



IETE NEWS LETTER

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From President's Desk



Dear Members,

Welcome to the second issue of the 2022 Newsletter, which aims to keep members informed about our centres, sub-centres, and ISFs' mind-boggling technical activities. All the stakeholders' passion to progress the country's primary professional body makes it even more significant.

Every year in September, there is a change at the helm of the organization, whether it be new Governing Council members, new Centre Chair, or even a new President. I extend a warm welcome to all new members and incoming President Dr V Gunasekhar Reddy, DIG of Police (Retd).

September also coincides with the start of our signature event. It gives me great pleasure to report that preparations are well underway for this year's Annual Technical Convention, which will be held in September 2022, giving us the chance to hear specialists discuss the most recent ICT innovations that are paving the way for academic and industrial advancement. I am also sure that such face-to-face interactions enhance the development of notions and ideas. Unseen seeds of additional value to the profession are generated, which contribute to the establishment of an ecosystem for the knowledge economy. This is a significant contribution to India's attempts to become one of the world's major techno-commercial powers, which are currently being hampered by an unanticipated war and the introduction of Covid-variants.

New IETE Student Fora are sprouting throughout broad areas of the country, reflecting the youth's burning desire to realize their dreams and discover new ones through applications that their elder counterparts never imagined were conceivable. In fact, the activities and discussions during such meetings are so engrossing that even the responses of guest speakers to engineering students' questions are fascinating. This initiative enhances students' classroom understanding and equips them to confidently handle future problems. New technologies such as block chain, artificial intelligence, and fifth generation wireless internet are knocking on our door, and ISFs are undertaking a range of such programmes, activities, and workshops, which can be viewed under ISF Activities in the issue. I further appreciate the Centers under whose jurisdiction these ISFs are establishing and receiving full assistance.

I am happy to share with you that our publications are inundated with submissions from authors not only from India, but also from professionals from the Middle East and Africa, in addition to those from China. We are noticing a rise in submissions that is unprecedented. So, IETE is thinking about putting all of its attention on high-quality publications and expanding its Editorial board to speed up the peer-reviewing process, each of which we think have room for improvement. Also, there is a demand for IETE Journals to publish Supplement issues that talk about new and important developments in the ICT field.

It's safe to say that IETE wouldn't be where it is now without the wisdom of our founders and the dedication of our members, who steer the organization in the correct path and help it grow through connections in the professional community. I appreciate everyone who has helped IETE thrive, from the Governing Council to the Centre Chairs to the ExeCom. Your input, like all of them, is important.

There is still a long way to go for IETE, but I am certain that together we will lay the foundation for its long-term success in the days ahead.

Jai Hind!

Prof (Wg Cdr) P Prabhakar,
Veteran

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IETE HQs, New Delhi



IETE President Elect 2022-23



Prof (Dr) V Gunasekhar Reddy (F-122825), a Professor at the Mahaveer Institute of Science & Technology in Hyderabad and a former Deputy Inspector General of Police for the state of Andhra Pradesh, with 18 years of police service, has been elected President of IETE for the 2022-23 term. He will assume his position at the Annual IETE Convention to be held in late Sept 2022.

He has over 43 years of experience in information technology and telecommunications; 35 years of service to IETE in various positions; elected to Governing Council for three terms from 2011 to 2014, 2015 to 2018, and 2019 to 2022. He was Consultant for Tirumala Tirupati Devasthanams, Tirupati for secure communications. In addition to telecom marketing, project management, and maintenance support, he worked as a consultant in the critical subject of Secure Communications for national and multinational organizations. He has great deal of experience working for the United Nations Police (Kosovo), Grey Hounds, an anti-extremist group, as an Superintendent of Police and in key roles at Bharat Electronics Ltd, Uptron India Ltd, and Videsh Sanchar Nigam Ltd.

Prof Reddy served as Executive Committee Member, Treasurer, and Chairman at the Hyderabad Centre and was influential in its three-time receipt of the Best Centre Award. He also served as Chairman, co-chairman, and member for the various IETE committees, viz., Membership, Publicity, Awards, Publication, Board of Research and Innovations, Student Affairs, Technical Programmes, Skill Development, Industrial Coordination, Academic Committee, Centre Affairs Committee, Bye Law Amendments, and Staff Service Rules. Also contributed to the founding of the Tirupati and Warangal Centres. Published about 50 papers in national and international journals. Attended forty national and international conferences and workshops. He is a member of the following professional organizations: SMIEEE, MISTE, MISI, MISCA, BESI, PRCI, IIPA, CSI and IAENG.

Efficiently fostered cordial relationships and teamwork among Council Members and Centre Chairpersons. Prof Reddy advocates strengthening Centres in order to meet IETE's goals and objectives and to foster professional ethics and development.

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

Newly Elected Distinguished Fellow of the Institution



Brigadier Vijay Kumar Panday (Retd), an IETE Fellow member since 2007, has been elected as an **IETE Distinguished Fellow Member (DF099223)** in 2021-22. IETE extends its congratulations.

Brig V K Panday possess a wealth of experience in academics, technical administration, and IETE- related affairs. Recently retired as Chief Operations Officer of "The Inclen Trust International," which does medical implementation research and GIS mapping (health) in Indian communities. Previously, he was the Director of two engineering colleges in Kurukshetra and the College of Engineering at TMU in Moradabad. After more than 36 years of distinguished service in the Army, he retired as a brigadier in 2006 and was granted the Chief of Army Staff Commendation.

He was twice elected as a member of IETE's Governing Council, where he served as chairman of the Membership and Centres Committee, Board of Examinations, PARGC, and Skill Development Committee.

He holds a master's degree in optoelectronics from Queen's University Belfast and IIT Delhi, as well as an advanced diploma in radar technology, a diploma in automated data processing, and bachelor's degrees in electronics and mechanical engineering. He qualified Independent Director's course from SPJIMR, Mumbai and Creative Decisions Making from IIM, Kozhikode, presented papers on future technologies in armed forces. An instructional manual authored by him is followed by Directorate of Standardization, Ministry of Defence.

As Secretary General for IETE, he was instrumental in automating exam procedures, membership procedures, and the online publishing of IETE Journals. Enrollment levels reached an all-time high. Pursued the signing of a Memorandum of Understanding with Airtel, resulting in the employment of our students, the strengthening of their skills, besides substantial revenue generation for Centres.

The IETE is pleased to have another outstanding Distinguished Fellow join the list.

News from IETE Headquarters

53rd Mid-Term Symposium of IETE on "5G & Beyond: Technologies and Applications."

The **53rd Mid-term Symposium of IETE** this year was held in Kathmandu from April 30 to May 1, 2022. The theme was "**5G & Beyond: Technologies and Applications.**" The event was put on by IETE HQ and hosted by IETE Kathmandu Centre and supported by Nepal Telecommunications Authority (NTA).

The Symposium was inaugurated by the **Chief Guest, Dr Baikuntha Aryal**, Secretary of the Ministry of Communications and Information Technology (MoCIT) of the Government of Nepal. The event was also graced

by **Shri Purshottam Khanal**, Chairman of the Nepal Telecommunications Authority (NTA), and **Shri Sunil Paudel**, Managing Director of Nepal Telecom, as Guest of Honour and Special Guest, respectively.

In his opening remarks, MoCIT Secretary Dr Baikuntha Aryal stated that the symposium will help Nepalese and Indian engineers and telecom experts gain a deeper grasp of the latest trends in 5G and beyond technology and applications. Shri Purshottam Khanal, Chairman of the NTA, extended his best wishes for the success of the Symposium in Kathmandu and expressed

his pleasure at having the opportunity to support the program. Additionally, the Managing Director of Nepal Telecom Shri Paudel sent his best wishes for the program's success.

Prof P Prabhakar, President IETE, addressed the opening session and highlighted the organization's activities in India and Nepal. He clarified several means by which two neighboring nations, as well as professionals and academics, might collaborate to the advantage of the entire ICT society and nations.

IETE Kathmandu Centre Chairman **Shri Keshava Raj Gnawali** welcome all dignitaries from Ministry, NTA, Nepal Telecom, service-providers, media-persons of Nepal and delegates from IETE and their spouses who arrived to attend the program in Nepal. The inaugural session was also addressed by IETE North Zonal Mentor **Shri Ajay Kumar** & TPPC co-chair **Prof Dr AP Thakare**.

IETE Kathmandu Centre Chairman **Shri Keshava Raj Gnawali** extended a warm welcome to all of the dignitaries who had traveled to Nepal to attend the program being held in the country. These dignitaries came from the Ministry, NTA, Nepal Telecom, service providers, media persons of Nepal, and delegates from IETE, along with their spouses. IETE North Zonal Mentor **Shri Ajay Kumar** and TPPC co-chair **Prof (Dr) AP Thakare** both gave addresses during the opening session of the conference.

The Technical Programmes & Publicity Chair **Prof Dr MH Kori** delivered the keynote talk on **Vikram Sarabhai Memorial Lecture** on the theme '**5G & Beyond: Technologies and Applications**'. He delved on various aspects of development of this emerging technology. He elucidated various ways through which the countries like Nepal and India can get benefits from wireless technologies for providing freedom to the people and institutions from various physical and non-physical barriers.

After the Inaugural program, invited talks were delivered by Manager of Nepal Telecom **Dr Bimal Acharya** on the topic 5G and beyond Technologies and Applications: Network Architecture, Infrastructural Set-ups and resource (financial and technical) requirements. In the row, the Deputy Director of NTA **Dr Pradip Paudyal** delivered his expert talk on 5G Technologies and beyond Applications, covering spectrum management, regulation initiatives, and practices. In their talks both experts deliberated on the experience from Nepal and other countries on the subject. The program was conducted by Deputy Director of Nepal Telecommunications Authority **Ms Roja Kiran Basukala**.

After the invited talks, a panel discussion was held on the subject '**5G for Social & Economic Development of Nation**'. The discussion session was moderated by Chairman of the IETE Kathmandu Centre **Shri Keshava Raj Gnawali**. The discussion session was conducted on hybrid mode, wherein the panelists were TPPC Chair **Dr MH Kori**, **Dr Bimal Acharya**, **Dr**

Pradip Paudel, and **Shri Sudhir Warier** from Reliance Jio Infocom. In the session panelists expressed their distinguished ideas and concern over application of technology for benefit of the people and nation.

Three technical papers were presented after the first day's speeches from distinguished personalities. Secretary General, **Gp Capt Sonpal Singh** proposed vote of thanks.

On the second day, a total of eight papers were delivered, including three via virtual media and five via physical mode. First, **Shri Govind Singh Dhami**, Vice-Chair of IETE Kathmandu and Deputy Manager of Nepal Telecom, presented his paper entitled "**5G & Beyond Technologies and Applications: Telecom Infrastructure and Practices in Nepal.**" **Associate Prof Dr Baburam Dawadi**, from the Institute of Engineering at Tribhuvan University presented his paper on **5G Technologies and Beyond Applications: Software-Defined Radio and Its Significance**. **Dr Ananda Gachhadar**, Asst Prof at Kathmandu University, presented his paper entitled "**Analysis of Interference cancellation technique in multi-tier heterogeneous networks in 5G**" in the row. The talks were followed by an invited paper on online mode by **Shri Vimal Wakhlu**, Former MD, TCIL - **5G Applications & Implementations**. Another paper presented online was by **Dr Satish Kanugovi**, Nokia Bell Labs, on **5G & Beyond Technologies and Application in research lab and in applied fields**. Both the presentations and the technical lectures were quite enlightening and received positive feedback. The sessions were followed by lunch.

IETE Lal C Verman Memorial Lecture Session featured the presentation of two important papers. The first paper was presented by the Past Chairman of IETE and former Board member of NTA, **Shri Mahesh Prasad Adhikari**, on the topic of '**5G & Beyond Technologies and Applications: 5G Calling in Nepalese perspectives.**' The second paper was presented online by the **Lal C Verman Award Winner, Dr Raj Kumar**, Senior Scientist at CSIO-CSIR, India. Both papers were of high quality, demonstrating how the 5G& beyond technology and applications in the context of Nepal and India may contribute to the economic growth of both countries.

The last session was a panel discussion titled "**IETE Roadmap and International Expansions.**" The panel discussion was moderated by TPPC chair **Dr MH Kori**, and distinguished personalities including IETE President **Prof P Prabhakar**, **Prof Timila Yami Thapa**, **Shri Mahesh P Adhikari**, **Prof Dr KTV Reddy**, **Prof Dr AP Thakre**, and **Shri Ajay Kumar**, and other panelists and audience members shared their opinions on the topic. During the programme, IETE President Prof P Prabhakar honoured **Shri Suresh Kumar Pudasaini**, the founding chairman of the IETE Kathmandu Centre, who also addressed the audience. The programme included the distribution of mementos to the paper presenters and presents to the dignitaries.



WT&ISD- 2022 commemorated at IETE HQs on “Digital Technologies for Older Persons and Healthy Ageing”

IETE headquarters hosted **World Telecommunications and Information Society Day** on 17th May 2022. It is a day set aside to raise awareness about the use of the internet and other information and communication technologies (ICT) in society, as well as to bridge the digital divide. The dignitaries on the dais included the chief guest, **Shri Amrit Lal Manwani**, MD, Sahasra Electronics Pvt Ltd, Noida; **Prof (Wg Cdr) P Prabhakar**, President IETE; **Dr M H Kori**, Chairman, TPPC; and **Gp Capt Sonpal Singh**, Veteran, Secretary General IETE.

In his introductory remarks, **Dr M H Kori**, Chairman of the TPPC, emphasised that technology presented opportunities to offer new dimensions for the care of the elderly, while developments in medicine made it possible to achieve the aim of healthy ageing, resulting in a longer life expectancy. Along with other vulnerable populations, older individuals have borne the brunt of the COVID-19 pandemic. Digital technologies have become a lifeline for them.

In the video message of **Mr Houlin Zhao**, Secretary General of the ITU, it was highlighted that he was raising concerns regarding social disparity, given that 3 billion people are still unconnected. ITU has created a number of publications, toolkits, and training courses with the specific purpose of facilitating digital adoption to promote healthy ageing. Recently, the ITU accepted a standard for accessible tele-health systems and services that was developed in collaboration with WHO. There was a need to deploy resources to help older folks feel comfortable online and to improve their digital abilities so they can use digital applications. He remarked, “Let us reiterate the need to break cycles of exclusion and encourage inclusive, sustainable digital development.”

In his address **Prof (Wg Cdr) P Prabhakar**, President of IETE, stressed that the world’s gradually expanding elder population has made significant contributions to the time’s social and economic achievements. However, as time passes and the world changes, they are faced with new and severe obstacles. Because digital technologies are so pervasive, they can help to bridge the digital gap and improve people’s lives. He used the example

of seamless data management to vaccinate the entire population. A doctor from Mohali created a digital platform to help the most vulnerable people, especially the elderly. It is a significant task for us engineers to establish an ecosystem of industry-start-up collaboration, for which IETE is the appropriate arena.

In his remarks, Chief Guest **Shri Amrit Lal Manwani** stated that hardware and software go hand in hand. Concentrating on just one component may cause us to become dependent on other countries. He mentioned that for today’s youth, manufacturing is not a chosen career path, which has major consequences. He emphasised the need of skill development, manufacturing in the country, and self-reliance. Building in house products, designing, and developing were all very significant for him. According to the speaker, just 1% of the potential of mobile phones/laptops is known to older people. Children, in fact, are more skilled at utilizing such gadgets and are more at ease installing Apps. They should also change the thinking of the elderly. Nonetheless, the present wave of digitization brings with it the potential of cyber fraud, making elderly people vulnerable to losing money in banks. Noting that older people are afflicted by ailments such as diabetes, heart attacks, high blood pressure, and cancer, he deviated from the technical front to give some advice for healthy ageing, such as exercising, walking, intermittent fasting, and avoiding non-veg and dairy items.

The senior Fellow members felicitated for their outstanding contributions to the profession included- **Prof Ravinder K Sinha**, Vice-Chancellor, Gautam Budh University, Greater Noida; **Prof Ajay Sharma**, Director, NIIT, New Delhi; **Dr R K Agarwal**, Director General, AK Garg Engineering College, Ghaziabad and **Dr Pankaj Kumar Dalela**, Dir, Board Member, C-DoT, New Delhi.

Gp Capt Sonpal Singh, Veteran, Secretary General of the IETE, delivered the vote of thanks. The event concluded with the reciting of the national song, followed by dinner.



Zonal Seminar (East Zone) on Next Generation Wireless held at IIT Guwahati

IETE Guwahati Centre organised a two-day Zonal Seminar (East Zone) on the theme **Next Generation Wireless** in collaboration with Indian Institute of Technology, Guwahati and SAMEER, Guwahati on 27th-28th May, 2022 at IIT Guwahati campus. The Inaugural session was graced by **Prof (Dr) TG Sitharam**, Director, IIT Guwahati, **Prof (Wg Cdr) P Prabhakar**, President, IETE, and **Dr T Tiwari**, Program Director, SAMEER, Guwahati. The welcome address was delivered by **Shri C Ojah**, Chairman Guwahati Centre. **Prof Ratnajit Bhattacharjee**, Head CCC & Head MFS DS & AI, IITG, delivered the keynote address. Presidential address was delivered by **Prof (Wg Cdr) P Prabhakar**. Chief Guest **Prof (Dr) T G Sitharam**, Dir, IITG, addressed the audience consisting of representatives from industry, academia, research scholars and students from IITG, IIITG, GU, AEC, GIMT, USTM etc and also from law enforcing agencies viz NDRF, Assam Police, Nagaland Police and Tripura Police. In his talk, he mentioned that in 1894, Guglielmo Marconi started working on a radio-based wireless telegraph. That marked the beginning of wireless communication, and the years that followed saw incredible advances in the sector. Now more than ever, it's simple to offer constant connectivity and everywhere-available high-quality services because to the fast-evolving wireless communication advancing technologies.

Talks were given by **Dr MH Kori**, Vice President & Chairman of TPPC, and **Shri Ajay Kumar**, IETE Zonal Mentor for the East. **Prof Dr TG Sitharam**, Director, IITG, released a souvenir before IETE Kolkata Newsletter was launched by the IETE President. The vote of thanks was proposed by the Hony Treasurer, **Shri A Narzari**.

