Power Research Station, Khadakwasla South; and **Shri Mandar J Khurjekar**, University of Manchester, UK. **Dr RD Kharadkar** and **Dr DS Bormane**, were honoured with a bouquet of flowers and a memento.
- IETE Pune Centre in collaboration with MES's Wadia College of Engineering (MES WCOE), Pune celebrated the **72nd IETE Foundation Day** on 10th Dec 2025 on the theme, ‘**Indigenization of Hi-Tech and Critical Technologies**’. **Dr (Mrs) Pranoti P Mane**, HOD (E&TC) welcomed the gathering, opening remarks were given by **Dr (Mrs) MP Dale**, Principal, MES WCOE. **Dr Sunil B Somani** briefed the audience about the program along with message of IETE President. **Dr Dnyaneshwar S Mantri**,



Hony Secretary, IETE Pune Centre, Prof and HoD, Dean Academics Sinhgad Institute of Technology, Lonavala, presented the IETE Pune Centre report. Dignitaries who graced the event included: **Dr RD Khardkar**, Vice-President, IETE & West Zone Mentor, Vice-Chancellor, GH Rasoni International, Skill Tech University, Pune; **Dr DS Bormane**, Chairman IEI, Pune Local Centre, Principal AISSMSCOE, Pune, **Prof Hemangee K Kapoor**; IIT Guwahati (Winner of IETE - Smt Triveni Devi Gupta Memorial Award, **Dr VV Shete**, Immdtt Past Chairman, Dean National Education Policy, Ranking & Accreditation, MIT-ADT University, Pune, **Dr MM Kukarni**, Vice-Chancellor, Vishwakarma University, Pune. Dr RD Kharadkar presented the **Best IETE Centre Award** from IETE Hqs to **Dr Sunil B Somani**, **Chairman** and EC members of the IETE Pune Centre; Dr Kharadkar presented the Third Best ISF Award to **Dr DS Bormane** and **Dr Itkarkar**, ISF Coordinator AISSMS College of Engineering, along with student members. For AY 2024–2025, the Centre established the Best ISF Awards as a new tradition to encourage and promote student engagement, technical excellence and healthy competition for organizing Technical Cultural, Sports and Social events through ISF and IETE Pune Centre: The Awards conferred included: *First* Best ISF Award: **GH Rasoni College of**

Engineering, Pune; *Second Best ISF Award*: **JSPM's BISCOR, Pune**; *Third Best ISF Award (Joint)*: **MES Wadia College of Engineering, Pune**; *Consolation Award*: **Dr DY Patil College of Engineering, Pimpri**. The speeches that followed were: **Prof (Dr) Hemangee K. Kapoor's** keynote address on "**Emerging Memory Technologies: Longevity and Applicability in ML Accelerators**"; **Dr D S Bormane's** invited Guest speech focused on **industry-academia cooperation** and the function of professional organisations like IETE and IEI. **Dr RD Kharadkar**, Chief Guest, highlighted technological self-reliance and leadership in engineering education. **Dr PN Kota**, proposed vote of thanks.

- IETE Pune Centre, in collaboration with Dr DY Patil Institute of Technology, Pimpri, Pune, held **Women's Day celebrations** and **Dr K R Phadke Memorial award ceremony** on 10th Mar 2026. The event's Chief Guest was **Shri Tarasingh ji Sr**, an IETE Member and former DRDO Scientist. **Shri Krishna Mohan**



Kumar (AGM, Vodafone Idea) received the **Dr K R Phadke Award** for his exceptional contribution to the telecom sector. **Dr Sarika Khope**, Head of the Innovation Centre at GH Raisonni College of Engineering & Management in Pune, received the Women's Achievement Award for her exceptional accomplishments in the field of intellectual property rights. Recently, **Hon'ble Piyush Goyal ji**, Hony Minister of Commerce & Industry, GoI, facilitated Dr Sarika for filing record number of copyrights. Dr SB Somani, Chairman of IETE Pune Centre; Dr R D Kharadkar, Vice President, IETE HQ, New Delhi & West Zone Mentor; Dr Dheeraj Agarwal, Pro VC, DPGU; Dr D G Bhalke, Senior Member, IETE; Mr G K Dawara, Former Chairman, Pune Centre; Dr DS Mantri, Hony Secretary, IETE Pune Centre; Principles, ISF HOD and Coordinators attended.

RAJKOT

- In collaboration with DPIIT, Startup India, DGFT, Invest India and more than 25 national and international organisations, the Atmiya Innovations Foundation hosted Gujarat's Biggest Startup Festival - **Startup Forerunner & Startup Mahasangam 2025** at Atmiya University in Rajkot from 17th to 21st Dec 2025. The Entrepreneurship Development Programme (EDP) and Accelerator Programme included participation from over 600 startups, 9 national entrepreneurship master trainers, over 10 national speakers and industry experts, 19 investor bodies, a

40+ crore investment pool for individual startups, 25-30 selected startups pitching live to investors, thirty or more hours of practical training and mentoring and 3000+ entrepreneurs and innovators under one roof. There were ministers from the government, investors, members of the media, global incubators and industry leaders there.

- IETE Rajkot Centre in association with CSE Dept, Saurashtra University, Rajkot & IEEE CIS GS, celebrated the **72nd Foundation Day** of IETE on 24th Dec 2025. Welcome address was delivered by **Prof (Dr) Atul M Gonsai**, HoD CSE, Saurashtra University, Rajkot and IPC IETE Rajkot Centre. **Dr Nilesh B Kalani**, Chairman IETE Rajkot Centre, highlighted about history of IETE and subsequent strides as of date. **Ms Amee K Daiya**, Hony Treasurer IETE Rajkot Centre read out the IETE President's Message. **Shri Abhishek N Pujara**, Founder & Executive Chairman, SKY9 IT Craft, delivered the expert talk on 'Indigenization of Hi-Tech and Critical Technologies'. Two IETE members were felicitated: **Dr Nalin N Jani (F160498)** & **Er Dinesh P Ghiya (AM183905)**. **Dr Siddharth Joshi**, Vice-Chair



IEEE CIS GS, Fellow IETE and Asstt Professor, PDEU, Gandhinagar, proposed vote of thanks. The event was handled by **Ms Juhi Acharya & Ms Kashish Mehta**, CSE Dept, Saurashtra University, Rajkot. Overall program was coordinated by **Ms Amee K Daiya**, Hony Treasurer IETE Rajkot Centre. with the assistance of **Dr Divyesh R Keraliya**, Hony Secretary, IETE Rajkot Centre.

- IETE Rajkot Centre in association with AV Parekh Technical Institute (AVTI), Rajkot, celebrated **IETE Students' Day** on 24th Feb 2026. **Ms Manisha Goswami**, HoD, CSE welcomed the gathering. **Dr Darshita Pathak**, CE Dept, AVTI read out IETE President's message. **Prof (Dr) Atul M Gonsai**, HoD, CSE, Saurashtra University, Rajkot and immdt past Chairman delivered an insightful talk on **Applications of AI Using Machine Learning**. **Dr Divyesh R Keraliya**, Centre's Hony Secretary, proposed vote of thanks.

- On 8th Mar 2026, Rajkot Centre observed **International Women's Day**. The Chairman, **Dr Nilesh B Kalani**, greeted everyone. **Mrs Bina Raval**, a motivational speaker and retired teacher from GT Sheth Vidhalaya in Rajkot, was the Chief Guest and gave a knowledgeable discourse on **Give to Gain**. Her talk was incredibly motivating and offered insightful information

that struck a deep chord with the audience. Mrs Bina Raval was commended by the IETE Rajkot Centre for her exceptional accomplishments, commitment and important contributions to the fields of social service and education. The Hony Treasurer, Ms **Ameek K Daiya**, offered vote of thanks and read her own poetry with a Women's Day theme. All of the female participants were encouraged by **Prof Nehal Karelia & Mrs Khyati Popaliya**, the IETE Members to talk about their personal development experiences. Some of them said that "Give to Gain" mentality inspired them to make more contributions to society.



SIVAKASI

IETE Sivakasi Centre organized the following activities at Mepco Schlenk Engineering College (MSEC), Sivakasi, which included:-

- **Third Techno Blaze** (2025-2026), which was a lecture-cum-group discussion, held on 13th Oct 2025. **Dr T Sabapathi**, Centre Chairman, welcomed all, while **Dr J Senthil Kumar**, Hony Secretary, introduced the speaker. **Dr G Yogarajan**, Assoc Professor, IT Dept, (MSEC), delivered a lecture titled '**Role of Artificial Intelligence in Smart Grids**', explaining the use of machine learning algorithms for demand forecasting, fault detection and energy optimization, as well as the integration of data analytics and IoT for real-time monitoring and adaptive control. He further elaborated on the topic '**Role of AI in smart grids**', emphasizing how it is revolutionizing the operation and management of modern power grids by enabling intelligent monitoring, predictive maintenance & efficient energy distribution. He highlighted the importance of ethical AI, cyber-security and data privacy in the deployment of intelligent grid systems. **Dr R Newlin Shebiah**, MIETE, proposed vote of thanks and concluded the programme.

- The **72nd IETE Foundation Day** was commemorated by the Centre on 7th Nov 2025, with the theme of "**Indigenization of Hi-**

Tech and Critical Technologies." The assemblage was warmly welcomed by **Dr B Vijayakumari**, the Honorary Treasurer. The message from the President of IETE was read out by **Dr T Sabapathi**, the Chairman. **Dr J Senthil Kumar**, the Honorary Secretary, introduced the speaker. **Dr E Amrutha**, an Assistant Professor in the EC Department at MSEC, delivered an insightful lecture on the topic of "**Forging the Future: Increasing the pace of indigenous innovation in the fields of AI and quantum**



computation." She presented the fundamental principles of quantum computing, elucidating how quantum bits (qubits), superposition and entanglement enable exponential computational power beyond classical systems. She also underscored India's expanding research strength, citing key institutions such as IISc Bengaluru, IIT Madras, IIT Jodhpur, TIFR, IISER Pune and HRI Allahabad, which are leading the way in quantum research and AI integration. The National Quantum Mission (NQM) and other significant national initiatives are designed to establish a robust research ecosystem, develop quantum communication networks and construct indigenous quantum computers by 2030. **Dr T Sabapathi**, Centre Chairman, presented awards to ISFs that had the highest number of student member enrolments during the academic year 2024-2025. The highest ISF membership distinction was awarded to the **ISF of Mepco Schlenk Engineering College, Sivakasi**. The second highest ISF membership distinction was held by the **ISF of PSR Engineering College Sevalpatti**. **Dr B Vijaya Kumari**, Honorary Treasurer proposed the vote of thanks from the Sivakasi Centre.

SURAT

IETE Surat Sub-Centre organized the following activities:

- The Sub-Centre organized three activities on 5th Apr 2025:
 - 'Scavenger hunt'**: The game played in teams of two, to find the partner and get ready to follow the clues, solve puzzles and race to find the hidden treasures
 - A state-level 'FPGA design challenge' held at EC Department Labs of SCET, where the students developed combinational/ sequential circuits using FPGA/CPLD Boards
 - A state-level competition '**Optical wireless practices 3.0**', held in three categories, viz. Design: theory to practice. Poster competition and Art & Intellect (using the given theme).

- A workshop titled ‘**Automation with N8N**’, was held on 8th Aug, 2025, introduced students to the use of N8N, an open-source workflow automation tool to create chatbots, set up automated reminders and integrate multiple apps and services seamlessly
- Three activities held under **Tech-fest Symposium 2K25** during 19th – 20th Sep, 2025 were: (i) ‘*Techno-Samvad*’ that provided students with a realistic mock-placement experience (ii) ‘*Sutra Sync*’ that provided a collaborative-platform to demonstrate the knowledge of electronic components, apply logical reasoning in a game-based format and develop hands-on problem-solving abilities through Arduino based practical tasks (iii) ‘*Laser Strike*’, where participants had to align a laser beam using mirrors to hit the target
- The “**IoT Design Challenge 3.0**” was organised by the Surat Sub-Centre from 18th Nov to 20th Nov 2025. Approximately 70 participants showcased their captivating prototypes, which were accompanied by posters that included the group’s information, block diagrams, a brief explanation and outputs with an IoT design theme. The event offered a plethora of networking opportunities, enabling attendees to establish connections with the speaker, Faculty members and peers.
- On 20th Nov 2025, the Surat Sub-Centre commemorated the **IETE Foundation Day**. The event was attended by approximately 23 participants with tremendous enthusiasm and unity. The core committee, Faculty members and IETE members conducted a cake-cutting ceremony to commence the event. This was followed by engaging talks and enjoyable activities, which facilitated interaction and a sense of unity among all participants, making the celebration lively and enjoyable.
- ‘**IOT Workshop**’, held on 13th Dec 2025 and introduced participants to the basics of IoT and provided hands-on training with ESP8266 microcontrollers, sensors and cloud platforms like Blynk, ThingSpeak and Adafruit IO.

TIRUPATI

IETE Tirupati Centre in association with Madanapalle Institute of Technology & Science (MITS), AP, organized a one-day hands-on training on “**Computer vision and image processing fundamentals using Python and Open CV**” on 4th Oct 2025 by resource person **Dr P Anandan**, Assoc Professor, School of Computer Science and Engineering, Vellore Institute of Technology, Chennai. **Dr AV Pavan Kumar**, HoD, EEE welcomed the gathering and **Dr P Ramanathan**, Principal, MITS stressed the importance of learning technology by students. **Dr Dipankar Roy**, Dean Engineering, spoke on future education and skill development by students. **Dr S Rajasekaran**, HoD, ECE explained opportunities in image processing and Python. **Dr N Sridhar** delivered vote of tanks to conclude the programme.



THIRUVANANTHAPURAM

IETE Thiruvananthapuram Centre organized a seminar in collaboration with other professional societies on 19th Feb 2026, comprising two insightful lectures, namely ‘**AI in Wireless Systems**’ by **Dr BS Manoj** and ‘**Computing System for Aerospace**’ by **Dr Sreelal S**. On the same day, the Centre also celebrated **IETE Students’ Day** and felicitated IETE Best Researcher Award winner, **Prof BS Manoj** and **Dr Jayakumar M**, project Director, VSSC at the venue: St Thomas Institution of Science & Technology, Kazhakoottam, Thiruvananthapuram.

VADODARA

- The IETE Centre organized an **Industrial visit to Baroda Heavy Water Plant, Vadodara** on 20th Dec 2025, where 31 students of BE III year participated and it was led by **Shri Ramakant Sharma**, Chairman, Vadodara Centre, **Dr Hetal Pathak**, Hony Secretary, **Shri RP Gupta**, Hony Treasurer, **Prof Sunil Patel**, EC member, **Ms Manisha Mayavanshi**, Faculty, Maharaja Sayajirao University (MSU) and EC Member, **Dr Farah Khan**, Faculty, MSU & **Dr Bhavna Pancholi**, Faculty, MSU. Visitors were guided by **Shri Nitesh Mehta**, Officer on Special Duty, **Shri Nitin Rawat**, Instrument Engineer In-Charge & **Shri Tapan Ranjan Sahoo**, training in-charge, Heavy Water Board (HWBF), Vadodara. The HWBF team extended excellent support, hospitality and technical guidance throughout the visit, ensuring a well-structured and informative learning experience. During the visit, participants gained significant exposure to: Operational workflows of the Heavy Water Plant, instrumentation and control systems used in critical industrial processes, safety protocols, quality assurance mechanisms & training methodologies. The interactive sessions and explanations provided by the plant officials greatly enriched the academic and practical knowledge of the attendees.



- A National Seminar on “**Digital Parivesh Mein Grahak Anubhav: Avsar Avam Chunautiyan**” was organized by the Nagar Rajbhasha Karyanvayan Samiti (Bank), (NARAKAS) Baroda on 23rd Jan 2026 at Vadodara Gujarat. **Smt Preeti Agrawal**, Chairperson, IETE Ahmedabad Centre, was invited as a distinguished speaker and delivered an insightful talk on the evolving landscape of customer experience in the digital era, highlighting both opportunities and challenges. Distinguished guests present were: regional managers of Bank of Baroda, SBI, Union Bank of India. The seminar witnessed active participation from representatives of various government organizations and banks, with an attendance of approximately 200 participants. The session facilitated meaningful discussions and knowledge sharing on enhancing customer engagement in a rapidly transforming digital environment.



- A meeting was called at the Centre in the presence of **IETE President Shri Sunil** on 19th Mar 2026. President IETE, Shri Sunil addressed the EC members at the Vadodara Centre, outlining his vision and strategic direction for enhancing IETE’s role in furthering technical education and professional engagement. The primary topics of discussion were the enhancement of ISF activities by increasing student participation, technical events and membership growth. Opportunities for collaboration with academic institutions and industry were investigated, with a focus on innovation-driven programmes, technical workshops and collaborative research initiatives. The future roadmap for technical programmes and professional development, which encompasses conferences, seminars, training sessions and certification initiatives, was also discussed during the meeting. Members were able to exchange ideas, challenges and suggestions for enhancing IETE activities during an interactive session. The following were in attendance: **Shri Ramakant Sharma**, Chairman of the Vadodara Centre, **Shri Yashpal Goyal**, Immediate Past Chairperson, **Dr Hetal Pathak**, Honorary Secretary, **Dr Sorum Koita**, Head of EED, MSU and EC Member, **Shri RC Desai**, permanent invitee, **Shri Nareshkumar Garg**, Permanent Invitee, **Shri Tushar B Kher**, special invitee, **Dr Mamta Padole** and **Ms. Manisha Mayavanshi**, Faculty members of the MSU and EC.

VIJAYAWADA

- An International Conference on “**Intelligent Electronics and Communication Systems – 2025 (ICIECS-2025)**” was organised by Vijayawada Centre in association with **ISF at EC Dept, Prasad V Potluri Siddhartha Institute of Technology (PVPSIT), Kanuru, AP** on 27th Dec 2025 where, the Chief Guest **Shri Sunil**, IETE President, highlighted how emerging communication technologies can be harnessed to significantly enhance operational efficiency and productivity. **Dr VSD Rekha**, co-ordinator, ICIECS-2025 made introductory remarks about the conference. This was followed by speeches by **Dr C Subba Rao**, HoD, ECE, PVPSIT, **Dr SK Riyazuddin**, Hony Secretary, Vijayawada Centre; **Dr B Surya Prasada Rao**, Chairman; **Dr K Sivaji Babu**, Principal, PVPSIT; **Prof K Gnaneshwar Rao**, Zonal Mentor, South Zone. **Dr A Geetha Devi**, Co-ordinator, ICIECS-2025 & Hony Secretary, WEC, IETE, Vijayawada proposed vote of thanks.



- **IETE Students’ Day–2026** was celebrated by IETE Vijayawada Centre in association with ISF of the ECE Dept, Malineni Lakshmaiah Women’s Engineering College (MLWEC), Guntur Dist, AP on 10th Feb 2026, where **Dr B Surya Prasada Rao**, Chairman Vijayawada Centre was the Chief Guest. The IETE Video Promo was played. Following messages for IETE Students’ Day were given: IETE President’s message was read out by **Dr Shaik Riyazuddin**, Hony Secretary; **Dr K Venkateswara Rao**, Director, MLWEC; **Dr B Surya Prasada Rao**, Chairman; **Dr K Vara Prasad**, Hony Treasurer & **Dr D Vijaya Saradhi**, HoD, ECE & ISF co-ordinator, MLWEC, also addressed the audience.

Three colleges received the Best ISF Awards, namely **Usha Rama College of Engineering & Technology, Telaprolu, Krishna Dt**; IOT Dept, **Shadri Rao Gudlalleru Engineering College, Gudlalleru, Krishna Dt** and **Dhanekula Institute of Engineering & Technology Ganguru, Vijayawada**. Appreciation certificates were presented to the following ISF’s in the IETE Vijayawada Centre region: *Andhra Layola Institute of Engineering & Technology, Vijayawada*; *Bapatla Women’s Engineering College, Bapatla*; *Chalapathy Institute of Technology, Guntur*, *DVR Dr HS MIC College of Technology, Kanchikacharla, Vijayawada*; *KKR & KSR Institute of Technology & Sciences,*

Guntur, NRI Institute of Technology, Agiripalli; PVP Siddhartha Institute of Technology, Vijayawada; RVR & JC College of Engineering, Guntur; St Anns College of Engineering and Technology, Chirala; SR Gudlavalluru Engineering College, Gudlavalluru; VR Siddhartha Engineering College, Vijayawada; Tirumala Engineering College, Narasarao Peta, Usha Rama College of Engineering, Telaprolu; Vasireddy Venkatadri Institute of Technology Guntur; Vijaya Institute of Technology for Women, Vijayawada; Vikas College of Engineering & Technology, Nunna; and VIT-AP, University, Amaravathi, AP. Dr K Vara Prasad, Hony Treasurer proposed vote of thanks.

- **International Women's Day – 2026** was commemorated in association with Women Empowerment Cell (WEC), Vijayawada



Centre and ISF, ECE Dept, Vijaya Institute of Technology for Women, Vijayawada, AP on 15th Mar 2026. **Dr Pavani Priyanka**, Medical Officer and Pediatrician (APVVP), the Chief Guest, spoke on the theme, **Give-to-Gain--Empowering Women Together via women's health, education and empowerment**. Guest of honour, **Ms Sai Divya Anne**, Network Engineer of State Fund, Dublin, California, USA participated online. President **IETE Shri Sunil** participated as Guest of Honour in virtual mode and spoke on women's advancement and related topics. Other dignitaries present included: **Dr B Surya Prasada Rao**, Chairman Vijayawada Centre, **Dr Shaik Riyazuddin**, Hony Secretary, **Dr K Vara Prasad**, Hony Treasurer, **Dr T Vishnu Priya**, Chairperson, WEC, **Dr A Geetha Devi**, Hony Secretary, WEC & **Dr B Nagasirisha**, Hony Treasurer, WEC. **The IETE Shakti Women Achiever Awards** conferred on 26 women celebrities for their distinguished services in various fields. The management of the college congratulated the college Principal **Dr K Chaitanya** and **Dr T Vishnu Priya**, HoD, EC Dept for organizing the event. Chairman **Shri Boyapati Apparao** and Secretary **Shri BS Krishna** lauded the efforts of the organisers and called on everyone to fulfil their resolve to promote women's empowerment through education, technology and cooperation.

IETE Students' Fora (ISFs) Activities

A variety of activities were organized by the IETE Student Fora (ISFs), which is a consortium of engineering colleges located throughout the nation, during the review period to demonstrate its edge over other colleges. The ISFs are the active entities of IETE that are responsible for the institution's vibrancy and pride.

- **ISF at ECE Dept at Budge Budge Institute of Technology (BBIT), Kolkata**, proudly conducted a series of technical activities which included: *(i)* One day hands-on workshop titled "Arduino & its Sensor Interfacing (ASI-2025)" by its ECE Dept, in association with the ISF, BBIT Chapter, IEEE MTT-S Student Branch and IEEE WIE Student Affinity Group on **Mar 05, 2025**. Dr Sumanta Bhattacharyya, coordinator, ISF-BBIT, served as the event resource person. The workshop was primarily aimed at making the students learn the basic fundamentals of the embedded system followed by its applications in various fields. Around 32 ECE students attended the workshop. *(ii)* A one-day workshop on "Modern tools for RF and microwave components design and Analysis" was organized by the ECE Dept in association with IEEE MTT-S Student Branch, IEEE WIE Student Affinity Group and ISF-BBIT, on **Mar 21, 2025**. Dr Sayan Chatterjee, Professor, ETCE Dept, Jadavpur University, served as Chief Guest and Dr Soumyo Chatterjee, asstt prof, ECE Dept, HIT, Shri Sandipan Mitra, research scholar, Dept of ETCE, Jadavpur University served as technical experts. The goal of the workshop was to give instructors and students the chance to learn about RF component designs and practical knowledge in designing RF components, particularly microstrip antennas. The program was attended by about 70 ECE students and staff members. 32 kids participated in the hands-on activity. *(iii)* A one-day online distinguished Microwave Lecture on "100-300 GHz Wireless: Transistors, ICs, systems" was held

on **Apr 09, 2025** by Prof Mark Rodwell, University of California, Santa Barbara and aimed to provide other opportunities to Faculty members and students to get knowledge about high frequency RF component designs. It was attended by 30 participants from different departments. *(iv)* In strategic collaboration with the IEEE Women in Engineering (WIE) Affinity Group, IEEE-MTT-S and the IEEE ISTE Student Forum- BBIT, organized an invited talk and poster competition on **Apr 10, 2025**. The distinguished invited talk was delivered by Dr Mousiki Kar, an eminent figure in the global IEEE community. The event was centered on the theme "The Semiconductor Renaissance Driving the Future of Technology" with the poster competition specifically themed "Women Engineers: Building a Sustainable Future" The event saw enthusiastic participation from undergraduate students across multiple departments, including UG ECE, EE, CSE and DETCE. A total of 13 teams, comprising 24 students, participated in the poster competition, adhering to the rule of having at least one female member per team. *(v)* A one-day hands-on- workshop on 'STEM Tools to Fight Climate Change and Build Disaster Resilience' was organized on **Jul 15, 2025** in collaboration with the IEEE MTT-S and ISF-BBIT Student Chapters and with the IEEE WIE Student Affinity Group. It received support from the IEEE Humanitarian Technologies Board, IEEE MOVE Outreach India Program and the IEEE Kolkata Section SIGHT Group. Dr Sumanta Bhattacharyya, assoc prof, ECE Dept, served as the technical expert of

the event, delivering interactive sessions on environmental monitoring solutions and guiding the students through hardware-based activities. 40 school students participated and 8 UG BBIT-ECE students volunteered. **(vi)** The Dept of ECE, in collaboration with the ISF - BBIT, IEEE MTT-S Student Chapter, IEEE WIE student Affinity Group, organized a hands-on workshop titled “Arduino & its Actuator Interfacing (AAI-2025)” on **Aug 13, 2025** for the students. Dr Sumanta Bhattacharyya, the ISF coordinator was the resource person. The workshop was primarily aimed at making the students learn the basic fundamentals of the embedded system, followed by its applications in various fields. Around 30 ECE students attended the workshop. **(vii)** The ECE Dept in collaboration with IEEE Student Branch Chapters, celebrated the 58th Engineers’ Day on **Sep 15, 2025** to honour the birth anniversary of Bharat Ratna Sir M Visvesvaraya, the legendary engineer and statesman of India. The event featured a distinguished lecture by Dr Rahul Basu, assoc prof, Dept of ECE, BBIT, on the theme “Deep Tech & Engineering Excellence: Driving India’s Techade.” Around 60 participants attended the programme, engaging enthusiastically in discussions on India’s role in the Techade. **(viii)** A hands-on training session was arranged on the Bambu Lab P1S 3D Printer on **Oct 31, 2025**. The program aimed to provide students with practical exposure to additive manufacturing technologies, emphasizing their applications in electronics, prototyping and sustainable engineering solutions. The total number of registered students was 20 across ECE and allied departments.