The seminar was spread over four technical sessions, namely **Wireless Communications, Optical & Microwave Communication, IoT and Wireless Communication & Network Security in Wireless Communication**. Sixteen experts elucidated concepts on emerging topics as following: **Dr Salil Kashyap**, Asstt Professor, ECE Dept, IIT Guwahati, on 'Massive MIMO as an Enabler for 5G and beyond 5G wireless communications'; **Dr M H Kori**, Chairman, TPPC, IETE, on 'Technologies leading to beyond 5G & 6G'; **Gunajit Kalita**, CSE Dept, Assam Engineering College, on 'Emerging trends in communication and computing'; **Apurba Bikash Kalita**, Asstt Professor in ECE Dept,

Guwahati University, on 'A Comparative Study on Optimal Design of an OTA using GA, FPA and BA'; **Prof Sunandan Baruah**, Dean, Research and Innovation, Assam Down Town University, Director, Centre of Excellence in Nanotechnology, Director, Technology, Innovation, Transfer and Entrepreneurship Centre at Assam down town University & CEO, Globinno Engineering Solutions, Guwahati), on 'Nanotechnology in Optical Communication'; **Dr Mohd Mansoor Khan**, Asstt Prof, ECE Dept, IIIT, Guwahati, on 'Fiber-optics Communication System: General Overview and Improvised Aspects'; **Dr Tapeswar Tiwari**, Project Manager, sponsored projects by DRDO, ISRO & DST, on 'Research & development activities of SAMEER Centre for high power microwave tube and component technology'; **Dr S S Kakatkar**, Head, Atmospheric and Microwave Systems Divn, SAMEER, Mumbai, on 'The Design and development of Stratosphere Troposphere radar wind profiler'; **Prof Ratnajit Bhattacharjee**, Professor, ECE Dept, IIT Guwahati, on 'An overview of different wireless communication technologies used in IoT'; **Dr Krishan Kumar**, Asstt Professor, CSE Dept, NIT Srinagar Garhwal, on 'Fundamental Concept of the IoT'; **Dr Sudarshan Mukherjee**, Asstt Professor, Electronics & Electrical Engg Dept, IIT Guwahati, on 'Edge Computing in IoT Infrastructure: How



will it work with Massive MIMO?'; **Dr Rakesh Singh Kshetrimayum**, Professor, Electronics and Electrical Engg Dept, IIT Guwahati, on 'Performance metrics of MIMO antennas for MIMO wireless communications'; **Dr Bhairab Sarma**, Assoc Professor, CSE Dept, University of Science & Technology Meghalaya, on 'Advanced encryption standard: the fantasy of wireless network security'; **Dr Jyotsna Kumar Mandal**, Professor, CSE Dept University of Kalyani, on 'Software defined network and its security issues'; **Dr Ferdous Ahmed Barbhuiya**, Assoc Professor, CSE Dept, IIIT Guwahati, on 'Wireless Network: Attack and Countermeasures' and **Dr Kandarpa Kumar Sarma**, Professor & Head, ECE Dept, Gauhati University, on 'Cognitive attributes in wireless communications and role of software defined radio'.

The technical sessions at the seminar were very well received and provided a wealth of information. Through objective, in-depth discussions with speakers, specialists from throughout the country, these educational technical seminars mapped out the dynamic landscape of emerging technologies.

Experts interested in serving as honorary reviewers/editors are encouraged to send their academic details, highlighting areas of specialization, to sec_gen@iete.org for consideration by the Editorial Board of IETE Journal of Research.



Newly Elected Governing Council Members (2022-2025)



Prof. (Dr) Nilesh N Kasat (F-155667) is a Professor with 23 years of experience in the Dept. of Electronics & Telecommunication Engineering at Sipna College of Engineering & Technology, Amravati. He is a member of the governing body at the Sipna College, where he oversees many portfolios, such as NBA and NAAC. He earned a bachelor's degree in electronics and telecommunication from the Government College of Engineering in Amravati, a master's degree in digital electronics, and a doctorate in electronics and telecommunication engineering from the Sant Gadge Baba Amravati University in Amravati. In addition to a large number of papers in national and international journals, he has filed and published a number of patents/copyrights. Under the MODROB Scheme, he secured funding from the AICTE New Delhi. He is a member of the E&TC Engineering Board of Studies of Sant Gadge Baba Amravati University in Amravati and Member of Academic Audit Committee at Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur.

Prof. (Dr) Nilesh N Kasat was elected to the IETE council for the period of 2018 to 2021. During his term as Mentor, the West zone centres flourished and garnered numerous accolades and acclaim. He has worked with numerous IETE headquarters committees, including FPPC, TPPC, CCC, Academic, Membership, and BoRIS. In addition, he was a co-opted member of various IETE headquarters committees from 2011 to 2015. His continuous efforts, dedication, and integral commitment brought national prominence to the IETE Amravati centre by winning the Best Centre award twice. His areas of interest include microprocessors, microcontrollers, parallel computing, and embedded systems.



Dr. Jyoti Singhai (F-113870) is a well-known professor and researcher. Since 1994, she has been the Dean of Faculty Welfare and a Professor at MANIT, which is an Institution of National Importance. She has supervised 14 PhD scholars, 57 M.Tech projects and 27 UG major projects. She had 55 papers published in well-known international journals and 85 papers presented at national and international conferences. She also has two patents on the design of antennas for wireless networks. Her research was recognized by the MP Council of Science and Technology, Government of MP, which gave her the "Young Scientist Award" in 2002-03, the "Career Award for Young Teachers-08" by AICTE, the "BOYSCAST Fellowship" by DST for academic research in Loughborough University, UK in 2010, and the "IETE-SmtTriveni Devi Gupta Memorial Award" in 2018. She has also been chosen for the MHRD, GoI "LEAP-Leadership for Academician Program," which will send

her to TISS Mumbai in January 2020 and the University of Pennsylvania in December 2020 for training.

She is involved in academic work with a number of technical institutions in MP and helps them reach their academic goals. In addition to her academic work, she was sometimes given administrative jobs like Controller of Exams, Acting Registrar, Nodal Officer of IIIT Bhopal, Advisor to the Chairman, Warden of Girls Hostel, etc. She also encourages students at her institute to get involved in the community by doing different kinds of volunteer work. As a result, ISTE Student Chapter MANIT won the Best Chapter award for three years (2016–2018), and IEEE Student Chapter MANIT won Darel Chang's International Gold Award in 2019.



Air Vice Marshal PK Srivastava VSM (Retd) (F-500434) is an aeronautical engineer with over 46 years of having the unique distinction of working in all three segments of aerospace domain viz. Government - while in the IAF as Air Vice Marshal, public sector -while in BDL as

Director (Production) and private sector -while in L&T as Head of their Flight Systems Business Unit. He promoted, strategized and operationalized aerospace business through policy and structural initiatives for meeting national objectives of threshold technology accumulation and creation of vibrant aerospace eco-system, wherein, make-in-India and skill-India can take sustainable roots.

He has worked from tarmac level upwards to tactical and strategic levels via contributing as thought-leader and aviation expert through national task forces and articles published in journals. He is fully seized with the functioning and interplay of different ministries, departments, DPSUs & private sector which empowers him with 360-degree vision of aerospace domain.

He is an alumnus of IIT, Mumbai & Varanasi and FMS, Delhi University.



Shri Gurmukh Singh (F-223224) after graduating from the University of Delhi with a Bachelor of Science in Physics (Honors), worked at the National Physical Laboratory, New Delhi, conducting research on Ferrite and Piezoelectric materials for ultrasonic applications. His research was published in numerous national and international journals, and he presented presentations at numerous symposia/conferences. In recognition of his exceptional contributions to R&D, he was awarded the "NPL-1979 Award." In 1982, he joined the STQC Directorate, Dept. of Electronics, Government of India as Scientist-B after passing the Grad IETE Examination. He was responsible for the testing and calibration of electronic

components, devices, and subsystems. He was an innovator in establishing testing facilities for Medical Equipment and Audio products at the Electronics Regional Test Laboratory (North) in New Delhi. In addition, he oversaw the activities of the STQC Training Institute in Jaipur for five years and directed a number of short-term technical training programmes and Induction Courses. He specialised in Hand Soldering and led numerous in-house and off-site training programmes on Hand Soldering, Machine Soldering, and Zero-Defect Soldering of Electronic Components on single-layer PCBs. IIQM has awarded him the titles of “Certified Quality Engineer” and “Certified Internal Quality Auditor.” He was the Team Leader of the “Consulting Services Team” and the Trainer for the Implementation of Quality Management Systems in accordance with ISO-9001-2000 and ISO/IEC 17025 for Testing Laboratories. During the 2002 World Quality Congress, the Quality Institute of India in New Delhi presented him with the “Quality Culture Award” for his exceptional contribution in the area of Quality System Implementation. In 1996, ERTL (North) was granted the “Golden Peacock National Quality Award” by the Institute of Directors in New Delhi for its outstanding work in the management of the Laboratory’s Quality System.

After retiring from ERTL (North) as Director (Scientist ‘F’) due to superannuation in 2010, Shri Gurmukh Singh served as Deputy Managing Editor for IETE HQ until 2013. He implemented a number of changes to the running of the ‘Awards, Research, and Publications’ Division, including initiatives to increase the Impact Factor of IETE Journals. He is also a Life Fellow of the Ultrasonics Society of India in New Delhi and a member of ELCINA’s Quality Awards Applications Assessment Group.



Dr Sanjay M Gulhane (F155650) is the Principal of Pravara Rural Engineering College in Loni. He received his MTech (Telecomm Systems Engg) and PhD (E&ECE) degrees from IIT Kharagpur in 1997 and 2010, respectively. He has a total of 32 years of teaching experience, with around 12 years as a Professor and four years as a Principal. He holds one patent and has published over 50 papers in national/international journals/conference proceedings. Three PhD scholars have received their degrees, while three more are conducting research under his guidance. He has served as the Chairman of the Board of Studies, a member of the Faculty of Engineering and Technology, a member of the Research Recognition Committee, a member of the Board of Teaching and Research, a member of the Academic Council of SGB Amravati University, and a member of the BOS (Electronics Engg) of RCEM, Nagpur, and MITADT University Pune.

He has selflessly contributed to the growth of IETE by serving as a Member, Executive Member, and Vice-Chairman of the IETE Amravati Centre. He worked hard to establish the IETE Yavatmal Sub-Centre and served as Chairman from its foundation in 2013

to 2020. During his tenure, the Center got the Best Sub-center Award. He is the Chairman of the Pravara IETE PAC Centre in Ahmednagar.



Col Manoj Kumar Pande (Retd) (F-103171) has a Bachelor of Technology in Electronics and Telecom Engineering and a Master of Computer Management from Pune University. In 1978, he was commissioned into the Army - Corps of Signals. He has over 32 years of expertise in conceiving, planning, and implementing telecom projects in the Army, particularly in inhospitable terrain employing various wire line and wireless media, as well as the integration of the most recent technology and accompanying state-of-the-art equipment. During earthquakes in Bhuj, Gujrat, he participated in the provision of timely messages for disaster management (2001). He has extensive administrative and technical knowledge with numerous computer and telecom systems. He was involved in the training of mid and senior-level Army officers at the Military College of Telecommunication Engineering in Mhow and the Indian Army War College in Mhow. During Op-VIJAY in Jammu and Kashmir and Op-PARACRAM in Rajasthan (Jaisalmer Sector), he was actively involved in providing operational communications.

He has been a Fellow of the IETE for more than two decades and has associated in the activities of the Pune, Chandigarh, Jaipur, Jammu, Shimla, Bhopal, Mhow, Indore, and Guwahati Centres. In addition, he is a member of the Computer Society of India. He has served as Honorary Treasurer, Honorary Secretary, and Chairman of the IETE Noida Centre and as an ex-officio member of the IETE’s Governing Council. He is a Level 5 Yoga Instructor certified by the AYUSH Ministry/SDC. During the Covid-19 period, free online yoga sessions were offered with an emphasis on “Yoga in synergy with the medical sciences.” He aims to elevate IETEians physically, intellectually, emotionally, and spiritually for the benefit of IETE.



Prof (Col) S L Kapoor (F-119778), an alumnus of IIT Kanpur, served in the Indian Army for 32 years, gaining extensive experience in the planning, implementation, and deployment of strategic and tactical communication networks at the field and army headquarters level. While working with DRDO/Def PSUs and BIS, different Def IT Standards were set up. Since 2005, he has worked as a Professor at one of the most prestigious engineering colleges in Uttar Pradesh after retiring from the army in 2005. He is associated with IETE over the past 35 years. He has been the Member of the IETE Governing Council three times (from 2008 to 2010 as chairman of the Noida Centre; from 2012 to 2015 and from 2018 to 2021). He is committed to work for IETE’s cause.

CHAIRMEN OF CENTRES (2022-24) (EX-OFFICIO MEMBERS OF THE GOVERNING COUNCIL)



Dr C P Dwivedi (F-057387L), Chairman of the IETE Bangalore Centre, is also a graduate of the IETE. He has an AMIETE (ECE) degree, an MBA (Operation Management) degree, an MTech (VLSI Technology) degree, and a PhD (Engineering) in electronics and telecommunication Engineering. He has been employed as a Dy Chief Engineer (R&D) at ITI Ltd. (GoI Undertaking) in Bangalore. He is the recipient of India's prestigious award, the «Sharm Shri,» bestowed by the prime minister. The organization has presented him with multiple commendation letters and awards. He has actively participated in the production testing operation of numerous digital switches/exchanges, from conceptualization to integration. Dr Dwivedi has offered technical assistance for the Rack integration of CSN/ OCB 283 on the integration platform. Monitoring the repair and maintenance of ARCOUEST, MTCO, VARECH, MACHPRO, MIMPRO, and TLP, among others, used for testing various E-10B exchange cards. For several communication network projects, designed and implemented IP-MPLS protocols on core routers. He has extensive experience in both production and R&D. In addition, he has participated in the design and development of the Supervisory Control and Data Acquisition (SCADA) system for Indian Railway. Currently, he is working on the strengthening of Network Security utilizing 512-bit Keys for Secure Communication, the optimal implementation of the AES-512-bit algorithm, design, and evaluation, and the implementation of 1024-bit Symmetric Encryption for Real-Time Communication Systems. His contribution as project lead includes in-depth design analysis and architecture of the IRNSS-RS project for defense and strategic users; contribution as project leader. Digital Mobile Radio (DMR) Project for defense and MHA, Software Defined Radio (SDR) for Army, Air Force, and Navy, and High-capacity Radio Relay (HCRR) for the Indian air force. A number of his technical papers have been presented at conferences and seminars. He served as an EC member for IETE Mankapur Centre in the past. He also served as an EC member, honorary secretary, and vice chairman for Bangalore Centre. He is a Life Fellow of IETE, International Microelectronics and Packaging Society (IMAPS) India Member of IEEE. His commitment is to re-establish IETE in a technologically advanced framework. He intends to expand the scope of IETE's mission to encourage engineering education to include corporate trainings for working professionals in emerging technologies



Dr Pramod Kumar Singhal (F-068409) earned a Bachelor of Engineering in electronics engineering from Jiwaji University, Gwalior, India in 1987, a Master of Technology in microwave electronics from the University of Delhi in Delhi, India in 1989, and a Doctor of Philosophy in electronics engineering from Jiwaji University in 1997. Since 2004, he has held the position of professor in the Department of Electronics at Madhav Institute Technology & Science, Gwalior, India (A Government-Aided UGC Autonomous Institute). He has completed six two-year terms as the department head. Since 2017, he has served as the controller of examinations. Additionally, he served as academic dean for one term for two years. Several research projects financed by the Department of Science and Technology, Government of India, All India for Technical Education, New Delhi, University Grants Commission, New Delhi, and

M P Council of Science and Technology, Bhopal have been completed by him. He is the recipient of the AICTE Career Award. More than 150 research papers have been published, including articles in IEEE Transaction, international and national magazines, and international and national conferences. Under his supervision, ten students have earned their PhD, and a number of research scholars are pursuing their PhD.



Dr Amod Kumar (F-120497) Chairman IETE Chandigarh Centre, received his Bachelors in electrical and electronics engineering from Birla Institute of Technology and Science, Pilani (Rajasthan); Masters in electronics from Punjab University, Chandigarh; and a Doctor of Philosophy in biomedical signal processing from IIT Delhi. He worked as a research scientist for over 39 years at Central Scientific Instruments Organisation (CSIO), Chandigarh (a constituent laboratory of Council of Scientific and Industrial Research, New Delhi, India). During this time, he participated in the research and development of several instruments in the fields of Process Control, Environmental Monitoring, Biomedical Engineering, and Prosthetics. Ultrasonic Flowmeter, Ultrasonic Viscometer, Rheometer, Ultrasonic Imaging for robots, Turbidity meter, Stack Opacity Monitor, Myoelectric arm, and Depth of Anesthesia Monitoring are a few of his accomplished projects. He retired from his position as Chief Scientist in September 2018. Currently, he is Professor and Head of the Department of Electronics and Communication Engineering at the National Institute of Technical Teachers Training and Research in Chandigarh. He has published over eighty articles in reputable national and international journals. In 1987-1988, he worked at the Technical University of Berlin on a DAAD fellowship for one year. Digital Signal Processing, Image Processing, Natural Language Processing, and Soft Computing are his areas of interest.



Dr V Thulasi Bai (F-150445), Chairman IETE Chennai Centre, is a professor and HoD of Electronics and Communication Engineering at Chennai's KCG College of Technology. She obtained her bachelor's degree in electronics and communication engineering from ACCET, Karaikudi under Madurai Kamaraj University, Madurai in 1990, her master's in electronics and control from BITS, Pilani in 1997, and her doctorate from Satayabama University Chennai in 2009. She has 30 years of teaching & research experience. In 2008, she received the DST-Young Scientist Award and a Rs.18.32 Lac project grant for her PhD study on "Real-Time Remote Patient Monitoring and Alerting System." It was featured in Readers Digest (US Edition) Nov 2007 and Dec 2007 (Indian Edition) as one of "33 Great Ideas from around the World." Who's Who in The World 2009 and 2010 list Dr V Thulasi Bai. She worked on "REMEDI"-A Telemedicine project under Padma Shri Dr Ashok Jhunjhunwala, Professor at IITM and Member of the PM's Scientific Advisory Committee. In Sept 2016, she received the IETE-Technomedia Award for Young Women in Engineering in recognition of her more than 15 years of outstanding contributions to the fields of electronics and telecommunication, computer science, information technology engineering, and allied fields. She completed research entitled "Development of an Intelligent Diagnostic and

Therapeutic Model for Dyslexia” on the use of ICT for learning impairment, which was funded by the Indian Council for Medical Research for Rs.23 lakhs. She was granted the IEEE Award for Professional Achievement and promoted to Senior Member of IEEE, USA, very recently. She has worked on numerous financed projects sponsored by DST, ICMR, MNRE, TNSCST, and IEEE, and has earned funding totalling more than Rs. 3 crores for research and the organization of conferences and workshops. Published approximately sixty articles. Currently supervising 12 PhD students, of which four have finished their research under her supervision. Her professional interests include Telemedicine, mobile communication, broadband networks, and ITS. She is also a life Fellow/ Senior Member of numerous professional organizations, including IEEE, ISTE, IsfTeH, TSI (Telemedicine Society of India), and Broadcasting Society of India (BES).



Shri B B Rishi (F 211948) Chairman, IETE Delhi Centre is AMIETE pass out of 1978 & was elected Executive Committee Member of Delhi Centre since 2010-12. He was Vice Chairman, Hony Treasurer, Hony Secretary and Chairman IETE Delhi Centre since 2010-12. He is also elected 2nd time Chairman of Delhi Centre for the period 2022-24. During his tenure, Delhi Centre was able to set up 3 computer labs of 212 systems, provide lift covering all 3 floors, installation of rooftop solar panel of 40 KVA and a 125 KVA generator for the stand-by supply. Shri Rishi has also conducted seminars/workshops for the awareness of computer digitization, computer awareness for the girl child.



Prof Nuli Namassivaya (F-092982), an academician with over three decades of expertise in electronics, communication, computer, and electrical disciplines. He earned a Bachelor of Engineering in electronics and communication engineering from Gulbarga University in 1989 and a Master of Technology in automation and control systems from JNTU, Hyderabad in 1994 as the University's topper student. In 1990, he also earned a postgraduate diploma in computer science from the Andhra Pradesh Productivity Council in Hyderabad. In April 1989, he began his career as a maintenance engineer at Sonar Caps & Lamps Pvt. Ltd. In August of 1989, he became a Lecturer at Vasavi College of Engineering, and he has been an Associate Professor at MVSR Engg. College since 1995. He was responsible for securing a 7.2 lakh grant from AICTE under MODROBS and establishing the PCB Fabrication Lab. He has 44 articles published in international & national journals & conferences, of which 6 have won Best Paper awards. He organized several workshops, short-term courses, seminars, and student technical festivals at the national level. He holds Senior Membership of the CSI and a Life Memberships of the ISTE, Instrumentation Society of India (ISOI), Institution of Engineers (I), Society of EMC Engineers, The Indian Science Congress (TISCA), and Broadcast Engineering Society (BES). He served as Council Member, IETE New Delhi, 2009-2012; Convener, STC committee, 2006-2008; Hony Secretary & Chairman, Programs Committee, IETE Hyderabad, 2008-2009; Treasurer, BES, Hyderabad, 2011-2012; MC Member, CSI, Hyderabad, 2006-2008; Secretary, ISOI, Hyderabad, 2007-2008. He received the Rashtriya Gaurav Award from the India International Friendship Society in New Delhi on 11 Mar 2005, and the Best Citizens of India Award in Jan 2006 in appreciation of his remarkable quality and outstanding accomplishment in his chosen field of activity. In July of 2016, his biographical note was included in Asia/Pacific Who's Who. He

is currently the Chairman of IETE Hyderabad and the Secretary of BES(I) Hyderabad.



Prof Joyanta Kumar Roy (F-230084) has been a company director, consulting engineer, developer, researcher, and educator in electronics and automation engineering since 1984. He obtained his Master of Science degree in physics in 1977 after graduating from the Department of Physics at the University of Calcutta in India. He began his career as an entrepreneur in 1984 when he formed System Advance Technologies Pvt. Ltd., a small manufacturing company specializing in turnkey execution of SCADA, automation, and industrial instrumentation system. In 2004, he earned a PhD (Technology) in applied physics from the University of Calcutta, India, and worked on a number of projects including control, automation, and instrumentation in a variety of engineering fields. After a lengthy career in industry, he began his academic career in 2005. As principal, dean, and professor, he served numerous educational institutions. His research team created inexpensive non-contact liquid level transmitters, temperature transmitters, pressure transmitters, vortex flow transmitters, mass flow meters, etc. He has contributed over 150 scientific and technical works, including books, book chapters, journal articles, conference papers, manuals, and industrial project engineering designs. He is a freelance Instrumentation and SCADA system expert who serves numerous ADB-assisted Industry 5.0-based 24x7 Smart water delivery schemes. He has been an invited speaker at a number of international and national conferences as a technical speaker. As a member of the Technical Program Committee (TPC) and as a program chair for numerous national and international events, he coordinated a large number of technical gatherings. He founded and serves as chairman of the Eureka Sciencetech Research Foundation. He is a senior member of IEEE and the Immediate Past chapter chair of IEEE Circuits & Systems, Region-10, India, Kolkata Section. He is also the Past Chairman and EC member of the IET (UK) Kolkata Network, a Fellow of IWWWA, and the Chairman and Fellow of the IETE, Kolkata Centre. He is the Editor of S2IS and a regular reviewer of scholarly works. His current research interests include smart measurement and control system development for water production and distribution, multifunction sensors, IoT-based m-health, technology-assisted living, smart homes, and smart cities.



Prof Smita A Lonkar (F-135722) Chairperson, IETE Mumbai Centre, associated with IETE for twenty years. She was Member of the IETE Mumbai EC committee from 2004 to 2006 and 2006 to 2008. Worked as Vice-chairman, Honorary Secretary, and Honorary Treasurer of the Centre from 2012 to 2014, 2014 to 2016, and 2020 to 22. Now she has been elected as Chairperson of the Mumbai Centre of IETE. In 2000, she earned her MTech in Communication Engineering from IIT, Mumbai and is enrolled in the PhD program at SNDT university, also in Mumbai. In addition to her 3.5 years of industry experience, she has 28 years of teaching experience. From 1995 until 2002, she was a lecturer at Shivaji Rao S Jondhale College of Engineering in Mumbai. From 2002 until 2011, he was appointed assistant professor and head of the Electronics and Telecommunications Engineering Department. Since then, she has held the position of associate professor and department head in the same institution. Her responsibilities include building an all-inclusive and integrated learning approach by emphasizing the quality of instruction and student learning. Since June 2012, working as the IT coordinator of SSJCOE, Dombivli for the University of

Mumbai's online-examination system, maintaining confidentiality and security. Since July 2017, she has been the IQAC coordinator for NAAC evaluation, a position that has provided her with valuable expertise. She has published thirty research papers at international conferences and three in international publications.



Col Bipin Chandra Pandey (Retd) (F-219641) is a Signals Officer from the 1977 batch. He retired from the Army as a Colonel in August 1999, after 22 years of service to the country. Col Pandey joined NIIT Software Service Business as Head of Projects Delivery for India, the Middle East, and Singapore after retiring from the Army. As the Practice Head following the 9/11 terrorist attacks on the World Trade Center, he built Business Continuity Infrastructure and Practice for NIIT and their global customers, a role he held until the end of 2003. He was then hired as the CEO of a Tier II IT firm and migrated to the United States in May 2004. He joined Access Group in 2007 as CEO of a subsidiary IT company and was appointed Executive Director and CEO of the Company's global operations in April 2010 in Mumbai. In March 2014, Col (Dr) Pandey left his corporate job to start his own Life Coaching practise. Over 150 top professionals have been effectively coached and mentored. Col Pandey has delivered papers at international and national seminars and conferences, several of which have won best paper awards, chaired conferences, panel discussions, published research publications, and organized seminars and conferences. He also directed research projects for MTech and MBA students. Dr Pandey is now working on an experiential book on project management as well as a book on happiness facilitation. During the COVID 19 lockdown, Col Pandey held over 40 popular Happiness Seminars for a global audience.

Col Pandey has a PhD in Strategic Human Resource Management, a PG Diploma in Human Resource Management, and an Advance Diploma in Management. Col Pandey is a postgraduate in computers and communications with a master's degree in electronics. He is a Wharton Business School Certified Business Analyst and a Certified Lean Implementer, as well as an NSE Certified Capital Market Analyst, a Certified Soft Skills trainer, and an ICT Strategic Project Management expert. He is a Platinum Life Member of Princeton Premier, a member of the Association of Institutional Research, the Business Continuity Institute of Canada, the Society of Human Resource Management, the European Institute of Advanced Studies and Management, and a participant in the Chief Learning Officer's Business Intelligence Board, among other institutions/associations. From 2020 to 2022, he served as the Honorary Secretary of IETE Noida Centre, and presently he is the Chairperson, IETE Noida Centre.



Professor (Dr) Virendra Virbhadra Shete (F-223428) is the Vice Principal of the MIT School of Engineering at the MIT ADT University in Pune. His area of research focuses on soft computing, signal processing, and communication engineering and has published approximately forty articles. He is also the chairman of the Pune section of the IEEE Education Society. He has 30 years of teaching experience at the UG, PG, and PhD levels, and is a highly driven professor with a good track record in education, teaching, and research. He is the Chairman of the Department of ECE's Board of Studies at MITADT University. He also serves on the Board of studies at numerous universities. Worked at MIT College of Engineering in Pune as Dean (Second Shift), Dean (PG), and Dean (Examination). In 2013, he got the 'Ideal Teacher' award from the MIT Group of Institutions.

News from IETE Centres /Sub- Centres

AHMEDABAD

- The former Centre Chairman **Shri DS Kushwah**, has taken the initiative to look into the feasibility of forming a Professional Activity Centre or Centre in Canada/the United States. The IETE headquarters has given him full responsibility over the matter. All members are required to contact persons they know who reside in Canada or the United States.
- The 4th **Takniki Chaupal** of the year 2022 was held online on 8th May, 2022, wherein following participated: **Prof HS Bhatia - Co-Chairman (BoESA), Shri RM Makwana, Shri VK Jain, Shri Madhukant Patel, Shri Ravi Saksena, Shri DK Agarwal, Shri Rasesh Dave, Shri Jagdishkumar Rathod & Shri J K.** Shri Madhukant Patel discussed nano-sensors, bio-sensors, and real-time sensing for medical diagnostics. Gas-sensing nanotechnology was elaborated. Prof HS Bhatia, council member IETE and Past Chairman IETE Bangalore Centre, suggested to Shri Madhukant to send a write-up for IETE Bengaluru Centre magazine, where interested students may take projects; A webinar can be arranged for everyone to involve more people with help from Shri MN Hoda and Dr MH Kori at national level. Shri VK Jain advised using IPR, corporate hospital doctors, lab personnel, pharmaceuticals, and DRDO for radiation testing. Madhukant Patel was also advised to test sensors at Pirana waste yard and SAC Bopal campus with AMC's support. Shri DK Agrawal addressed on farmers' water pumping problems. He proposed Madhukant Patel create a user-friendly, cost-effective device. Shri VK

Jain suggested to Prof HS Bhatia that a webinar/seminar be arranged for students, new start-ups, and consultancy services to discover PVT companies in Bengaluru interested in space and defense products/sector.

The 5th **Takniki Chaupal** of the year 2022 was held online on 5th June, 2022.

- IETE Ahmedabad centre supported the event of **WTISD - 2022** jointly celebrated by IEI, CSI & BAOU held on 17th May, 2022 at Dr Babasaheb Ambedkar Open University.
- **Smt Nagini Madhuranthakam**, Director IT, Vision India Ahmedabad, delivered theme lecture on **Digital Technologies for Older Persons and Healthy Ageing** at the World Telecommunication and Information Society Day celebrations held online on 20th May, 2022, jointly celebrated in association with IEI, CSI & BAOU.
- An expert talk on **"Satellite Navigation: Navigation through Indian Constellation"** was organized under the skill development expert session series of Gujarat Technological University, Graduate School of Engineering and Technology in association with IETE, Ahmedabad Centre on 30th April, 2022. **Shri Ghanshyam Doshi (Head, NAVIC Department, SAC, ISRO, and Ahmedabad) visited the institute and delivered his talk.**

ALIGARH

- **Prof Mohammad Altamush Siddiqui**, Dean, Faculty of Engineering & Technology, AMU, Aligarh was **Chief Guest** at 54th World

Telecommunication and Information Society Day, jointly organized by IETE Aligarh Centre and the Electrical Engineering Section (EES), University Polytechnic, AMU on 17th May 2022. On this occasion, seminar on “**Green Energy for Sustainable Development**” was held. **Mr Tehzeeb Ahmed Abbasi**, Assoc Professor, EES & Hony Treasurer, IETE Aligarh Centre, delivered the welcome address on behalf of the Principal University Polytechnic. **Mrs Sameera**, Assoc Prof of EES, delivered an overview of the seminar and introduced the resource individuals. She cited the IPCC report of the United Nations, which warns of a “red alert” due to global warming. The alert urges the transition from conventional to green energy in the energy industry. She urged the youth to serve as advocates for green energy and sustainable development. **Dr Abdus Samad**, Hony Secy of the IETE Aligarh Centre, provided an overview of WT&IS Day on the topic of “Digital Technologies for Older Persons and Healthy Aging.” He read messages from the President of IETE and the ITU’s Secretary General. As **Chief Guest**, **Prof Mohammad Altamush Siddiqui**, Dean, Faculty of Engineering & Technology, Aligarh Muslim University, presented the inaugural address. Prof Siddiqui emphasized the significance of green energy and sustainable development in his talk. For a sustainable future and to avert environmental disasters, he underlined the importance of green energy.

- **Prof Muzaffar Ahmad Siddiqi**, Chairman of IETE Aligarh, presented the presidential address. He discussed the significance of IETE in Aligarh and its close relationship with AMU. **Mrs Kausar Jahan**, HoD, EE Section at University Polytechnic, offered a vote of thanks at the conclusion of the event. **Prof Mohd Rihan** and **Dr Mohd Tariq** from the EE Dept, AMU gave their presentations during the technical sessions held after the opening session. The final session was the valedictory ceremony at which attendees were awarded certificates. The seminar’s organizing secretaries, **Mr Mohd Tariq Sami** and **Mr Umar Rehman**, Assistant Professors in the EE Section, led the closing session and played a crucial role in the program’s overall management.

AURANGABAD

- A five-day workshop on ‘**Exploring Python for Women Empowerment in Advanced Technologies**’, was organized during 23rd-27th May 2022, in collaboration with CS&IT Dept, Dr Babasaheb Ambedkar Marathwada University Chh. Shahu College of Engineering, Aurangabad. The event was graced by **Prof (Wg Cdr) P Prabhakar**, President, IETE as the Chief Guest. **Prof (Dr) Sachin N Deshmukh**, Head, Dept of CS&IT, Dr Babasaheb Ambedkar Marathwada University, Aurangabad, and **Prof (Dr) Ratnadeep R Deshmukh**, Governing Council Member were Guests of Honour. **Shri Sudhir Sambrey**, Chariman, Aurangabad Center was programme president with **Dr Ulhas Shinde**, Principal CSMSS, Vice Chairman, Aurangabad Center as a special guest. **Dr C Namrata Mahender**, Hon Secretary and **Dr Sunil Deshmukh**, Hony Treasurer were the programme organizers.



- The introductory remarks were presented by **Prof R R Deshmukh**. He gave a rundown of the Governing Council’s efforts on behalf of each Centres. He also highlighted President IETE’s initiatives to strengthen the organization on a national and international scale. The Aurangabad Centre’s ongoing lecture series was particularly well received. **Prof SN Deshmukh** identified quantum computing as a necessity for the future. **Prof P Prabhakar** provided an overview of the recent initiatives and operations of the IETE.

- The expert speakers during various session included- **Ms Kishori Pawar**, a Research Scholar at IIIT Hyderabad, who provided an overview of the Python programming language and its use in application development. **Dr C Namrata Mahender** elaborated on IDEs: standalone, cloud-based, and mobile. **Dr Ramesh Naik**, Assistant Professor, CSE Dept, Nirma University, Gujarat, clarified variable kinds, storage logic, and computing. **Ms Kishori Pawar** described the applications of operators and operands, its resultant on different data types, and interesting examples. **Shri Santosh Pandure**, a machine learning engineer at Magilhub Pvt Ltd, presented conditional statements using several illustrations. **Dr C Namrata Mahender** provided a demonstration of fundamental features such as file importation. **Dr Ramesh Naik** elaborated on conditional execution, lists, tuples, sets, and dictionary. **Shri Santosh Pandure** taught function and syntax usage and provided a few examples. Thereafter, the morning sessions were converted as programming assignments, where Dr C Namrata Mahender assisted by team members conducted the proceedings: Rohit S Gupta, Akshay Kshirsagar, Amol R Gaikawad, Madhav, Aarati, Datta & Gajanand Boywar. **Shri Santosh Pandure** taught about writing functions with online demonstrations. OOPs concepts were explained by **Dr Ramesh Naik**.

- Following dignitaries participated in the valedictory function: **Prof (Dr) Ashwini Kunte**, Zonal Mentor (W) & Chairperson (WEEC), **Dr Ulhas Shinde** and **Shri Sudhir Sambrey**. **Dr C Namrata Mahender**, Hony Secretary proposed vote of thanks.

BANGALORE

- The IETE Bangalore Centre observed **Republic Day** on 26th Jan 2022. its highlight was the cultural program performed by school children organized by Ms Prathibha. The Hony Secretary, Dr Shivaprasad Yadav, greeted guests. **Shri C Satyanandan**, Chairman of the Bangalore Centre, paid tribute to the Defence Forces in his presidential address. **Col RASoka IRSE (R)**, who has been associated with RV Educational Institutions for many years, presented an inspiring speech as the Republic Day Guest. He discussed, among other things, the concept of an integrated style of engineering education in which multiple disciplines could be combined. He also proposed coordinating the efforts of engineering professional societies. He stated that IETE might contribute to skill development and entrepreneurship. Senior IETE Bangalore members delivered brief Republic Day messages. **Dr MH Kori**, Vice President of IETE, praised the efforts of IETE Bangalore. He agreed with the Chief Guest regarding the necessity of integrating disciplines. Also speaking were **Shri G Ramesh**, **Prof C Murali**, **Shri RL Rao**, and **Prof H S Bhatia**. **Shri Ranjeet Kumar**, Hony Treasurer offered a vote of thanks.

- **IETE Students’ Day** was celebrated at the Centre on 5thFeb 2022. **Dr SA Pandit**(Retd) Additional Director, R&D, Atomic Energy Department, Senior Researcher, Divacha Centre for Climate Change, IISc, Bangalore, was the Chief Guest. He was introduced by **Shri R L**

Rao, Past Chairman IETE Bangalore. **Shri Satyanandan**, Chairman presided. **Dr Shivaprasad Yadav**, Hony Secretary welcomed attendees and **Shri CP Dwivedi**, Vice Chairman read out the message of President IETE. **Dr CV Ravishankar**, Vice Chairman introduced the program of Students' Day celebrations. **Dr S A Pandit** spoke on the theme "Matter and Energy".

- The **Summer School in Electronics and Computer** held its **valedictory ceremony** on 13th May 2022. **Sri. V K Mittal**, Senior Scientist from Bharat Electronics' Central Research Lab, was the Chief Guest.

- Between the 14th and 30th of May 2022, the **Institute of Chartered Accountant Examinations** were administered for final and intermediate level students. CA Exams were supervised by **Sri C Satyanandan**, **Dr C P Dwivedi**, **Dr S G Shivaprasad Yadav**, **Prof C Murali**, **Prof H S Bhatia**, and **Sri Ranjeet Kumar**. **Shri Dinesh**, the manager of the office, was the chief-invigator.

- IETE Bangalore and C-DoT will jointly develop a **two-day WiFi Basics training** for students and teaching faculty. C-DoT will provide faculty and other technological support.

- The **Prof N S Nagaraja Memorial Lecture** was held on 26th June 2022 at IETE Bangalore. **Dr S G Shivaprasad Yadav**, the Honorary Secretary, presented the opening address. The Chief Guest, **Captain T N Pranesh I N (Retd)**, Alpha Design Technologies Pvt Ltd, delivered a technical talk on '**New Trends in Radar Technology**'. **Sri C Satyanandan** made the presidential remarks and requested chief guest to release the 15th edition of '**IETE Bengaluru Magazine**' which was special edition. The vote of thanks was proposed by **Shri Ranjeet Kumar**, Honorary Treasurer.



- The Centre observed **World Telecommunications and Information Society Day** on 17th May 2022. **Shri Sibi Kabilan** of FullSkill, Chief Guest, spoke on the theme of WTISD. **Shri Satyanandan**, Chairman presided. The Chief Guest was introduced by Vice Chairman **Dr Ravishankar**. **Dr Shivaprasad Yadav**, Hony Secretary welcomed and **Shri Ranjeet Kumar**, Hony Treasurer proposed the vote of thanks. **Dr Kavitha**, Jt Secretary read out ITU Secretary General's Message for WTISD. The 14th edition of the '**IETE Bengaluru Magazine**' was released by the Chief Guest.