- The ISF at the **EC Dept, G Narayanamma Institute of Technology and Science (GNITS) for Women, Hyderabad**, conducted following activities **(i)** On **July 9, 2025** a Guest lecture was organized on “A Technological Evolution: The Growth of Mobile Communication” by experts from BSNL, with the objective of shedding light on the evolution of mobile communication and offering career guidance to aspiring engineers in the telecom field. The lecture provided an insightful overview of mobile communication technologies, tracing the development from 1G to the upcoming 6G networks. The speakers explained the technical milestones, challenges in deployment and BSNL’s role in expanding telecom services across the country. The session also highlighted current industry demands, essential skills for students and opportunities in both public and private telecom sectors. The lecture emphasized the importance of cyber security in mobile networks and the growing need for skilled professionals in areas like network optimization and telecom software development. **(ii)** On **July 24, 2025**, a student orientation program on QNX RTOS under the MoU with Pi Square Technologies, was organized with distinguished speakers including Shri Raj Jain, Country Head, QNX; Shri Dasharatha M; Mrs Sangeetha Sharma and Shri Srinivas Raju J, APAC CEO, Pi Square Technologies. It included a presentation on QNX RTOS from Shri Raj Jain. The session concluded with an interactive Q&A segment, encouraging student participation. QNX (Quick Unix) is a commercial Unix-like real-time operating system, primarily used in embedded systems. Renowned for its microkernel architecture, QNX offers high reliability and real-time performance, making it ideal for applications in automotive, medical devices, telecommunications and industrial automation. Approximately 180 students from ECE and ETM has attended the orientation. **(iii)** An industrial visit was arranged to Pavaman Aviation Pvt Ltd and to Milstar RF and Microwave Systems Pvt Ltd on **Aug 7, 2025**. A group of 20 students visited Pavaman Aviation’s office at Nanakramguda, where they were introduced to various aspects

of drone technology. **(iv)** The Cognitive Gen-AI Hackathon was organized by the IETE-ISF and IEEE Student Branch of GNITS in collaboration with SmartBridge and IBM. The hackathon aimed to explore the potential of artificial intelligence in solving real-world problems. The event began with a three-day online bootcamp, providing participants with key insights into generative AI technologies. This was followed by a two-day offline hackathon on **Sep 3 & 4, 2025**, where over 100 teams competed to showcase their solutions. The event culminated in an engaging valedictory ceremony, with the Chief Guest, Shri K Akshay Kumar, who praised the teams for their dedication and innovative thinking. During this ceremony, the top 5 winning teams were announced and awarded exciting cash prizes, celebrating their hard work. Both students and the Chief Guest shared positive feedback about the event. The participants expressed their gratitude for the guidance and hands-on experience they gained. The Chief Guest congratulated the students for their exceptional work and encouraged them to continue exploring the field of AI. **(v)** An engaging fun game titled “Loop the Wire” in collaboration with Innovation & Incubation Cell was organized during Tejasya 2025 as part of the Engineers’ Day celebrations, on **Sep 23, 2025**. The event was inaugurated by the Principal Dr K Ramesh Reddy, who addressed the students with an inspiring speech highlighting the importance of innovation and creativity in engineering. **(vi)** An online workshop titled “Geospatial AI & Smart Mapping” was held on **Oct 12, 2025**, in collaboration with GNITS PNT Labs and Garudalytics Pvt Limited. The free event, which provided practical experience using GIS and AI tools, drew over 60 attendees. The session covered practical applications of geospatial technology in infrastructure development, smart mapping and urban planning, including how to access and utilize road maps using the internal Garudalytics platform. Live demonstrations of geospatial products and their applications in public safety, municipal planning and the environment were presented during the session. Additionally, participants learned how to use GIS in real-world situations, which improved their technical proficiency and comprehension of its usefulness. **(vii)** A Guest lecture on “Challenges and Career Opportunities in Semiconductors” was conducted on **Oct 24, 2025** for around 107 students (BTech and MTech) to enhance their understanding of the evolving semiconductor industry and its career prospects. The Guest speaker, Dr Krishna Kanth, Founder and CTO of MOSart Labs, shared his valuable insights on the current challenges faced by the semiconductor industry and the wide range of opportunities available for engineering graduates. The event concluded with a memento presentation to the speaker by the HOD and Faculty members. **(viii)** An industrial visit to Unistring Tech Solutions Pvt Ltd (UTS), Kondapur, Hyderabad, was arranged on **Oct 25, 2025**. A total of 27 students from BTech and MTech streams, participated in the visit, aimed at gaining practical exposure to advanced technologies in RADAR and simulators, embedded systems and defence communication systems. **(ix)** On **Nov 24, 2025**, about 60 II-Year students participated in an industrial visit to the NRSC Outreach Facility in Jeedimetla. The purpose of the visit was to help close the knowledge gap between theory and practice by exposing students to real-time space technology applications, remote sensing procedures and ISRO’s operational activities. NRSC specialists gave the students a briefing on ISRO’s launch vehicles, current ISRO–NASA partnerships and important remote sensing ideas throughout the session. In addition to being introduced to various satellite monitoring systems and global space centers, including those located in remote areas

like Antarctica, students were shown a variety of 3D satellite models, including highlights of Chandrayaan-3. (x) A Guest lecture with a hands-on session on “Intelligent Systems Using Neural Networks and Fuzzy Logic” on **Jan 6, 2026**. The session was organized for students to enhance their understanding of the Soft Computing course. The event aimed to bridge the gap between theoretical concepts and practical applications in intelligent systems. Around 75 students actively participated in the session. The session was handled by Shri A V Ramana Reddy, Principal Customer Success Engineer, MathWorks. He explained the evolution of AI, ML and DL with suitable examples. The resource person demonstrated different datasets and encouraged students to identify the type of problem and learning model involved. He also showcased real-world engineering applications, such as ECG signal analysis, to explain how neural networks and fuzzy logic are used in healthcare and other domains.

- **The ISF at the E&TC Dept of Ajeenkya DY Patil School of Engineering (ADYPSOE) in Lohegaon, Pune, Maharashtra**, organized several activities, including (i) an expert talk, titled “Role of Telecom Industry in Recent Era,” presented by Shri Amar Relan from the Ministry of Communications on **July 11, 2025**. He addressed telecommunications legislation, the shift from landlines to 5G, emerging trends like AI-enabled networks and the Internet of Things, along with concerns including infrastructure and cybersecurity. (ii) The Skill Development event “Mind Matics – The Math Olympiad” took place on **July 31, 2025**, with the objective of enhancing mathematical skills via interactive quizzes. Out of 35 competing teams, a screening test identified 16 finalists who competed in four rounds evaluating diverse mathematical skills. (iii) The Entrepreneurship Boot camp 2025, which took place from **Aug 5–7, 2025**, had a skill development program and eight expert sessions. At the end of the event, there was a pitching battle with more than 25 teams. Winners were chosen based on their creativity and ability to make the business work. There were over 110 entries and eight expert sessions helped participants improve their business skills. (iv) On **Dec 22, 2025**, the Tree Plantation Drive was effectively executed and was attended by dignitaries such as Dr FB Sayyad, Principal, ADYPSOE, Dr EB Khedkar, Vice President and Dr RK Jain, Vice Chancellor of ADYPU. The initiative was further bolstered by the participation of the Dean of the Institute, all HoDs and the NSS Unit. (v) From **Jan 27 to 31, 2026**, a five-day workshop on the HAM Radio System was conducted. Under the theme “Connect | Communicate | Innovate – Unlock the World of Global Wireless Communication.” An active participation was observed at the workshop, with 40 students and 5 Faculty members, registering. Shri V K Arya, Ex-DDG, DoT, Ministry of Communications and President of the Delhi Institute of Ham Radio (DIHR), conducted the sessions. Electricity and magnetism, AC theory, semiconductor devices, radio receivers and transmitters, morse code and radio regulations were included in the workshop. The theoretical and practical aspects were also addressed. Live demonstrations at the ADYPU campus included image downloading using HAM, VHF/UHF communication, GEO satellite-based HAM communication and HAM radio communication with Qatar, Ukraine and Kerala. Additionally, a repeater configuration was demonstrated. There was also guidance on the ASOC examination syllabus and practice questions. Dr Kamaljeet Kaur and Dr FB Sayyad, Principal, attended the valedictory function. The resource person also addressed the participants and emphasized the significance of HAM radio in emergency and

disaster management communication. Dr Kanchan Vaidya, HoD E&TC, concluded the program with a vote of thanks. (vi) A social outreach donation drive at Vikas Anath Ashram, Chikhli, was organized on **Feb 7, 2026**. The Chief Guest was Shri Mauli Harkal - Founder: Vikas Anath Ashram. The dignitaries present were: Dr Kanchan Vaidya, HoD (E&TC), Dr Ankush Kadu, Prof Seema Khamankar, Prof Shivam Agrawal. The initiative was conducted in view of the IETE Students’ day celebration, aligning the occasion with meaningful community engagement.

- **ISF at E&TC Dept, Nutan Maharashtra Institute of Engineering and Technology (NMIET), Talegaon, Maharashtra**, organized the ISF inauguration ceremony and II-Year Induction Program on **Aug 5, 2025**, with guidance from the IETE Pune Centre. In attendance were the dignitaries, instructors and II yr students. Principal Dr SN Sapali began the program with the auspicious Saraswati Vandana, invoking knowledge and wisdom. After this, Dean (R&D), Dr Vilas Deotare, HoD, Dr Sarika N Patil and other prominent Faculty members lit the lamp to start the ceremony. Academic year IETE committee formation was announced. Members who actively participated in the forum received IETE badges and ID cards. Principal Dr SN Sapali spoke about how technical clubs like IETE improve practical knowledge, problem-solving and leadership. Dr Vilas Deotare, Dean (R&D), encouraged students to participate in new initiatives and blend academic learning with extra curriculums. HoD Dr Sarika N Patil encouraged students to be proactive, use departmental resources and improve technical culture. ISF organized a ‘quiz competition’ on **Sept 04, 2025** on the occasion of the Teachers’ day. The Chief Guest on the occasion was Dr Vilas Deotare Dean R&D NMIET. This was to include assessing and challenging participants’ knowledge, promoting critical thinking and analytical skills, fostering healthy competition, developing teamwork, enhancing memory and information recall, increasing motivation and engagement around 65 students participated. An expert session on “Digital Tools for Innovation and Start-up Empowerment” was held on **Jan 20, 2026**, which began with the auspicious Saraswati Vandana performed by Principal Dr Pramod Patil, followed by the lamp lighting ceremony, jointly carried out by Dean (R&D), Dr Vilas Deotare, HoD, Dr Sagar Joshi and other esteemed Faculty members, marking the formal commencement of the event. Following the inauguration, a comprehensive introduction of Dr Vilas Deotare was presented by the II year student Ms Janhavi Karbhari and felicitation of Dr Vilas Deotare, Dean R&D NMIET by Dr Sagar Joshi, HOD E&TC. The program concluded on a positive note with a vote of thanks presented by Dr Neeta Karhadkar.

- **The ISF in the ECE Dept of Sarvajani College of Engineering And Technology (SCET) in Surat, Gujarat**, conducted the subsequent activities: (i) “Automation with N8N” was held on **Aug 08, 2025**. Around 55 participants participated in the event, which was designed to familiarize students with workflow automation and the practical uses of no-code and low-code solutions. The event concentrated on utilizing N8N, an open-source workflow automation platform, to develop chatbots, establish automated reminders and smoothly integrate various applications and services. (ii) “Techno-Samvad” was held on **Sept 19-20, 2025** with around 40 participants. It is a flagship event of the ECE Department, SCET, under the departmental tech-fest Symposium 2K25, designed to provide students with a realistic mock placement experience. (iii) The “Sutra Sync” event took place on **Sept 19-20, 2025**, with 65 participants, aiming to offer a competitive yet collaborative platform



for students to showcase their understanding of electronic components, employ logical reasoning in a game-based format and enhance hands-on problem-solving skills through Arduino-based practical tasks. It was organized under Symposium 2K25 at SCET. **(iv)** “Laser Strike” took place on **Sept 19-20, 2025**. Approximately 410 individuals engaged in the events. The event was non-technical, requiring contestants to align a laser beam with mirrors to strike the target. Player 1 operated the laser while Player 2 arranged mirrors to direct the beam precisely at the target. The round was time-sensitive and aimed at value. It was conducted as part of Symposium 2K25 at SCET. **(v)** “IoT Workshop” was conducted on **Dec 13, 2025**. The program familiarized participants with the fundamentals of the Internet of Things (IoT) and offered practical instruction on ESP8266 microcontrollers, diverse sensors and cloud platforms like as Blynk, ThingSpeak and Adafruit IO. The event was organized by the IC department of SCET.

- **Inauguration of ISF Forum at Anjuman Engineering College, Nagpur, was held on Aug 19 2025.**

- The following activities were conducted by the **ISF at the EC Dept of the DY Patil Institute of Technology (DIT) in Pimpri, Pune, Maharashtra:** **(i)** A visit to Spandan Orphanage Home was planned on **Aug 26, 2025**. The program aimed to spread happiness, foster empathy and inspire students to actively participate in the welfare of society. The Faculty Coordinator honored the orphanage’s founder, Shri Bhimrao Mhaske, during the event. This award highlighted their role as an inspiration to the society and commended their altruistic dedication to raising and helping underprivileged children. Faculty Coordinators Dr Pavankumar Paikrao, Shri Pawan Gawade and Shri Rajesh Bulbule interacted with the kids. Children were given fruit, biscuits and refreshments by volunteer students. **(ii)** A “Tree Planting Activity in Bavdhan” took place on **Aug 26, 2025**. Dr Smita Desai, an Associate Professor at DIT Pimpri, led the program. Faculty, students and volunteers from the local community participated in a Tree Plantation Drive organized by the university to promote sustainability and raise awareness of environmental issues. **(iii)** On **Sept 30, 2025**, Shri Yogesh Bhople, an expert in database systems and cloud technologies, gave a talk titled “Modern Database trends: Cloud and Distributed SQL System.” **(iv)** An Industrial visit to Cotmac Electronics, Pune, took place on **Sept 30, 2025** **(v)** A “GitHub Workshop” was conducted on **Oct 1, 2025**, including Ms Purvi Mathankar and Shri Amit Rai as the Chief Guest, along with Dr DG Bhalke, HoD Dept of ET and Dr AN Kshirsagar from DIT, Pimpri, in attendance. **(vi)** On **Nov 29, 2025**, “Kathni the Debate Competition” was conducted. The event was evaluated by Dr Gayatri Londhe, Shri Anirudha Daregaonkar, Shri Rajesh Bulbule and Mrs Vandana Katarwar. The competition comprised two rounds. 15 teams participated in the preliminary round, with a maximum of 5 players per group. The 3 victorious teams were declared after the discussions, during which the judges and the HoDs, Dr DG Bhalke, presented speeches. The tournament culminated in a medal ceremony honoring the winners and the participants.

- **ISF at ECE Dept at Narula Institute of Technology (NIT), Agarpara, Kolkata, WB** organized a series of activities, that include: **(i)** An event titled, “The Future of Work and the Work of the Future” on **Sept 10, 2025** with Dr Jyoti Sekhar Banerjee, Hony Secretary, IETE Kolkata Centre, with an objective to explore the shift from industry 1.0 to Industry 6.0 and emphasizing the role of ISFs in such times. The speaker

talked about industrial revolutions and technology’s impact, followed by a Q&A session. **(ii)** On **Nov 11, 2025**, a membership drive and a talk titled “One Nation, One Location, One Time: Sustainable Make in India” were held. Professor (Dr) Jyotsna Kumar Mandal, IETE zonal mentor (East) and Governing Council Member, presented an enlightening talk that emphasized the need of professional student organizations, the evolution from Industry 1.0 to Industry 6.0 and forthcoming employment trends, particularly with sustainability. An estimated 85 students, 10 teaching members and 5 staff members engaged in the event. **(iii)** On **Nov 24, 2025**, the ECE Dept and IEEE Signal Processing Society Student Branch Chapter held an expert session on “AI in 5G and 6G Communication”. Shri Chanchal Chakraborty, MD & CEO of ATMTowers India and ISA Kolkata section Vice president, was the keynote speaker. The speaker gave a fascinating discussion on how artificial intelligence will improve next-generation wireless communication systems. He highlighted 5G and 6G futures, AI-based network optimization and intelligent spectrum management. Students and teachers benefited from industry insights and new research trends during the session. **(iv)** On **Dec 12, 2025**, the ECE Dept and IEEE and IETE chapters held a technical session on “New Trends in the Electronics and Telecom Industry”. Ericsson senior leader and ICT expert Shri Indrajit Sanyal spoke at the session. Shri Sanyal emphasized shifts in telecom technology such cloud-native architectures, network virtualization, AI-driven network automation and software-defined networking. He stressed how telecom infrastructures are becoming intelligent, scalable and virtualized. The session was interactive, with students and staff participating. The speaker gave budding engineers career advice, industry experiences and best practices. Real-world telecom difficulties and future skill needs were presented to the audience. The Dept of **CSE (Data Science) of Narula Institute of Technology, Kolkata**, along with its **IETE Student Forum (ISF)**, put together the grand inauguration ceremony of the Student Chapter on **Feb 09, 2026**. Currently, the department has ninety members of the ISF. The event was attended by dignitaries from IETE, including Prof (Dr) Jyotsna Kumar Mandal, Chief Guest, Zonal Mentor-East at IETE and professor at the University of Kalyani. Prof Dr Debashis De, immediate past Chairman of the IETE Kolkata Centre, professor in the Dept of CSE at Maulana Abul Kalam Azad University of Technology, W.B; and Dr Jyoti Sekhar Banerjee, Hony Secretary, IETE Kolkata Centre, Associate Professor and HoD, CSE (AI&ML) at Techno Bengal Institute of Technology, Kolkata, were the guests of honour. Prof (Dr) Subhram Das, Principal, Narula Institute of Technology, delivered the welcome address. The ISF rewarded all members with a membership card, certificate, insignia and pen. The dignitaries also recognized the CSE (Data Science) department and its IETE Fellow members (Dr Chandrima Chakrabarti, Dr Nabanita Das) with a shawl, membership card and certificate. Dr Chandrima Chakrabarti, the ISF Coordinator and HoD of CSE (Data Science), delivered a vote of thanks at the end of the ceremony.

- **ISF at E&TC Dept, Bhivarabai Sawant Institute of Technology (BSIOTR), Wagholi, Pune, Maharashtra**, organized a series of activities in the past months: **(i)** An orientation workshop-“Avishkar 2025” on **Sept 12, 2025**, which was aimed to nurture curiosity, encourage critical thinking and inspire young minds to actively participate in research and innovation. Students got an opportunity to showcase their ideas, develop research aptitude and contribute towards knowledge creation and

societal development. **(ii)** Celebrated the 58th Engineers' Day on **Sep 15, 2025**, with the theme "Deep Tech & Engineering Excellence: Driving India's Techade," highlighting advanced technologies like AI, robotics and quantum computing. It inspired attendees to pursue innovation, underscoring engineering's crucial role in India's growth and global competitiveness. **(iii)** Celebrated Khande Navami on **Oct 1, 2025** with an inspiring alumni session. Ms Aditi Shrivastav and Ms Sejal shared their insights on placement preparation and industry expectations.

- **ISF at ECE Dept, GH Rasoni College of Engineering and Management (GHRCEMN), Pune, Maharashtra**, engaged in the following activities: **(i)** a short-Term Training Program (STTP) titled "Artificial Intelligence for Solving Emerging Industry Challenges: Trends, Tools and Application, held on **Sep 15 – 20, 2025**. **(ii)** From **Jan 5–9, 2026**, a five-day skill-building course called "Intelligent Connected Systems: IoT, Cloud and Vision with T3P (Tools, Techniques and Practices) Approach" took place. IoT, building blocks, architecture, Industry 4.0 overview sensors & actuators, embedded refresher, power sources, practical exercise cloud-to-deVice communication, contract design, cloud-edge integration, computer vision, basics of OpenCV operations, ROC, receiving live camera feed, pre-processing of images, edge detection, color detection and tracking, OCR fundamentals and face identification were all introduced by Shri Abhijeet Deogirikar, founder and Director. Dr N B Hulle, I/C Director, Dr Amol Bhoi, HoD, E&TC and Dr Sarika Khope, IETE ISF coordinator, were among the notable dignitaries present. The main goal of this skill development program was to improve students' industry readiness by giving them hands-on experience with cutting-edge technologies like Internet of Things (IoT), cloud computing and computer vision, in line with industry-relevant tools, techniques and practices. **(iii)** During **Jan 12-17, 2026**, the ISF saw a six-day "Internet of Things (IOT): Learn, Interface and Implement" skill development program. Dr NB Hulle I/C Director was Chief Guest. Students gained conceptual and practical knowledge of IoT technology in the session. Dr Kavita Joshi introduced IoT and Arduino principles on Day 1, followed by hands-on activities. Students had practical experience in digital and analog I/O interfacing with Arduino on Day 2 with Dr Sandeep Hanwate. On Day 3, Prof A M Bongale taught NodeMCU basics and Wi-Fi-based interface for IoT connectivity. Day 4 focused on real-world Arduino-based IoT case studies and cloud integration concepts. Students designed and implemented micro IoT projects in teams on Day 5 under Dr Kavita Joshi, Dr Sandeep Hanwate and Prof A M Bongale. On Day 6, student teams demonstrated their system design, operating principles and results to complete the program. About 100 students participated, improving their technical, teamwork and problem-solving skills. **(iv)** Promotion of Marathi Language Nurture Week themed "Jalosh Marathi Cha" was celebrated on **Jan 23, 2026**. The program began with Saraswati Pujan, followed by inspiring addresses from Dr N B Hulle and Dr Amol Bhoi, emphasizing the importance of preserving Marathi language and culture. Students enthusiastically participated in Marathi poetry recitation, showcasing creativity and cultural pride. The event successfully strengthened linguistic awareness and appreciation of Marathi heritage among students. **(v)** On **Jan 28, 2026**, experts discussed "Navigating Project Success: Importance, Selection and Best Execution Practices". Dr Pradeep Chatterjee, the Chief Guest, advised on project topics that match corporate and societal needs. A successful project's problem identification, literature survey, planning, implementation,

documentation and presentation were covered. Dr Chatterjee encouraged teamwork, time management, new tools and ethics in research. Students understood project execution difficulties and solutions by discussing real-world industry cases. Students discussed project selection, innovation and implementation in the interactive session. All inquiries received practical, motivational and industry-relevant replies from the expert. The programme inspired students to work on industry-relevant projects by improving their project planning, execution and creativity.

- **ISF at Yeshwantrao Chavan College of Engineering (YCCE), Nagpur, Wanadongri, Maharashtra**, commemorated the Engineers' Day in collaboration with the IETE Nagpur Section on **Sept 27, 2025**. The keynote speaker was Dr Vivek Nanoti, Director, Engineering, LTJSS. Dr Vijay Mankar, Chairman IETE Nagpur Centre, Dr D B Bhojar, the Centre Hony Secretary and Er Ajay Sawatkar joined Dr UP Waghe, Principal YCCE, to kick off the event. In order to develop the next generation of engineers, Dr U P Waghe emphasized the importance of cooperation between academic institutions and professional associations like IETE. Dr Sachin Khade and Dr R D Thakare, EC members of IETE Nagpur Centre and Shweta Dhondse, ISF coordinator at YCCE, organized the event. Additionally present at the event were Dr M S Narlawar, the HoD of Electronics and Telecommunication Engineering and Dr Prachi Palsodkar, the HoD of Electronics Engineering. Prof Shweta Dhondse, EC member, IETE Centre Nagpur, organized the program and gave the vote of thanks.

- **ISF at ET Department of the SKN Sinhgad College of Engineering (SKNCOE), Pandharpur**, conducted **(i)** a one-day workshop on the "Foundations of Python Programming" on **Oct 3, 2025**. Shri N S Bansode, Dy Mgr at Vodafone India Services Pvt Ltd in Pune, conducted the session. The workshop encompassed real-world applications, core programming concepts and Python fundamentals through interactive sessions. The event improved the practical coding skills and industry awareness of students. **(ii)** a Guest lecture on "Neural Talk : Future with AI" on **Oct 04, 2025**. The session was delivered by Shri Amey Devidas Utpat, senior lead engineer, Randstad Digital, Bengaluru. He discussed neural networks, real-world AI applications, ethical AI practices and career guidance. The lecture enhanced students' technical understanding and awareness of responsible AI development.

- **ISF at IT Dept, Dharmsinh Desai University (DDU), Nadiad, Gujarat**, conducted **(i)** an expert session on the subject of "Cyber Security Awareness Program" in collaboration with IETE HQ & IETE Ahmedabad Centre on **Oct 4, 2025**. Dr N K Goyal, the founder and Chairman of TEMA, Ms Anjali Verma, Director of cyber security and Ms Pooja Sharma, the general manager of the Cyber Security Association of India and CMAI, led the session, which was attended by 63 students via a Zoom link. **(ii)** On **Dec 12, 2025**, Shri Tanay Gandhi, a block chain developer at MST Block Chain, gave an expert lecture on "Block Chain and Its Application." Seventy students attended. **(iii)** On **Dec 13, 2025**, 35 students attended the second lecture of the "Cyber Security Awareness Program" in collaboration with IETE & TEMA.

- **ISF at Madanapalle Institute of Technology & Science (MITS) Madanapalle, Tirupati, AP**, conducted **(i)** a one-day hands-on session on "Computer Vision and Image Processing Fundamentals Using Python and Open CV," which was led by Dr P Anandan, Associate Professor, VIT Chennai School of Computer Science and Engineering on **Oct 4, 2026**.

Dr A V Pavan Kumar-HoD/EEE gave the welcome address, followed by Dr P Ramanathan, Principal, MITS, who spoke about the importance of technology education. Dr Dipankar Roy discussed student education and skill development. Dr S Rajasekaran, HoD/ECE, discussed image processing and Python opportunities. Shri N Sridhar concluded by thanking for this excellent chance. **(ii)** On **Oct 8, 2025**, an online seminar on “Cyber Security and Cyber Forensics” was held. The resource was Dr S D Madhu Kumar, professor at NIT Calicut. He gave a thought-provoking and engaging talk on cyber security and cyber forensics. He covered a number of topics, including digital evidence gathering, ethical hacking, cyberthreats and the function of forensics in cybercrime investigations. Dr P Ramanathan, Principal, Dr A V Pavan Kumar, HoD/EEE and Dr S Rajasekaran, HoD/ECE, were among the notable dignitaries present. Under the direction of the IETE Forum, Dr R Saravana Kumar, Asst prof of EEE and Shri V S Prasanth, Asst prof of ECE, organized the seminar. The seminar worked smoothly thanks to the event Director, Shri G Charan Kumar, asst prof ECE and Dr H Shree Kumar, asst prof of ECE. Dr Shree Kumar, thanked the management of MITS (Deemed to be University), including Vice chancellor Dr C Yuvaraj, Principal Dr P Ramanathan, Vice Principal (Administration) Dr C Kamal Basha and professor & head of ECE Dr S Rajasekaran, for their unwavering support and encouragement. **(iii)** Seminar on “Future of healthcare and game changer towards autonomous driving system” was held on **Dec 31, 2025**. Dr D Vijendra Babu, Associate Professor, VIT Vellore was the resource person. He delivered an insightful and interactive session on “The Digital Twin in Medicine: A key to Future of Healthcare & the Game Changer towards Autonomous Driving System.” He discussed various aspects of digital twin technology in healthcare, including IoT-enabled real-time health monitoring, AI-driven predictive modeling, personalized medicine and organ-level simulations. The important dignitaries attended were Dr Rajasekaran S, HoD/ECE, Shri Prasanth V S AP/ECE, Shri Arivarasu R, AP/ECE, Mr Manivannan T, AP/ECE.

- **ISF at Sinhgad Technical Education Society’s Smt. Kashibai Navale College of Engineering, (SKNCOE) Pune**, hosted a “Poster Presentation Competition” on **Oct 6, 2025** on the theme “Youth as Change Makers – Small Acts, Big Change.” The event encouraged innovative community engagement ideas showcased through posters. 65 groups participated with a total of 200 students.

- **ISF at the EC Dept of the Anil Neerukonda Institute of Technology & Sciences (ANITS) in Sangivalasa, Visakhapatnam District, AP**, organized **(i)** a five-day workshop on “Digital IC Design using Cadence tools” during **Oct 6-10, 2025** by Shri T Dhileep SIPPcrafters, VLSI Design House, Visakhapatnam. Around 50 students attended this workshop. **(ii)** a Guest lecture on “From Silicon to Skill: Building India’s deep Tech Talent for the EV revolution” was held on **Dec 2, 2025** by Dr A Krishna Kanth, Founder & CTO, MOSARTS lab, Hyderabad. Around 150 students attended. **(iii)** A Guest lecture on “QNX RTOS and Student Opportunities in the Embedded World” was delivered by Shri Srinivasa Raju, CEO of Pi Square Technologies, on **Dec 18, 2025**. He introduced the Real-Time Operating Systems (RTOS), highlighting their importance in mission-critical and safety-critical applications, explained how QNX is widely used in industries such as automotive systems, medical devices, industrial automation, aerospace and defence, where reliability and real-time performance are crucial. Nearly 200 students from ECE and CSE

deptts, attended the lecture.

- **ISF at ECE Dept, Sri Venkateswara College of Engineering (SVCE), Sriperumbadur, Chennai, TN**, conducted the “ENIGMA 2025 – 2026” crypto quest event on **Oct 7, 2025**, specifically for I-year Electronics and Communication Engineering (ECE) students, who participated with enthusiasm. The event comprised two meticulously organized rounds that assessed both theoretical understanding and practical application abilities.

- **ISF at ECE Dept, SRM Institute of Science & Technology (SRMIST), Ramapuram, Chennai, TN** organized **(i)** an invited talk on “Mastering SQL: From Constraints to Triggers” on **Oct 7, 2025** by Shri R Saran Raj, senior consultant, Optimum InfoSystem, Chennai. The speaker provided an in-depth understanding of various database concepts. The session began with an overview of DBMS and its components, followed by a detailed explanation of Data Definition Language (DDL), Data Manipulation Language (DML), Data Control Language (DCL) and Transaction Control Language (TCL). The speaker highlighted that DDL deals with the structure of the database and data operations. **(ii)** A lecture on *Smart Data Analytics using AI* on **Jan 31, 2026**, by Shri Rajesh Kanna, Sr technical lead at EPAM Systems Ltd, Chennai, highlighting how AI enables efficient processing of large datasets, identification of hidden patterns and real-time predictions **(iii)** A skill development program *Electro Vanza* on **Feb 11, 2026** to test students’ fundamental understanding, practical knowledge and problem-solving ability in the field of electronics and communication

- **ISF at ECE Dept, Sri Sairam Engineering College (SSEC), Chennai, TN**, organized a number of activities, which included: **(i)** an event called “Bridging Barriers with Technology: Inclusion, Independence, Innovation” on **Oct 8, 2025** by Dr Karthikeyan Ramachandran, MD (PM&R) professor and head, Dept of Physical Medicine and Rehabilitation, SRM Medical College Hospital and Research Centre, Kattankulathur. In his address, the speaker defined inclusion as the establishment of an environment in which all individuals, irrespective of their background or ability, had equal opportunities to completely engage in all aspects of life. He cited the World Health Organization’s comprehensive definition of health, which underscores the equilibrium of physical, mental and social well-being. He defined rehabilitation as “a collection of interventions that are intended to enhance functionality and mitigate disability.” Statistics from the World Health Organization (WHO) and the United Nations Children’s Fund (UNICEF) indicate that over one billion individuals worldwide are affected by disabilities, a figure that is projected to increase to two billion by 2030. **(ii)** a “Smart System Conclave: Practical Experience through a Hands-on Session” was conducted on **Oct 23-24, 2025** by Shri T A Bharathwaj, senior tech lead- Physical Design, Elnfochips; Ms Hema Priya S, Project Scientist, SETS, Chennai, Nithya Vishnu V, junior analog layout design engineer, Epical Layouts Pvt Ltd, Chennai & Raghunath R, analog layout design engineer, Epical Layouts Pvt Ltd, Chennai. Experts, inventors and students came together to discuss the most recent developments in embedded technologies, next-generation electronics and chip design. Students were given practical insights into the development and use of today’s cutting-edge technology through engaging lectures, live demonstrations and interactive workshops. **(iii)** On **Oct 27, 2025**, Dr Gunes Karabulut Kurt, professor and Canada research chair (Tier 1)



in New Frontiers in Space Communications, Polytechnique Montreal, Canada, gave a talk on the “Role of Communication Systems for Space Domain Awareness” as part of a distinguished lecture program. The goal of the event was to give students, Faculty and research scholars an understanding of the most recent developments in communication technologies used for monitoring, securing and supporting space-based operations. **(iv)** A Guest lecture on “SONET/SDH” on **Oct 31, 2025**, was conducted by Dr K Esakki Muthu, HoD, ECE, Anna University Regional Campus, Madurai. Gaining a thorough knowledge of the fundamental architecture of Synchronous Optical Networking (SONET) and Synchronous Digital Hierarchy (SDH), which support contemporary global networks, was one of the session’s main highlights. The talk also discussed how these protocols use ideas like framing and multiplexing to provide carrier-grade reliability and high-speed transmission. **(v)** On **Nov 03, 2025**, a Guest lecture on “Role of VHDL in Modern Digital System Design” by Dr O Vignesh, ECE Dept Asstt Prof, Madras Institute of Technology, Anna University, Chennai, was arranged. The speaker explained the importance of VHDL in contemporary digital system development, highlighting its role in FPGA-based design, rapid prototyping and verification. **(vi)** A technical talk on “Power Amplifier and its Applications” was organised on **Nov 4, 2025**. The speaker Dr Kirankumar Manivannan, asstt prof, School of Electronics Engineering (SENSE), VIT–Chennai, in his lecture, provided a comprehensive overview of power amplifiers, emphasizing their operating principles, classifications and significance in modern communication systems. He elaborated on how power amplifiers enhance low-power signals to drive high-power loads and discussed their real-time applications in wireless communication, broadcasting and audio systems. **(vii)** Another Guest lecture on “Waves, Fields and Applications: The Essence of Engineering and Electromagnetics” was conducted on **Nov 10, 2025** by Dr Boopalan G, assoc prof, VIT Vellore. An introduction to the electromagnetic spectrum was given at the start of the course, outlining the range and classification of electromagnetic waves. Radio waves, microwaves, infrared, visible light, ultraviolet, X-rays and gamma rays were explained as a region of the electromagnetic spectrum. **(viii)** A seminar on “Case Study: Acquisition and Analysis of Real-Time Signals.” on **Nov 10, 2025** was conducted by the resource person, Dr S Sangeetha, asstt prof, ECE Dept, CEG Campus, Anna University Chennai. She shared her expertise on various methods of signal acquisition, the importance of sampling, sensor interfacing, noise considerations and digital signal processing tools. Using real-time examples and case studies and demonstrated how signals are captured, analysed and interpreted in domains such as healthcare, communication systems and industrial automation. **(ix)** A talk on “Role of DSP Processors in Industrial Automation and Control” was held on **Nov 12, 2025** by Dr MV Karthikeyan, Prof, St Joseph Institute of Technology, Chennai. The session speaker highlighted how DSP processors play a vital role in real-time data processing, signal conditioning, motor control, robotics and predictive maintenance. Key features of DSP processors such as pipelining, MAC units, parallelism and specialized instruction sets were discussed in detail. **(x)** A distinguished lecture program on “Analog and Mixed Signal Circuits and Systems for Emerging Applications” was arranged on **Dec 16, 2025**. Prof Bibhu Datta Sahoo, Prof, University of Buffalo, The State University of New York, delivered an insightful talk on Analog and Mixed Signal Circuits and Systems for Emerging Applications. The lecture highlighted recent

research trends, design challenges and real-world applications in analog and mixed-signal systems. **(xi)** A lecture on “*The Present and Future of Semiconductors: Industry Insights and Technology Shifts*” on **Jan 2, 2026** by Shri J Prakash, business development manager, M/s Agile Reliability Technology Pvt Ltd, successfully connecting academic theory with practical industry requirements **(xii)** A two-day “*Boot Camp on Embedded Systems*” held on **Feb 16-17, 2026** by Shri N Rakesh, senior embedded engineer, M/s Valeo R&D Vision. The initiative, supported by the Sairam Innovation Eco-system and various institutional programs like RAISE and the SDG Action Program, aimed to bridge the gap between theoretical academic knowledge and current industrial requirements **(xiii)** A lecture on *Unlocking 8051: Timers, Interfaces and Beyond* on **Feb 17, 2026** by Dr C Sridevi, Assoc Professor, Dept of Electronics Engineering, MIT Campus, Anna University, Chennai, provided a comprehensive understanding of 8051 microcontroller architecture, timer operations and interfacing techniques, while exploring their practical relevance in modern embedded applications **(xiv)** Hands-on Training program titled, “*Chip Level Training and Debugging for Smart Phones*” held from **Mar 9-11, 2026** by Dr B Krishna Kumar, founder & CEO of M/s New Technology, Coimbatore, equipped students with practical skills in hardware diagnostics and the intricate process of chip-level repair & debugging for modern mobile devices **(xv)** A lecture titled “*Low-Power Edge AI Architectures for Real-Time Signal Processing in IoT Antenna Arrays*” was held on **Mar 25, 2026** by Dr M Dhayalakumar, CEO M/s Meister Gen Technologies Pvt Ltd, Chennai and Director of M/s Dhisai Technologies Pvt Ltd, Trichy, who delved into the critical intersection of Edge AI and IoT infrastructure, specifically focusing on how low-power architectural designs can optimize real-time signal processing within antenna arrays, sharing industry-leading perspectives on energy-efficient computing and its application in modern communication systems.

- **The ECE Dept** in association with **ISF at Mohan Babu University (MBU), Tirupati, AP**, engaged in number of technical events: **(i)** A workshop on “Embedded Systems” was held on **Oct 10, 2025**, which provided participants with a thorough overview of the principles and applications of Embedded Systems, which are the specialized computational devices that are at the core of a wide range of devices, including automotive control units, IoT devices and smart gadgets. The session furnished essential hands-on experience with practical projects and popular platforms such as Microcontrollers (*e.g.*, Arduino/ARM). **(ii)** Cinematronics—“Blending Electronics with Science-based Cinematic Elements”—was held on **Nov 5, 2025**, to encourage student creativity and experience. CineCode, the first round, tested technical knowledge and teamwork by deciphering resistor colour codes and translating them into letters to identify movie titles. CineTech, the second round, tested observation and quick replies with a buzzer-based quiz using science fiction movie snippets. Active engagement and combining engineering topics with entertainment made the event a successful and fun learning experience for students. Dr TV Satyanarayana and Dr K Neelima coordinated as Faculty. **(iii)** **Dec 23, 2025** saw the unique and interesting “Circuitmas” event. This event supported the department’s experiential learning and creative thinking initiatives. This combined technical knowledge with circuitry to refresh and challenge participants. Two unique rounds were held. M’ Error, the first round, tested participants’ electronic circuit knowledge and practical error detection. Circuit

schematics with intended component, connection, or setting errors were shown to participants. They had to carefully evaluate each circuit and identify faults quickly. This round assessed observation, conceptual clarity, problem-solving and reasoning, as well as theoretical knowledge applied to real situations. Jingle Brains, the second round, was a fun, interactive online quiz about electronics and circuits with different levels of difficulty. Answering questions correctly and swiftly advanced participants through each stage. Quizzes promoted active engagement, speedy decision-making and conceptual grasp. Participants were rewarded with a creative holiday activity with a Christmas tree decorating after finishing all quiz levels, adding fun and celebration to the technical difficulty.

- The ISF at the **ECE Dept of Sri Muthukumaran Institute of Technology (SMIT), Mangadu, Chennai, Tamil Nadu**, conducted the following activities *(i)* A seminar on “Block Chain in Real Time Applications” on **Oct 10, 2025** was conducted by Shri GNS Mugilan, CEO/founder of RD Software, Chennai, which provided deep insights into the fundamentals of block chain technology, its architecture and its real-time applications in various domains such as finance, healthcare, supply chain management and data security. The resource person explained how block chain ensures transparency, decentralization and security in digital transactions. *(ii)* A workshop on “Embedded and IOT systems in Real Time Applications” by Shri ME Rajamanikam, President, Rotary club of Marina vocation skill development Centre, Chennai was held on **Oct 16, 2025**. The event taught students and professionals how embedded devices use sensors, actuators and networks to generate smart solutions. *(iii)* A certificate course on “*Arduino Programming for Beginners*” was arranged on **Jan 27-31, 2026**, by Shri ME Rajamanikam, president, Rotary Club of Marina Vocational Skill Development Centre, Chennai, focusing on microcontroller basics, Arduino IDE, programming concepts, sensor interfacing, LED & motor control and real-time project implementation. *(iv)* Inauguration of IETE New Student Chapter by Dr S Sumathi, Hony Treasurer, IETE Chennai Centre & Prof Sri Sairam Engineering College at Sri Muthukumaran Institute of Technology, Mangadu, Chennai on **Feb 2, 2026**. *(v)* A “Mini Project Expo & Competition” at Sri Muthukumaran Institute of Technology, Mangadu, Chennai on **Feb 20, 2026**. The objective of the event was to provide a platform for students to showcase their innovative mini projects, enhance practical knowledge and promote problem-solving skills.

- Activities undertaken by ISF at **ECE Dept, Easwari Engineering College (SRM Easwari), Ramapuram, Chennai, TN** were: *(i)* Shri Bharathwaj TA, senior tech lead, eInfochips, presented a Guest lecture on hands-on training in “Physical Design – Synopsys (EDA Tool)” on **Oct 10–11, 2025**. Students actively followed Synopsys-based physical design flows from synthesized netlist interpretation to routed design analysis during the workshops, which were presented as concentrated technical walkthroughs in line with industry backend design norms. Understanding constraint-driven implementation, analyzing how placement and routing choices impact timing closure and physical integrity and reading and comparing timing, congestion and power information were all emphasized. *(ii)* Shri Pradeep S, technical lead engineer from S2C Semiconductors Pvt Ltd, conducted a workshop on “Physical Design Using Cadence Tools” on **Nov 7-8, 2025**. Students actively followed the Netlist-to-GDSII physical design cycle using the Cadence Innovus

Implementation System during the interactive, tool-driven session. Through real-time examination of Design Exchange Format (DEF) files and layout results, participants investigated crucial backend stages such as design initiation, floorplanning limitations and power planning concepts including power grid synthesis and strap insertion. *(iii)* Dr K R Pasupathy organized a “Semiconductor DeVice Modeling & Simulation with Sentaurus TCAD (Synopsys)” on **Dec 1, 2025**. He presented the principles of deVice physics and TCAD-based simulation workflows used in semiconductor process and deVice engineering. Examples of Bulk MOSFETs, FinFETs, Nanowire FETs and Tunnel FETs were used in the workshop’s live demonstrations of Sentaurus TCAD tools, including process and deVice simulation. *(iv)* A lecture on “*Beyond Simulation: The Power of Formal Verification in Modern VLSI*” was organized on **Feb 28, 2026** by Shri Baskaran Pandian and Shri Vignesh CG, Principal engineers (ASIC design verification), M/s Microchip Technology (I) Pvt Ltd, Chennai, explaining how formal methods complement traditional simulation techniques to ensure functional correctness in complex VLSI systems, with emphasis on key topics such as Verilog, SystemVerilog architecture, UVM methodology and structured verification workflows *(v)* Fest *PRAGYOTSAV* ’26 held on **Mar 5, 2026**, guided by Ms Anupama N, sr manager (product marketing) at M/s Microchip Technology (I) Pvt Ltd, Chennai, who shared valuable industry insights and emphasized the importance of innovation, practical skills and problem-solving abilities in the semiconductor domain, encouraging students to adapt to evolving technologies, while the fest featured ten diverse technical events namely Paper presentation; Code Chaos; Pitch Perk; Communex; Robo Maze; Prompt Alchemy; Clash of Circuits; Circuit Escape Room; Project Arena & Brain Bridge.

- The ISF at **Jeppiaar Institute of Technology (JIT) in Sriperumbudur, Chennai, TN** held *(i)* a Faculty Development Program on “Recent Trends in Prompt Engineering for Educators: Bridging AI with Academia” from **Oct 13-17, 2025**. This program provided a platform for Faculty to showcase bridging AI with academia. The program encouraged Faculty collaboration and creativity to prepare them for national AI-academia challenges. *(ii)* The 1st International Conference on “Innovations in Electronics and Communication (ICIEC’25)” was organized on **Nov 7- 8, 2025**. Dr Sadasivam Subbarayan, senior lecturer, Dept of Engineering at University of Technology and Dr M Vijayakumar, Dept of CSE, SRM Institute of Science and Technology were the main guests. Innovative technology and applications, industry acceptance and future trends, ethical innovation and career routes were discussed at the event. *(iii)* **Nov 27, 2025** saw the “Innovate and Integrate: Semicon Frontiers Bridging Industry and Academia” contest. Students were asked to build a semiconductor and Integrate Designs will be showcased, matching with Department of Chip designing and supporting student innovation. *(iv)* As part of the Designing and Building Prototype initiative, Shri J Antony Jeffrey, an audio/sound enthusiast, led a workshop on “Designing and Building Prototype into Startup” on **Nov 29, 2025**. The event gave students the chance to present novel solutions to real-world issues. By encouraging collaboration, creativity and problem-solving, the event filled students with the necessary skills to confront innovation challenges at the national level. *(v)* A seminar entitled “Innovative AI-Driven Predictive Maintenance: How IoT Data Predicts Machine Failures” was scheduled on **Dec 1, 2025**. Shri M Lathesh, a Java Full Stack Developer conducted the event. The event served as an incentive

for pupils to pursue a career as a Java Full Stack Developer. (vi) A Social Activity on “Innovation grows where Emotional Intelligence guides Decisions” was held on **Dec 1, 2025** by Ms K Ramya is a clinical psychologist, while Ms S Vidhya is a counseling psychologist. The session had a profound impact on students, motivating them to reconcile their aspirations with their priorities. (vii) A workshop on “AI and I4.0 Tools for Innovators and Entrepreneurs” on **Dec 4, 2025** was led by Shri E Nixon, the founder of Technots Academy LLP and an R&D EV engineer. The program provided students with the fundamental knowledge that is essential for the development of Tool Innovations. (viii) A creative initiative from the Dept of ECE, “Mind over Mobile: Innovation over Waste,” that focuses on social and moral values was organized on **Dec 4, 2025**, which prompted students to contemplate mobile technology and innovation. (ix) On **Dec 6, 2025**, a social and moral values activity archive entitled “Future Queens of Innovation Big Ideas” was conducted. The competition served as an incentive for students to contemplate over the theme. (x) A workshop on “Introduction to Operational and Industrial Research” on **Dec 13, 2025**, was conducted by Dr Arunava Majumdar, Cro, Sukish Group & co-founder of Academy Innova World. (xi) Another workshop on “Innovation and Entrepreneurship in India” was organized on **Dec 13, 2025**. Shri PonMaa Krishnan, Sukish Group & Mentor of Change NitiAayog. The objective of the session was to offer students and emerging researchers valuable insights into the intricacies of writing, publishing and presenting research papers in reputable journals and conferences. (xii) A lecture on “*Innovative Idea to Product Development*” by Shri P Sathyanathan, sr associate, Vel Tech TBI IIC Convenor, was arranged on **Jan 2, 2026 (xiii)** A collaborative workshop on “*Innovative India: Emerging Careers in Entrepreneurship and Technology*” was organized by Shri Gnanasekar Dhanapal, strategy head, digital operations & Shri Susheendran Karthik CG, CEO & Project Head, on **Jan 6, 2026 (xiv)** A *Research Methodology Event on “Innovation-Centric Research for Patents and Publications”* by Shri K Raguvanan, mentor, electronic hardware designer, consultant entrepreneur, technical guru (AICTE IDEA Lab) was held on **Jan 7, 2026 (xv)** A *GT Manidham Orientation Program for Media Masterclass* by Shri S Manimaran, media expert was organized on **Jan 7, 2026 (xvi)** An industry workshop “*IIT Pals Think2impact*” was arranged on **Jan 20, 2026 (xvii)** A webinar on “*Mathematical Models as Tool for Innovation in Real-World Systems*” by Dr TN Kavitha, Asst Professor, Siksha Visharad was arranged on **Jan 23, 2026 (xviii)** A Stack-sphere Club – Web Sprint on **Jan 23, 2026**, where students designed their college web pages, was arranged. The event encouraged creativity, UI/UX design skills and web development knowledge (xix) An “*IETE Day Celebration*” by Dr M Suganthi, professor Dept of ECE, VelTech Multi Tech, Dr Rangarajan Dr Sakunthala Engineering College, Chennai to commemorate technological advancements and contributions in electronics and communication was held on **Jan 27, 2026 (xx)** A workshop on “*Technology Readiness Level (TRL) and Manufacturing Readiness Level (MRL)*” was conducted by Dr NM Jothi Swaroopan, certified patent agent, professor RMK Engineering College on **Jan 30, 2026 (xxi)** A webinar on “*Effective Research Communication and Academic Publishing*” was organized by Prof B Sangeetha Asst Professor, HOD/AI & IT, Kings College of Engineering, Pudukkottai on **Jan 30, 2026 (xxii)** A “*Teaching Excellence Awards 2025-26*” were given away by Ms Kavitha Jagadeesan, Director, Deloitte India, in recognition of Faculty achievements, promotion of teaching