- **BEL-IETE Symposium 2022 (BIS 22) on Artificial Intelligence and Machine Learning for Next Generation** was held during 18th-20th May 2022 at 'Nalanda', BEL Academy of Excellence, Bangalore. Inauguration of tutorial sessions was held on 18th May 2022. **Shri C Satyanandan**, Chairman Bangalore Centre & Organising Chair BIS-22 welcomed the attendees. **Shri Vinay Kumar Katyal**, Director, Bangalore Complex, BEL, inaugurated the tutorials conducted in two

parallel tracks each in the morning and afternoon, which were on value-chain automation, deep learning for computer, AI for robotics and IoT & AR. **Shri Walgad IAS**, CVO, BEL, **Shri MV Rajasekhar** Director (R&D) BEL and **Shri L Ramakrishnan**, Chief Scientist CRL, BEL, spoke on the occasion.

- **Prof Debabrata Das**, Director, IIT Bangalore, was the Chief Guest at the symposium held on 19th May 2022. **Shri C Satyanandan**, Chairman IETE Bangalore delivered the welcome address. Plenary talk by **Prof Das** was on **Concepts of Network Slicing and ML in 5G Data Link**. **Prof (Wg Cdr) P Prabhakar**, President IETE presided over the function. **Shri MV Rajasekhar**, Director R&D BEL & Symposium General Chair and **Shri L Ramakrishnan**, Chief Scientist CRL, BEL & Technical Chair BIS-22, addressed the gathering.

- Altogether 30 papers were presented at the Symposium in two halls in parallel. A Souvenir was released by dignitaries. At the valedictory function held on 20th May '22, a sponsors' presentation was held and best paper awards and mementos were presented by the Chairman Bangalore Centre.

CHANDIGARH

IETE Chandigarh Centre conducted a **one-day workshop** for students on 26th April 2022 on **Fiber Optics & its Applications and Advances in Robotics**. **Shri Subhash C Jain**, Centre Chairman, in his address welcomed invited speakers, dignitaries, IETE Chandigarh EC members, and ISTC, CSIO Chandigarh student participants. He described the IETE's background and mission in disseminating excellent information on the newest breakthroughs in electronics, telecommunications, IT, and computer science engineering. He encouraged students and researchers to develop new ideas to boost India's economy. **Gp Capt RC Goyal, VSM (Retd)**, IETE GC Member, spoke on the benefits of IETE membership for students, corporate members, and organisation members, and encouraged students to join. **Dr Amod Kumar**, Chairman of the Technical Program Committee, introduced the workshop and the expert speakers on fibre optics and robotics. He emphasized the usefulness and necessity of these two technologies. He read the speakers' biographies. **Dr Umesh Kumar Tiwari**, Principal Scientist, CSIR-CSIO Chandigarh delivered the first expert talk on '**Fiber Optics and its Applications**'. He presented fibre optics' history, basics, applications, and networking role. **Dr Ranjan Jha**, CSIR-CSIO Chandigarh Scientist, spoke on '**Advances in Robotics**'. He discussed the role of robots in industry and medicine. Both sessions were engaging, interesting, and well-received by the participants, as seen by their curiosity and questions for the presenters. The event included 90 participants from Indo Swiss Training Centre, NIELIT Chandigarh, and IETE Chandigarh Centre. **Dr PK Awasthi**, IETE Chandigarh Centre Honorary Secretary, gave the vote of thanks.



CHENNAI

● The Centre organized an International conference, **CHENCON 2022** on “**Power of Artificial Intelligence & Machine Learning for Human Empowerment**” in hybrid mode during 20th-21st May 2022 at Sri Venkateswara College of Engineering, Sriperumbudur. The welcome address was delivered by **Dr T J Jeyaprabha**, Assoc Prof, Dept of ECE & Hony Treasurer. **Dr N Venkateswaran**, Prof, Sri Sivasubramaniya Nadar College of Engineering and Chairman Chennai Centre, highlighted the conference details. **Dr V Kamakoti**, Director, IIT Madras was the chief guest for the event. Dr V Kamakoti designed India’s first indigenously-developed microprocessor ‘SHAKTI’ and is also a Member of the National Security Advisory Board, Government of India. He spoke on the role of AI and Machine learning in various areas of interest.

● The importance of artificial intelligence in today’s world and IETE’s contribution to it were stressed by **Prof (Wg Cdr) P Prabhakar**, President of IETE. Following that, **Shri V Venkatesan**, the program director for SAMEER in Chennai, delivered an insightful message. He emphasized the current increase in AI/ML utilization. The speech by **Dr S Muthukumar**, HoD, ECE of Sri Venkateswara College of Engineering, was delivered after it. Recent advancements in AI and ML were highlighted in eight keynote lectures. There were 41 peer-reviewed papers presented.

● **Dr TJ Jeyaprabha** gave the opening remarks at the valedictory session, and then **Prof (Wg Cdr) P Prabhakar**, President of the IETE, spoke. **Dr S Ganesh Vaidyanathan**, principal of Sri Venkateswara College of Engineering, was the evening’s honoured guest and speaker. The vote of thanks was proposed by **Shri M Arun**, a member of the Executive Committee.

HYDERABAD

The Centre organized numerous technical endeavours, and also hosted a number of Knowledge Sharing Sessions, which included:-

● **Webinar- 90 (KSS-58)** was held online on “Role of Cloud Computing in Digital Era on 3rd April 2022 with chief guest **Dr Krishan Kumar, HoD, CSE**, National Institute of Technology, Srinagar, Garhwal, Uttarakhand, India with 70 people in attendance.

● **Sri UV Warlu 20th Memorial Lecture** was organized by the Centre with chief guest **Dr N S Murti Sarma, Prof** Sreenidhi Institute of Science and Technology, Hyderabad. About 60 people attended. .

● **Webinar -91 (KSS-59)** was held online on “Introduction to Block chain Technology & Applications” on 24 April 2022 with **Shri Bandreddi Sunil Kumar**, Founder, Genesis IT Solutions with 70 people in attendance.

● **Webinar-92 (KSS-60)** held online on “Role of Internet of Things (Iot) in Smart Grid Technology” on 1st May 2022 was graced by **Dr Yogesh Yashwant Pundlik**, Head, Dept of EEE Kamala Institute of Technology and Science Warangal, as the chief guest. About 50 people attended.

● **Webinar-93 (KSS-61)** was held online on the topic “Artificial Bandwidth Extension for Speech Enabled Interactive Voice Response System” on 8th May 2022 with **Dr D Mohan**, HOD Dept of ECM, Sreenidhi Institute of Science and Technology, Hyderabad, who graced the event as chief guest. 60 people participated.

● **Webinar-94 (KSS-62)** was on “Reconfigurable SOC Designs with Zynq Architecture” on 15th May 2022 with chief guest **Dr D Asha Devi**, Professor of ECE at Sreenidhi Institute of Science and Technology, Hyderabad with 55 people in attendance.

● **Webinar-95 (KSS-63)** held online was on “Hybrid Techniques in Image Authentication” with chief guest **Dr C N Sujatha** Professor of ECE Sreenidhi Institute of Science and Technology, Hyderabad with 45 people in attendance on 5th Jun 2022.

● **Webinar-96 (KSS-64)** on “Studies on Performance of Cognitive Radio Networks with Spectrum Sensing” arranged on 12th Jun 2022 with the resource person **Dr Srinivas Nallagonda**, Associate Prof ECE Dept, Marri Laxman Reddy Institute of Technology and Management (A), Hyderabad, and attended by about 40 people.

● **Webinar-97 (KSS-65)** was conducted by **Dr Uma N Dulhare**, Prof & Head, CS & AI Dept. MJCET, Hyderabad, online on “Fostering Machine Learning for Smart Society” on 3rd Jul 2022, participated by 70 people.

● “Signal Degradation issues in Optical Fiber Commn” was the **Webinar-98 (KSS-66)** held on 10th Jul 2022 by the resource person **Shri M V Satyanarayana**, Telecom Faculty Member, Indian Railways Institute of Signal Engineering and Telecommunications with 50 people in attendance.

● On 17th Jul another **Webinar-99(KSS-68)** on “Plasma Antenna Technology & Applications “ was conducted by **Dr Nukala Srinivasa Rao**, Prof & Head, ECE, Masturi Engg College, Hyderabad, having 60 participants.

● **Webinar-100 (KSS-69)** was held on “Performance Comparison of Navigation System” on 24th Jul 2022 by **Er Nuli Namassivaya** Chairman, IETE Hyderabad Center & Assoc Prof, MVSR Engg College, Hyderabad. About 90 people participated.

● **Webinar-101 (KSS-70)** was by **Dr B Divakar** Retd Joint Secretary Board of Intermediate Education, A.P with 50 people in attendance. He spoke on “Stress Management” on 31st Jul 2022.

● **Webinar-102 (KSS-71)** was organized online on “GSM Antenna and its Deployment Strategies “ on 7th Aug 2022 with chief guest **Dr K R Sudhindra**, Associate Prof ECE BMS College of Engg Bangalore.

● “The Impact of 5G Technology on human life in the 21st Century” was the **Webinar -103 (KSS-72)** held online on 14th Aug 2022 with chief guest **Shri B Brahma Reddy** Chairman IE (I) Telangana State.

● IETE Hyderabad Center organised a lecture on «IOT Based Vehicle Accident Monitoring System for Smart City « on 14th Aug 2022, graced by **Shri Ajay Kumar** Governing Council Member IETE New Delhi.

● IETE Hyderabad Center organised a two-week Internship Program on “IOT Device Development» program during 8th -21st Aug 2022 graced by **Shri K LN Rao** Om Srivastha, CEO Harisynom. About 40 people attended.

● IETE Hyderabad Center observed **Independence Day** celebrations and Hariitha Haram offline on 15th Aug 2022 with chief guest **Er Nuli Namassivaya**, Hony Secretary with 12 people in attendance.

● A lecture on “Securing Multi-Cloud Environment” was organized offline on 25th Aug 2022 with chief guest **Shri Arun Annavarapu**, Director, Solar Winds and attended by 20 people.

- 91st ISF at Pallavi Engineering College, Hyderabad was inaugurated offline with chief guest Er K Gnaneshwar Rao, Chairman; Er Nuli Namassivaya, Hony Secretary; Sri A K Sangamker, Vice Chairman; Dr K Seetha Ram Babu, GC Member, as other guests. The Guests of Honour, Sri Challapally Sudhakar delivered a guest lecture. Sri Mala Komarariah Chief Guest, Patron, Dr M B Raju and Patron T Sravanthi were present during the occasion.

KANPUR

- The Centre organized a webinar on ‘**Role of IoT Devices in the Growth of Smart Cities**’, on 17th April 2022 in association with the Dept of Computer Science & Engineering, Harcourt Butler Technical University, Kanpur, Institution of Engineers (India), Kanpur Local Centre, IEEE-UP Section, Rural Technology Action Group (RuTAG), IIT, Kanpur Med Tech, and IIT Kanpur. **Dr Urbi Chatterjee**, Assistant Professor, Dept, CSE, IIT, Kanpur, graced the event as chief-guest. The dignitaries included-**Prof Narendra Kohli**, Chairman, **Prof J Ramkumar**, Hony Treasurer, and **Er Prashant Kumar**, Hony Secretary. Addressing the participants, **Dr Urbi Chatterjee** stated how the Internet-of-Things (IoT) will be crucial to the evolution of smart cities and homes. IoT devices, which are often used for environmental monitoring, energy management, medical and health systems, building and home automation, and transportation, generate significant amounts of potentially security-sensitive data. As with most new technologies, convenience trumps security. It’s disastrous. The speaker discussed why authentication and key management are important in ubiquitous communication that shares vital information. PUFs are the promising lightweight hardware security fundamental for IoT framework. Input-to-output mapping is instance-specific and unpredictable before circuit fabrication. PUFs utilize challenge-response authentication rather than a single cryptographic key. She also covered how to construct an identity-based authentication, key generation, and secure communication protocol among “Smart” devices using its embedded PUF instance. **Er Prashant Kumar**, Hony Secretary, proposed vote of thanks.

- The Centre jointly with the Dept of CSE, Harcourt Butler Technical University, Kanpur; Institution of Engineers (India), Kanpur Local Centre; IEEE, UP Section; Med Tech, Indian Institute of Technology, Kanpur, organized a webinar on “**Digital Technology for Older Persons and Healthy Aging**” to observe WTISD-2022 on 17th May 2022. **Prof Narendra Kohli**, the Centre Chairman delivered the welcome address, which was followed by introduction of the first guest speaker, **Prof SK Mishra**, Distinguished Visiting Professor, IIT, Kanpur. The President’s message for the day was then read by **Er Vivek Asthana**, Chairman of IE(I), KLC. **Prof J Ramkumar**, Hony Treasurer, IETE Kanpur Centre introduced the Chief Guest, **Prof (Dr) SN Singh, Dir, (ABV-IITM), Gwalior, MP**, who delivered the keynote address. The another guest speaker for the occasion was **Dr Rupam Das**, Founder & CEO, Acculi Labs Pvt Ltd, Bengaluru, and introduced by **Er Prashant Kumar**, Hony Secretary of Kanpur Centre.

- **Prof SK Mishra**, in his talk stated that access to healthcare during the Corona pandemic, particularly during complete lockdown, revealed the shortcomings of our health system. In addition to hospital overcrowding, lack of medical resources hurt non-COVID patients. Telemedicine was a last resort. Despite being available in the US, telemedicine technology, tools, and solutions were never incorporated into the Indian Health System or the global health care system. Barriers inhibited telemedicine’s adoption. Now that the scenario has shown the need for telemedicine in

emergencies and normal treatment, the government should implement it. The Indian government has taken telemedicine and digital health technology seriously. The Prime Minister of India launched the National Digital Health Mission on Independence Day 2021. The National Health Authority is implementing subsequent activities. Internet of Things, virtual care, remote monitoring, AI, big data analytics, blockchain, smart wearables, platforms, tools enabling data exchange and storage, and tools enabling remote data capture and the exchange of data and sharing of relevant information across the health ecosystem creating a continuum of care have the potential to improve health care. According to **Dr Rupam Das**, digital health technology is being designed to promote healthy aging and enhance the quality of life for the aged. Older individuals are ready for novel health-related digital solutions, so our younger generation may focus on productive work without worrying about their parents’ health. When children move for work, their parents suffer from empty-nest syndrome, which causes sadness, isolation, and despair. Seniors’ limited mobility and financial dependence make medical visits challenging. Biometric monitoring and AI-enabled tools support proactive mental health telemedicine. By 2050, there will be 330 million older individuals, with a 34% depression rate. 2% have therapeutic-only access. Non-invasive diagnostic equipment helps seniors monitor health, notify family, and connect with doctors for early action. The programme concluded with a vote of thanks from Er Prashant Kumar, IETE Kanpur Centre Secretary.

KOZHIKODE

- The Sub-Centre arranged a **Technical Quiz** on 11th May 2022, as part of the **National Technology Day**. Five teams participated in three different categories, School, Diploma and B Tech level in it.
- The **World Telecommunication & Information Society Day** was organized on 17th May 2022. Around 30 members participated in the technical talk on **Digital Technology for older Persons and health-ageing**.

KOLKATA

- In collaboration with CSI, the Centre hosted a webinar on ‘**Applications of Optimization in the Field of Computer Science**’ on April 24, 2022. **Dr Debasis Jana** spoke during the webinar, which had 326 participants.
- A **tree plantation program** at IETE Kolkata Campus was organized on June 29, 2022, followed by AGM on hybrid mode, attended by 16 individuals.
- A technical lecture was held physically on 10th Aug 2022, at the **Institute of Engineering and Management in Kolkata**, soon following the opening of the New ISF. Dr Mautusi Singh, Prof J K Mandal, and Prof J K Roy were present.
- On August 15, 2022, **75th Independence Day celebration** was organized at the IETE Kolkata Campus. There were ten people present.

MHOW

Among the technical endeavors undertaken by the Sub-Centre during past months are the following:

- **Major Sunil Kumar Yadav**, FCE at MCTE, Mhow delivered an **online lecture on Niche Technologies in Communication Domain in Ongoing Russia-Ukraine Conflict** on 19th Apr 2022. The lecture was

attended by students & faculty of MCTE, Mhow and was appreciated by one and all.

- On 9th-12th May 2022, Dr Vimal Bhatia of IIT Indore, presented a lecture entitled “Digital Communication.”
- **Lt Col G Prabhu**, FCE, MCTE delivered a lecture on **Distribution Ledger Technique** at **53rd World Telecommunication & Information Society Day** on 17th May 2022.
- **Lt Col Manali Srivastava**, FCT&S, MCTE delivered a lecture on **ICS & Supervising Control and Data Acquisition** on 14th Jun 2022.

MUMBAI

The Centre marked the **53rd World Telecommunication and Information Society Day** on May 21, 2022 at Shah & Anchor Kutchhi Engineering College (SAKEC), Chembur, Mumbai. Hony Secretary Dr Suvarna Bhise presented the opening remarks. The welcome remarks were made by **Shri Parag Walinjkar**, Chairman IETE Mumbai Centre. The audience was briefed by **Dr Bhavesh Patel**, the principal of SAKEC, on the significance of World Telecom and Information Society Day. **Dr J K Chandira**, Chair of BES, then read the Message of **Mr Houlin Zhao**, Secretary General of the ITU (I). **Dr B Satyanarayana**, Chair of the IEEE Bombay Section, welcomed the attendees and read the message from **Mr António Guterres**, Secretary General of the United Nations. The message **Prof P Prabhakar**, President of IETE, sent on this occasion was read aloud by **Shri Mukesh Patil**, Chairperson of IETE Navi Mumbai. **Dr Prateek Deshpande**, Additional Deputy Commissioner of Maharashtra, was introduced by **Shri Vikrant Sankhe**, Chair of IET Mumbai, before he began to speak on the theme of WTISD 2022. The speaker gave a very fascinating speech about how it has changed over time. In his address, he discussed a few case studies, potential applications for the technology, and its benefits. He responded to the audience’s questions in a logical manner. Dr Suvarna Bhise gave the vote of thanks. Members of all the participating organizations as well as invited guests attended the event.

NASHIK

In partnership with the Electronics & Telecommunications Department of the KK Wagh Institute of Engineering Education & Research (KKWIEER), Nashik, the Sub-Centre hosted a variety of events.

- On the occasion of **IETE Student’s Day**, **Er Anant Waghchoure**, Manager-Sales, Megger India Pvt Ltd, Andheri, Mumbai, conducted an **online awareness campaign on electric safety**.
- A two-day workshop on “**IoT and Basics of Python Programming**” by **Prof R S Taday**, Lecturer, GGSP, Nashik was organized on 3rd & 4th March 2022 on occasion of **National Science Day**. The Dept of ETE of Guru Gobind Singh Polytechnic, Nashik collaborated with IETE Nashik Sub-Centre.
- A webinar on the **Role of Automation Tools in Process Instrumentation**, presented by **Dr AA Khandekar**, Professor of Instrumentation Engineering, on April 20, 2022.
- **Applications of Control Systems in the Indian Railways**, presented by **Shri VN Bodade**, Senior Section Engineer, Indian Railway, Nashik Road.
- On 27th April 2022 a webinar on **Quantitative Aptitude**, was presented by **Shri Sagar Sonawane**, Senior faculty at TIME, Nashik.
- A webinar on **Software Defined and Cognitive Radio**, presented

by **Dr Raghunath S Bhadade** Assistant Professor, and **Dr Vishwanath Karad**, MIT World Peace University, Pune, on 29th April 2022.