excellence, academic motivation, appreciation of innovation in teaching & encouragement for quality education on **Jan 31, 2026 (xxiii)** A workshop on “*Innovating the Future with Cloud Technology*” by Shri Balajee, senior development manager, Virtual Tech Services, was arranged on **Feb 3, 2026 (xxiv)** A “*Research Methodology on Social Innovation*” by Dr Josh Kumar JP, Professor, SIMATS Engineering, Saveetha Institute of Medical & Technology Sciences, Chennai, was organized on **Feb 11, 2026 (xxv)** A webinar on “*AI Tools for Researchers*” by Mrs Madhumitha, Asst Professor, St Joseph College of Engineering, Chennai was conducted on **Feb 24, 2026 (xxvi)** A “*Hack 1.0 Fusion*” providing a dynamic platform for students to brainstorm, design and develop innovative solutions to real-world challenges within a limited time frame was arranged on **Feb 25, 2026 (xxvii)** A workshop on “*From Campus to Career: Mapping the Engineering Industry Landscape*” by Shri S Sugumar, Asst manager (Quality), M/s Optimare India Pvt Ltd, Bengaluru, was given on **Mar 5, 2026 (xxviii)** A “*Kuzhali 2026*” – International Women’s Day Celebration to celebrate the achievements, strength and contributions of women in various fields was arranged for **Mar 6, 2026 (xxix)** A social activity – “*Rooting for Tomorrow: One Tree, One Future*” was taken on **Mar 16, 2026** focusing on encouraging students to actively participate in tree plantation and understand the importance of preserving nature for future generations (xxx) A seminar on “*Fostering Innovation in Digital System Design through Simulation-Based Learning*” by Dr S Usha, Assoc Professor/EEE, SRM Institute of Science and Technology was held on **Mar 16, 2026 (xxxi)** A “*Project Expo-2026*” on **Mar 17, 2026** showcased projects from diverse domains such as artificial intelligence, cyber security, data science, full stack development, quantum computing, AR/VR, robotics & automation, 3D printing, embedded systems & IoT and e-vehicle technology (xxxii) *Inauguration of 5.0 Club* was on **Mar 23, 2026**, emphasizing the importance of human-centric innovation, sustainability and advanced technologies (xxxiii) The “*Hack the Hunt*” event on March 23, 2026, featured a variety of practical insights, including sessions on real-time problem-solving tasks, team collaboration and strategy building and puzzle-based technical challenges. Enhancement of logical reasoning and a competitive learning environment (xxxiv) An “*Image IQ*” on **Mar 23, 2026**, encouraged students to think critically and improve observation skills. It served as a fun yet educational activity promoting creativity and quick decision-making.

- The ISF in the ECE Dept of **New Prince Shri Bhavani College of Engineering & Technology (NPSBCET) in Sembakkam, Chennai, Tamil Nadu**, organized (i) A workshop and hackathon on “Recent Trends on AI,” on **Oct 22, 2025**. Shri Surendar Jaishankar, software engineer - web developer, shared insights into emerging AI technologies and their real-time applications. The training and hackathon helped students improve their technical knowledge, problem-solving abilities and industry awareness. (ii) A “*CRISPO 2K25 - Tech Talks*” was held on **Nov 1, 2025**. Shri Rajabharath N, Project Manager at Saint-Gobain India Pvt Ltd., gave an incisive technical presentation on growing industry trends, practical engineering applications and career suggestions. (iii) On **Nov 8, 2025**, a national-level technical symposium titled “*FAISCA 2K25-2.0*” was organized with the goal of encouraging innovation, technical knowledge sharing and collaborative learning among students from diverse universities. The event offered a vibrant forum for participants to demonstrate their technical ability, creativity and problem-solving



abilities through a mix of technical and non-technical events. **(iv)** On **Nov 13, 2025**, Shri P Vivian Petersen, senior manager, Exams, Ebek Language Laboratories Pvt Ltd, conducted a seminar on “Cambridge General English,” which provided valuable insights into Cambridge English examinations, language proficiency standards and their importance for academic and professional growth. **(v)** A “Learning Beyond International Borders - Where Every Day is a Field Trip and Industrial Visit” was scheduled on **Dec 23, 2025**. Shri Ms Jayasree Gopal, International study expert at HighEd FITO, provided important insights into global learning opportunities, international exposure and career paths available through foreign study. **(vi)** A value-added course titled “*VLSI Digital Design: From Concept to Simulation - 1.0*” was arranged on **Jan 5, 2026** by Mr J Jes Evans Daniel, M/s Taras Systems and Solutions, who provided in-depth knowledge on VLSI fundamentals, digital design and Verilog HDL. **(vii)** An industrial visit to M/s Vee Technologies, Chennai was undertaken on **Feb 7, 2026**, where experts explained real-time project workflows and industry practices. **(viii)** A national level “*Technical HACK-O-HERTZ 2026*” was organized on **Feb 21-22**, themed “Dream it, Engineer it, Hack it”, aimed to promote innovation & problem-solving skills among students.

- The **ECE Dept** in association with **ISF at Annamacharya Institute of Technology and Sciences (AITS), Tirupati, AP**, conducted a series of activities, including the eagerly anticipated Freshers Day celebration, “Circuitopia,” which took place on **Oct 23, 2025**. This event brought together the lively energy of I & II yrs students. The resource persons included Dr C Nadhamuni Reddy, Principal of AITS-Tirupati, Dr S Rohini, HoD ECE, AITS-Tirupati and Dr R Murugesan, dean, I BTech program. The following dignitaries were in attendance: Dr I Suneetha, Women Protection Cell, AITS, Tirupati; Shri N Dilip Kumar, ISF coordinator and Dr N Pushpalatha, professor ECE, AITS, Tirupati. The program commenced with a cordial welcome note from Ms Sreyeswini VVP of II yr ECE, who extended her greetings to the honorable guests, Faculty members and students. Dr S Rohini delivered a motivational address to the students, emphasizing the significance of perseverance, collaboration and innovation. Dr R Murugesan, dean, BTech (I yr), underscored the significance of ensuring that the I year is a meaningful experience and that academics and co-curricular activities are balanced. Dr C Nadhamuni Reddy, Principal, emphasized the importance of students being perpetual learners, disciplined and dedicated. He recommended that they optimize the resources and guidance offered by the college. This was followed by the sharing of valuable insights by Prof Dr N Pushpalatha and Dr I Suneetha, who encouraged the students to be responsible engineers and inquisitive learners. The formal session was succeeded by a succession of vibrant cultural performances that invigorated the event. Through melodious melodies and energetic dances, students from both I & II yrs students demonstrated their abilities. **(ii)** On **Oct 25, 2025**, a seminar report titled “Linux Networking in the Cloud: Optimization, Isolation and Control” was presented. The resource persons were Dr R Murugesan, dean of I yr BTech and Shri Dilip Kumar Chenna, alumni student. Dr S Rohini, HoD-ECE, AITS-Tirupati; Dr N Pushpalatha, prof of ECE, AITS, Tirupati; Dr I Suneetha, prof of ECE, AITS, Tirupati; Dr K Jansilakshmi, Dept alumni coordinator; and Shri N Dilip Kumar, ISF coordinator, were among the other notable dignitaries present. The use and optimization of core Linux networking in public and hybrid clouds was examined in this advanced session. Network namespaces and virtual

switching for container isolation (Docker/Kubernetes) were discussed. Modern firewalls, eBPF for observability, methods for debugging cloud VPC latency and kernel performance optimization were covered. It also covered safe hybrid cloud integration, which is crucial for senior engineers developing scalable, high-performance cloud architecture. **(iii)** The 72nd IETE Foundation Day 2025 celebrations were conducted with the theme “Indigenization of Hi-Tec and Critical Technologies” on **Nov 3, 2025**. The significance of self-reliance in cutting-edge electronics, communication systems and strategic technologies was emphasized in the keynote speech. The importance of domestic innovation and research in bolstering economic expansion and national security was highlighted by the speakers. Technical talks were delivered on emerging areas such as semiconductor manufacturing, embedded systems and next-generation communication technologies. The event concluded with a vote of thanks and a collective commitment to promote indigenous technological advancement. **(iv)** On **Nov 18, 2025**, a Nasha Mukth Bharat Abhiyaan awareness program was held in collaboration with the Internal Quality Assurance Cell (IQAC) and EAGLE Cell of AITS, Tirupati, the Women Empowerment Cell (WEC), Women Protection Cell (WPC) and Internal Complaints Committee (ICC), planning the event. Dr C Nadhamuni Reddy, the Principal, launched the initiative by emphasizing the vital role that students and young people have in creating a nation free from addiction, discipline and illness. The official launch of the Nasha Mukth Bharat Abhiyaan awareness banner came next. Dr Manasa, the medical officer of Ruya Hospital in Tirupati, spoke to the kids about the detrimental effects substance usage has on one’s physical and mental well-being. Psychologist, Shri Murali discussed the behavioral changes brought on by substance misuse as well as how stress, peer pressure and emotional instability can lead to addiction. The legal ramifications of drug misuse, particularly the penalties imposed by current legislation, were described by Shri Shyam Sundar Rao, assistant, Welfare Department. The goals and operations of the EAGLE (Elite Anti-Narcotics Group for Law Enforcement) Cell were expounded upon by Shri Kamal, EAGLE Cell, Tirupati. He discussed programs like Garuda and Chaithanya-Train Safe Campus, which are designed to keep an eye on and stop drug trafficking and young substance misuse.

- **ISF at ECE Dept, Mother Teresa Institute of Engineering and Technology (MTIET), Palamaner, AP**, organized **(i)** a Drawing Competition themed “Unity is Strength” in commemoration of National Unity Day, marking the birth anniversary of Shri Vallabhbhai Patel, a pivotal figure in India’s political integration, on **Oct 31, 2025**. This program was organized by Dr S Murali Mohan, prof and coordinator, in collaboration with Dr L Ramamurthy, HoD and the Faculty of the ECE Department. For the Drawing Competition, Shri M Mohan Raj and Mrs S Chandana, both assistant Prof in ECE at MTIET, served as judges. A total of 19 students registered and participated; three were awarded. **(ii)** “Quiz and Elocution Competition in Commemoration of Human Rights Day” was conducted on **Dec 10, 2025, coordinated by same team** with a total of 16 registered students in the quiz program. The 16 students were divided into four groups, namely Equality, Dignity, Liberty and Loyalty, with each group including four members. The Loyalty, Liberty and Dignity groups were ranked first, second and third, respectively. Nine students registered for the Elocution competition and awards were awarded to the individuals who secured first, second and third places.

- **ISF at ECE Dept, LD College of Engineering, Ahmedabad (LDCE), Gujarat**, conducted the first session of 'Byte Quest' on **Nov 1, 2025**, to motivate students to engage with electronics and technology in an enjoyable yet competitive format to maintain enthusiasm. The workshop witnessed active engagement from over 70 students and sought to cultivate technical curiosity, rapid cognition and accuracy. **(ii)** A webinar titled "Cyber Security Awareness" was conducted in collaboration with the IETE Ahmedabad Centre, the Cyber Security Association of India (CSAI) and TEMA on **Nov 15, 2025**. The program was attended by over 35 students. **(iii)** Second quiz of 'Byte Quest' an online quiz administered on **Nov 15, 2025**, designed to evaluate and strengthen students' understanding of the C programming language. All 60 registered participants attended the online session and engaged with the quiz. **(iv)** The third quiz in the 'ByteQuest' series was centered on the Internet of Things (IoT) and was scheduled for **Nov 29, 2025**. The session engaged 61 students actively. The initiative was highly successful. The initiative enriched the students' experience and reinforced the participants' foundation in the technological domain. It fosters students' interest in exploring technologies such as the Internet of Things.
- **ISF at Sal Institute of Diploma Studies, (SIDS), Ahmedabad, Gujarat**, collaborated in several technical initiatives. **(i)** A webinar titled "Cyber Security Awareness" was conducted on **Nov 8, 2025**, in partnership with IETE Ahmedabad Centre, Cyber Security Association of India (CSAI) and TEMA, utilizing the Zoom platform. Participants acquired knowledge regarding phishing prevention, password management and ethical online conduct through the analysis of real-life case studies. A total of 118 students from the SAL Institute of Diploma Studies, along with members from the IETE Ahmedabad Centre, participated actively. **(ii)** An "Awareness Program on IoT" took place on **Nov 11, 2025**. The two-hour session aimed to provide first-semester students in CE, IT and CSE with a foundational and practical understanding of the Internet of Things and its relevance to the industry. The session was conducted by in-house experts, Ms Dhara Prajapati and Ms Hiral Patel, Faculty members of SIDS. 60 students actively participated. **(iii)** A "Cyber Crime Awareness Seminar" was conducted under the IETE banner on **Nov 18, 2025**, aimed at educating students about emerging cyber threats and promoting safe digital practices. The seminar was presented by PSI Ms Karishma Chaudhary, Ahmedabad Range Cyber Crime Department, who provided comprehensive insights into the various forms of cybercrime impacting students and the general public. **(iv)** A one-day workshop titled "C Programming: The Foundation of Coding" was conducted on **Nov 27, 2025**. The workshop sought to enhance foundational programming knowledge and cultivate logical reasoning skills in noVice students. The session was conducted by Shri Hitesh Kachhela, senior developer specializing in Python and Android, at Praxware Technologies in Ahmedabad. 56 students participated. **(v)** On **Jan 20, 2026**, an expert talk on "Agentic AI" was conducted for diploma students to introduce emerging trends in artificial intelligence. The expert session was conducted by Shri Hitesh Kachhela, CEO and CFO of Praxware Technology, Ahmedabad. The core concept of Agentic AI was elucidated, emphasizing intelligent agents that possess the ability for independent decision-making and goal-oriented behaviour. The expert examined practical applications of Agentic AI in domains including automation, intelligent systems, enterprise solutions and emerging smart technologies. The event was organized successfully under the

leadership of Dr Kinjal Adhvaryu, Principal, with effective coordination by Shri Dhumil Vora. The expert talk effectively increased students' awareness of advanced AI technologies. **(vi)** An industrial visit to TOPS Technologies was scheduled for **Feb 25, 2026**, for students in the 2nd, 4th and 6th semesters of the CE, IT and CSE branches. A 110 students participated in two groups of fifty-five students each, accompanied by two Faculty members. The session commenced with a comprehensive overview of the Software Development Life Cycle (SDLC), during which industry experts elucidated the processes of requirement analysis, design, development, testing, deployment and maintenance as applied in real-time projects. Students acquired practical understanding of the application of theoretical concepts in professional settings. The technical team showcased the live project development process, emphasizing agile methodology, collaboration and project management techniques. Furthermore, practical demonstrations of emerging technologies, including web development and Agentic AI solutions, were conducted. **(vii)** A seminar titled "Real-World Applications of IoT" was held on **Mar 17, 2026**, for second-year students in the CE, IT and CSE branches. The seminar was conducted by Shri Sanjay Kamdar, who provided insights into the practical applications of the Internet of Things (IoT) across various domains. The session commenced with an overview of IoT concepts, subsequently addressing practical applications in smart homes, healthcare systems and industrial automation. The seminar facilitated interaction and engagement, allowing students to actively participate and attain clarity regarding IoT applications and career prospects within this field. The session provided valuable insights, enhancing students' comprehension of the practical relevance of IoT in the contemporary digital landscape. **(viii)** A seminar titled "How to Build a Career in IT Industries" was held on **Mar 18, 2026**, for sixth-semester students from the CE, IT and CSE branches. Over 70 students, in conjunction with Faculty members, participated in the session. Dr Stavan C Patel conducted the seminar, offering significant insights into diverse career opportunities within the IT industry. The session commenced with a review of prevailing industry trends and emerging fields, including software development, data science, cybersecurity and networking. Students received guidance in choosing career paths aligned with their interests and strengths. He emphasized the significance of fundamental technical skills, such as programming, problem-solving and proficiency with contemporary tools and technologies. **(ix)** An industrial visit to i-Hub Ahmedabad was scheduled for **Mar 24, 2026**, for II-semester students. Approximately 45 students participated in the visit, accompanied by two Faculty members. i-Hub is an active incubation center created under the Student Startup and Innovation Policy (SSIP) by the Education Dept of the Govt of Gujarat. The purpose of the visit was to expose students to the startup ecosystem and entrepreneurial environment. Students were introduced to the concepts of innovation, startup incubation and governmental support for young entrepreneurs during the visit. Officials elucidated the process by which concepts evolve into successful startups via mentorship, financial backing and technical assistance. The session facilitated students' comprehension of the significance of creativity, problem-solving and innovation in the contemporary competitive landscape. **(x)** A two-day workshop titled "Java Programming: Foundation to Framework" was held on **Mar 24-25, 2026**, for students in the CE, IT and CSE branches. The session was led by Shri Hitesh Kachhela, senior Java Developer at Praxware Technologies, who delivered comprehensive insights into Java

programming, covering fundamental concepts to advanced frameworks. The workshop addressed key subjects, including Java fundamentals, JVM, JRE, JDK and object-oriented programming concepts such as classes, inheritance, polymorphism and encapsulation. Students were introduced to the collections framework, exception handling and key Java keywords. On the second day, participants received practical exposure to JDBC, CRUD operations and web technologies such as Servlets and JSP. The practical coding sessions facilitated students' comprehension of real-time application development. **(xi)** An educational visit to Science City Ahmedabad was scheduled for **Mar 28, 2026**, at the invitation of the IETE Ahmedabad Centre for ISF members. 25 ISF student members participated in this visit. The objective of the visit was to improve scientific understanding via hands-on experience and interactive education. Students examined multiple galleries, including the Aquatic Gallery, where they observed a variety of marine life and aquatic ecosystems. The Astronomy and Space Science Gallery offered insights into space exploration, celestial bodies and contemporary astronomical technologies. Additionally, a gallery dedicated to robotics is included. Students visited Nature Park and Life Science Park, which highlighted biodiversity, environmental conservation and life science principles. Students at the Energy Park acquired knowledge regarding renewable energy sources and sustainable practices.

- **ISF at ECE Dept SRM Valliammai Engineering College (SRMVEC), Kattankulathur, TN**, conducted **(i)** a five-day Faculty Development Program (FDP) titled “Enhancing Teaching Strategies for Linear Integrated Circuits and Microprocessor-Based Systems” from **Nov 24 to 28, 2025**, in collaboration with the ISF. The program focused on improving the pedagogical skills and technical expertise of Faculty members in Linear Integrated Circuits and Microprocessor-Based Systems, emphasizing outcome-based education, innovative teaching methodologies and effective assessment practices. The FDP was coordinated by Dr S Senthil Murugan and Shri D Murugesan, with oversight from Dr Komala James, prof and HoD, ECE. **(ii)** On **Feb 4, 2026**, a seminar titled “Role of Embedded Systems in Automation” was held, with Shri T Srinath, RTL Design Engineer from AMD India Pvt Ltd, Bangalore, as the resource person. The event was coordinated by Ms K Arthi, asstt prof and Dr K Durgadevi, asstt prof. **(iii)** On **Feb 25, 2026** an expert lecture on the “Quantum Era of Machine Learning: Advancements and Real-World Applications” was delivered by Dr Gayathri, assoc Prof at SRMIST, Kattankulathur, which was organized by coordinators Dr SR Preethi, ASP and Ms S Abirami, AP. **(iv)** On **Mar 25, 2026** a practical workshop on “Antenna Design for Various Applications” was led by Shri Y Viwin Singh, communication engineer at The ePlane Company, Chennai, under the coordination of Dr S Ramesh, prof and Dr R Dhananjeyan, AP. Through these diverse sessions, the department successfully bridged the gap between academic theory and cutting-edge industrial practice, empowering students with knowledge from top-tier professionals in the field.
- **ISF at Cummins College of Engineering for Women(CCOEW), Pune**, organised a one-week Faculty Development Program on “Advancing Frontiers in Antenna and RF Design: Bridging Theory and Practice” on **Nov 24 to 29, 2025**.
- **ISF at EC Dept, Takshashila University, Villupuram, TN**, organized the “Make It Glow Contest ‘25” on **Nov 25, 2025**. The resource

persons, Dr A Latha and Dr C Ramesh Babu Durai, both professors in electronics and communication engineering, conducted a contest designed to enhance students' practical knowledge and creativity in electronics and circuit design. The initiative encouraged participants to apply theoretical concepts in the development of innovative glowing electronic models and circuits. Students exhibited their technical skills, problem-solving capabilities and innovative thinking through practical implementations. **(ii)** A “Project Expo -TIDEX '26” was held on **Jan 8, 2026**, by Dr K Dhanalakshmi & Dr C Ramesh Babu Durai, aiming to nurture innovation, creativity and technical curiosity among 9th to 12th standard students who showcased projects related to electronics, communication systems, robotics, automation etc **(iii)** A “Drone Air Show – 2026” in association with M/s AEUIO Industries Pvt Ltd, Tindivanam, TN, was organized on Jan 8, 2026 featuring multiple drones performing coordinated aerial manoeuvres, highlighting advancements in unmanned aerial vehicles, flight control systems, stability mechanisms and remote operation techniques **(iv)** ISF was formally inaugurated on **Mar 5, 2026** by Er N Sridharan, Chairman, Chennai Centre, who emphasized the importance of professional bodies for engineering students **(v)** A workshop on “Robotics and Extended Reality” was conducted on **Mar 5, 2026** by Shri Rajasekhar, research scholar, IIT Kanpur that provided students with both theoretical understanding and practical exposure to modern trends in robotics & immersive technologies such as augmented reality, virtual reality and mixed reality.

- A new session at the ISF, **Sankalchand Patel College of Engineering, Visnagar, Gujarat**, was inaugurated on **Dec 29, 2025**, with enrolment of 35 new ISF students.
- The following activities were organized by the **ISF** at the **Marri Laxman Reddy Institute of Technology and Management (MLRITM) in Hyderabad, Telangana**: **(i)** The ECE and EEE departments jointly organized the “One Week STTP on Low Power VLSI Circuit Design and Power Analysis” from **Dec 29, 2025** to **Jan 3, 2026**. All sessions were conducted by Shri K Shri Ram, the resource person from ACE Engineering Academy. Approximately 50 students from ECE and EEE, as well as four Faculty members, participated and reaped the rewards. Since Dec 15, 2016, the MLRITM has been a life organizational member of IETE, with approximately 300 students and Faculty members. **(ii)** The “Star Alumni Interaction Program” was conducted on **Feb 7, 2026**. Dr Bhavana Prasannanjaneyulu, Staff R&D engineer at Synopsys India, Hyderabad, shared his experiences and insights with the current students. The event was witnessed by technical students, who derived benefits. **(iii)** Dr N Srinivas, prof and HoD, ECE at MLRITM, conducted a one-day seminar on “Crafting Quality Research Papers” on **Feb 11, 2026**, which was designed to assist participants in the selection of research areas, the identification of pertinent subtopics, the downloading and review of recent research papers and the comprehension of the critical components of a high-quality research article. **(iv)** A one-week Short-Term Training Program (STTP) was conducted on the topic of “MATLAB for Advanced Scientific and Engineering Analysis” on **Feb 16-21, 2026**. Ms Ponnaganti Chandana, product manager at MathWorks, ARKANCE India Pvt. Ltd., conducted the sessions. The program was designed to equip participants with practical experience in the application of MATLAB tools and techniques to address complex scientific and engineering challenges. The training encompassed a variety of subjects, including algorithm

development, data analysis, modeling and simulation, signal processing and visualization techniques. In addition to interactive sessions, practical demonstrations and hands-on laboratory exercises, the STTP provided participants with practical exposure to MATLAB applications in research and industry-oriented initiatives. Participants were actively involved in discussions and problem-solving activities, which facilitated their comprehension of the practical application of MATLAB in engineering domains. The **same time**, the ISF also conducted a one week Short-Term Training Program (STTP) on “Advanced VLSI Front End and Back End IC Design.” The program was designed to improve the technical knowledge and practical skills of Faculty members, research scholars and students in the field of semiconductor technologies and VLSI design. Shri P Rajendra, an Application Engineer at ENTUPLE Technologies, conducted the sessions. The training program was designed to equip participants with a comprehensive understanding of VLSI design methodologies, including the design flows of both the Front-End and Back-End ICs. Key topics addressed during the sessions included HDL-based design concepts, synthesis, design verification, physical design flow, placement and routing, timing analysis and chip design optimization techniques.

- **ISF at the ECE Dept of St Peters Engineering College (SPEC), Hyderabad, Telangana**, organized the following activities: *(i)* The ECE Dept hosted “Flip Fusion” on **Jan 3, 2026**, which promoted creative thinking, problem analysis and the presentation of innovative ideas in a competitive yet collaborative setting. Participants demonstrated their technical expertise, analytical reasoning and communication abilities. A total of 50 participants from IV BTech courses participated in the event. *(ii)* A two-day workshop on “Facial Feature Recognition utilizing Machine Learning and Deep Learning techniques” was conducted on **Jan 7-8, 2026**. On Day 1, participants were introduced to essential concepts of machine learning and deep learning through practical demonstrations. On Day 2, students investigated facial recognition through deep learning models and engaged in real-time application development. A total of 160 participants from BTech courses attended the workshop. *(iii)* A Guest lecture titled “VLSI Design in Practice: RTL-to-Silicon Flow and Industry Workflows” was conducted on **Jan 24, 2026**. The resource person was Shri Sai Ram Harsha Kukkadapu, a physical design engineer. The discussion encompassed critical stages including synthesis, floor planning, placement, clock tree synthesis, routing and static timing analysis. The lecture emphasized the tools utilized in the VLSI industry, prevalent challenges associated with timing closure and the competencies necessary for students to pursue a career in physical design. The interactive session helped students clearly understand how theoretical concepts are applied in real-time chip design projects. A total of 80 students from III ECE participated. *(iv)* A Guest lecture titled “VLSI First End-to-End SoC Verification: Architecture, DV & PD Roles with UVM Testbench and Coverage Closure” was held on **Feb 6, 2026**. The resource individual was Shri Ajay Kumar, a Functional Verification Engineer at VALSOC Semiconductor. The UVM (Universal Verification Methodology) framework was elucidated, encompassing testbench architecture, stimulus generation, functional coverage and techniques for coverage closure. Industry examples were presented to connect theoretical concepts with practical VLSI verification workflows, aiding students in comprehending current expectations within the semiconductor sector. *(v)* An industrial visit to the Electronics Test and Development Centre

(ETDC) in Hyderabad was scheduled for **Mar 4, 2026**, for the II year ECE students. The visit sought to offer students practical exposure to industrial testing, calibration and development facilities utilized in the electronics sector. *(vi)* The farewell event “Reparatum 2026” was held on **Mar 25, 2026**, to provide a warm and memorable send-off for the final-year students. The program encompassed joy, laughter and emotional experiences. A variety of engaging games were organized, fostering an energetic and entertaining environment among students. *(vii)* A Guest lecture titled “VLSI First End-to-End SoC Verification: Architecture, DV & PD Roles with UVM Testbench and Coverage Closure” was held on **Apr 8, 2026** by Shri T Ajay Kumar, a functional verification engineer at VALSOC Semiconductor, possessing over four years of experience in SoC/IP verification. The complete end-to-end flow of System-on-Chip (SoC) verification was elucidated, emphasizing the significance of design verification (DV) and physical design (PD) roles. He discussed the interconnections among various stages in the VLSI design process and highlighted the importance of ensuring design accuracy prior to fabrication.

- The ISF at **EC Dept of Rajeev Institute of Technology, Hassan, Mysuru region, Karnataka**, conducted an industrial tour on **Feb 26, 2026**, for sixth-semester ECE students, escorted by Faculty members Dr Vishwanath BR and Ms Supriya Ananth KA. The aim was to elucidate and comprehend the specifics of real-time application of theoretical principles in industry, to acquire knowledge of technical advancements and scientific advances. During the visit, students meticulously examined the operational environment of AES Technologies India Pvt. Ltd., acquiring significant insights into the practical dimensions of automation and embedded systems. Students engaged with numerous interactive exhibits at the Visvesvaraya Industrial and Technological Museum, showcasing scientific principles and technological innovations. The visit to the Jawaharlal Nehru Planetarium intensified their curiosity through visual presentations pertaining to astronomy and space science. The children exhibited enthusiasm and engagement during the visit, rendering it a meaningful and enriching educational experience.

- The ISF at the **Department of E&TC, AISSMS College of Engineering Pune, Maharashtra**, executed the subsequent activities: *(i)* On **Sept 12, 2025**, the E&TC Dept conducted a Techno-Social visit for 9th and 10th graders at Narsingh Vidyalaya Tathawade, Pune, under AISSMS. The emphasis was on digital literacy, which was achieved through the use of Microsoft Word and PowerPoint. This included the creation of documents, the formatting of slides, the development of themes and the creation of slides. *(ii)* A seminar was conducted on **Sept 17, 2025** on “Strategies and Opportunities for Research Funding Unlocking,” to acquaint students and Faculty members with research funding opportunities and provide them with the necessary strategies to successfully file for and secure research grants. Prof T Kishore Kumar delivered a speech at the seminar, which was attended by over 100 students from a variety of departments and notable dignitaries. *(iii)* A “Poster Presentation Competition” was held on **Oct 3, 2025**, to commemorate the 72nd Foundation Day of IETE. Notable dignitaries, including Dr DS Bormane, Dr SB Dhonde and Dr RR Itkarkar, as well as Faculty from the E &TC Department, attended the event, which featured a Guest lecture designed to motivate students to investigate career opportunities in engineering and technology. A total of 75 students and staff members

attended. **(iv) Jan 12, 2026** was observed as “National Youth Day.” The program’s objective was to commemorate the birth anniversary of Shri Swami Vivekananda and to motivate students to acknowledge their potential for leadership, social responsibility and inner fortitude as future engineers and citizens. It also sought to raise awareness regarding the contribution of young people to national development, innovation and ethical advancement. The student member Adwait delivered a brief speech on the life, teachings and philosophy of Shri Swami Vivekananda, highlighting his conviction in the potential and fortitude of youth. Key concepts include self-reliance, discipline and service to society, as well as “Arise, Awake and Stop Not Till the Goal is Reached.” The oath, which was coordinated by Harshwardhan, was administered subsequent to the discourse. The oath underscored the significance of responsible citizenship, unity and harmony. The theme “Strong Youth, Strong India” was reinforced by the ceremony, which prompted students to contemplate their responsibilities as responsible citizens and future engineers.

- The ISF in the **ECE Dept of Mepco Schlenk Engineering College (MSEC) in Sivakasi, Tamil Nadu**, observed IETE Student’s Day on **Jan 30 -Feb 3, 2026**, under the guidance of Dr R Shantha Selvakumari, HoD, ECE Department and president, ISF at Mepco Schlenk Engineering College, Sivakasi. The celebration was organized by ISF coordinators Dr A Kamaraj, assoc prof in ECE and Mrs V Gnanalakshmi, asstt prof in ECE. The welcome address was delivered by Hari Sudarsan M, joint Secretary of ISF. Shri Muralishankar J T, Secretary, ISF, delivered the message for IETE Students’ Day. On this day, several events were organized, including Technical Paper Presentation, Eucritic Circuits, Cryptical Coding, Hackathon and Best Manager. More than 70 ISF members participated in the events. Certificates were distributed to the winners and participants during the valedictory function. Shri Sundaravaradhan A, ISF EC member, concluded the event with a vote of thanks to the attendees. Another seminar titled ‘Unmanned Aerial Vehicles (UAV) Communication – Physical Layer Design’ took place on **Jan 30, 2026**, for the III ECE students as part of the IETE Students’ Day 2026. The lecture was delivered by Dr S Anand, Prof- Electrical and Computer Engineering at Mepco Schlenk Engineering College, Sivakasi. The function was inaugurated by Dr R Shantha Selvakumari. Dr A Kamaraj and Mrs V Gnanalakshmi, organized this session. Shri M Hari Sudarsan, welcomed the attendees, while Ms V Sahaana, also joint Secretary ISF, introduced the speaker.

- The ISF at **Bharati Vidyapeeth’s College of Engineering, Lavale, Pune**, conducted a “Poster Competition” on **Oct 7, 2025**, to commemorate the launch of the IETE Student Chapter. The ISF was formally introduced with the unveiling of the IETE framework, followed by an inspiring address by Dr Sandip Patil and the college Principal, Dr RN Patil. The certificates were allocated to the members. The celebration was enhanced with a poster competition in which the guests, the Principal and Faculty members evaluated several posters created by the college students and commended their efforts. **(ii)** An event titled “Language and Communication Skills: The Impact of English and Aptitude on Your Global Engineering Career” was scheduled for **Feb 24, 2026**. The Chief Guest was Shri Romil Jain. Other notable dignitaries in attendance included Dr Leena B Chaudhari, head of the ENTC Dept; several HoDs; Dr Lalita K Wani, Faculty head, ISF; and Prof Aishwarya S Pathak, head, Training and Placement. Dr Leena B Chaudhari addressed the

guests and invigorated the kids with her inspiring remarks. Shri Romil Jain elucidated the prospective opportunities in international studies, emphasizing several prestigious countries. He highlighted that language, presentation and communication skills are essential for a worldwide profession. He provided guidance on enhancing spoken English and mastering effective communication.

- The ISF at the **E&TC Dept of the JSPM Narhe Technical Campus (NTC), Narhe, Pune, Maharashtra**, held a Poster Competition and Badge Distribution on **Oct 8, 2025**, to acknowledge student engagement and creativity. The event included a ceremony recognizing active members, succeeded by a poster competition displaying creative technical concepts, attended by Faculty and coordinators. **(ii)** An exciting quiz competition named “Quiz Buzz” conducted on **Feb 13, 2026**, influenced by the renowned television program Kaun Banega Crorepati. The event aimed to augment students’ knowledge, confidence and competitive spirit via an interactive and engaging platform. The notable personalities present included Dr SP Bhosale, Director; Dr MM Sardeshmukh, dy Director; Dr SW Shaikh, HoD E&TC; Dr Manisha P Hajare, IETE coordinator; Prof R P Khadse, ETSA coordinator; and Faculty members of JSPM NTC.

- ISF at **EC Dept, KG Reddy College (KGRC), Hyderabad, Telangana**, organised the following activities: **(i)** An expert talk on ‘Surmount English language skills in digital engineers’ by Shri B Shanker was conducted on **Oct 10, 2025** **(ii)** A visit to ‘M/s Ananth Technologies, Madhapur, Hyderabad, Telangana’ -- a leading aerospace and defense company specializing in the design, development & production of satellite systems and launch vehicle subsystems, playing a key role in supporting ISRO & other space research organizations, was organized on **Oct 22, 2025** **(iii)** ‘PCB designing workshop’ conducted in collaboration with Electronics Club University College of Engineering, Osmania University, Hyderabad on **Oct 22-23, 2025** **(iv)** A hands-on workshop titled ‘IoT Skill-a-Thon’ was held on **Oct 24, 2025** by resource persons, Shri Bardwaj Arvapally & Ms Santoshi from M/s AB Techville LLP. Students learnt the fundamentals of Raspberry Pi, Python programming and the working principles of various sensors & actuators gaining practical exposure by interfacing sensors & actuators with Raspberry Pi to identify and monitor different environmental parameters from their surroundings **(v)** An event titled, SKILLVANCE 2025 was conducted on **Oct 29, 2025**, featuring three competitions — a technical quiz, an idea presentation and a poster presentation. Students from various colleges actively participated.

- The ISF at the **EC Department of Methodist College of Engineering and Technology (MCET) in Hyderabad, Telangana**, organised the subsequent technical activities: **(i)** On **Oct 10, 2025**, a virtual technical quiz named ‘Quizorbit’ was hosted. A total of about 130 students took the quiz. In order to increase participation in technology-related learning, the test was designed for undergraduates of all years, regardless of their fields. Dr Aditya Dass, Secretary ISF MCET, delivered the welcome message and rules of the quiz. Each participant except for the top three winners, got an electronic certificate of participation. The students’ positive attitude and insightful questions about the technology made the event a smashing success. **(ii)** “Impact of AI on Electronics,” a Guest lecture, was held on **Oct 13, 2025**. Shri Om Ashish Mishra, a product data Scientist and alumnus of VIT and IIT Kanpur, led the session, which was attended by 214 students from the ECE Dept.The

primary objective of the event was to acquaint students with the growing influence of artificial intelligence in the field of electronics and its potential to revolutionize new technologies. Dr Srinivasa Baba VSSN, HoD ECE, Dr K Jaya Sankar, Dean (R&D) and Dr Ravi Yadahalli, Dean (QA&A), spoke after a cordial greeting from Aditya Dass, Secretary, ISF. Each dignitary emphasized the importance of these technical seminars in enhancing students' understanding of developing technology. Shri Om Ashish Mishra's engrossing discussion included topics such as humanoids and prompt engineering, AI in robotics, reinforcement and supervised learning and the rise of AI-based influencers like Kyra. He also discussed the practical applications, challenges and ethical implications of artificial intelligence in the realm of electronics. After the talk, there was an interactive Q&A session where students actively participated and discussed their questions. A quick test was performed at the end of the session and presents were awarded to the top three finishers. The department also took advantage of the occasion to honor, professor and dean (R&D) Dr K Jaya Sankar, who recently won the prestigious IETE-B R Batra Memorial Award 2025 for his outstanding contributions to the area of electronics and communication engineering. The institution took great pride in sharing this national honour with distinguished individuals from ISRO and IIT. The event was well received by both instructors and students, who valued the lecture's relevance and practical insights. **(iii)** A national-level hackathon, "*Hacknovate 2025*", was held in collaboration with IEEE & GDGC on **Nov 18-19, 2025**, comprising participation by 42 teams under the guidance of Dr Prabhu G Benkop (Principal), Dr M Laxmipathi Rao (Director), Dr Lavanya Pamulaparty (HoD, CSE), Dr Sharadha Varalakshmi (HoD, AI), Dr Srinivasa Baba VSSN, (HoD, ECE), Dr K Jaya Sankar, (Dean, R&D), Dr Ravi Yadahalli, (Dean, QA&A). Dr Pamulaparty introduced the Chief Guest, Ms Saritha Ivathuri, president of Code for Good, delivered an insightful overview of Agentic AI, vibe coding and large language models. The competition was structured into multiple stages, starting with idea pitching, followed by prototype development and evaluation and culminating in final presentations. The hackathon featured evaluation by both internal and external judges from academia and industry, ensuring a fair and comprehensive assessment process. Winning teams were selected across multiple domains, reflecting innovation and technical excellence. The ISF played a significant role in planning, coordination, sponsorship management and logistical execution, contributing substantially to the success of the event. Hacknovate 2025 provided participants with hands-on experience, fostered teamwork and strengthened their problem-solving and technical development skills. **(iv)** An ideathon challenge, "IDEAFORGE 2026" was conducted on **Feb 26, 2026**, designed to promote entrepreneurial thinking and innovative problem-solving among students from diverse academic backgrounds. A total of 15 teams, each consisting of 2 to 3 members, participated in the competition. The ideathon focused on real-world problem statements, including the survival challenges of local kirana stores in the era of quick commerce and food safety monitoring in street vending systems. Participants presented their ideas before a panel of industry experts and incubation leaders, who evaluated the solutions based on innovation, feasibility, scalability, implementation strategy and presentation quality. Top-performing teams were recognized for their innovative solutions and effective presentations.

- **The ISF at the ECE Dept of Siddhartha Institute of Science and Technology (SISTK) in Puttur, AP**, conducted a seminar entitled

"Awareness of Road Safety and Helmet Usage" on **Oct 30, 2025**. Shri Yammanuru Srinivasulu, sub-inspector of Narayanavanam Police Station and Dr M Janaradha Raju, Principal of SISTK, were the Chief Guests. Other notable attendees included Dr B Saroja, Prof and HoD-ECE; Dr PM Vijayan, Prof-ECE at SISTK; Shri Dabbara Jayanayudu, Assoc Professor, ECE at SISTK, Puttur; and Dr Basavaraj G Kudamble, ISF coordinator, Dept of EEE at SISTK, Puttur. **(ii)** A workshop focused on research paper writing and research project proposals took place on **Nov 27-28, 2025**. Dr N Sriraam, prof in the Dept of ECE, served as the Chief Guest. Other significant attendees included Dr B Saroja, prof & HoD ECE; Dr M Janaradha Raju, Principal of SISTK; and Dr Basavaraj G Kudamble, ISF coordinator for IETE in the Dept of ECE at SISTK, Puttur. **(iii)** A seminar addressing the future of technology careers for ECE students was conducted on **Dec 6, 2025**. The Chief Guest was Ms K Lahari, assoc Engr at Enphase Energy, Bangalore. The instructor provided the student with guidance on preparing for technology careers, including a skill roadmap from the first year to the final year, industry expectations, resume development, project involvement and career planning. The dignitaries in attendance included Dr B Saroja, Dr M Janaradhana Raju, Dr P M Vijayan and Dr Basavaraj G Kudamble, the ISF coordinator.

- **ISF at E&TC Dept, MES's Wadia College of Engineering, Pune, Maharashtra**, conducted the following activities: **(i)** Celebrated 72nd IETE Foundation Day on **Dec 10, 2025**, wherein ISF awards were announced and senior members were felicitated. **(ii)** Held a competition titled "Design a Strategy to Market the Project You Are Building," with Dr Prabhakar Kota, Prof S S Pansare and Prof Suchita Ganage as Chief Guests, on **Feb 13, 2026**. The E&TC Dept, Wadia College of Engineering, organized a great Innovation and Entrepreneurship presentation. The event combined engineering and entrepreneurship with student engagement and expert advice. It helped future engineers comprehend marketing methods and inspired innovation and business thinking. **(iii)** The ISF also held "Electronica – RC Car & Line Follower Robot Challenge" on **Feb 27, 2026**. The goal was to teach students about embedded systems, specifically the ESP32 and robotics. The competition included two rounds. Participants created a Bluetooth or Wi-Fi-controlled RC car in the first round to demonstrate ESP32 programming and wireless connection. In the second round, students created a Line Follower Robot using sensor interfacing and motor control. Participants enjoyed the event, which improved students' hands-on abilities, ingenuity and embedded systems and automation knowledge. Dr Bhagavat D Jadhav was the Chief Guest, while Dr P N Kota, Prof S S Pansare, Dr PM Bagul, Dr KS Tiwari, Prof P S Tondewad, Prof A S Kulkarni E&TC Engineering, MESWCOE, were in attendance.

- **ISF at the EC Dept of Lords Institute of Engineering & Technology (LIET), Hyderabad**, organized a "Virtual FDP on Strategic Research Proposal Development and Grant Acquisition" from **Jan 5-9, 2026**, under the direction of Faculty coordinator Ms Sapna Gangrade and Shri Basava Danne. This event aimed to improve participants' capacity to identify research problems suitable for funding that align with national priorities and agency requirements, as well as to cultivate skills in crafting high-quality research proposals that include clear objectives, methodologies and anticipated outcomes. The objective was to acquaint participants with key funding agencies, available schemes and the evaluation criteria essential for successful grant acquisition.

- ISF at ECE Dept of the Sri Venkateswara College of Engineering (SVCE) Sriperumbudur** organized a series of technical activities which include: **(i)** a six-day Short Term Training Programme on “From Silicon to Security: Innovation In VLSI, Embedded Systems and Cyber Defense” at Sri Venkateswara College of Engineering, Sriperumbudur, on **Jan 5-10, 2026**. The programme provided a balanced blend of theoretical knowledge and practical exposure through sessions led by academicians and industry experts, covering areas such as VLSI design, RTOS-based embedded systems, TinyML, edge and quantum computing, 5G-enabled systems and cloud and AI security. **(ii)** a technical event titled “Precision in Motion - TRACKBOT’26” an intercollegiate event was conducted on **Jan 30, 2026** **(iii)** a technical symposium, titled- “UPAGRAHA’26” was organized on **Feb 19, 2026** by Mr Marx Arun Pachaiappa, senior program manager at Rikun Manufacturing; Mr Gokul BKS, technical lead and IETE alumnus Mr Hari Prasad, MS, NUS. The symposium aimed to provide a dynamic platform for students to enhance their technical knowledge, analytical thinking, creativity and teamwork while fostering innovation and healthy competition among participants from various institutions. **(iv)** a Guest lecture on “Wireless Communication – from a Numerical Angle,” was organized on **Mar 13, 2026** delivered by Mr S Venkataraman, electronics engineer at Bharat Dynamics Ltd., a Mini-Ratna Central Public Sector Enterprise. The lecture aimed at strengthening ECE students’ understanding of wireless communication concepts through a numerical and analytical perspective, while enhancing their logical reasoning and problem-solving skills.
- The ISF at the ECE Dept of Jerusalem College of Engineering, Chennai**, organised the following activities: **(i)** A three-day hands on training was conducted on “Design and Development of Antennas and Microwave Devices using EM Tools” on **Jan 7-9, 2026**. The program was designed to bridge the gap between theoretical concepts and practical implementation in antenna engineering and microwave circuit design, with special emphasis on industry-standard EM simulation tools such as MATLAB and Advanced Design System (ADS). **(ii)** A two-day workshop “MATLAB & Simulink – A Signal Processing Bootcamp for Lab Instructors” that was organized on **Mar 17-18, 2026**, gave a very good interactive session to the participants and made them learn the advancement in the MATLAB programming and the basics of SIMULINK. **(iii)** A “Project Expo – 2K26” held on **Mar 24, 2026**, was a great platform to showcase innovative ideas, explore emerging technologies and interact with like-minded peers and Faculty. It was good for students to showcase a wide range of creative projects and learn practical solutions addressing real-world challenges. **(iv)** A “Think - N- Connect”, organized on **Mar 26, 2026**, challenged participants to link and interpret technical concepts creatively, showcasing their analytical thinking and domain knowledge. It was exciting to witness innovative approaches and strong competition among the shortlisted teams. **(v)** A Vizhichudar Project Expo - Prelims” on **Mar 28, 2026**, generated exciting innovative ideas, approaches and strong competition.
- A two-day workshop on “Real Time IoT Applications” was organised by the **ISF at the Dept of ECE, Sai Spurthy Institute of Technology (SSIT), Sathupally, Khammam Dist.**, in collaboration with the IETE Vijayawada Centre. The workshop’s resource persons were Prof B Prabhakar of JNTU Hyderabad and Dr MD Javed, technical Director of Maxpark Pvt Ltd. The workshop took place on **Jan 8-9, 2026**.
- The ISF at ECE Dept, RMK Engineering College, RSM Nagar (RMKEC), Chennai TN**, organized following activities during the term under review: **(i)** A lecture by Ms Dhivya S, software developer from M/s Presidio Solutions Pvt Ltd, Chennai, was conducted on **Jan 8, 2026**, sharing valuable insights on industry practices, career development and software engineering trends, providing students with practical exposure and motivation for their professional growth. **(ii)** “IETE- ISF Project Presentation Contest” was hosted on **Feb 10, 2026**. The event offered students the opportunity to showcase their technical expertise and present innovative projects. Distinguished jury members from the ECE department evaluated the session, promoting practical problem-solving skills, research orientation and creativity among participants. **(iii)** A technically intensive industrial visit to Mitsubha India Pvt Ltd, Gummidipoondi, was coordinated by the Department of ECE for the II Yr students on **Feb 27, 2026**. The visit was scheduled to help bridge the gap between theoretical academic instruction and practical industrial implementation in the field of automotive electronics and electromechanical systems. The initiative provided students with the opportunity to observe the automotive sector’s quality assurance systems, embedded motor control mechanisms and large-scale manufacturing operations. **(iv)** A Guest lecture was conducted at Periya Obulapuram Village on **Feb 27, 2026**. Technical head of Johnson Controls Pvt Ltd, Chennai, Shri Ananda Raja, conducted the session. The lecture emphasized that real-world engineering applications and industry perspectives, which always remain important and it encouraged students to develop their technical skills and investigate practical innovations in engineering. **(v)** On **Mar 4, 2026**, there was another Guest talk by Dr V Sathish Kumar, an Assistant Professor and deputy Director of planning and development in the EE Dept at Madras Institute of Technology, Anna University, led the class. The lecture helped students learn more about advanced electronics research, academic possibilities and new technologies. It also made them more interested in doing research. **(vi)** On **Mar 5, 2026**, a Guest lecture titled “Design of Home Solar System” was scheduled. The program’s goal was to give participants a thorough understanding of household solar power system design and renewable energy technology. The course taught participants to the principles of solar photovoltaic technology, system architecture and energy-efficient solutions for residential applications in light of the growing global emphasis on sustainable and clean energy solutions. The initiative promoted ecologically friendly technology practices while highlighting the significance of solar energy in tackling contemporary energy concerns. In an international virtual session, Professor George Zissis, Chair IEEE Smart Cities, Univ of De Toulouse, France, discussed worldwide activities pertaining to sustainable energy solutions and smart cities. The focus of the discussion was on how renewable energy technology can be used to create urban landscapes that are both environmentally sustainable and energy efficient. **(vii)** On **Mar 14, 2026**, a Guest lecture was conducted by Ms Dhivya S, software developer at Presidio. She offered students practical exposure and motivation for their professional development by sharing valuable insights on industry practices, career development and software engineering trends. **(viii)** The hands-on training in IoT and Solar System Design for students was scheduled for **Mar 23, 2026**. Dr Gopinath and Dr Gomalavalli, Associate Professors in the Dept ECE, of the College, served as resource persons. The event was held in a disciplined academic setting and maximum engagement. Students were encouraged to actively

participate in conversations, ask technical questions and interact with the resource person to obtain a better understanding of complex ideas. Appropriate facilities were developed to encourage hands-on learning, allowing students to experience and comprehend the practical aspects of solar system installation and operation.