- Webinar on **Applications of Network Security in Practical Life**, was presented by **Shri Amey Tambe**, Director, SoftTech Data Securities, Pune, on 2nd May 2022.
- **Telekinesis 2022** was held on 5th May 2022, with assistance from Nikola Industry.
- The Membership Drive Activity at the Sub-Centre increased the number of corporate members to 134.

PALAKKAD

As part of the celebrations for **World Telecommunication and Information Society Day** on 17th May 2022, IETE Centre Palakkad, in collaboration with ISF RCET and IEDC RCET, held a **hands-on workshop** on the theme “**Embedded System with IoT**” at the Royal College of Engineering and Technology, Akkikavu. ISF Student coordinator Ms Surya S Nair greeted attendees. **Shri Suresh P**, the Hony Treasurer, inaugurated the function. **Dr Devi V**, Chairman and Chief Executive Officer of the RCET, presented the presidential address. **Ms Radhika E R**, Assistant Professor, ECE Department / ISF RCET Staff Coordinator, and **Shri Dinto Thomas**, Assistant Professor, EEE Department / IEDC Nodal Officer, offered congratulatory addresses. Ms Sreeshta J, an ISF Student member from S8 ECE, delivered the day’s ITU message and topic. Student member of the ISF, S8 EEE, Ayisha Fahima P, proposed the vote of gratitude.



PUNE

- A **Projects Poster Presentation** was held on 8th Mar 2022, with **Dr Bhavana Ambudkar**, Head of the EC Department at the Dr DY Patil Institute of Technology in Pimpri, serving as the chief guest. Other notable attendees included **Dr Sarika Patil** and **Dr Rashmi Jain**.



- At the **Robo-Wrestling**, which was held on 28th Mar 2022. **Dr Pramod Patil** and **Dr Bhavana Ambudkar**, HoD, EC Department, Dr DY Patil Institute of Technology, Pimpri, served as the main guests. **Dr Pramod H Kulkarni** and **Dr Pramod Patil** were the other important attendees.
- **World Ham Radio Day** was celebrated by both the Pune Hams and the IETE Pune Centre on 12th April 2022 at G S Moze College of Engineering, E&TC Dept. Balewadi Pune. **Dr Ratnaraja Kumar Jambi**, Principal, G S Moze COE, was the Chief Guest. There were a number of events organized where **Tracking of ISS** was the first part. OM Ajit Karnik VU2AMK talked about how the ISS receives SSTV broadcasts on college ground. He tried to catch the morning ISS pass with Yagi and a group of students in open space. Ajit shared audio files

of ISS broadcasts that could be listened to using the Robo 65 app. The students liked looking at pictures on their cell phones. An **ARISS Slow Scan TV (SSTV)** event took place from the International Space Station (ISS) from April 11-13 on 145.800 MHz FM to celebrate Cosmonautics Day and Women in Space. **Fox hunting** is a sport in which people use “radio direction finding” techniques to find radio transmitters that are hidden in a certain area. The most exciting part of the “Fox Hunt” was that five teams of students used home-made Yagi antennas in the open area of the college campus. All of the Yagi antennas were made by students in a workshop a week before. They were led by Commodore OM Ashish Saxena VU2ANM. OM Mangesh Patil VU2OOM designed and built the Fox using Raspberry Pie, which was sending out 25 MW on 144.100 MHz through a telescopic whip antenna. When the students started Fox Hunt, the signals bounced back and made them confused. After 40 minutes of fighting, Vishnu’s team found the Fox. Pune Hams VU2RCP congratulate the winners on a successful fox hunt. Vishnu Sankpal (Team Leader), Adinath Kadam, Akshay Patil, Swapnali Rabade, Komal More, Siddharth Biradar, Mansi Chavariya, Divya Patil was the winning team.



● **Shri Vineet Mathur**, DDG (Retired), DoT, was the **chief guest** at the **World Telecom & Information Society Day** event on 17th May 2022. In his speech, he stated that 5G technology, which is already commercially accessible in 12 countries and is being rolled out in 9 more, will likely surpass 2G and 3G subscriptions globally by 2025. It is anticipated that three-quarters of the \$219 billion in CAPEX that is anticipated for the APAC area will be spent on 5G installation. DoT officers in Pune were recently shown 5G use cases in remote diagnosis, smart construction, and driver monitoring systems by operators. The following comments made by ITU General Secretary Houlin Zhao were highlighted: Not only is equitable access to digital technology a moral imperative, but it is also essential for global prosperity and sustainability. It is crucial to reduce demographic and non-demographic barriers to mobile service access. The notables present were **Dr Ravindra Kharadkar**, Centre Chairman, **Er Mangesh Patil**, IT Expert, **Dr Sanjay Zope**, Chairman, IE (I), PLC, **Shri Anil Chaitanya**, Tech forum, **Shri Vilas Rabde**, **Er Vipin Munot**, Hony, Secy, IE (I), PLC, **Dr Virendra Shete**, Hony Secy, Pune Centre, **Prof (Dr) DG Bhalke**, Convener - IEI-PLC.



● The IETE Pune Centre, Pune Chapters of IEEE, and the Institution of Engineering & Technology celebrated **World Telecommunication & Information Day** on May 21, 2022. The event’s chief guest was **Dr Hemant O Thakare**, President of the IEI, and the keynote speaker was **Dr GG Pandit**, National Chair of the ICMR, who talked on the day’s theme of “Digital Technologies for Older Persons & Healthy Aging.”

● **Com. Ashish Saxena**, VU2ANM spoke on ‘**Field Strength Meter**’ at an event jointly organized by IETE Pune Centre and Pune Hams on 5th June 2022.

RAJKOT

● **Dr Jayesh Deskar**, Principal V V P Engineering College Rajkot & **Dr Nirav Maniyar** gave expert talks on **Building Career in Degree Engineering** on 5th May 2022, organized by IETE Rajkot Centre.

● The Chief Guest at the **World Telecommunication and Information Society Day** organized online by the Centre on 17th May 2022 was **Shri Vineet Mathur**, DDG (Retd), DoT. **Dr Vaibhav Gandhi**, Professor and Head of BH Gardi College of Engineering and Technology in Anandpar Rajkot, gave an expert lecture on ‘**Digital Technologies for Older People and Healthy Aging.**’ The Chairman, **Prof (Dr) Atul M Gonsai**, welcomed everyone. Dr Rahul D Mehta Hony Secretary IETE Rajkot Centre readout messages from IETE President & ITU Secretary General. Concluding the programme, **Er Mohit Parbat**, EC Member proposed vote of thanks.



● **Shri Chirag Patel**, Head, TATA AIA Life Insurance, Saurashtra & Kutch district spoke on ‘**Raho befikar Aaj ho ya kal**’ on 25th June 2022. Following the conclusion of the event, a dinner for IETE members, guests, and invitees was served at the same location. The program was sponsored in part by TATA AIA life insurance. Officers of the IETE Rajkot Centre praised and thanked the TATA AIA Life insurance team for their efforts and partial sponsorship of the event.

SIVAKASI

● The **8th Techno Blaze** of the academic year 2021-2022 was held on 11th April 2022 by the Centre. **Dr W Sylvia Lilly Jebarani**, Hony Secy, delivered the welcome remarks. Resource person, **Er M Samsudeen**, Principal Test Engineer, ARM Embedded Technologies, Bangalore, spoke on ‘**A Quick Glance into Semiconductor Testing**’, 35 IETE Corporate members attended Techno Blaze. The speaker started the discussion by explaining IoT, architecture, existing (WiFi, Bluetooth) and novel protocols (Z-band). He discussed smart agriculture, garbage disposal, health monitoring, etc. He divided Embedded IoT into Customer and Industry IoT. He discussed design difficulties including 5G, Blockchain, etc. He explained the usefulness of Embedded IoT in epidemic times by bringing food and medicine to patients. Dr Syed Ameer Abbas, IETE

Sivakasi Centre Chairman, presented the speaker a souvenir. Dr R Ahila Priyadharshini, IETE Sivakasi Honorary Treasurer, gave a vote of thanks.

- The lecture of 9th Techno Blaze was delivered by **Er D Balabharathi**, Software System Architect, R&D, boAt Lifestyle, Imagine Marketing India Ltd, Bangalore on ‘Recent trends and applications in Embedded-IoT’ on 11th May 2022. **Dr S Syed Ameer Abbas**, Chairman, presented speaker with a memento. **Dr R Ahila Priyadharshini**, Hony Treasurer proposed vote of thanks.

VADODARA

- The Centre, in collaboration with local chapters of IE (India) and the Computer Society of India, observed **World Telecom and Information Society Day 2022** on 17th May 2022, under the theme “Digital Technologies for Older Persons & Healthy Ageing.” Attendees were greeted by **Shri Ambikesh Padhye**, Chairperson of the IETI, Vadodara Local Centre. **Dr Mamta Padole**, Chairperson IETE Vadodara Centre, and **Dr Vipul Kalamkar**, Chairman CSI, Vadodara Chapter, introduced IETE and CSI, respectively. **Dr Bharti Trivedi**, a CSI EC member, presided over the ceremony. Dr Padole read the ITU Secretary General’s message. **Dr Ashok Patel**, CEO of AB Industries, Baroda, spoke about the issues that elderly persons face in today’s world and how various technologies and processes might aid them. **Dr Tushar Chokshi**, Vadodara consultant anaesthesiologist, spoke on “Aging in a Digital World - From Vulnerable to Valuable.” Mementos were presented to speakers by **Shri Yashpal Goyal**, Vice Chairman, IETE Vadodara Centre and **Shri Keyur Thakkar**, Hony Secretary, IETI. **Dr SorumKotia**, Hony Secretary, IETE, Vadodara Centre proposed vote of thanks.



- Under the Centre’s webinar series, ‘Let’s Know Our Institutions’, a field visit to **Disaster Recovery Data Centre (DRDC), ONGC, Vadodara**, was organised on 7th June 2022. Chairperson, **Dr Mamta Padole**, Vice Chairman, **Shri Yashpal Goyal**, Hony Secretary **Dr Sorum Kotia** and students participated. **Ms Shweta**, SE (E&T) delivered the welcome address, whereas **Shri Jas Chadda**, GM (E&T) introduced activities of Infocomm Centre. **Shri Kumar Abhay Vardhan**, Executive Engineer, guided through the tour. **Shri Yashpal Goyal** and **Dr Sorum Kotia** personally met **Shri Subodh Tiwari** GM (E&T), DRDC, ONGC and thanked him.



VIJAYAWADA

The Centre in association with IE(India) AP State Centre, Vijayawada, and the ISF of the Dept of ECE of PVP Siddhartha Institute of Technology, Kanuru, Vijayawada, jointly celebrated ‘**World Telecommunication and Information Society Day 2022**’ on 17th May 2022. Chief Guest, **Er GV Manoj Kumar**, Director (Security), DoT, Ministry of Communications, spoke on theme ‘Digital Technologies for Older Persons and Healthy Ageing’. **Dr K Ramanjaneyulu**, Chairman read out message of Secretary General, ITU. **Er P Kalee Prasad**, Hony Secretary, presented Secretary’s report. **Dr C V Sriram**, Hony Secy, IE(I) AP State Centre, Vijayawada and **Dr K Sivaji Babu**, Principal, PVP Siddhartha Institute of Technology, Kanuru, Vijayawada expressed their views. **Dr C Subba Rao**, Prof & HOD of the ECE, PVP Siddhartha Institute of Technology, Kanuru, Vijayawada, also graced the occasion. **Dr A Geetha Devi**, Hony Treasurer proposed vote of thanks.

YAVATMAL

- An interactive session on **Entrepreneurship, startups and foreign education system for employability** was organized by IETE Yavatmal in association with Abasaheb Parvekar College (APC), **Yavatmal** and Jawaharlal Darda Institute of Engineering and Technology (JDIET), **Yavatmal** on 29th April 2022. Experts for this event were: **Dr Vijay Wadhai**, Director, Astute Academy, Chicago, USA, **Dr Tushar Deoras**, Managing Director, Astute Academy, Chicago, USA, **Shri Kiran Inamdar**, National Trainer, Motivator and Consultant in Entrepreneurship and **Dr Dhananjay Gaikwad**, National Trainer accredited by NIESBUD, Delhi. About 129 Students and IETE Corporate Members attended this interactive session.



- IETE Yavatmal Sub-Centre in association with SAVE Club of Jawaharlal Darda Institute of Engineering and Technology, Yavatmal, organized an **expert lecture on Shivcharitra and Today’s Youth** by **Prof Pravin Deshmukh**, Indira Mahavidyalaya, Kalam, on 6th June 2022.



News From Professional Activity Centre

PAC AUSTRALIA

The **20th Symposium and Annual Day** of IETE Australia was conducted on 24th July 2022 at the Robertson Lecture Theatre, Murdoch University, where 45 attendees from Perth, Eastern States of Australia and overseas were present. The technical panel comprised of **Professor Rajeev Varshney**, **Dr Sandeep Sharma** and **Mr Eipe Chundamannil**. The Perth Vision team of **Jagpreet** and **Aridaman Walia** coordinated.

Four presentations were given on topics of current high

technology interest to the country: ■ **Smart Cities & Industries for sustainable future by Jagpreet Walia** ■ **Future Technology Opportunities in WA, by Siddharth Malani** ■ **5G Technology and Applications, by Atul Garg** ■ **Repurposing Agricultural Wastes to Energy, by Dr Manickam M Sundaram.**

IETE HQs, New Delhi is grateful to **The Murdoch University** for continuing to assist IETE Australia, a regional professional activity Centre, and all of the professionals that are a part of it in moving up the value chain.



IETE Organizational Member

IETE Organizational Member V V P Engineering College, Rajkot (G00374) organized an online webinar on “Building Career in Degree Engineering” on 5th May 2022. The experts included Dr Jayesh Deskar, Principal V V P Engineering College Rajkot, and Dr Nirav Maniyar.

IETE Students’ Forum (ISFs) Activities

- ISF was inaugurated at **AMC Engineering College (AMCEC), Bangalore**, at its ECE Dept on **Jan 5, 2022**. Dr T Kavitha, HoD, ECE welcomed the attendees on the occasion. Dr Girisha, Principal AMC Engineering College, Dr KM Babu, Director, AMC Institutions presided. Shri C Satyanandan, Chairman Bangalore Centre addressed the gathering. Shri C Satyanandan, distributed membership certificates to students followed by keynotespeech on ‘5G think towards 6G’ by Prof C Murali, former Vice President IETE. Dr Swetha Rani, Professor, Dept ECE proposed vote of thanks. The ECE Dept conducted a Poster Presentation on ‘Public and Private Companies’ on **Jan 10, 2022**. Dr T Kavitha, Prof and HoD of ECE, AMCEC, gave a presentation in Faculty induction program on “Course OutCome - Program Out Come Mapping and Attainment Calculation” coordinated by Prof Divyashree K, Dept. of ECE on **May 12, 2022**.
- The Departments of ECE & EEE at **PES Institute of Technology and Management, Shivamogga**, inaugurated their new ISF sessions on **Jan 18, 2022** via hybrid mode. Ms Umadevi S Y, CEO, PESITM Trust, Shivamogga, chief-guest addressed students and expressed happiness at the PESITM joining IETE family. Chief Guest, Shri C Satyanandan, Bangalore Centre Chairman addressed participants virtually and requested the management to make the College an Organisational Member of IETE. Dr Chaitanya Kumar MV, Principal, Dr Devananda SN, HoD ECE, Dr Om Prakash Yadav, HoD EEE and Dr M Madhavi, co-ordinator participated. Prof C Murali, Past Vice President IETE and Guest of Honour gave a technical talk online.
- The EC Dept of **Nitte Meenakshi Institute of Technology (NMIT), Bangalore**, conducted a workshop

on “Entrepreneurship Skill, Attitude and Behaviour Development” on **Jan 27, 2022**. Shri Cherith, Ex CEO at Selvitate, Chief Business Officer at Induszbuy.com and Shri Pankaj, Co-Founder, were speakers. Shri C Satyanandan, Bangalore Centre Chairman inaugurated the workshop. Dr Prasanna Paga, ISF coordinator proposed vote of thanks. The **ECE Dept** in association with the Institution’s Innovation Council of Nitte Meenakshi Institute of Technology (IIC-NMIT), IETE Bangalore Centre and IRIS organized a webinar on ‘Process of Innovation Development & Technology Readiness Level & Commerciality of Lab Technologies & Tech Transfer’, on **Feb 5, 2022**. Shri M Vinay Kumar, Entrepreneur and Chief Executive, Gurutech Systems was the key note speaker at the webinar. Prasanna Paga, ISF coordinator was the over all in charge.

- **The event of BGMI** was conducted on **Feb 1, 2022** by **ISF MS Ramaiah Institute of Technology (MSRIT), Bangalore**, on account of Students’ Day. ISF coordinator, Dr SG Shivaprasad Yadav welcomed participants. The ISF Student Chairman Rakshitha HS briefed about the events. The ISF student Secretary Aishwarya K mentioned rules and way of conducting proceedings.
- **ISF at Bangalore Institute of Technology, Bengaluru**, inaugurated a new batch at a session on **Feb 7, 2022**. Shri Satyanandan, Chairman IETE Bangalore was the Chief Guest and Prof C Murali Past Vice President IETE was Guest of Honour and keynote speaker. Dr MU Aswath, Principal BIT, Patron, Dr HN Suresh, Prof & HoD, Electronics & Instrumentation, Convener and Ms Neethashree, Coordinator participated. Dr CV Ravishankar, Vice Chairman IETE Bangalore and Mr KS Ravi, EC Member also addressed the gathering.
- **The ISF at EC Dept of Chaitanya Bharathy Institute of Technology, Bangalore**, conducted a webinar on ‘5G Wireless Network - A Detailed Survey’ on **Feb 9, 2022**. Prof C Murali Former Vice President, IETE, former Chairman was the chief guest and delivered the technical talk. Shri T Sridher and Shri P Ranjith, Asst Professors were coordinators.
- **The ISF at ECE Dept of Narula Institute of Technology, Agarpara** organized a webinar on “Campus to Corporate-transition, insights of workplace culture, technologies” through virtual platform on **Feb 19, 2022**. The speaker on the occasion was Dr Debarati Mitra, an experienced IT Professional and Developer, and she spoke on the corporate structure, their requirements, and how to adapt in the new situations. Basic understanding about programming languages were also touched upon. Fun time in the corporate world

was also emphasized in the lecture. Women in industry and their related issues were discussed in a nutshell. How client, analyser, developer, corporate made total systems were also elaborated.