- The number of activities conducted by the **ISF at ECE Dept of the Manakula Vinayagar Institute of Technology, Puducherry** included: **(i)** A career guidance program on “Supply Chain Management” on **Jan 10, 2026**, by Shri S Sivanesh, relocation specialist, HCL Technologies, Chennai. In his address, the speaker emphasized the role of technology, data analytics and automation in improving supply chain efficiency. He also highlighted the career opportunities available in supply chain management for engineering graduates and encouraged students to develop analytical, problem-solving and management skills. **(ii)** A workshop on “Understanding Wi-Fi Networks: From Protocols to Practice” was held on **Jan 31, 2026** by Shri Nishanth Radja Mohane, senior QA specialist at Espressif Systems, Bangalore. The session focused on explaining the working principles of Wi-Fi networks, including wireless communication standards, network protocols and data transmission techniques. Students were introduced to the concepts of wireless access points, network security mechanisms and the role of Wi-Fi in modern communication systems. **(iii)** A Guest lecture on “The Endless Embedded-AI Loop: Technology Driving Technology” was delivered on **Mar 20, 2026** by Mrs Vaishnavi Dhinesh, founder and CEO of Towards Technology Pvt Ltd, Ariyalur. The seminar elucidated the function of embedded systems in contemporary intelligent gadgets and the integration of Artificial Intelligence into embedded platforms to develop more intelligent and efficient solutions. The speaker addressed diverse applications including smart devices, IoT systems, autonomous technologies and real-time data processing, illustrating how AI-driven embedded systems are revolutionising contemporary industries.
- The **ISF at the ECE Dept of Shri Ramakrishna Institute of Technology (SRIT), Coimbatore, TN**, organized a webinar titled “CMOS to SoC: The Journey of a Chip” on **Jan 10, 2026**. The program had Dr M Jagadeeswari, prof and head of the ECE Dept, SRIT, as the resource person. Dr A N Jayanthi, ISF coordinator, welcomed the attendees. The resource person provided clear explanations of CMOS and SOC concepts. She illustrated the progression of a chip with specific examples. Shri S Munaf, co-coordinator of the ISF, proposed the vote of thanks. Approximately 25 students from the II& III years of the ECE program, participated in this initiative and benefited from it. **(ii)** A webinar titled “Analog/Mixed-Signal IC Design and Verification” was scheduled for **Feb 14, 2026**. The program had Shri Amit Saini, Director, Cadre Design Systems, Ghaziabad, UP, as the resource person, who elucidated the simulation process in Analog/Mixed-Signal IC Design and Verification, providing clear conceptual insights, in his address. Analog/Mixed-Signal IC Design and Verification represents a distinct domain within VLSI design, concentrating on integrated circuits that manage both analog (continuous) and digital (discrete) signals on a single chip. Mixed-signal integrated circuits combine analog and digital components, facilitating the connection between real-world analog signals and digital processing systems. Examples include data converters (ADC/DAC), RF transceivers, audio codecs, sensor interfaces and microcontrollers with integrated analog peripherals. The primary challenge in mixed-signal

design involves the management of interference between noisy digital circuits and sensitive analog circuits. Substrate noise coupling, clock interference, power supply fluctuations and grounding issues necessitate the implementation of isolation techniques, guard rings, appropriate floor planning and dedicated power domains. A practical simulation session was conducted. The design, testing and verification of 4:1 Multiplexer and CMOS Inverter circuits were conducted using SymicaDE software. Students engaged with the resource person to address their inquiries. Ms P Devi, delivered the vote of thanks. Approx 25 students participated and gained benefits from this initiative. **(iii)** Professional Societies were inaugurated on **Mar 6, 2026**. Dr Sukumol Dey, Associate Professor of Electrical Engineering at IIT Palakkad, served as the Chief Guest for the program. In his keynote address, he highlighted the significance of professional societies in improving students’ technical knowledge, professional skills and industry exposure. Several professional societies at SRIT were formally inaugurated during the ceremony, including the IETE Students Forum, IE, ISTE, ASME, CSI, IS, ACM, SAE and IEEE. During the event, membership cards were issued to 50 newly enrolled student members for the academic year 2025–2026, signifying their formal induction into these professional organizations. The program concluded with a vote of thanks, acknowledging the contributions of the Chief Guest, management, Faculty members and students in ensuring the event’s success.

- The **IETE Student Forum**, IEEE BKBIET Student Branch and **B K Birla Institute of Engineering & Technology (BKBIET), Pilani**, collaboratively hosted an expert talk titled “Pen to Publication” on **Jan 10, 2026**. The session was conducted by Dr Sumitra Singh, member-IETE Pilani, who serves as Scientist F at CSIR-CEERI and is an Assoc Prof at AcSIR. The presentation addressed multiple facets of research paper writing and publication, encompassing the identification of research problems, the structuring of research articles, the selection of suitable journals, the comprehension of the peer-review process and the adherence to publication ethics. Dr Sumitra Singh provided valuable experience and practical insights that significantly benefited students pursuing research and advanced studies. The session demonstrated significant engagement from both students and Faculty members. At the end of the event, Dr Sumitra Singh received a memento from Dr Santosh Jangid, Faculty Coordinator, IEEE student branch, in recognition of her significant contribution. The vote of thanks was delivered by Dr Krishna Meel, Faculty ISF coordinator. The program was effectively managed through the committed efforts of the executive teams from both IETE and IEEE student branches, facilitating seamless coordination and execution. Prof BK Rout, Director-BIBIET and Dr Anil Sharma, Principal-BKBIET, commended the student members and organizers for conducting informative sessions that benefit the student body.
- **ISF at the Dept of ETE at Marathwada Mitra Mandal’s College of Engineering (MMCOE), Pune**, in collaboration with MathWorks–DesignTech Systems Pvt. Ltd., successfully conducted a five-day Faculty Development Program (FDP) on “Power Converters using MATLAB–Simulink” from **Jan 12 to 17, 2026**. The FDP sought to enhance Faculty proficiency in power electronics and Electric Vehicle (EV) systems by employing simulation-based modeling and analysis. Battery systems, Battery Management Systems (BMS), DC–DC and AC–DC power converters and EV charging infrastructure were among the primary

focal areas that were addressed using MATLAB–Simulink. The program provided participants with the opportunity to acquire practical experience in the modeling, control, performance evaluation and validation of EV subsystems through an industry-oriented approach. The FDP featured expert sessions by Shri Nikhil Sonavane, education technical evangelist, MathWorks; Shri Kunal Subhash Khandelwal, senior application engineer, MathWorks @ Design Tech Systems Pvt. Ltd.; and Shri Vishwas Vaidya, automotive consultant and industry Faculty. The program received enthusiastic participation from 150+ Faculty members representing institutions across Maharashtra, Gujarat, Uttarakhand and Karnataka, including Pune, Ahilyanagar, Nashik, Kolhapur, Sambhajinagar, Jalgaon, Rajkot, Mehsana, Ahmedabad, Dehradun and Belagavi. The department expressed sincere gratitude to the Management and Principal Dr Sachin Sakhare, Prof S N Deshmukh, vice-Principal and Dr Anjali S Bhatlawande, convener, HOD–E&TC, for their continuous support and guidance. Special appreciation was extended to Shri S D Pasalkar and Shri V K Sambhar, Faculty Coordinators, for the successful planning and execution of the FDP. IETE Pune Centre, provided valuable technical support and coordination throughout the FDP. Their assistance in academic planning, outreach and professional guidance significantly enhanced the technical quality and overall effectiveness of the program.

- The ISF of the **Dept of ECE, Amrita Sai Institute of Science and Technology, Paritala, Vijayawada**, in association with IETE Vijayawada Centre, organized a two-day workshop on “PCB Design & Manufacturing” on **Jan 16-17, 2026**.

- The ISF at the **Dept of ECE, Vikas College of Engineering & Technology, Nunna, Vijayawada**, in association with IETE Vijayawada Centre, organized “A two-day Hands on Workshop on Raspberri Pi from Basics to Applications” on **Jan 22-23, 2026**. The resource persons were from SRC e_ Solutions.

- The ISF at the **Dept of ECE, KKR & KSR Institute of Technology and Sciences, Guntur, AP**, in association with IETE Vijayawada Centre, organized (i) a three-day workshop on “Process Design and Proto type Development: Hands on Training on Applied Robotics and Embedded Intelligence” on **Jan 27-29, 2026**. (ii) Another programme organized was a five-day workshop on “Artificial Intelligence in Electronics” during **Feb 3-7, 2026** by Shri Venkatesh Lakkakula, APSSDC as the resource person for workshop. (iii) A five-day workshop on “Internet of Things” was held on **Feb 3-7, 2026**, by Shri D Sasi Kiran, from APSSDC as the resource person.

- **ISF at DY Patil College of Engineering (DYPCOE), Akurdi, Pune, Maharashtra** held (i) a one-week session on “Application-oriented data structures using C” from **Jan 27-31, 2026**. Dr P Malathi, Principal, DYPCOE, Akurdi, Pune; Dr Rutuja Deshmukh, HOD E&TC; and distinguished Guest speaker M Vrushali Joshi from Technocave, Pune, were the key guests. Other dignitaries included Mrs Usha Jadhav, Dr Manisha Rajput, Mrs Vasanti Vedpathak, Dr Sarika Patil, Mrs Shilpa Jagtap and Mrs Swati Thombare. A merit-based online screening test selected 70 program participants. The workshops were held in the E&TC Department’s Software Laboratory for hands-on, application-based learning. Mrs Vrushali Joshi provided clear conceptual explanations and illustrations. Students were fascinated by AVL tree rotations and shortest path methods. (ii) For IETE Students’ Day 2026, the “Tree Plantation

Drive” was held on **Feb 26, 2026**. Dr P Malathi, Principal, DYPCOE, Akurdi, Pune; Dr Rutuja Deshmukh, HOD E&TC; and Mrs Usha Jadhav/ Biradar ISF coordinator were the Chief Guests. The event promoted student environmental awareness, teamwork and social responsibility.

- **ISF at Ganadipathy Tulsi’s Jain Engineering College, Vellore** conducted following activities: (i) A technical seminar in Embedded Systems & IoT on **Jan 29, 2026** by Shri H Sharun, embedded engineer, Strydo Technologies. (ii) A National Level Technical Symposium “VOLTERA ‘26” was arranged on **Feb 20, 2026** conducted by Shri Mohanasajiv, manager, JEEP, who gave an inspiring address captivated the audience and emphasized the vital role of engineers in the digital era. (iii) A five day program in “Mind Power & Academic Excellence” was organized on **Mar 23-27, 2026**.

- The ISF at the **Dept of ECE, of PSCMR College of Engineering & Technology (Autonomous), Vijayawada** in association with IETE Vijayawada Centre, arranged (i) a one-week workshop titled, ‘PCB Design,’ on **Jan 29- Feb 04, 2026**. Sk. Mahaboob Subhani, Asst prof, PSCMRCET& Mrs J Rajya Lakshmi, PSCMRCET, Vijayawada, were resource persons for the workshop. (ii) Another workshop of a three-day, was conducted on “Build Smart Systems: Hands on Embedded Systems Workshop”, during **Feb 5-7, 2026**, by Shri Govinda Rao Velamala, CEO, Microlink Information Technologies. (iii) A five-day Online Faculty Development Program (FDP) on “Advanced Research Paper Writing, Scholarly Tools and Journal Selection Strategies” was held on **Feb 23-27, 2026**.

- The ISF at the **JSPM’s Rajarshi Shahu College of Engineering (RSCOE), Tathawade, Pune** organized the DIY and Techathon events on **Feb 2, 2026**, in collaboration with the Dept E&TC and IETE under Electronova, promoting innovation and hands-on learning. The DIY challenge comprised a quiz, circuit simulation using Wokwi and a collaborative task assessing technical and analytical abilities. The Techathon showcased hardware-based projects that addressed real-world challenges in IoT, AI/ML, automation and sustainability. Projects were assessed based on innovation, feasibility, impact and presentation, promoting collaboration, creativity and practical engineering skills. Shri Shyamsunder Madewar, Head -YIN Maharashtra, promoted problem-solving, skills relevant to industry, collaboration, a culture of innovation and active involvement in DIY, quiz, simulation and project competitions.

- A new ISF at **St Peter’s College of Engineering and Technology, Avadi, Chennai** was inaugurated on **Feb 2, 2026** by Er N Sridharan, Chairman, IETE Chennai Centre, Chennai.

- **ISF at Loyola – ICAM College of Engineering & Technology (LICET), Chennai**, conducted following activities : (i) A Guest lecture on the theme “Indigenization of Emerging Technologies – Opportunities for Future Engineers” on **Feb 2, 2026** by Shri Balaji Krishnarajan, Chief Executive Officer, Udu Labs, followed by an interactive problem-solving activity that enhanced students’ industry awareness, critical thinking and career readiness. (ii) An “Idea to Impact - Demo Day” on **Mar 4, 2026** by Ms Roopika M M, Engineer, Microchip Technology, Chennai. The event served as a platform for students to showcase their innovative mini-projects, transforming ideas into practical solutions. It encouraged creativity, technical skills and entrepreneurial thinking among participants. (iii) An Industry-Academia Conclave 2026, panel

discussion on “Emerging Technologies and Sustainable Indigenization: Redefining the Role of Electronics Engineers” was organized on **Mar 14, 2026** by Shri Rex Mohan Kumar, Placement Manager, LICET, (2) Shri Hiram Prasanna S, founder and CEO, Struent Semiconductors, (3) Mr. Duraivel Gopal, Business Leader, Research Scholar, Digital & IT Services Practitioner, (4) Mr. Prakash Mani, Delivery Unit Head (General Manager), HCLTech, (5) Mr. Nandhakumar V, the Founder and UX/CX Director of Dreamworx & (6) Ms. Vijayshree Mahesh, Trainer, Facilitator and Founder, Vihar Learning.

- During the period under review, the ISF at the **Dept of ECE, Bapatla Women’s Engineering College, Bapatla** and IETE Vijayawada Centre worked together to organize nearly four events: *(i)* IETE Students’ Day, which took place on **Feb 3, 2026**. In this program, approximately 150 children and 18 teachers participated in games and technical competitions, with awards given to the winners; the remaining students received certificates of participation. *(ii)* An industrial visit was scheduled for **Feb 25, 2026** at “Doordarshan Kendra, Vijayawada.” *(iii)* **Feb 28, 2026**, was designated as “National Science Day.” Students showcased their creative ideas by hanging posters and building models to show how things worked. Trophies and awards were given to the participants. *(iv)* Celebrated “International Women’s Day” on **Mar 7, 2026**, by providing the pupils with instructive games and activities. Approximately 600 students and staff members took part.

- On **Feb 4, 2026**, the **IETE Student Forum** was successfully inaugurated by the **EE Dept of Walchand College of Engineering (WCE), Sangli, Maharashtra**. The purpose of the event was to introduce II year students to the professional activities, technological potential and advantages of IETE. Dr S D Ruikar and Shri R G Mevekari successfully oversaw the program. The program’s Chief Guest at the inaugural ceremony was Shri Raviraj Patil, a WCE, Sangli alumnus currently employed as Senior I&C maintenance supervisor at Nawah Energy Company in Abu Dhabi, United Arab Emirates. The inaugural event sought to improve students’ technical proficiency, leadership abilities and industry awareness while inspiring them to actively engage in professional organizations. IETE’s role in advancing technical education, professional ethics and research-oriented learning in the field of electronics and telecommunication engineering was explained to the students throughout the session.

- The **ISF at the Dept of ECE of Usharam College of Engineering and Technology (Autonomous), Vijayawada** in association with IETE Vijayawada Centre, organized a one week workshop on “PCB Design” on **Feb 4-10, 2026**, conducted by Dr M Srivalli, APSSDC as the resource person.

- **ISF at ECE Dept at RMD Engineering College, Kavaraipettai, Kilmudalambedu, Chennai**, organized *(i)* A national level technical symposium- Saankethika-2k26 on **Feb 5, 2026**. This symposium offered a platform for knowledge exchange, collaboration and inspiration for tech enthusiasts, researchers, industry leaders and students alike. It provided an opportunity for students to explore and critically analyze the intangible aspects of innovation, preparing them to think holistically about the future of technology. *(ii)* A one-day seminar titled “Recent Trends in Image Processing and Applications” was conducted on **Feb 25, 2026** offering a venue for pupils to investigate and critically assess the credible facets of innovation, equipping them to contemplate comprehensively

the future of technology. The event elucidated the partnership between the Department of ECE and the IETE Students’ Chapter, promoting a culture of academic excellence and innovative thought. *(iii)* A Paper Presentation Contest-2025-26, planned for **Mar 30, 2026**, offered an environment for students to investigate and critically evaluate the credible facets of innovation, equipping them to consider the future of technology comprehensively.

- In collaboration with the IETE Vijayawada Centre, the **ISF of the School of Electronics Engineering (SENSE) at VIT AP University, Amravati, AP**, organized a special event called “Think. Embed. Connect- A Route to IoT and Embedded Systems” on **Feb 11, 2026**. Shri Sudheer Reddy, the founder and CEO of Sense Semiconductor & IT Solutions Pvt. Ltd. (SSIT), served as the event’s resource person. He is an industry specialist in IoT and embedded systems. By going over a number of significant fields and career options, the presenters gave a thorough introduction of the Electronics and Communication Engineering (ECE) ecosystem.

- The “TECHTORRENT-2K26” technical event took place on **Feb 16-17, 2026** and was co-hosted by the **ISF at Siddhartha Academy of Higher Education’s Department of ECE** (formerly VR Siddhartha Engineering College) in Vijayawada and the IETE Vijayawada Centre.

- The **ISF of the Dept of ECE, Narasaraopeta Engineering College, Narasaraopet**, association with IETE Vijayawada Centre, organized a one-week workshop on “AI in Electronics” on **Feb 17-23, 2026**. Shri Siva Sankae Reddy, Jaishna Technologies Pvt.Ltd, APSSDC, was the resource person for the workshop. *(ii)* ISF also organized a one-week workshop on “Robotics” on **Feb 23-28, 2026**, conducted by Shri A Thrilochan Kumar, APSSDC.

- The **ISF at the Dept of ECE, Andhra Layola Institute of Engineering and Technology, Vijayawada** in association with IETE Vijayawada Centre, organized a two-day workshop on “Robotics Using Raspberri Pi Pico” on **Feb 18-19, 2026**.

- The **ISF at St Thomas Institute of Science & Technology (STIST) Thiruvananthapuram**, hosted an event on **Feb 20, 2026**, under the auspices of the IETE Thiruvananthapuram Centre to honour Dr Manoj BS, Senior Prof & Assoc. Dean, IIST Trivandrum, who was the recipient of IETE NV Gadadhar Memorial award-2025. In association with the annual IETE Students’ Day celebrations, the seminar on “AI in Wireless Networks and Aerospace Engineering” was organized. The welcome address was delivered by Dr Bhadrans V, Centre Chairman, who emphasized the importance of the program, particularly for students seeking to enhance their understanding of contemporary technology. He underscored the importance of the ISF forums in the region participating actively in the Centre’s activities. Dr AG Mathew, honorable Principal of STIST, delivered the inaugural address. He emphasized that these events are a valuable opportunity for both students and professionals to hear from experts in the field about cutting-edge technology topics. He also mentioned that many of these technologies will serve as catalysts for future development and employment opportunities in the country. Consequently, a message from President IETE was read in the spirit of Students Day. Two technical lectures were held followed the felicitation program of Prof B S Manoj. The Awardee delivered the initial presentation on the subject of “AI-driven Wireless Networks” and addressed the

aspects of wireless networks that are relevant to common applications such as WiFi, as well as the potential of AI to optimize network protocols and configuration. The lecture addressed the integration of contemporary AI and ML methodologies into the rapidly developing field of wireless networks and communication. Dr Sreelal S, outstanding Scientist, ISRO, delivered the second lecture on the subject of “Computing Systems for Aerospace.” It addressed the configuration of computing and avionics systems utilized in ISRO’s missions, as well as several prospective directions that are currently under active research. Shri R Purushothaman Nair, the EC member of the IETE Centre, delivered a felicitation message and a summary of the event. The event concluded with a vote of thanks from Dr Geenu Paul, the Hony Treasurer of the Centre.

- The inauguration of the **ISF at Rajalakshmi Institute of Technology, Chennai**, occurred on **Feb 20, 2026**, officiated by Dr D Vijendra Babu, Associate Professor at VIT, Vellore and EC Member of the IETE Chennai Centre, who delivered a Guest lecture on the “Digital Twin of Everything.” The session sought to elucidate the replication of physical systems in a virtual environment through the utilisation of real-time data, Internet of Things (IoT), artificial intelligence (AI) and cloud computing. It aimed to distinguish among digital models, digital shadows and complete digital twins while examining their integration levels and architecture.

- The ISF at the **Dept of Internet of Things (IOT), Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru** in association with IETE Vijayawada Centre **(i)** celebrated “IETE Students’ Day – 2026” on **Feb 20, 2026**. Dr B Surya Prasad Rao, Chairman, IETE Vijayawada Centre delivered the talk on the topic: “Beyond Marks and Money: The Power of Values”. **(ii)** The ECE Dept organised a one-week skill development program on “AI in Electronics”, during on **Feb 16-21, 2026**. **(iii)** With Department of Internet of Things (IOT), **ISF** organised a special event “Queen’s Carnival – Give & Gain” on **Mar 12, 2026**.

- The ISF of the **Dept of ECE, Vignan’s Nirula Institute of Technology & Science for Women, Guntur** in association with IETE Vijayawada Centre, organized a Guest lecture on “Range Operations for Launch Facilities” on **Feb 20, 2026**. Dr BV Subbarao, former Scientist, ISRO, Director of QISCET, distinguished professional AICTE, technical advisor INSPACE, Department of Space, delivered the Guest lecture.

- The **new ISF** at the Dept of ECE of **Punjab Engineering College (Deemed to be University)**, was inaugurated on **Feb 23, 2026** during the inaugural session of 5G and beyond Conclave 2026. The Chief Guest on the occasion was Shri R Shakya, Additional DG, DoT, GoI. The other notables present were: **Shri Sunil, President IETE**; Shri Rajesh Kumar Bhatia, Director, Ad-interim of PEC, Chandigarh; Shri Ajay Mishra, Global Technology Leader, Author, Board Member; Shri Ram Chandra Sharma, Director (SRI), DoT, GoI; Shri Rajesh Kumar Pathak, DG, Bharat 6G Alliance; Shri Sandeep Sharma, VP, Head of Emerging Technologies- NS; Shri Sendil Kumar, Dir-Standards and Spectrum, Ericsson; Shri Neeraj Rana, Country Manager Anritsu India Pvt Ltd; Shri Diwakar Pathak, Senior Product Manager, Data & AI, IT Security, Ericsson; Shri Dheeraj Kumar, Director-(Network Team) Samsung R&D India Bangalore; Dr Umesh Tiwari, CSIO, Chandigarh, Dr Surinder Saini, CSIO Chandigarh, Dr Balwinder Singh, NITTR Chandigarh; Prof Rajesh Khanna, TIET, Patiala. The Conclave 2026 was convened as part of the Industry–Academia Week, which brought

together senior government officials, industry leaders and academic Faculty to discuss the future of India’s telecommunications sector, including the deployment of 5G and the development of indigenous 6G technology. The IETE Student Forum (ISF) was formally inaugurated at the inaugural ceremony, which included a welcoming address by Director Prof. Rajesh Kumar Bhatia. The Keynote Address was delivered by Chief Guest Shri Radhacharan Shakya, ADG Telecom, DoT, while the Guest of Honour, Shri Sunil, President of IETE, addressed the gathering on industry-academia collaboration. The technical sessions convened senior representatives from government, industry and research to discuss a variety of topics, including Sovereign AI, 6G standardization at ITU-R and 3GPP, AI-driven network architectures and real-world 5G deployment experiences. Organizations such as Accenture, Ericsson, Tech Mahindra, Samsung and the Bharat 6G Alliance contributed to the discussions. The Top 3 5G Use Case Presentation was a standout segment, being selected from entries across 100 Use Case Labs nationwide and emphasizing grassroots innovation. A Panel Discussion on the topic of bridging the 5G lab-to-market divide concluded the conclave, which was followed by the Valedictory Session. The discussion was attended by experts from industry, government and research. **(ii)** On **Feb 26, 2026**, students from CGC University, Mohali, visited the 5G Use Case Lab. The objective of the visit was to provide participants with a practical understanding of 5G technologies and their applications. The 5G communication systems and significant technical advancements were summarized by Dr Simranjit Singh. The lecture underscored the importance of research, innovation and practical experimentation in the field of next-generation wireless communication. The students were presented with a diverse array of 5G deployment challenges, system architectures and use cases. Through interactive discussions and technical demonstrations, participants were able to gain a deeper understanding of PEC’s ongoing research and laboratory facilities. **(iii)** On **Apr 7, 2026**, the 5G Use Case Lab at Punjab Engineering College hosted an offline expert session titled “Role of Students and Entrepreneurs in IETE.” Dr Umesh Tiwari, President of the IETE Chandigarh Section, gave a thought-provoking lecture during the session that emphasized the vital role and prospects for students and budding entrepreneurs within the IETE framework. His speech was intended to uplift and motivate students to make significant contributions to the ISF at PEC. IETE students, EIC instructors and the student team received IETE certificates, cards and t-shirts.

- The NSS Unit of **Lakireddy Bali Reddy College of Engineering, Mylavaram**, in collaboration with the **ISF** at the **Department of ECE** and the **IETE Vijayawada Centre**, conducted a “Science Exhibition for students” from various schools in Mylavaram Mandal. Participants exhibited innovative science models with enthusiasm. The event sought to foster scientific awareness, creativity and research interest among students, while also highlighting the significance of science and technology in everyday life and offering a platform for talent showcase and idea exchange on **Feb 28, 2026**.

- **ISF** at **Dr MGR Educational and Research Institute, Maduravoyal, Chennai**, organized: **(i)** 10th National Conference SILICON’ 26 on **Mar 2, 2026**. The sessions and presentations facilitated knowledge sharing and inspired new approaches to problem-solving in modern technological applications. In addition, the conference played a crucial role in strengthening industry–academia interaction, bridging the gap between theoretical research and practical implementation. **(ii)** a

One-day Hackathon - DIGI X THON 2026 on **Mar 30, 2026**. The event was supported by industry partners, including TechPower Solutions Private Ltd, Epical Layouts Private Ltd, iStudio Technologies and Pantech Solutions and was successfully coordinated by Faculty and student organisers, making it a valuable initiative that fostered innovation, collaboration and practical problem-solving among young engineers.

- The **ISF at Geetha Shishu Shikshana Sangha Institute of Engineering & Technology for Women (GSSSIETW) in Mysuru, Karnataka**, celebrated International Women's Day-2026 with the theme "Give to Gain," promoting the spirit of contribution, support and uplifting for a stronger, more inclusive society, on **Mar 10, 2026**. Shri Amarnath K K, senior civil judge and member Secretary, District Legal Services Authority, Mysuru, was the Chief Guest, while Prof Harjinder Singh Bhatia, Chairman, Women Engineers Empowerment Leadership Committee (WEELC 2025-26) and Governing Council Member of IETE, Bengaluru and Prof C Murali, Distinguished Fellow and former Vice president, IETE, New Delhi, were the guests of honour. Dr Shyamala C, Associate Professor, Department of ECE, talked about International Women's Day's history, significance and goals. The ceremony honoured student toppers in academics, technical activities, athletics and extra-curriculars. Ms Spurthi Anand for her participation in national technology forums and hackathons, Ms Aishwarya S for representing the institution in state and national Kabaddi competitions and Ms Spandana Venkatesh for her NCC achievements, including earning A, B and C certificates and representing Karnataka in various camps. The Chief Guest, Shri Amarnath K K, gave a keynote address on the "Prevention of Sexual Harassment of Women at Workplace (POSH) Act" after the formal program. He educated students about the Act's legal provisions, employers' responsibilities and women's redressal mechanisms. Following this, Prof Harjinder Singh Bhatia spoke on "Manifestation of Professional Career Ahead" and encouraged students to embrace challenges, learn from their experiences and be grateful to their mentors and supports. Later, Prof C Murali lectured on "Development and Applications of 5G and Emerging 6G Technologies," urging students to join in and progress communication technology. Dr M Shivakumar, Principal, concluded by emphasizing the institution's dedication to women's empowerment through innovation, entrepreneurship and developing industries like defense technologies. During the celebration, "App4Her" was held with the topic "Women's Safety." The experience inspired students to create smartphone and web apps that improve women's safety with emergency notifications, location tracking and speedy assistance services. The evaluation panel included Dr Manjuprasad S, prof & HoD, AI & ML (CSE) and Dr Roopashree H R, prof & HoD, AI & DS. Preethi Umesh Halamani, Pavanika A J and Meghana S (AI & DS) won first prize. Hephzibah Magizhini, Dimpana V and Abhishta S won the second prize (AI & DS). The third prize went to Aishwarya S, Amulya U, Chandana K T and Divya Suraj Ballal [CSE(AI ML)]. GSSS (R) Secretary Smt Anupama B Pandit and CEO Shri R K. Bharath, also addressed the audience.

- **ISF at the Sinhgad Institute of Technology (SIT), Lonavala, Pune**, celebrated International Women's Day on **Mar 12, 2026**. Dr S D Date, head of the Electrical Department, served as the Chief Guest, emphasizing the significance of women. He stated that women have been the foundation of society for centuries, influencing communities, families and workplaces through their wisdom, diligence and empathy. From historical leaders to contemporary innovators and from homemakers to astronauts, women

have consistently demonstrated their capacity to achieve remarkable feats when afforded equal opportunities. Other notable attendees included Dr D S Mantri, Honorary Secretary of the IETE Pune Centre.

- The **ISF at ETC Dept, Rajarambapu Institute of Technology (RIT), Sakharale, Maharashtra**, conducted the National Conference on Multidisciplinary Smart Innovations (NCMSI-2026), on **Mar 14, 2026**. Dr Jyoti Jadhav, Shivaji University, Kolhapur Pro Vice Chancellor, was the Chief Guest. Her keynote presentation stressed that modern innovation requires diverse approaches. Climate change, sustainable development and digital transformation require knowledge integration across engineering, science, management and social sciences, she said. Following dignitaries graced the occasion: Dr PV Kadole, Director, RIT, Dr AB Kakakade, dean R&D, Prof RT Patil, program coordinator, Dr MS Patil, head ETC Department, RIT, Sakharale, Dr J S Awati, convener & organizing Secretary, Dr M S Kumbhar, convener & organizing Secretary, Dr S R Jagtap, program coordinator, IETE.

- The Dept of Information Technology at **AVC College of Engineering in Mannampandal, Mayiladuthurai District, Tamil Nadu**, inaugurated a **new IETE Students' Chapter** on **Mar 20, 2026**. The event featured the Guest of honour, Dr P Balasubramanian, Principal; Resource person, Dr N Venkateswaran, Prof, Dept ECE; Shri Sivasubramaniya Nadar College of Engineering, Chennai, former Chairman, IETE Chennai Centre; and Dr V Padmavathi, HoD, Dept of Information Technology, who urged students to engage in technical activities and leverage IETE opportunities. The IETE Students' Chapter was formally founded, signifying a significant advancement in fostering technical excellence among students. Dr N Venkateswaran's technical session offered significant insights into recent advancements and emerging trends in technology. Students engaged passionately with the speaker, rendering the event both instructive and captivating. The program was orchestrated by Dr K Aruna, assoc prof and coordinator of the IETE Department.

- The **ECE Dept at Guru Nanak Dev Engineering College (GNDEC), Ludhiana, Punjab** organised (i) E-VISION on **Sep 16, 2025** marking a celebration of 70 years of excellence. The event showcased a vibrant mix of technical and fun-filled competitions, including paper presentation, hack the hardware, project exhibition, electrocraft, techmoji, technical rangoli, treasure hunt, catch the beat and grab the seat and tech x tambola. Students enthusiastically participated and displayed their creativity, innovation and problem-solving skills. Trophies were awarded to the winners in recognition of their achievements. Wg Cdr (Prof) Pradeep Prabhakar, former IETE president, graced the occasion as the Chief Guest and shared his thoughts with the students. HS Jatana (former Scientist, SCL, Mohali) also shared his valuable insights. On this occasion, Principal Dr Sehijpal Singh motivated students to continue their journey of innovation and excellence. (ii) World Telecommunication & Information Society Day 2026 was organized on **May 7, 2026** on the theme, 'Empowering Communication, Connecting the Future'. Prof (Wg Cdr) Pradeep Prabhakar delivered an insightful talk on Implementing Rugged and Resilient C4ISR System including AI/ML Technologies, wherein he highlighted emerging technologies deployed during Operation Sindoor. Key topics discussed included: software defined radio, electro-optical & infrared sensors, satellite imagery, drones & UAVs, anti-drone systems, variable bit rate missiles, Akashteer automated air defence system and AI/ML technologies. The programme was well appreciated and covered by the local dailies.

Telephones in India -2026

– Dr T H Chowdary*

17th of May every year is observed as World Telecom and Information Society Day by all nations of the world as per advice of the International Telecommunications Union (ITU). The ITU was founded in 1865, much before the League of Nations (1920) and the United Nations (1945). It has 194 countries as Members and thousands of telecom and I.T corporations as associates. Head Quartered in Geneva, the ITU facilitates the development of standards and exchange of experts for world-wide telecons.

Dr T.H. Chowdary was engaged by the ITU for development of services in Guyana, Yemen, South Africa and Nepal.

This article is a brief exposition of the status of telephone services in India.

In 1994 the first National Telcom Policy (NTP-1994) was announced in sequence of Prime Minister Shri P V Narasimha Rao's economic liberation policies. It ended government monopoly on the provision of telecom services. The telephone situation in relation to population and prosperity in 1994 and 2026 is:

Year	Population (cr)	Tel (cr)	Phone*	PCI:Rs	Spend/phone	PCI/phone
1994	100	1.0	1.0	10,000	10,000	1.0
2026	145	126.0	87	2,16,000	3,000	72.0

*number per 100 people

2. In 1994, one had to spend as much as the whole year's per capita income for an year's telephone service; now in 2026; he has to spend 1/72 or 0.014% of his annual income; that is why 87% of Indians have a Telephone in their hand. The reason is abolition of monopoly of government; entry of competing private Telephone companies the rate of telephones added per month was staggering as below:

Year	2007-08	2008-09	2009-10	2010-11	2011-12
No. of phones added (mlm/m)	8	10	16	19	9

On 2 Feb 2012, the Supreme Court cancelled 122 licenses awarded in 2008 on the infamous "first -come-first" licensed race by the DMK Minister, Andy Patti Raja.

3. At the height of competition there were about ten Telcos, some of them like Telenor (Norway) foreign ones. Plenty of foreign investment and technology came into India's telecom sector. Through the natural process of acquisitions and mergers the weak ones disappeared and we are now left with two strong profit-making Private Telcos: Reliance Jio and Bharti Air Tel; a loss-making tottering P-Telco: Vodafone-Idea (VI for short) and surviving with government help

and two loss-making government Telcos (G-Telcos) the BSNL and MTNL.

- The Vodafone-Idea, the continuously money and subscriber losing company had a lot of what it owes to government, got converted into equity of the government to the extent of a little less than 50% to stay private and some Rs. 80,000 cr to be paid over a decade or more !
- How can a subscriber and money-losing company for the last decade ever pay off a huge debt is beyond belief.
- One pleasant consequence of competition is the continuously increasing speed and volume of information (all digitized). Successive generations of technology, indicated by the letter "G" are delivering more information and faster (as indicate below).

Generation	1G	2G	3G	4G	5G
Speed (Bits per Sec)	64K	256K	1M	10M	1G

Note: K=1000 (kilo); M=1000,000 (Mega); G=1,000,000,000 (Giga)

- While P-Telcos Reliance Jio and Bharti Air Tel are offering 5G service, the rest are struggling to upgrade their 3G.
- The ultimate proper outcome appears to be:
 - Reliance Jio and Bharthi Air Tel will prosper and serve better and more.
 - Vodafone-Idea will convert more of its debt to government into equity becoming a G-Telco (Government Telco)
 - Government will become the benign holder of loss-making Telcos - BSNL, MTNL and Vodafone-Idea conferring immortality on them (The late Vasant Sathe's pronouncement on PSUs)
- Sri Vasant Sathe, former Communications Minister, GOI on Public Sector Undertakings:
Academicians have attributed several traditional strengths to the public sector.

*Padma Shree awardee

Chairman: Pragna Bharati

Founder & Fellow Emeritus: Centre for Telecom Management & Studies

Fellow: Tata Consultancy Services

Convenor: Bharatiya Dharma Rakshana Samakhya

Former: IT Advisor, GOAP; Founder CMD, VSNL

Chairman: Bharatiya Vidya Bhavan, Hyderabad Kendra

Governor: INTELSAT, Washington

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M: 9849067359, WhatsApp: 8309392687, T: (40) 2784-3121

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They primarily are:

- ability to survive without profit
- state-ownership gives them immortality
- wages and high bonuses can be paid even by continuously incurring losses

10. Some interesting facts about telephones:

- **Telephones in the World :** app. 900 cr for 800 cr people
- **Telephones in India:**
 - Tele-density in India: 87 phones for 100 people
 - Tele-density in Urban India: 132
 - Tele-density in Rural India: 59
 - Tele-density - Lowest : Bihar -65
 - Tele-density - Highest: Delhi 278; Himachal Pradesh: 174; Kerala:121
 - Tele-density in World: 112

Tail Piece: ARPU (Average Revenue Per User per month)

R-Jio & Bharti AirTel = Rs. 250

BSNL = Rs. 150

Vodafone = Rs. 186.



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I, Dr Manju Mam hereby declare that the particulars given above are true to the best of my knowledge and belief.

Sd/-

Dated: 28 April 2026

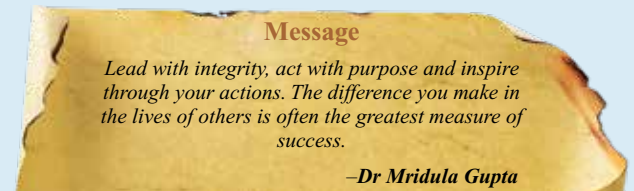
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IETE Women Achievers



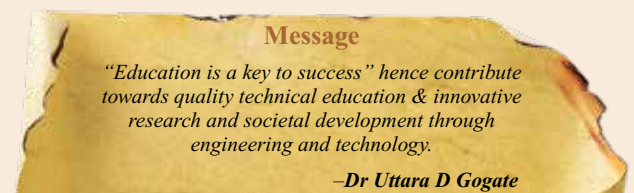
Prof (Dr) Mridula Gupta (F-149852) obtained her MSc in Electronics, MTech in Microwave Electronics and PhD from Delhi University, amassing 38 years of teaching and research experience. She presently holds the position of senior professor in the Department of Electronic Science at the University of Delhi, South Campus. She has authored over 250 articles in Scopus-indexed journals, contributed to more than 360 papers in international and national conference proceedings, presented over 30 invited/keynote lectures, holds one patent and has supervised 33 PhD candidates. Her h-index stands at 40, with more than 7,000 citations to date. She has managed 28 research projects valued at around Rs 5 crores, financed by UGC, CSIR, DST, DO, DoT and DU. She is a senior member of IEEE and a Fellow of IETE, currently serving as the Vice Chair of the SRC for IEEE-EDS, Region 10. She served as Chairperson of the IEEE EDS Delhi Chapter and President of the WIE IEEE Delhi Section Affinity Group for several years. She serves as a Co-Principal Investigator of the Samarth Project, an open-source initiative by the Ministry of Education, Government of India, aimed at disseminating education through information and communication technology.

Dr Mridula has been the recipient of numerous accolades, the most recent of which was the IETE–Smt Manorama Rathore Memorial Award in 2025. Additionally, she was selected for the International Research Awards on Advanced Nanomaterials and Nanotechnology –Best Researcher Award in December 2023. In 2023, she was also awarded the Distinguished Woman Researcher in Electronics Award by the Venus International Foundation. In 2019, Ulektz Wall of Fame recognised her as one of the Top 50 Research Guides in India. Furthermore, the IEEE EDS Best Chapter of the Year Award was granted for contributions made in 2012 and the award was re-awarded for work completed in 2016. Currently, she is also functioning as an Editor for the *IETE Journal of Research*.



Dr Uttara Dhananjay Gogate (F-233334) is presently the Principal of Shivajirao S. Jondhale College of Engineering in Mumbai. She obtained her ME in Computer Engineering in 2007 and her PhD in Technology in 2019, both from the University of Mumbai. She holds Star certification as a Star Expert IoT Specialist (SIES) - R2.0. She has three Indian patents: “Verti Harvest Haven for Future Sustainability” in 2025, “Python Based Metro Ticketing Using Face Recognition” in 2024 and “Prediction-based Intelligent HealthCare Model Using Diagnostic Decision Support System” in 2019. She successfully completed two projects: “Remote Health Monitoring System based on Wireless Sensor Networks” in 2014-15 and “Color Histogram Based Image Retrieval using Feature Extraction” in 2017-18, both at the University of Mumbai.

Dr Gogate is presently serving as the Honorary Treasurer of the IETE Mumbai Centre for the term 2024–2026. During this period, she commenced building renovation efforts and offered various ideas for revenue creation and long-term financial sustainability of the Centre. Previously held the position of Honorary Secretary of the Mumbai Centre from 2016 to 2018, during which she initiated the refurbishment of the Centre’s buildings and contributed to infrastructure development. She was instrumental in the inauguration of three new ISFs. Coordinated and engaged in several seminars, workshops, Faculty development initiatives and technical events under the auspices of IETE. She has acted as the Coordinator for the ‘International Conference on Recent Trends in Sustainable Technologies’ IETE-ICRTST 2018.



Awards & Achievements



Prof (Dr) Anil Kumar Saini (F-101917), the Emeritus President of IETE, has been appointed as the **Vice-Chancellor of the prestigious K R Mangalam University in Gurugram**. He is a distinguished academic, researcher and institution builder with over four decades of experience in higher education, research, administration and policy. He has served IETE in numerous leadership roles. *IETE extends its best wishes and compliments to Prof Saini.*

Prof (Dr) Jatinderkumar R Saini (LF-230093) Director, Symbiosis Institute of Computer Studies and Research (SICSR), Pune has been **elected as 'Fellow' (Engg & Tech section) of the Maharashtra Academy of Sciences** for the year 2025. He has been honoured with the Symbiosis Award for Excellence in Research and the Symbiosis Award for Excellence in Teaching. In 2025, he produced 12 publications in journals, over a dozen conference papers, edited one book published by Springer Nature, registered seven copyrights, published three patents and successfully guided two research scholars to obtain doctoral degrees. *Wishing you the best!*



Dr Ayan Karmakar (F-236530), Scientist/ Engineer-SF, ISRO **presented his paper in Hindi, titled 'Lachile Substrate par Uchh labh wala W-band Mudrit Antenna'** at National level Hindi Technical Seminar/ Sangoshti conducted by Ministry of Electronics and Information Technology (MeitY), Govt of India on 27 Mar 2026 at SCOPE Convention Centre, New Delhi. The paper was adjudged as the Best Paper in Semiconductor category. *Well done!*



The book **"Direction Finding Algorithms for Practicing Engineers: With C and MATLAB Code"** by **Prof Venkata Rangarao Kaluri (LF-500431)** was **published by Springer Nature** in May 2026. This noteworthy accomplishment is indicative of his exceptional expertise, unwavering commitment to engineering education and invaluable contributions to the disciplines of signal processing and direction-finding technologies. *Best Wishes!*



The book is alive at <https://link.springer.com/book/10.1007/978-3-032-06997-9>



Dr Pinaki Chakraborty (F-504957L) has authored **An Introduction to Computer Science**, a recently **published book** that provides a comprehensive introduction to the undergraduate computer science curriculum. The book succinctly covers the major domains and foundational concepts of computer science, presenting them in a manner that is both engaging and accessible. Intended for first-year students of computer science and allied engineering disciplines, the book offers a broad perspective on the subject and its various areas of specialization. In addition, it serves as a useful guide for senior undergraduate students preparing for internships and placement interviews. A notable feature of the book is the inclusion of over 100 solved and unsolved questions, designed to promote self-learning, reinforce key concepts and support effective preparation for academic and professional assessments. *Wishing you the best in your future endeavors:*



In Memoriam

With heavy hearts, we share the news of the passing of our beloved Emeritus President, Mrs Smriti Dagur, making history as IETE's first female President. She continued to serve our Institution until her final days. Her final lecture at the IETE Ahmedabad Centre was on "Women in Science and Technology and Strength," which she delivered on April 25, 2026, in conjunction with the International Women's Day celebrations and as a recognition of her lifetime achievement Award.



Smt Smriti Dagur a Distinguished Fellow and Emeritus President of the Institution, departed for her heavenly abode on 28th April 2026.

She served the Institution with considerable distinction as President for two consecutive terms, 2014–15 and 2015–16. She was awarded the Lifetime Achievement Award at the Institution's Annual Convention in September 2025 in Chandigarh, in recognition of her exceptional and consistent contributions to the Institution's vision and mission over the course of several decades.

Smt Smriti Dagur, a fine educator, demonstrated creative leadership that served as a source of inspiration, adeptly navigating the Institution through changing obstacles with insight, passion and poise. She was instrumental in transforming the Ahmedabad Centre into a dynamic and self-sustaining Centre for academic and professional endeavours.

In 1982, Smriti Dagur earned a Master of Science in Electrical Engineering from Rutgers University in New Jersey, USA. In 1972, she completed her BE (Hons) at BITS, Pilani. She had completed her Pre-Science and FY BSc at St. Xavier's College in 1965 and had completed her secondary education at CN Vidyavihar in Ahmedabad. While volunteering at her alma mater, C N Vidyavihar, she instructed students in Mathematics, Physics and English. From 2016 until her tragic death, she served as a Cuemath teacher, instructing both Indian and international students in mathematics.

She initiated her professional journey as an Assistant Lecturer at L D College of Engineering in Ahmedabad. For more than three years, she had also instructed high school pupils in Monrovia, Liberia, West Africa in the subjects of mathematics and basic electronics. For more than two decades, she had served as the Executive Director of a plastic packaging manufacturing facility in Chhatral GIDC. She had established a Centre for software development and data processing. Additionally, she served as the executive Director of the bubble manufacturing branch at GIDC, Sanand. For over two decades, she had served as a visiting Faculty member at the B K School of Management and the Rollwala Computer Centre in Ahmedabad, where she had instructed students in the field of Management Information Systems.

In addition to her exceptional contributions to IETE, Smt Dagur was also highly regarded for her entrepreneurial achievements. Her exceptional accomplishments in the field of entrepreneurship were acknowledged by the Gujarat Chamber of Commerce and Industry with the "Best Entrepreneur Award." She was a life member of the Ahmedabad Management Association and Computer Society of India. She served as the Chairman of the IETE Ahmedabad Centre and as a member of the Governing Council for three consecutive three-year terms.

Her demise is an irreparable loss to the Institution and to all those who had the privilege of knowing and working with her. She will continue to motivate future generations through her legacy of leadership, dedication and service.

Our sincere condolences are extended to the bereaved family and we pray for the eternal peace of the departed soul.