- On the occasion of National Science Day, the Department of **ECE and ISF at Anil Neerukonda institute of Technology & Sciences (ANITS), Visakhapatnam** hosted a Project Expo titled “Technovations-2022” on **Feb 28, 2022**. Prof G Raja Rao, Head of the Electrical Engineering and Electronics Engineering Department of ANITS, served as the event’s chief guest. There were a total of 39 teams, with 156 students, who displayed their hardware projects spanning fields such as the Internet of Things (IoT), Arduino-based embedded applications, and Li-Fi technologies. Two teams that were awarded the first and second place were for the prtoject “Smart City” with cash prize of Rs 1500, while second place went to the project “Digital Voting Machine” with Rs 1000 to the team. The **ISF** had a yoga event on the International Day of Yoga on **June 21, 2022**, to show BTech students its importance. 390 students, 50 faculty members, and the ANITS principal participated. The ECE Department, ACES Student Body, and IETE Student Forum hosted a Cyber Security lecture on **Aug 03, 2022**. Shri Vedant Narayan, Scientist C, Indian Computer Emergency Response Team, Government of India, gave a presentation on the theme. The speaker began by outlining challenges experienced by many in the cyber field, forms of malwares, and numerous links & apps with their applications in the industry, which will help identify employment chances in that profession. 172 people participated, including 152 4/4 ECE students and 20 instructors. Ms B Deepa, Assistant Professor, ECE, gave the vote of thanks.
- **The ECE Dept at Vignan’s Institute of Engineering for Women (VIEW)Visakhapatnam**, conducted a workshop on “IoT based embedded applications using RaspberryPi & Python Programming” with industrial experts and “Pantech E-learning” under IETE VIEW **Student Chapter** on **March 7-8, 2022**. Dr K Chandra Bhushana Rao, Professor & HoD, ECE, JNTU Vizianagara, delivered a guest lecture on ‘Career Opportunities Ahead’ in NAVITAS-2K22, on **Mar 10-11, 2022**.
- **ISF at ECE Dept of B S Abdur Rahman Crescent Institute of Science and Technology, Chennai, Tamil Nadu**, organized global certification course on ‘Certified Labview Associate Developer’(CLAD) from **March 21st to April 4th, 2022; from April 11th to 13th, 2022** and from **April 18th to 20th, 2022**. The training program was inaugurated & graced by Dr C Tharini, HoD, ECE, BSA. Resource persons included,

BSACIST CLAD certified faculty & Shri Anish Kumar, Director, Aadhyaa Skills Research and Development. The ECE Dept organized a two-day workshop on “Implementation of Communication Protocols in FPGA” on **April 22 & 23, 2022** for the benefit of UG, PG, Faculty members and Research scholars from various institutions. The resource persons for this training were- Shri Kumaran R, Senior Design Engineer, SmartSOC solutions, Chennai. Alumnus (Mtech – VLSI and Embedded Systems - (2015 - 2017)) and Mr. Rahul Iyer, Associate Director, Samsung Semiconductor, Bangalore. 33 students attended. The Dept held a two-day “Smart Phone Servicing” workshop on **May 18-19, 2022**. The training session’s main goal was to teach mobile phone technical skills. 44 participants attended. On **June 2, 2022** ISF, IE, IETE, Hobby Electronics Club, Social Technical Services Club, and BQUIZ Club had an open day to present their projects in 60 batches. Final-year ECE/ EEE/ E&I/ I&C students from various institutions participated in “Virtual Project EXPO 2022” online on **June 11, 2022**. 10 teams were picked from 15 batches. Presentation, innovation, demo, and Q&A were evaluated. Kathir College of Engineering, Coimbatore, St. Joseph’s Institute of Technology, Chennai, and Shri Sant Gadge Baba College of Engineering and Technology, Maharashtra, scored the highest.

- A guest lecture on ‘IoT and its Real time Applications’ by Dr S Mahaboob Basha, Associate Professor, ECE, RMK Engineering College was organized by **ISF, ECE Dept, Kings Engineering College, Chennai**, on **April 1, 2022**. A Faculty Development Programme, ‘Applications of cognitive radio networks’ was held on **April 1-6, 2022**.
- **ISF at Dept of ECE, Panimalar Institute of Technology, Chennai** organized number of activities in past few months that included -Webinar on ‘Challenges faced by Electric Vehicle, Motors Drives and their Solutions’ on **April 2, 2022** by Dr Rajesh M Pindoriya, Project Engineer at IIT Mandi; An event “HOMEOPATZ” on the occasion of World Homeopathy Day on **April 10, 2022** and another webinar on ‘Opportunities after Engineering’ on **April 12, 2022**. Webinar on ‘How to start with Programming’ by Shri Aman Kesarwani, founder @ LetsGrowMore, software engineer (DevOps) was arranged on **April 15, 2022**; event PROV-DETECT on the occasion of World Book Day was held on **April 23, 2022** and also a webinar on ‘Higher Studies Opportunities in Abroad’ by Shri Premkumar Kora, MD& founder Kora Study Abroad Consultants. Another event on ‘Key insights of student volunteering’ was conducted by Shri Chaitanya F, Quality Assurance Engineer, Perficient, IEEE Bombay Section, WIE Bombay was conducted on **Apr 24, 2022**. ISF

arranged another event namely-‘ICOSATHLON’ focused on improving general knowledge on **May 7, 2022**. The **ISF** organized a webinar on ‘Machine learning for Healthcare’ by Dr Kiruthika V, AP Sr, VIT University on the same day; Webinar on ‘Optimum design of RF spiral inductors’ by Dr J SathyaSree, AP/ECE, VIT University, Chennai, was held on **May 7, 2022**. Webinar ‘Optimum Design of RF Spiral Inductors’ was by Dr J SathyaSree, AP/ECE, VIT University, Chennai; Event, ‘Pronounced’ was arranged on **May 8, 2022**; Event ‘Brilliant Brushes’ held to commemorate Mother’s Day on **May 9, 2022**; Workshop ‘Quantum Computing’ by Prof Amlan Chakrabarti, Head of IT & Tech Innovation Cell, Government of West Bengal, and Department of Higher education was held on **May 14, 2022**; Event ‘MUSEE- MAN’ on the occasion of International Museum Day arranged on **May 18, 2022**; Workshop on “Embedded AI” by Shri Manoj Thoranala Manjunatha - Autodidact (Embedded AI, Robotics, IoT) was organized on **May 21-22, 2022**; Symposium ‘NOBICOM’22’ comprising paper presentation, project expo, idea pitching, technical debate etc. organized on **May 28, 2022**. The **ISF** organized series of other events as well namely-Workshop on ‘Matlab for Engineers - An Introduction to Matlab and Simulink’ by Shri M Harigovind, Assistant System Engineer, TCS on **May 28-29, 2022**; ‘SNUFF-QUIZ’ on the occasion of ‘World No Tobacco Day’ on **May 31, 2022**; “How WIE Inspires you?” by Ms Fatma Zamil, President, American Society for Engineering Education, Jordan on **June 6, 2022**; WIE celebration 22 ‘Women Entrepreneurship’ by Ms Juhi Singh, Founder & CEO InoKart on **June 14, 2022**; Workshop on ‘Blockchain’ by Eva Kaushik, Co-Founder – Ficord, Chairperson, IEEE ADGITM on **June 18-19, 2022**; and a lecture on ‘How to Start A Program?’ by Shri Tejas Chavan (Public Speaker) on **June 21, 2022**.

- **The Dept of E&TC at JCEI’s Jaihind College of Engineering(JCOE), Kuran, Pune**, organized a seminar on ‘Placement’ on **Apr 4, 2022** where Alumni Amay Shinde, Jayant Korhale, Saurav Argade and Nikita Deshmukh gave valuable tips to prepare for various stages of the placement interview. Names of online platforms from where one can learn languages and prepare for the aptitude test were mentioned. Dr (Mrs) Vaishali Dhede proposed vote of thanks. Shri Jayant Vijay Suryawanshi was Chief Guest for the webinar on ‘Power devices & Circuits’, held on **April 23, 2022**, organized by **E&TC Dept**. Dr VM Dhede (HOD E&TC) graced the occasion. Shri Sougatta Chatterjee was Chief Guest for webinar on ‘Recent Trends in Mobile Communication’, held on **April 23, 2022**, elucidating real-time working process of



GMRT Khodad, Pune. Dr VM Dhede (HOD E&TC) graced the occasion. Prof RB Shikare introduced Guest Lecturer Mrs Sonali Phulsundar for the webinar on ‘Placement Orientation’ held on **April 25, 2022**, organized by **E&TC Department of Jaihind College of Engineering**. Dr VM Dhede (HOD E&TC) was also present. Speaker shared information about placement training programs. Ms Anuja Deokar was guest lecturer for the seminar on ‘Power Electronics and Power Devices’ held on **April 26, 2022** organized by **ISF**. Dr VM Dhede (HOD E&TC) also attended. A webinar was organized on **April 30, 2022** on “Frequency Domain Analysis”, with Shri Jayant Vijay Suryawanshi as Chief Guest for the webinar, organized by the **ISF**. HOD E&TC was also present on the occasion. On June 29, 2022, Certificate distribution was held in the presence of Dr D J Garkal, Dr Galhe and Dr Shubhangi Gunjal, Director of the college.

- From **April 4-7, 2022**, the **Dept of ETE at AISSMS IOIT, Pune**, in conjunction with IETE Pune, hosted the BE E&TC Project Exhibition 2022. Dignitaries Dr PB Mane, Dr DG Bhalke, Dr MP Sardey, Dr PP Vas and Mrs VK Patil attended. Over a hundred teams participated with their BE projects. Mrs VK Patil, Mrs SV Lohar, Shri CK Bhange, and Shri AA Chaudhari were the coordinators for the project’s exhibition. Principal Dr PB Mane and Head of E&TC, Dr MP Sardey inspired students and coordinators to organize an exhibition of BE E&TC projects. Mrs MS Bongale, Shri MK Dhumal, and Ms PG Chavan provided the technical support. The competition was separated into categories such as automation, Internet of Things, embedded systems, and image/signal processing. Dr VK Bairagi, Ms Mamta Koban, Dr Sarika A Panwar, Shri DA Itole, Dr SB Dhonde, Dr HD Shinde, Ms Varsha Patil, Ms Shobha Nikam, and Shri Sugat Pawar coordinated this activity. The winners’ list includes- 1stprize: Jyoti Bhongale, Dipali Dhakane & G Vijay; 2ndprize: Shashikant Dhage, Vaibhav Dhakne & Belote Tejas; and 3rdprize: Gayatri Kagade, Ritesh Khole & Siddesh Malode. The **ISF** held a Mini Project competition on **April 21, 2022**.
- IETE club of LD College of Engineering, Ahemdabad, organized ‘Orientation 2k22’ for 1st year and 2nd year students pursuing electronics and communications engineering on **April 7, 2022**, where 10 new students enrolled for **LD ISF**.
- **ISF (SCIT) Sudhir Chandra Institute of Technology** along with IETE Kolkata Centre celebrated World Health Day on **April 7, 2022** with Prof J K Mondal as the resource person. 60 people attended. On **April 22, 2022** World Earth Day was organized with 100 people in attendance. On **April 26, 2022** workshop on voice and data call flow architecture of GSM network (2G,3G,4G, VoLTE) on physical mode with 50 people attended.
- **ISF at Dept of ECE, Rajalakshmi Institute of Technology, Chennai**, New ISF was inaugurated by Dr N Venkateswaran, by Prof Dept of ECE, Dept SSNCE & Chairman IETE Chennai Centre on **April 9, 2022**.
- ISF at **Shivajirao S Jondhle Polytechnic, Asangaon**, held a “State Level Technical Paper Presentation” under the name “WINGS-2022” on April 09, 2022. in association with IETE - Mumbai Centre on April 9, 2022. The event witnessed the great enthusiasm of participants from more than 25 colleges across Maharashtra state. The presentation and performance of all the participants was admirable. For this competition, 3 winning teams for each Group (Group A & Group B) were announced and given E-certificates and cash prizes by the institute. The winnings teams were told about the opportunity given to publish their paper in IETE journals. Shri Parag Walinjkar Chairman IETE Mumbai Centre was the Chief Guest along with Dr Sneha Jondhle Principal SSJP Asanagon. Prof Smita Lonkar HOC EXT C SSJCOE Dombivili and Treasurer IETE Mumbai Centre also attended. Judges of the event were: Dr Uttara Gogate HOD Computer SSJCOE Dombivili, Dr Savita Snagam HOD Information Technology SSJCOE Dombivili and EC member IETE Mumbai Centre, Dr Madhuri Rodage, HOC EXT C SSJCOE Asangaon and EC member IETE Mumbai Centre, Dr Y S Patil HOD Civil Dept SSJCOE, Asangaon, Prof Amol Daymaa Associate Professor SSJCOE, Asangaon, were some of the other notables present.
- The **ISF at Dept of ECE, Jeppiaar Insitute of Technology, Chennai**, organized a webinar on ‘Technical Stuffs for an Event’ by Shri Raghul Kannan, software engineer, Atos, the chief guest on the occasion on **Apr 9, 2022**. Events like ‘Connexion’ on **Apr 12, 2022**; online event ‘Tamil Puthaandu Sirapu Pattimandram’ graced by chief guest Dr Rassul Jayapathy, on **Apr 16, 2022**, were also organized. On **Apr 23, 2022** the **ISF** organized a webinar on ‘Soft Skills Development’, which was graced by the Chief Guest Dr Supriya Kumaravelan and on **Apr 30, 2022** held an event namely ‘Codeathon 22’. An international conference was held on ‘Recent Innovations in Science, Engineering and Technology’ ICRASET-2022 on **May 13-14, 2022**. Webinar on “Power Automate” by Shri Vignesh.V, software engineer in Atos was arranged on **May 15, 2022**; while ‘Technophilia 2.0 –Symposium’ was conducted on **May 17-18, 2022**.
- A poster presentation was organized on **April 16, 2022**, at **ISF** at Dept of ET at **Dr DY Patil Institute of Technology**,

Pimpri, Pune. The winners of the presentation were: Ankush Tukaram, Aditya Singh, Shubham Jadhav, Shivam Tiwari & Anees Patel. On **April 28, 2022**, Robo-Wrestling was held in the Main Yard of Dr D Y Patil Institute of Technology in Pimpri, Pune. Participation was available to all Pune-based colleges and robotics clubs. In which participating teams were required to pit their robots against those of the opposing team in order to earn points. There were two rounds in which each team was evaluated, and the teams with the most points advanced to the finals. Team Jaguar 3 defeated Team Dhruv 4 by a margin of almost 25 points in the championship match. The competition was attended by more than 150 spectators who all liked the Robo-wrestling and learned new things.

- **ISF at Dept of ECE, Sri Venkateshwara College of Engineering, Sriperumbudur, Chennai,** organized a webinar on “Essentials of Technical recruitment with Problem Solving Approaches” on **Apr 16, 2022**. The chief guest Shri Venkatraman Sampath, PG alumni, conducted the event.
- The Dept of ETE and IETE-ISF at **Shah & Anchor Kutchchi Engineering College, Chembur (SAKEC)** in association with IETE Mumbai Centre presented a valedictory function of OSCILLATIONS-2022 and a Technical Lecture by Shri Prateek Verma on **April 16, 2022**. After the lecture valedictory event began with saraswati vandana, each college’s ISF Co-ordinates and dignitaries were facilitated. Participating in Oscillation 2022 to receive rewards for their students were sixteen colleges. As it does annually, IETE selected the finest ISF and awarded the ISF coordinator. In the month of FEB, IETE held a Technical Writing Competition on Student Day, and winners were awarded awards at this valedictory ceremony. Dr Suvarna Bhise gave a vote of thanks at the conclusion of the event.
- **New ISFs** were inaugurated at **Sridevi Institute of Technology, Tumkur, Karnataka** and **Kalpataru Institute of Technology, ECE Dept Tiptur, Karnataka** on **April 18, 2022**.
- The **ISF** at the **MIT-School of Engineering in Pune** hosted Technogenesis-22 from **April 18 to April 23, 2022**. Principal of the Bharati Vidyapeeth College of Engineering in Pune, Prof (Dr) Sandip S Patil was the Chief Guest. Technically, it was sponsored by the IEEE New Jersey Branch, the IEEE Pune Section, the IEEE Education Society, Pune, and the IETE Pune section. Shri Girish Khilari, Chairman IEEE Pune Chapter, CTO & Director Elloit Systems, Pune, emphasised the significance of patentability, publication of work, and the roles and responsibilities carried out by the various IEEE members. During this week, numerous events were scheduled. Over 300 students participated in the “International Project Competition” with theme-based projects such as energy conservation, productivity enhancement, environmentally friendly cost savings, etc. Another Workshop included information on PCB Designing with Simulation Tools. The response to the mobile/laptop repair workshop was enthusiastic. Inauguration of Research Enclave Series and Digi Code Competition; Inauguration of Lecture Series on Advance Electronics Communication; Lecture on “Electromagnetic Metasurfaces - Wave Engineering from 5G Communications to Holograms”; lecture by Prof Shulabh Gupta, head Materials and Antenna Research Squad Ottawa, Canada; Prof RA Patil talk on “Next Generation Wireless Technology”; and Shri Suhas Kardile IT Professional, Pune, talk on trends in IoT were among the main highlights. The notables were: Dr Gautam Chattopadhyay (Senior Scientist, Jet Propulsion Laboratory, NASA); Prof SK Khedkar (vice-president, IETE); Dr RA Patil (Assoc Prof, E&TC Dept, COEP); Prof Dr Kishore Ravande (principal, MIT School Of Engineering); Prof (Dr) Suvarna Chorage; Prof (Dr) Bharati Vidyapeeth CO (Principal MIT School of Engg). Prof Shubhangi Joshi offered the vote of thanks.
- **ISF at VVP Engineering College, Rajkot** in association with Rajkot Centre organized department-level research paper writing competition on **April 20, 2022**, where Dr Charmy Patel & Dr Vishal D Nimavat, EC Member & Coordinator ISF were judges. The event was coordinated by Ms Sheron Christy & Dr Sneha Pandya. **ISF** with Rajkot Centre organized industrial visit at Archana Automation, Rajkot on **May 21, 2022**.
- Departments of ETE, CSE. and EE organized an inaugural function on **April 21, 2022** for ISF members of **RWMCT’s Dnyanshree Institute of Engineering & Technology, Satara**. Event started with a welcome note for the dignitaries that included Hony Principal, Dr AD Jadhav, Hon Vice-Principal, Dr UR More, Chief Guest Hon’ble Dr RD Kharadkar, Keynote Speaker, Prof AD Bhoi, including faculty members and students of E&TC, ELE & CSE Departments. This was followed by the introductions for the chief guest Dr RD Karadkar & keynote speaker Prof AD Bhoi by IETE Student Co-ordinator Ms JuiArde. Dr Karadkar highlighted current industrial skills requirements for students. Prof Bhoi delivered a seminar on ‘Millimeter wave and its applications.’ Shri Prathmesh Bodhe (TYE&TC), ISF Chairman proposed vote of thanks.