New IETE Members Enrolled/Upgraded during Jan to Apr 2026

S.N.	Mem	Cat	Name	S.N.	Mem	Cat	Name	S.N.	Mem	Cat	Name
1	130041	AM	E,KOMALA HARINI	55	507590	AM	MUNGASE,HRUTUJA M	108	508022	AM	MILLIKARJUNA,P V S D D
2	163869	AM	DIVYANSHU RAJ	56	507591	AM	CHABUKSWAR,SWEETY G	109	508032	AM	SUGANTHY,S
3	176957	AM	CHATURVEDI,SURESH KUMAR	57	507592	AM	ADHAV,KOMAL B	110	508037	AM	SEN,RAJARSHI
4	177150	AM	RAWAT,AJAY	58	507593	AM	KULKARNI,VAISHNAVI G	111	508041	AM	M,ANUSREE
5	178780	AM	SHAIKH MOHAMMED SAJID ALI	59	507594	AM	TRIBHUVAN,MAYURI R	112	508056	AM	ELDURI,HARI
6	187066	AM	BHATTA,ARAVIND S	60	507595	AM	PARGHANE,CHARUSHILA B	113	043667	F	G N,UDAY BHASKAR
7	194458	AM	BHARTI RAKESH	61	507596	AM	HIWALE,ANJALI K	114	068113	F	PANDEY,NEENA
8	200661	AM	MD EHSAN	62	507597	AM	SHAIKH SUFIYAN AHMED RAFIK AHMED	115	111913	F	PALLAMPARTHI,SURENDRA REDDY
9	202577	AM	GOPI,ANJALI M	63	507598	AM	MALI,VARSHA K	116	130889	F	SHARMA,DINESH
10	202800	AM	DESAI,TEJASWINI V MUTALIK	64	507599	AM	MANGUDKAR,ROHINI R	117	159009	F	RANJAN,RAJANI
11	205050	AM	ALI,AKBAR	65	507600	AM	SAKALKAR,SANDHYA N	118	170005	F	JAYADEVAPPA,D,DR
12	218619	AM	CHAND,KHEM	66	507601	AM	KARAD,SHUBHANGI BHARAT	119	188578	F	PURI,RAJEEV
13	225291	AM	SINGH,VIJAY B	67	507602	AM	SALVE,SAKSHI R	120	211926	F	UPADHAYAY,MADHUR DEO,DR
14	231550	AM	SHARMA,ANKUR	68	507603	AM	WAGH,ASHVINI POPAT	121	228084	F	PUNDHIR,SANDHYA,DR
15	238557	AM	ABDUL BASHEER NECHITHADAYAN	69	507604	AM	GADEKAR,KOMAL D	122	231957	F	KUMAR,KRISHNA MOHAN
16	238572	AM	GURAV,HARESH GAJANAN	70	507605	AM	THORAT,SIDDHARTH A	123	232736	F	THATI,JAGADEESH,DR
17	507375	AM	VISHNU,VARDHAN AKKARAJU	71	507606	AM	KHANDAGALE,SHUBHANGI D	124	235722	F	ANSARI,JUHI NISHAT,DR
18	507376	AM	PILLI,SEETHA RAMAIAH	72	507607	AM	CHAVAN,PRAGATI G	125	237812	F	SAWANT,DATTATRAY,DR
19	507377	AM	M,VARASUNDAR	73	507608	AM	RANDIVE,PRIYANKA U	126	500114	F	CHAKRABORTY,PARTHA SARATHI,DR
20	507378	AM	NALLAGONDA,ASHOK KUMAR,DR	74	507609	AM	PADAGHAN,TEJAS UDDHAV	127	501220	F	DESHORA,HARSH
21	507416	AM	P,MRANILA	75	507610	AM	YENDOLE,SWAPNA R	128	502198	F	KOYRAM,SHUSHRUTHA,DR
22	507417	AM	R,KALAIVANI	76	507611	AM	GAIKAWAD,ABHIJEET A	129	502307	F	DUTTA,DEBIPRIYA,DR
23	507418	AM	M B,REKHA	77	507612	AM	MALAGE,SWAPNALI M	130	502736	F	CHENGUTTUVAN, EZHILAZHAGAN,DR
24	507419	AM	SINGH,JITENDRA KUMAR	78	507613	AM	BHOSALE,MADHUGANDHA N	131	504964	F	JAIN,SWEETY,DR
25	507446	AM	CHANDANA,B R,DR	79	507614	AM	GADVE,PAWAN PRAKASH	132	505289	F	DAS,SIMANTA
26	507447	AM	SARMA,ASWATHY K	80	507615	AM	MURKUTE,POOJA R	133	507340	F	S,VEERAMANI
27	507448	AM	PAVITHRA	81	507616	AM	HADIYA,MOHD SHAHED MOIN	134	507341	F	NAIR,G RAJI
28	507449	AM	N,HARIPRIYA RAI	82	507617	AM	ZINE,JYOTI P	135	507342	F	V,NALLASAMY,DR
29	507450	AM	KRIPA	83	507618	AM	KOLAMBIKAR,NITEEN T	136	507343	F	NANGI,PARAMESWARA REDDY
30	507451	AM	MEHNAZ,FATHIMA C	84	507619	AM	UDAGE,LALITA S	137	507344	F	JALUKA,SAURABH
31	507452	AM	BABITHA	85	507620	AM	GHORPADE,SHWETA V	138	507345	F	SWAIN,CHAUDHURI MANOJ KUMAR,DR
32	507453	AM	KALPANA,R,DR	86	507621	AM	SAYEMA,ASFAHAN KHUSRO	139	507346	F	CHUGH,RITISH
33	507467	AM	GADIPUDI,VISHUVARDHAN RAO	87	507622	AM	KHAN,SANA ZARRIN	140	507347	F	LINGALA,VENKATA RAMANA SARMA
34	507468	AM	S,ASHOK,DR	88	507623	AM	SHEWALE,SONALI KIRAN	141	507348	F	DAS,SIVA SANKAR
35	507469	AM	BACHHAV,SWATI M	89	507624	AM	VAIDYA,TANMAY M	142	507349	F	KUMAR,GAGAN,DR
36	507470	AM	A,MOHAMED ABBAS,DR	90	507625	AM	GAIKWAD,SHRADDHA R	143	507350	F	N,KUMARAPPAN,DR
37	507471	AM	S,LEOPAULINE	91	507626	AM	UNHALE,MAYUR G	144	507351	F	CHAUDHARY,ARVIND KUMAR
38	507532	AM	JAIN,KRITI	92	507627	AM	KAHANDAL,KALYANI M	145	507352	F	MAINDARKAR,MAHESH,DR
39	507533	AM	RAMESH,NANDHAKUMAR	93	507628	AM	GOPALE,PRAGATI N	146	507353	F	SHARMA,NIDHI
40	507575	AM	A B,ABHISHEK	94	507629	AM	APARNA	147	507354	F	DEVABHAKTUNI,RAJOPAL
41	507576	AM	CHHANWAL,TANUSHREE L	95	507630	AM	IYER,RAJESH	148	507355	F	VELAYUDAM,SATHISH KUMAR
42	507577	AM	GANAKWAR,RUTUJA G	96	507719	AM	GADHE,DIVYA PARMESHWAR	149	507356	F	PARAMASIVAM,SHARAN BABU M
43	507578	AM	RAUT,AARTI PRAKASH	97	507720	AM	DALVI,RANI CHHAGANRAO	150	507357	F	GOSWAMI,AMIT
44	507579	AM	DEHARE,SHEETAL RAJU	98	507721	AM	LIPANE,SHRADHA U	151	507358	F	M,TIRUPATHAMMA
45	507580	AM	KANKE,RAJASHRI GANESH	99	507722	AM	MORE,POONAM S	152	507359	F	JAIN,JITENDER
46	507581	AM	NAGARE,SAMADHAN M	100	507723	AM	GADAPPA,ROHIT R	153	507360	F	VANAM,LAXMI
47	507582	AM	DAPKE,PRATIBHA P	101	507724	AM	KADAM,SWAPNIL R	154	507361	F	GUJJAR,PRAVEEN,DR
48	507583	AM	KANKHAR,MADHAV A	102	507725	AM	MORE,DHANSHRI P	155	507362	F	PAUL,DEBASISH
49	507584	AM	DEVKAR,PRIYANKA R	103	507726	AM	AGHA,ASTHA	156	507363	F	SUGUMAR,BALAKUMARAN
50	507585	AM	GUJAR,GANESH VITTHAL	104	507727	AM	RATHORE,SWETA V	157	507364	F	KAUR,GAGANPREET,DR
51	507586	AM	DESAI,SAYALI DILIP	105	507728	AM	DESHMUKH,AJAY R	158	507365	F	TRIPATHY,SOMANATH,DR
52	507587	AM	SHINDE,VAISHNAVI N	106	507729	AM	JADHAV,MONALI B				
53	507588	AM	GAHIRE,VAISHALI A	107	508008	AM	PANDA,JAGYANENI				
54	507589	AM	YADAV,SUYASH AJAYKUMAR								

AM = Associate Member

F = Fellow

M= Member

ORG = Organizational Member

S.N.	Mem	Cat	Name	S.N.	Mem	Cat	Name	S.N.	Mem	Cat	Name
159	507366	F	SINHA,RAMESH	215	507432	F	VISWANATHAN, VENKATRAMAN, DR	271	507506	F	KUMAR,ANURAG
160	507367	F	MONDAL,MOUTUSI	216	507433	F	BHATT,SAUHARD	272	507507	F	N,NALINI,DR
161	507368	F	TANGUDU,RAMESH	217	507434	F	SHAH,JOYAL	273	507508	F	PRAKASH,VINAY
162	507369	F	BIDKAR,DARSHAN MOHAN	218	507435	F	SINGIREDDY,SRIKANTH	274	507509	F	PANT,RUCHI
163	507370	F	MUDAVATH,TIRUPATHAMMA	219	507436	F	KALWANI,TARUN	275	507510	F	MEDURI,RAVI,DR
164	507371	F	LAGUDU,LOKESH	220	507437	F	PADMAPRIYA,KESARI,DR	276	507511	F	PRASAD,NAGARAJU
165	507372	F	MIRYALA,MALLESH	221	507438	F	PADMANABHAN,DINOJA	277	507512	F	SELVAGANESAN,JANA,DR
166	507373	F	DEV,RISHI	222	507439	F	SAXENA,NIDHI,DR	278	507513	F	JONNALAGADDA, RAM REDDY
167	507374	F	GUGULOTHU,SRAVAN KUMAR	223	507440	F	NUNNA,RAMADEVI	279	507514	F	PRASAD,RAJENDRA
168	507379	F	KANDATH,RAMADAS,DR	224	507441	F	JAISWAL,PIYUSH RANJAN	280	507515	F	SHAIKH,DANISH
169	507380	F	MUNDURU,VIJAYA SAI	225	507442	F	CHAUDHURI,ADITYA	281	507534	F	PERUMAL,SOORIYAPRAKASH
170	507381	F	BHATT,JALPABEN KETANKUMAR	226	507443	F	SINGH,PRAGATI,DR	282	507535	F	DEVARAJ,RAJESH
171	507382	F	SHARMA,RISHI RAJ	227	507454	F	JANGAM,SANDEEP KUMAR	283	507536	F	VENUGOPAL,PRASANTH
172	507383	F	TARRA,VASANTA KUMAR	228	507455	F	CHILAMKURTHI,LAKSHMI SUJATHA	284	507537	F	KARRI,NAIGIREDDY
173	507384	F	CHOCKALINGAM,NACHIAPPAN	229	507456	F	KHAN,RAZULLAH	285	507538	F	MANISH KUMAR
174	507386	F	BODDU,SHANKAR DAS	230	507457	F	KATTA,RAMA RAO	286	507539	F	ZAFAR UL HASAN
175	507387	F	PATEL,PARESH KUMAR	231	507458	F	WENKHEDE,VISHAL ASHOK,DR	287	507540	F	NIMBHORE,SUNIL S,DR
176	507388	F	CYRIL,HENRY	232	507459	F	KOURU,DURGA PRASAD	288	507541	F	SYED,AKHTER HUSSAIN,DR
177	507389	F	LAKHIMSETTY,SURESH	233	507460	F	CHITTOOR,KRISHNA CHAITANAYA	289	507542	F	MAGAR,NITIN S
178	507390	F	KUMARA,SHIVA	234	507461	F	JOSHI,VARUN	290	507543	F	KAKARWAL,SANGEETA N,DR
179	507391	F	IREDDY,RAVI KUMAR	235	507462	F	B,SIVA RAMA KRISHNA VARMA	291	507544	F	MOTE,GANESH M,DR
180	507392	F	VENKATARAMANAN,S SRIJAYANTH	236	507463	F	BEHERA,RANJAN KUMAR,DR	292	507545	F	UNDRE,PRABHAKAR B,DR
181	507393	F	PEDDA MUNTALA,PARTHA SARATHI REDDY	237	507472	F	REDDY,DAMODHARA	293	507546	F	BAHETI,MANASI R,DR
182	507394	F	RAGUPATHY,VISWAPRIYAN	238	507473	F	A R,SAI KIRAN	294	507547	F	NAYAKA,RAJA JITENDRA,DR
183	507395	F	RAGHA,DEEPTI LAXMAN	239	507474	F	KAUR,RUPINDER	295	507548	F	N J,KRISHNA KUMAR,DR
184	507396	F	SINGAL,GAURAV,DR	240	507475	F	SARKAR,DHRUBASISH,DR	296	507549	F	DEVARAKONDA VENKATARAMANA,DR
185	507397	F	TOMAR,ABHINAV,DR	241	507476	F	KOLLA,VISWA BHARATH	297	507550	F	KALAM,KIRAN KUMAR REDDY
186	507398	F	SUNDAN,TARUN	242	507477	F	CHITTAMUR,NARESH	298	507551	F	VENGANTI,VIJAYAKUMAR
187	507399	F	RAJA,MANJULA,DR	243	507478	F	K PILLAI,ANOOP SARASWATHY AMMA	299	507552	F	PUTHENPURACKAL,MAHESH G
188	507400	F	SINGH,RANDEEP	244	507479	F	PASUPULETI,VINIL	300	507553	F	GHUGE,PRITI K
189	507401	F	PALANIVELU,KRISHNAVENI	245	507480	F	THANIKAISVELVAN,V,DR	301	507554	F	TRIBHUVAN,PADMAPANI R,DR
190	507402	F	G,SHANMUGAVEL	246	507481	F	M,SANKAR,DR	302	507555	F	PINGLE,SUVARNA DIGAMBARRAO
191	507403	F	SRIVATSAVAI,SITARAM	247	507482	F	S,OUDAYA COUMAR,DR	303	507556	F	SHILWANT,DAYANAND S
192	507404	F	BODDUCHERLA,KARTHIK	248	507483	F	L,BALAJI,DR	304	507557	F	NIKALJE,ANITA V,DR
193	507405	F	CHOWDHURY,TANAY	249	507484	F	N,HERALD ANANTHA RUFUS,DR	305	507558	F	ARUN,M R,DR
194	507406	F	METTUPATTI S,ABINAYA	250	507485	F	B,SATHYASRI,DR	306	507559	F	SHARMA,DEEPAK,DR
195	507407	F	BASAK,SUMAN	251	507486	F	VENKATESH,KOUSHICK,DR	307	507560	F	MAHADASU,SIVA SUDHEER
196	507408	F	S,GAYATHRI	252	507487	F	JOTHI J,NIRMAL,DR	308	507631	F	DEVARAJ,CHANDRASEKAR
197	507409	F	TADPATRI,RAGHAVENDAR RAO	253	507488	F	D,DAVID NEELS PONKUMAR,DR	309	507632	F	DURDI,VINOD B,DR
198	507410	F	SHRIVASTAVA,SHUBHANJALI	254	507489	F	P,SIVAPRAKASH,DR	310	507633	F	SACHDEVA,SUMIT
199	507411	F	G,VIGNESHWARAN	255	507490	F	M,SAHAYA SHEELA,DR	311	507634	F	KHAN,MAHMOOD AHMED
200	507412	F	R,VISWANATHAN	256	507491	F	S,VINSON JOSHUA,DR	312	507635	F	TAYADE,YOGESH RAMESHWAR
201	507413	F	R,VASANTH	257	507492	F	A,MUTHARASAN,DR	313	507636	F	JADHAV,KAKASAHEB S
202	507414	F	NARAYANAN,SIVARAMA KRISHNAN	258	507493	F	CA,ARUN,DR	314	507637	F	ABHANG,SANDEEP P,DR
203	507420	F	DANI,ADITYA	259	507494	F	T,KANIMOZHI,DR	315	507638	F	KHIDSE,SWATI V,DR
204	507421	F	PATLOLLA,MOHITH REDDY	260	507495	F	S,FAMILA,DR	316	507639	F	SATHYA,PRAVEEN D
205	507422	F	KHANIYA,MUKESH KUMAR	261	507496	F	R,NANMARAN,DR	317	507640	F	KHARAT,KAILASH D,DR
206	507423	F	HEGDE,PRAVEEN	262	507497	F	S,IMRAN JAVEED,DR	318	507641	F	VYAS,GAJENDRA S
207	507424	F	SUBRAMANYAM,SURESH PAIRU	263	507498	F	A,FARITHKhan,DR	319	507642	F	SARDAR,ARVIND S
208	507425	F	RALLABANDI,BHASKARA RAJU	264	507499	F	STANLEY BERAKHAH F,DR	320	507643	F	SONAWANE,ASHISH R
209	507426	F	SINGLA,SUNIL KUMAR,DR	265	507500	F	D,MUTHUKUMARAN,DR	321	507644	F	SAHANI,GURUCHARANSINGH J,DR
210	507427	F	PATTANAIK,SWAPNALINI,DR	266	507501	F	DEVA SHAHILA,D FERLIN,DR	322	507645	F	PATEL,NATASHA Z
211	507428	F	VARADALA,SRIDHAR,DR	267	507502	F	M,MANIMARA BOOPATHY,DR	323	507646	F	BHOSALE,YOGESH H,DR
212	507429	F	GURU,DHIVYA	268	507503	F	V,SENTHIL MURUGAN	324	507647	F	BUTWANI,AJAY J
213	507430	F	CHOUDHARY,KHILAWAN,DR	269	507504	F	DEVARAJAN,HARIPRIYA,DR	325	507648	F	KADAM,ASHISH G
214	507431	F	KAUSHIK,SANCHEE	270	507505	F	TELUKUTLA,NARESH	326	507649	F	JADHAV,RAJKIRAN N

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S.N.	Mem	Cat	Name	S.N.	Mem	Cat	Name	S.N.	Mem	Cat	Name
327	507650	F	SHAHANE,VIKAS N	382	508019	F	GULERIA,ASHWANI	437	507529	M	K E,PURUSHOTHAMAN,DR
328	507651	F	NIKAM,NITESH N	383	508020	F	KHAN,MOHAMMED AFZAL	438	507530	M	T,AATHMANESAN,DR
329	507652	F	MUDIRAJ,ABHAY N	384	508021	F	KARRI,SOWJANYA	439	507531	M	CHANDU,HIRANBAYE
330	507653	F	AUSH,MITHUN G,DR	385	508023	F	KALRA,YOGITA	440	507561	M	CHAVAN,KIRAN PANDIT
331	507654	F	PAWAR,PRASHANT BHARATRAO	386	508024	F	JAIN,ANKUR	441	507562	M	GADHE,UDAY SUDHAKAR
332	507655	F	GAIKWAD,ABHIJIT G	387	508025	F	N,GANESH BABU	442	507563	M	CHECHARE,SUJATA ASHOK
333	507656	F	NAGRE,VISHNU L	388	508026	F	A S,MYTHILI	443	507564	M	NAZIYA KHANAM
334	507657	F	JADHAV,SATISH H	389	508027	F	SHARMA,UJJWAL DATT	444	507565	M	PAWAR,NITIN DAGADU
335	507658	F	DARP,DINESH D	390	508028	F	KUMAR,ANURAG	445	507566	M	THORAT,MANGESH R
336	507659	F	THOMBRE,PREETI G,DR	391	508029	F	SINGH,L SURAJKUMAR	446	507567	M	WELANJKAR,SONAM VIJAY
337	507660	F	PAWAR,BHARAT R	392	508030	F	ADHIKARI,SHUMA	447	507568	M	TATHE,SWAPNIL GAJANAN,DR
338	507661	F	BHOSALE,VITHAL K	393	508031	F	PENDYALA,SRIHARI KUMAR	448	507569	M	GAVANDE,SAVITA DURGADAS
339	507662	F	DHENGALE,GANESH NAMDEO	394	508033	F	SHIMRAY,BENJAMIN,DR	449	507570	M	SHINDE,VAISHALI SUBHASHRAO
340	507663	F	GADKAR,SANDEEP R	395	508034	F	S,ASHOK KUMAR	450	507571	M	PRITI UDDHAV BHAGAT
341	507664	F	NIMBALKAR,JAISINH K	396	508035	F	KUMAR,RAJENDER	451	507572	M	GHULE,KISHORI R
342	507665	F	WANKHEDE,PRAVIN R,DR	397	508038	F	KUMAR,NEERAJ	452	507573	M	PATWARDHAN,SNEHAL S
343	507666	F	KHAKE,AJAY V	398	508039	F	JAIN,VISHAL	453	507574	M	K,NAVANEEDHAN
344	507667	F	SHEP,TUKARAM D,DR	399	508040	F	KRISHNASWAMY,DILIP	454	507692	M	PANCHBHAI,SAILEE N
345	507668	F	KATHAR,PANDURANG N	400	508042	F	KUNDURU,GOWTHAM REDDY	455	507693	M	KADAM,KOMAL ASHISH
346	507669	F	SHINDE,JITESH R,DR	401	508043	F	B R,NAGEDRA,DR	456	507694	M	MOIN,SANTOSH VINAYAK
347	507670	F	MOHIJE,TUSHAR A	402	508044	F	JOSHI,JATIN	457	507695	M	SAPATE,NIKHIL MAHESH
348	507671	F	SATPUTE,ARUN P	403	508045	F	KISHOR,JUGUL,DR	458	507696	M	UMATE,PANKAJ SAHEBRAO
349	507672	F	THORWE,SANTOSH U	404	508046	F	MALHOTRA,SHIVANI,DR	459	507697	M	JADHAV,MAYUR K
350	507673	F	MILKE,SANKET R	405	508047	F	DAS,ASHOK KUMAR,DR	460	507698	M	SALPE,AJINKYA D
351	507674	F	GADHE,DHAMMADEEP L	406	508048	F	TIWARI,AKHILESH,DR	461	507699	M	CHANDANKAR,SATYAM S
352	507675	F	NERKAR,BHAVANA B,DR	407	508049	F	KODI,DIVYA	462	507700	M	KALE,SACHIN VASANT
353	507676	F	KARPE,SURAJ R,DR	408	508050	F	RAO,BANAVATHU BHASKARA	463	507701	M	JOGDAND,VISHAKHA V
354	507677	F	VELUCHAMY,PRITHVI RAJ	409	508051	F	GOPAL,RAM,DR	464	507702	M	KADLI,AMRUTA M
355	507678	F	GEORGE,MANJU	410	508052	F	BITLA,NARENDER REDDY	465	507703	M	PALASKAR,AMRITA R
356	507679	F	NARESHKUMAR SOUNDARAJAN	411	508053	F	YALAMANDALA,VENKATA DURGA PRASAD	466	507704	M	DHUMAL,SANJAY B
357	507680	F	SRIVASTAVA,SAURABH	412	508054	F	GUPTA,SANJEEV	467	507705	M	DANDGE,KOMAL B
358	507681	F	SIVAKKUMAR DHANASEKAR	413	508057	F	SINGH,ABHIJEET	468	507706	M	PATIL,GANESH GOPAL
359	507682	F	CHAVAN,BALU	414	508058	F	PASUPULETI,NAGA SURYA	469	507707	M	BHALEKAR,GAURAV R
360	507683	F	AMARAN, ARUNKUMAR	415	508059	F	MISHRA,SANJEEV KUMAR	470	507708	M	CHUDIWAL,ROHIT MAHAVIR
361	507684	F	VENKATASUBBA, GOPALAKRISHNAN	416	508061	F	KOLA,SRINIVAS	471	507709	M	AMBHORE,HEMANT G
362	507685	F	MADERAMITLA, PRASAD	417	507385	M	KONAKALLA,MANIKARTHIK	472	507710	M	LAKADE,YOGITA P
363	507686	F	BHAGILE,VAISHALI D, DR	418	507415	M	KUMAR,R ANIL,DR	473	507711	M	TATHE,MANISHA S
364	507687	F	MAHAJAN, DEEPALI A, DR	419	507444	M	DHARMAVARAPU,ROHINI	474	507712	M	MANTE,ADITI H
365	507688	F	JOSHI,RAJASHRI A,DR	420	507445	M	DARSI,LAKSHMI	475	507713	M	BAKAL,SHITAL R
366	507689	F	SINGH,ARUN KUMAR	421	507464	M	NALAWADE,MANISH A	476	507714	M	DESHMUKH,DEVASHREE S
367	507690	F	CHAKRABARTI,SATYAJIT,DR	422	507465	M	THAKRE,NILESH R	477	507715	M	MALLELA,DEEPTHI
368	508001	F	GUPTA,SANDEEP,DR	423	507466	M	PATIL,SAMADHAN T	478	507716	M	MAGARE,SWATI B
369	508002	F	VERMA,ROHIT KUMAR	424	507516	M	PAL,DEBASHISH,DR	479	507717	M	PAWAR,YUVRAJ D
370	508003	F	SANEPALLI,UTTAMA REDDY	425	507517	M	MATHIAS,AJISHA,DR	480	507718	M	GOSKULA,TIRUPATI
371	508005	F	KUMAR,UTTAM	426	507518	M	JADHAV,VIKAS SHIVAJI	481	508004	M	ANOOP
372	508007	F	THOMAS,TOM	427	507519	M	JADHAV,KISHOR P,DR	482	508009	M	GUPTA,SANGEETA
373	508010	F	SELVARAJ,M D,DR	428	507520	M	TUPE,VIKAS S	483	508055	M	SRIVASTAVA,JASPREET
374	508011	F	BHOSLE,ROHAN	429	507521	M	KADAM,NEETA R	484	G00701	ORG	INSTITUTE OF TECHNOLOGY & MANAGEMENT (ITM), MANKAPUR, UP
375	508012	F	TENDULKAR,ANIKET	430	507522	M	SHIRUR,RAJASHREE	485	G00702	ORG	M S RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BANGALORE
376	508013	F	RAHUL,NIVEDITA	431	507523	M	A,ROSI,DR	486	G00703	ORG	INSTITUTE OF ENGINEERING & TECHNOLOGY, DEVI AHILAYA VISHVAVIDYALAYA, BHOPAL, MP
377	508014	F	SIRANGI,VENKATA APPAJI	432	507524	M	M,PRABHA,DR	487	I00700	ORG	MEL SYSTEMS AND SERVICES LIMITED, CHENNAI
378	508015	F	DEDU,PREETAM	433	507525	M	VAISHNAVI,T,DR				
379	508016	F	DATHATHRI,AVINASH	434	507526	M	A,ASHWINI,DR				
380	508017	F	KODIGANTI,KRISHNA MURTHY	435	507527	M	S,MURUGESWARI,DR				
381	508018	F	KUMAR,PRIYA RANJAN	436	507528	M	G,UGANYA,DR				

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