- **ISF at Dept of ECE, Velammal Engineering College, Surapet, Chennai**, organized ‘A Mini Project Contest: Inventronix 2K-22’; Technical Quiz & Tech-A-Thon competition on **Apr 22, 2022**. On **Apr 26, 2022**, Prof T J Jeyaprabha, associate professor, SVCE & Hony Treasurer - IETE Chennai Centre, spoke on the topic of ‘Cyber Security’. On **May 6, 2022** the ISF organized a ‘Virtual national conference on recent advancements in communication, electronics and signal processing, RACES’22’.
- On **April 22, 2022**, Shri Sanjiv Borkar, Shri R V Gheware, and Shri Abhijit Patil of **ISF at St Xavier Technical Institute, Mahim, Mumbai**, presided over a 3D Poster Competition. Approximately eighty participants registered, and seventy-six participants presented posters on issues connected to the fundamentals of electronics and communication; the chief guest graced and inaugurated the event, and also toured the poster exhibition rooms to encourage and motivate participants. Dr Suvarna Bhise, Honorary Secretary of the IETE Mumbai Centre, was the Chief Guest, along with Director Fr (Dr) Jonn Rose, Principal of Xtech, Dr Shivaji Ghungrad, and Head of Department, Dr Vivek Rathod.
- Dr Srinivas Padmanabhuni, CTO & Founder, TestAIing.com, Bangalore, delivered a guest lecture, on theme, ‘Technology Ethics’ on April 30, 2022, held under the aegis of **ECE Dept, KS Institute of Technology (KSIT), Bangalore**. Dr Surekha Borra, Professor & Chief research Coordinator, KSIT, Bangalore welcomed attendees.
- The **Dept of EEE** and the **ISF Adamas University** jointly organized an Industrial workshop on “Recent Trends in RF and Microwave” on **May 05, 2022**. The workshop commenced with the significance of Microwaves in industry. Experts outlined design aspects of microwave systems, transmitters and associated design tools. The speaker highlighted topics like pre-emphasis, de-emphasis, spectrum analyzer and its applications etc. Few case studies from the industry were mentioned and industry’s expectations from graduates. Challenges and solutions for design of microwave receivers were dealt with and introduction provided to RF MEMS circuits. Career opportunities in Microwave industry as well as those at Society for Applied Microwave Electronics Engineering and Research (SAMEER) Kolkata were mentioned. **Department of EEE and the IETE Students’ Forum (Adamas University)** jointly celebrated the World Telecommunication and Information Society Day 2022 on **May 17-18, 2022**. Objective of the event was to create awareness among students about ITU and developments in Telecommunication engineering, especially on this year’s theme “Digital technologies for older persons and healthy ageing”. Shri Vineet Mathur, DDG (Retd) Ministry of Communications was the Chief Guest. **IETE ISF along with the Department of EEE, Adamas University Kolkata**, organized an industrial visit comprising 26 students & 2 faculty members to Society for Applied Microwave Electronics Engineering (Kolkata) on **June 4, 2022**. On **May 18, 2022** a beyond-the-syllabus talk was delivered by Shri Jeet Banerjee (Asst Professor, EEE, SOET) on ‘mm-Wave and Massive MIMO as 5G Enablers’. Dr K Gopalakrishnan, Assoc Professor/ECE gave a lecture on ‘Basics of PCB design and its fabrication’ and demonstrated and guided students to work on PCB Wizard in Labs.
- On **May 9-15, 2022** the Department of Electronics and Instrumentation Engineering of **Bangalore Institute of Technology, Begaluru**, conducted a faculty development program on Wireless Sensor Networks and IoT. Prof C Murali, DFIETE and Former Vice-President IETE, New Delhi was the Chief Guest and key note speaker. He gave a broad picture of IoT for a smart world which included the smart city project implemented based on the IoT Technology and varies from homes, buildings, different areas, city to city and country to country and Dr C V Ravishankar, Vice Chairman, IETE Bangalore gave introduction to IoT and its applications in the vast areas. He also briefed about how IoT works, general IoT structure, focused on few facts of IoT devices and how IoT market in the country is poised to reach US\$ 25 billion by 2024, accounting for 10 percent of the global industry. He also informed about IoT in buildings & construction, IoT in energy, IoT in consumer & home, IoT in Retail etc.
- The **ISF** in the department of ECE, **Perumal Manimekalai College of Engineering – Hosur**, was inaugurated on **May 10, 2022** by Prof H S Bhatia, Immdt Past Chairman, Bangalore IETE Centre who was the Chief Guest. The Guest of Honour Prof C Murali, DF and Former Vice - President, IETE delivered a technical talk on ‘Intelligent Connectivity’. Dr V Vijaya Kumari, HoD, ECE gave the welcome address. Principal Dr S Chitra delivered the presidential address.
- **ISF at Dept of ECE, Mohamed Sathak A J College of Engineering, OMR, Chennai**, organized a seminar on “Sand to Smartphone”. The event was graced by Shri Siva Kumar S Nadarajan, senior business unit manager Carsem (M) SdnBhd-S Site, as the chief guest on **May 14, 2022**.
- **ISF at Dept of ECE, Sri Sairam Institute of Technology, West Tambaram, Chennai**, organized the World Telecommunication and Information Society Day celebration



on **May 17, 2022**. The chief guest Shri S Arunsundar, Scientist D, Combat Vehicles Research & Development Establishment (CVRDE) Avadi, spoke on 'IoT and Architecture.'

- Shri S Arunsundar, Scientist D, Combat Vehicles Research & Development Establishment, Avadi was the resource person for webinar on 'Sensor Technology' organized by **ISF at Dept of ECE, Aarupadai Veedu Institute of Technology, Paiyanoor, Chennai** on **May 17, 2022**. Dr Tata Sudhakar, Scientist, G, NIOT, Chennai & past chairman Chennai Centre was chief guest at Technical Symposium 'INNOVAVIT 2022' held on **June 8-9, 2022**.
- **IETE Students' Forum of Mepco Schlenk Engineering College, Sivakasi**, conducted a workshop on "PCB Design and its Fabrication" during **May 18-19, 2022**. ISF organized a guest lecture on "Never have lunch alone" on **July 29, 2022**, which was inaugurated by Dr R ShanthaSelvakumari, Senior Prof & Head, ECE Department, Mepco Schlenk Engineering College, Sivakasi. Faculty advisors Dr A Kamaraj, Assoc Prof/ECE & Mrs V Gnanalakshmi, AP/ECE arranged the session. ISF members Shri B Dhinesh Krishnan welcomed and Ms V Kavya Varshini introduced the guest speaker.
- The **ECE Dept of Sri Venkateshwara College of Engineering, Bengaluru**, organised a one-day hands on workshop on "Career Opportunities in VLSI & Embedded Systems Industry" for the benefit of both 6th and 8th Sem students of ECE branch on **May 20, 2022**. The resource persons Shri Arun John Mathias and Shri Pronadeep Bora were from CoreEL Technologies, Bengaluru. Dr Jijesh J J, HoD I/C, ECE briefed about benefits of the workshop. Dr Nageswara Guptha M, Principal delivered the presidential remarks. Prof Prakasha G, Registrar and SVCE-ISF Coordinator expressed his past experience with the CoreEL Technologies and Sandeepani. A one-day technical seminar on "Physical Design—Current Trends and Career Opportunities" was organized on **June 04, 2022** for the benefit of both 6th & 8th Sem students of ECE branch. The resource persons Sri Akshara Murali, Lead Engineer and Sri Manjunath G Kadashetti, were from Frenus Technologies, Bengaluru. Dr Jijesh J J, HoD I/C, ECE; Dr Nageswara Guptha M, Principal; Dr Poornima G R, Dean Academics; Prof Prakasha G, Registrar, SVCE and SVCE-ISF Coordinator shared their views during the event. Dr Sunilkumar K N, Prof Santoshkumar S, Prof Sarala T, Prof Jayalakshmi N and students from department of ECE, coordinated for the event.
- **ISF at Government Residential Women's Polytechnic, Latur** was inaugurated on **May 21, 2022** by Dr Ratnadeep R. Deshmukh, Professor, Dept of CSIT, Dr BAM University, Aurangabad. Shri AS Laturkar, HoD (ET) was the Convenor assisted by Co-convenors Mrs KG Giri, lecturer & Mrs SH Chincholkar, lecturer. Dr AM Agarkar, Principal, Govt Residential Women's Polytechnic, Latur, congratulated the newly appointed office bearers of ISF and wished the students to explore newer aspects in technological field. Techno-Galaxy 2021-22, the departmental annual technical magazine was released on the day. Prior to the inauguration a technical poster presentation competition was arranged on **April 28, 2022**. Ms Shraddha Biradar and Ms Preeti Gurav bagged the first prize.
- **ISF at Dept of ECE, SRM Institute of Science Technology, Vadapalani Campus, Chennai**, organized a Faculty Development Program on 'Machine learning & optimization techniques using Matlab' from **May 23-28, 2022**.
- **ISF at Dept of ECE, Easwari Engineering College, Chennai**, organized 'Pragyotsav Inception 2K2' on **May 26, 2022**, which was graced by Dr Kalarical Janardhanan Sreeram, Director, CSIR-CLRI, the chief guest.
- **ISF** was inaugurated at **Govt Polytechnic, Chhota Udaipur, Vadodara**, with Shri Vasim Ghanchi as a coordinator and current students' strength of 41 students in **June 2022**.
- The **Dept of ECE at Paavai Engineering College, Namakkal, Tamil Nadu**, in association with ISF organized an Electronics Club event namely 'Electro Vision' on **June 02, 2022**. Dr T Arunkumar, Head of the Dept, Bio Medical Engineering, Paavai Engineering College was the chief guest. ETE. Dr R Mohana Priya, Assoc Professor and Shri S Satheesh Kumar, Electronics Club coordinators along with student coordinators S Sathya Narayanan from final year, G Anbarasan from third year and Kannan from Second year ECE organized the event. N Nirmala, third year ECE welcomed attendees. Dr M Sudha, Head of the ECE Dept, stressed the importance of government examinations such as IES and others event had two-rounds: Logo identification and its Inventions followed by 'Picture Grab' and 'Spot the Parts', where participants expressed views about various Logo's in the normal day-to-day life. Ajay S & David Prakash M from second year CSE and Kishore Sankar RG & Gokulraj PS from third year Mechanical got the first place. Shri S Sathish, faculty coordinator of IETE, faculty members from ECE and event coordinators and other members of electronics club attended. The ECE Department organized a hands-on training on 'Chip Level Testing and Debugging for Smart phones and Tablets' during **May 18-19, 2022** in association with IETE and New Technology Mobile



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WEBINAR ON
CAMPUS TO CORPORATE- TRANSITION ,
INSIGHTS OF WORKPLACE CULTURE, TECHNOLOGIES

Debarati Mitra
 Associate Consultant
 Capgemini Technology Services
 #AlumniNIT

19th February, 2022
4.00 PM Onwards

Organized by
 IETE Students' Forum NIT Agarpara,
 Electronics and Communication Engineering,
 Narula Institute of Technology

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Service & Training Institute, Coimbatore. Shri S Loganathan, Asst Professor welcomed attendees. Shri T Dhivakaran, third-year ECE introduced the chief guest. Resource person, Shri B Krishnakumar and his team conducted the workshop by using equipment for testing smart phones. Problem identification of smart phones and their rectification were explained. An MoU was signed between New Technology Mobile Service & Training Institute, Coimbatore and Paavai Engineering College, Namakkal. Ms K Sowmiya (III Yr ECE) proposed vote of thanks.

- ECE Dept, **IETE Students' Forum (ISF)**, IEEE and IIC of **Sri Ramakrishna Institute of Technology (SRIT), Coimbatore** held a webinar, 'Microcontrollers-ESP 32' on **June 6, 2022**. Dr AN Jayanthi, Assoc Professor, ECE Dept organized the event. Shri S Munaf Asstt Prof (Sr Gr) ECE, welcomed attendees. Dr AN Jayanthi, Coordinator introduced the Chief Guest, Shri Michael Britvin, Electrical Engineer and Researcher, Kinematic & Computational Geometry Laboratory, Ariel University, Israel. Meir Buskila, Professor, Ariel University, Israel, **helped in the arrangements of the program**. Shri S Thiyagarajan, Asstt Prof, ECE proposed vote of thanks.
- ISF at Dept of CSE & ISE of **Sambhram institute of Technology, Bangalore**, conducted a 5-day FDP program on "Cyber Security & Ethical Hacking" during **June 6-11, 2022**. The Chief Guest for the Inauguration function was Shri Samarth Bhaskar Bhat, Technical Director, Reverse Engineering INFOSEC. The Guest of Honour was Dr C V Ravishankar, Vice Chairman, IETE Bangalore. The program was presided over by Dr John Peter, HOD-CSE and the program was coordinated and conducted by Dr Latha P H, HOD-ISE. The session talk on "Cyber Forensics" was given by Dr Ravishankar. On **June 09, 2022**, IETE-SAIT Student Chapter, Institution Innovation Cell -SAIT and Dept of ECE of **Sambhram Inst of Technology**, conducted a webinar event on "Awareness program on IPR" by AICTE-KAPILA, around 449 students attended the event. On **June 14, 2022**, IETE – SAIT student chapter and Dept of ECE, **Sambhram Inst of Technology** in association of Centre of Excellence in Aerospace & Defence(COEA&D) conducted one day orientation program on "Aerospace & Defence". The Dept of ECE & IETE –SAIT Student chapter of **Sambhram Institute of Technology** in association with IETE – Bangalore, conducted a National Level Students Project Competition PRATHIRA-2022 on **June 27, 2022**.
- A guest lecture took place on **June 8, 2022** at ISF of **BVRIT, College of Engineering for Women, ECE Department,**

Hyderabad, in conjunction with IETE. Er Nuli Namassivaya spoke to second-year ECE students about NAVIC- An Indian Navigation System (A & B sections). He discussed the United States' GPS System and India's NAVIC. He also discussed the GPS System's limitations and how the Indian navigation system overcomes them. In spite of the fact that the Indian navigation system is still in the testing phase, it is anticipated that Indians will utilize it in the near future. He also gave certificates for the IETE student forum to IETE members. Together with Vertulonix, a two-day workshop on the Internet of Things (IoT) was held on **June 29 and 30, 2022**. This workshop was attended by 76 students from II ECE. There were 11 groups of 76 students. This event was put on by Dr Anwar Bhasha Pattan, who is in charge of ECE, and G Siva Sankar Varma, who is an assistant professor in ECE. On the first day, instructors talked about the basics of Embedded systems, Microcontrollers, Microprocessors, Node MCU, Sensors, etc. Later, they showed a few projects that used IOT to automate homes. Also showed how to install software like Arduino IDE, keil, and Proteus and gave hands-on practice with how to use them. On the second day, students did a simple project with Arduino, sensors, and a WiFi module. They also learned how to update the project data on thingspeak.com. At the end of the meeting, there was a fun quiz in which prizes were given to 3 teams.

- The Department of ECE at **Aditya College of Engineering and Technology, Suranpalem, Andhra Pradesh**, organized a one-day program on **Antenna and Wave Propagation & IETE Membership Awareness Program** on **June 14, 2022**. Mrs Y Alekhya, Asst, Prof ECE started with welcome remarks. The dignitaries present were Prof Dr RV Krishna, HOD-ECE/ACET, Prof Dr D Kishore, Prof ECE/ACET, Prof Dr TS Karthik, ECE Dept & IETE Coordinator /ACET and the speaker of the day Dr (Mrs) K Ramadevi, Asst Prof, ECE Dept, JNTUK, Kakinada, Secretary-cum-Advisor, IETE Sub centre, under the Vizhag section. Dr RVV Krishna, HOD, ECE/ACET made opening remarks. He highlighted the applications of Antenna and Wave Propagation. Prof Ramadevi gave examples of antenna modules of various morphologies developed in their university lab and work efficiently for real time projects as well as wave propagation. The expert was felicitated by Dr NV Lalitha, Assoc Prof ECE, on behalf of the **IETE student's chapter - ISFC290**. Prof Dr TS Karthik, Prof, ECE Dept & IETE Coordinator.
- **ISF at Gopalan College of Engineering and Management, Bangalore**, organised the two-day programme "GETOCS V2.0 TECH FEST-2022 and IETE Student's Forum" on **June 16-17, 2022**. Sri C Satyanandan, Chairman, IETE Bangalore

was the Chief Guest and inaugurated the event. Prof C Murali, DF and Former Vice President was the Guest of Honour and he gave a technical talk.

- On **June 20, 2022**, Prof C Murali, DF and Former Vice President, gave a technical presentation at **Raja Reddy Institute of Technology in Bengaluru** on '5G and thinking towards 6G'.
- IETE Pune Centre enrolled a new college as **ISF Nutan**

Maharashtra Institute of Engineering & Technology, Talegaon, Samarth Vidya Sankul, Vishnupuri, Talegaon Dabhade, **Pune** under its fold on **June 24, 2022**.

- **ISF at Dept of ECE, Hindustan Institute of Technology & Science, Chennai** organized a three-day FDP on "System Design using PADS and TANNER EDA software tools" by experts of CoreEL Technologies, Bangalore on **June 30, 2022**.

Wireless, Antenna & Microwave Symposium (WAMS) 2022

Wireless, Antenna & Microwave Symposium (WAMS) 2022 is a multi-disciplinary symposium held successfully during June 5-8, 2022 at **NIT Rourkela**. It was an event for students and young professionals that didn't cost much. All of the students who came had free places to stay. Also, about 30 travel grants were given out, and all meals were free. The registration fee for students was only Rs. 3000.

Prof Saifur Rahman, IEEE 2022 President-Elect, delivered the inaugural address, and keynote talks by **Dr S Christopher** (former DRDO Chairman and Defence Secretary), **Shri C S Rao** (President & CEO of Quad Gen), **Dr Nacer Chahat**, IEEE Fellow (NASA/JPL, USA), and **Prof Mona Jarrahi**, IEEE Fellow (UCLA), inspired the audience. It also included WiE, YP, 5 invited talks, and a student activity session. A total of 176 papers were presented, and around 160 people attended in hybrid format. The inaugural WAMS 2022 was a tremendous success. Many thanks to CMI, IEEE APS, QuadGen, IETE, Altair, Entuple, S. Rao, and DRDO, among others.

WAMS 2022 presented 56 awards, comprising 19 technical field awards, 30 travel grants, and 7 student activity awards with a financial value surpassing Rs 4 Lacs to undergraduate, graduate, and

PhD students. This is unparalleled among conferences and symposia, including premier IEEE conferences. In addition, 70 new IEEE students were recruited, and WAMS paid their initial membership dues.

Dr Sudhakar Rao conceived and founded WAMS. **Prof Subhashini Ratna** of NIT Rourkela and her local organisation made an exceptional job in ensuring the success of WAMS 2022. All NIT Rourkela student volunteers deserve credit for designing and maintaining the website, arranging lodging for guests, and, most importantly, tackling the difficult challenge of coordinating talks in hybrid mode while handling A/V responsibilities. Several students were inspired to seek further education in engineering as a result of the positive student feedback. For the upcoming symposium **WAMS 2023**, which **will be held in June 2023 at NIRMA University, Ahmedabad**, under the direction of **Prof Dhaval Pujara**, all attendees stated that they will be more involved with papers and other volunteer activities.

In conclusion, WAMS 2022 was the first conference in India and possibly the entire world that prioritised and catered to students in every way. **Congratulations to the WAMS 2023 organising group and Professor Subhashini Ratna in particular!**





New IETE Members Enrolled/Upgraded during Jan 2022 to August 2022

S.N.	MEM	CAT	Name	S.N.	MEM	CAT	Name	S.N.	MEM	CAT	Name	S.N.	MEM	CAT	Name
1	503316	A	Kaushesh, Anuj	79	503023	AM	Tatarao D	157	170133	F	Kumar,Rajesh	235	502881	F	Naveen Babu G,Dr
2	082311	AM	Rajesh Anand	80	503024	AM	Siva Prasad,S	158	174385	F	Pandey,Amritanshu,Dr	236	502882	F	Pawar,Vijaya Rahul,Dr
3	137236	AM	Kushwah, Ashish Singh	81	503025	AM	Phanimala T	159	174544	F	Pawar,Sunil Nilkanth,Dr	237	502883	F	Thirupathi N
4	188515	AM	Mukesh Kumar Dehariya	82	503026	AM	Kiran V	160	176025	F	Ajay Kumar,Gp Capt	238	502884	F	Valarmathi K,Dr
5	188731	AM	Singh, Rana Ranjeet	83	503027	AM	Lakshmi K	161	176329	F	Rout,Dillip,Dr	239	502885	F	Usha Rani,P
6	190505	AM	Singh,Ajay	84	503028	AM	Kumar Eddy,M V	162	177263	F	Madhusudhan Rao,K	240	502886	F	Swetha S
7	193326	AM	Arun Kumar	85	503029	AM	Sugandhi Naidu Y	163	177286	F	Ahmed,Faruq	241	502887	F	Usharani G
8	196100	AM	Jani, Abhishek	86	503030	AM	Sekhar Kotikalapudi C	164	177852	F	Renuka Devi S M,Dr	242	502888	F	Srilatha G
9	197686	AM	Ravi Kant Yadav	87	503031	AM	Bokka,Jagadeesh Babu	165	181408	F	Chavan,Shankar Dattatray,Dr	243	502889	F	Madhavi G,Dr
10	198632	AM	Dheeraj Kumar	88	503046	AM	Veerakiranmayi C	166	182426	F	Sharma,Avnesh Kumar	244	502890	F	Praveen Kumar Reddy,Y,Dr
11	200886	AM	Dharmendra Singh Yadav	89	503047	AM	Divya Madhuri K	167	183807	F	Suresh A,Dr	245	502891	F	Praveena S,Dr
12	200948	AM	Vijendra Kumar Kashyap	90	503048	AM	Sri Prakash N	168	183840	F	Sharma,Vijay Kumar	246	502892	F	Devaraju V S N Kumar
13	209923	AM	Suresh Chand	91	503092	AM	Suprith Kumar K S	169	189168	F	Singh,Krishna,Dr	247	502893	F	Golham,Solomon J Vidya,Dr
14	214519	AM	Deepak N	92	503093	AM	Jain,Tamanna	170	189174	F	Punnam Chandar K,Dr	248	502894	F	Snehalatha J
15	214536	AM	Maharani Kumari	93	503094	AM	Shrisha M R	171	190380	F	Bhardwaj,Mamta	249	502895	F	Sreedhar T
16	219098	AM	Chandani Kumari	94	503095	AM	Eesha D	172	190465	F	Yaganti, B V S Siva Prasad	250	502896	F	Santhi D,Dr
17	219546	AM	Kasheenathasa C Kalaburgi	95	503145	AM	Kumar,Malla Kishore	173	198515	F	Teriapu,Sudheer Kumar,Dr	251	502897	F	Femina, M A
18	222978	AM	Ravi Prasad Gupta	96	503146	AM	Varma, A S N	174	198821	F	Rani,Jyoti	252	502898	F	Roy,Binoy Krishna,Dr
19	228312	AM	Avjit Manna	97	503147	AM	Bhakare,Pradip Ramesh	175	201879	F	Sridevi G,Dr	253	502899	F	Suresh Babu K
20	228339	AM	Ganji Mayank Sharad	98	503148	AM	Keren Evangeline I	176	201897	F	Ahuja,Amit Kumar,Dr	254	502900	F	Nandhini V L
21	230055	AM	Pawana Kumari	99	503149	AM	Patil,Ashwini R	177	201906	F	Suresh G,Dr	255	502901	F	Jagannadham D,Dr
22	231599	AM	Kashyap, Anushka	100	503150	AM	Zanwar,Kalyani Suyog	178	201909	F	Bujibabu P	256	502902	F	Prasuna, V N P,Dr
23	233578	AM	Pushkararao Y	101	503151	AM	Bhutada,Rahul M	179	208210	F	Mukherjee,Soumen	257	502903	F	Ravi A,Dr
24	235277	AM	Singh,Bhanu Pratap	102	503152	AM	Parkhede,Vrushali R	180	208793	F	Errabelli Ram Mohan Rao	258	502904	F	Kumar,Deval
25	237037	AM	Keerthana M	103	503153	AM	Tadam, Neha S	181	210575	F	Rajeswari A,Dr	259	502905	F	Arun M,Dr
26	237045	AM	Mahesh Verma	104	503154	AM	Muley,Jayshree D	182	210587	F	Kulkarni Pramodkumar H,Dr	260	502906	F	Shaik, Fayaz Ahamed,Dr
27	237050	AM	Singh,Ankit	105	503155	AM	Kamble,Aayushree G	183	210588	F	Jolad,Bhuvaneshwari M	261	502907	F	Vijayasankar A,Dr
28	238083	AM	Sanam Nageswara Rao	106	503156	AM	Khan,Rameez Rasheed Ali	184	210589	F	Bhowmik,Mahua Sumit,Dr	262	502908	F	Nagaraju Naik M,Dr
29	238118	AM	Nallapaneni Navya	107	503157	AM	Rasal,Priyanka Wamanrao	185	210596	F	Mithra,V,Dr	263	502909	F	Srinivasa Rao,P,Dr
30	238243	AM	Rana,Shweta	108	503158	AM	Walmikee S Dnopte	186	211884	F	Subba Rao,C,Dr	264	502910	F	Janardhana Rao,B
31	238425	AM	Singh,Diwakar	109	503216	AM	Jundale,Poonam Abasaheb	187	211921	F	Karthik, T S,Dr	265	502927	F	Sankaran M
32	238503	AM	Mohammad Shafiulla	110	503217	AM	Shweta S M	188	212152	F	Rayudu,Venkata Vijaya Krishna,Dr	266	502928	F	Kavitha N
33	238528	AM	Singh,Manoj Kumar	111	503218	AM	Nirupama	189	215186	F	Mantri,Dnyaneshwar S,Dr	267	502929	F	Lakshmi M
34	238537	AM	Singh,Jitendra	112	503219	AM	Harsoor,Jyoti Vilas	190	215268	F	Samuel Manoharan J,Dr	268	502930	F	Chandra Sekaram B,Dr
35	502924	AM	Sharma,Varun,Dr	113	503220	AM	Kantikar,Shivaleela S	191	216337	F	Bhise,Suvarna Ranjeet,Dr	269	502931	F	Padmaja C,Dr
36	502925	AM	Venkatachalam,K,Dr	114	503221	AM	Pujari,Sushma S	192	216375	F	Srivastava,Kumar Vaibhav,Dr	270	502932	F	Srivalli G,Dr
37	502926	AM	Channaveeramma E	115	503295	AM	Hemalatha R	193	217117	F	Hariprakash R,Dr	271	502933	F	Joshua Kumaresan S,Dr
38	502940	AM	Bhargavi S Chinchmalatpure,Dr	116	503296	AM	Kanchana K,Dr	194	217195	F	Madhusudhan K N,Dr	272	502934	F	Rewatkar,Rajendra M,Dr
39	502941	AM	Garg,Divanshu	117	503297	AM	Kavitha S	195	218553	F	Fayas A	273	502935	F	Unni K N Narayanan,Dr
40	502952	AM	Krishna M	118	503298	AM	Shanmathi,R V	196	223315	F	Borra,Surya Prasada Rao,Dr	274	502942	F	Dubey,Rajesh Kumar,Dr
41	502985	AM	Tiwari,Suchitra	119	503315	AM	Rajimon P P	197	224710	F	Joshi,Sandeep,Dr	275	502943	F	Patidar,Vinod,Dr
42	502986	AM	Jha,Sumit Kumar,Dr	120	503340	AM	Chanda,Laxmana Sudheer	198	224721	F	Pachauri,Atul	276	502944	F	Goel,Sanket,Dr
43	502987	AM	Lakhani,Kanika,Dr	121	503341	AM	Jaiswal,Komal,Dr	199	224880	F	Rama Krishna A,Dr	277	502945	F	Sinha,Shruti
44	502988	AM	Kiranmayi Sridhara, S V	122	028557	F	Dinesh Pratap	200	224881	F	Vijayasri,Bolisetty V,Dr	278	502946	F	Sinha, Santanu
45	502989	AM	Surendranadh J	123	058904	F	Rai,Anil Kumar,Dr	201	224884	F	Lalitha N V,Dr	279	502947	F	Sai Krishna K,Dr
46	502990	AM	Kaivalya M	124	060997	F	Patra,Sarat Kumar,Dr	202	224905	F	Kishore D,Dr	280	502948	F	Jayasree R
47	502991	AM	Venkata Ramana,K	125	084570	F	Sharma,Samir	203	225108	F	Madhusudhana Reddy,B,Dr	281	502949	F	Nema,Rajesh Kumar,Dr
48	502992	AM	Durga Chandramouli Y	126	099342	F	Aggarwal,Pawan Kumar	204	228558	F	Naganjaneyulu P V,Dr	282	502950	F	Shruthi N
49	502993	AM	Dhanalakshmi Bhavani M	127	101315	F	Mukhopadhyay,Mainak,Dr	205	228908	F	Dakey,Sudhir N Rao	283	502959	F	Rajasekhar K,Dr
50	502994	AM	Rajpoot,Vivek,Dr	128	105693	F	Koti Lakshmi,P,Dr	206	230122	F	Chaurasia,Vijayshri,Dr	284	502960	F	Shukla,Sangeeta,Dr
51	502995	AM	Sattibabu G	129	107132	F	Manoj Kumar M K	207	232614	F	Chakravarthy,Lade Srinivasa,Dr	285	502961	F	Dasgupta,Mou,Dr
52	502996	AM	Siddani,Durga Prasad	130	110698	F	Das,Saunmya,Dr	208	232696	F	Srivastava,Shweta,Dr	286	502962	F	Bhattacharjee,Pratik
53	502997	AM	Jayaram Kumar K	131	116317	F	Varghese,Raju	209	234235	F	Ghosh,Biswajit,Dr	287	502963	F	Paul,Geenu,Dr
54	502998	AM	Swarnalatha P	132	124348	F	Saravanakumar K	210	234429	F	Bhandari,Sheetal Umesh,Dr	288	502964	F	Burman,Samar Lakhikanta
55	502999	AM	Srinivasa Rao,J	133	128264	F	Pradeep R,Dr	211	234487	F	Mohammad Habibulla,Dr	289	502965	F	Awasthi,Lalit Kumar,Dr
56	503000	AM	Siddique,Abu Bakar,Dr	134	129098	F	Kumar,Rajesh	212	235363	F	Garg,Pourush	290	502966	F	Ghosh,Debadityo
57	503001	AM	Bhupareddy P	135	129100	F	Mallik,Manas Kumar	213	235787	F	Tiwari,Shrikant,Dr	291	502967	F	Rama Devi B
58	503002	AM	Balaramakrishna,K V	136	130045	F	Harsha Anjanappa	214	235909	F	Bagwari,Ashish,Dr	292	502968	F	Mukherjee,Subhamita,Dr
59	503003	AM	Mamathadevi P.	137	131155	F	Tiwari,Mukesh Kumar	215	236541	F	Singh,Paramdeep	293	502969	F	Pan,Indrajit,Dr
60	503004	AM	Ketha,Mahesh Babu	138	135071	F	Sharma,Ankur	216	236705	F	Ramesh Chandra K	294	502970	F	Thota Sravanti
61	503005	AM	Manoj C	139	135254	F	Vikram Kumar	217	237114	F	Mani, Sarun	295	502971	F	Dasharath,N
62	503006	AM	Vijaya Kumari K	140	136925	F	Panda,Nimesh Kumar	218	237261	F	Rajpurohit,Bharat Singh,Dr	296	502972	F	Malik,Mandeep,LI Col
63	503007	AM	Srinivas Y	141	137443	F	Kalyan, M N	219	237755	F	Sarkar,Angsuman,Dr	297	502973	F	Nagamani K,Dr
64	503008	AM	Umaphanendra Kumar C	142	141355	F	Baruah,Rup Jyoti	220	500203	F	Kirange,Dnyaneshwar K,Dr	298	503042	F	Vhatkar,Dattatraya Shiving,Dr
65	503009	AM	Lakshminarayana T	143	143162	F	Sablock,Pankaj	221	500570	F	Upadhyay,Prabhat Kumar,Dr	299	503043	F	Mallikarjuna Rao Y,Dr
66	503010	AM	Padmaja Rani T	144	144426	F	Sreelakshmi K,Dr	222	500868	F	Chaitanya S M K	300	503044	F	Vyas,Ajay Kumar,Dr
67	503011	AM	Himaja T	145	149756	F	Rajesh Kumar P,Dr	223	501047	F	Samajdar,Dip Prakash,Dr	301	503045	F	Sharma,Rohit Yogendra,Dr
68	503012	AM	Sudheer Kumar Reddy M	146	150520	F	Priya E,Dr	224	501301	F	Sengupta,Anirban,Dr	302	503072	F	Murali M,Dr
69	503013	AM	Hima Binu K	147	152195	F	Hans,Manoj R,Dr	225	501923	F	Sahoo,Manodipan,Dr	303	503073	F	Rajan B,Dr
70	503014	AM	Suma K	148	158174	F	Jagadeeswaran L	226	502064	F	Banerjee,Snehasis	304	503074	F	Nirmala Devi L,Dr
71	503015	AM	Madhu Manikya Kumar,M	149	160240	F	Sharma,Hitesh Kumar	227	502745	F	Malty,Santanu,Dr	305	503075	F	Aiyappan
72	503016	AM	Pandiri,Jhansi	150	160417	F	Raval,Bhavinkumar P	228	502804	F	Patil,Sarika Atul,Dr	306	503076	F	Gupta,Vinsh
73	503017	AM	Satyanarayana Raju M	151	160422	F	Sachdeva,Ravi	229	502875	F	Shekar Goud,D	307	503077	F	Karuna Kumari K,Dr
74	503018	AM	Ragunath M	152	163502	F	Arora,Puneet	230	502876	F	Sandhya R,Dr	308	503083	F	Vasanthalakshmi M,Dr
75	503019	AM	Kalesh Busa	153	164562	F	Verma,Vinsh	231	502877	F	Kumar,Shiv	309	503084	F	Kammani B,Dr
76	503020	AM	Sangeeth Kumar K	154	165693	F	Sudhindra K R,Dr	232	502878	F	Tomar,Vinod Kumar	310	503085	F	Srinivasa Rao N,Dr
77	503021	AM	Krishna Mohana,T	155	169881	F	Ranganadham D,Dr	233	502879	F	Suganya Devi K,Dr	311	503086	F	Manjunath P S,Dr
78	503022	AM	Janaki Devi Ch.	156	170024	F	Viraktamath S V,Dr	234	502880	F	Jignesh N Sarvaiya,Dr	312	503087	F	Hegde,Rajeshwari M,Dr

A = Associate

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	S.N.	MEM	CAT	Name
313	503088	F	Balachandra K,Dr	395	503334	F	Choudhary,Vikas Kumar,Dr	477	503099	M	Sowmya S	559	503249	M	Tadkal,Sharanbasappa
314	503089	F	Geetha P,Dr	396	503335	F	Mallickarjun P Y,Dr	478	503100	M	Harshitha B	560	503250	M	Basaveshwari
315	503090	F	Raja Sekhar M V	397	219688	M	Srinivasan,M	479	503101	M	Rajanikanth K N,Dr	561	503251	M	Nagaraj V
316	503091	F	Patil,Annapurna P,Dr	398	235128	M	Buragohain,Rantu	480	503102	M	Veena M B,Dr	562	503252	M	Sharma,Ankit,Dr
317	503096	F	Kumaratharan	399	500774	M	Mahato,Bidyut,Dr	481	503103	M	Vasundhara Patel K S	563	503253	M	Dhinakaran M
318	503097	F	Mishra,Geetishree,Dr	400	500934	M	Pindoriya,Rajesh M,Dr	482	503104	M	Murthy,Jayanthi K,Dr	564	503254	M	Vaani A
319	503130	F	Maity N P,Dr	401	501469	M	Rai,Dheeraj Kumar	483	503105	M	Arathi R Shankar,Dr	565	503255	M	Kausar Jahan
320	503131	F	Harish V Mekali	402	502714	M	P Pavan Kumar	484	503106	M	Rajath V	566	503256	M	Santhana Mari,G,Dr
321	503134	F	Rajendra Prasad K,Dr	403	502911	M	Singh,Surendra,Dr	485	503107	M	Anantha Sunil M,Dr	567	503257	M	Patil,Vilaskumar M,Dr
322	503135	F	Senthil Kumar M,Dr	404	502912	M	Pattnaik,Monalisa,Dr	486	503108	M	Nagabhushana B S	568	503258	M	Patil,Anand N
323	503136	F	Mohamed Junad K A,Dr	405	502913	M	Karche,Mhod Mshtga	487	503109	M	Sanjana T	569	503259	M	Patil,Shubangini
324	503137	F	Joselin Jeya Sheela J	406	502914	M	Kaur,Gurpmeet,Dr	488	503110	M	Radha R C	570	503260	M	Reddy,Jagadish N
325	503138	F	Jeyapoomima B	407	502915	M	Lavanya Vaishnavi D A	489	503111	M	Bhavana H T	571	503261	M	Veerendra
326	503180	F	Singh,Neeta,Dr	408	502916	M	Kaur,Baljeet,Dr	490	503112	M	Archana H R,Dr	572	503262	M	Pattanashtetty,Anupama
327	503181	F	Sunitha T	409	502917	M	Sai Kumar,A	491	503113	M	Surendra H H	573	503263	M	Ambika, Dr
328	503182	F	Khajuria,Sumeer	410	502918	M	Arvind C,Dr	492	503114	M	Seshachalam D,Dr	574	503264	M	Math,Laxmi
329	503183	F	Kumar,Manoj	411	502919	M	Suresh Kumar,A,Dr	493	503115	M	Prerana G Poddar,Dr	575	503265	M	Hugar,Sharanamma M
330	503184	F	Sharma,Vandana	412	502920	M	Rajoria,Shweta,Dr	494	503116	M	Jayagowri R,Dr	576	503266	M	Patil,Shipa Shivanand
331	503185	F	Bali,Rajiv Kumar	413	502921	M	Subhashini,K R,Dr	495	503117	M	Ashwini V	577	503267	M	Sharanabasappa R U
332	503186	F	Baldev Raj	414	502922	M	Arora,Swati,Dr	496	503118	M	Pooja A P	578	503268	M	Shivaprasad
333	503187	F	Abrol,Ajay,Dr	415	502923	M	Krishna Mohan,N	497	503119	M	Latha H N	579	503269	M	Kagi,Shivakumar
334	503188	F	Sharma,Bhawna,Dr	416	502936	M	Saniya,Azeem	498	503120	M	Sharma,Ila,Dr	580	503270	M	Machetty,Shantkumari
335	503189	F	Sharma,Sameru,Dr	417	502937	M	Neethashree N R	499	503121	M	Lalitha S	581	503271	M	Sonnad,Shashidhar B,Dr
336	503190	F	Dubey,Subhash Chandar,Dr	418	502938	M	Prakash Y	500	503122	M	Hemavathi	582	503272	M	Sharanabasappa V R
337	503191	F	Sat Dev	419	502939	M	Kumar,Sumit,Dr	501	503123	M	Shachi P	583	503273	M	Biradar,Suresh Kumar
338	503192	F	Pasha,Mohammad Mahaboob	420	502950	M	Sharma,Anand	502	503124	M	Sujatha K	584	503274	M	Korwar,Jyoti Shankar
339	503193	F	Ravi Kumar K,Dr	421	502951	M	Deshkar,Anand Subhashchandra	503	503125	M	Bailey,Kiran,Dr	585	503275	M	Patil,Savitha
340	503194	F	Sridhar G V,Dr	422	502953	M	Jypte,Preethi Elizabeth	504	503126	M	Siddappaji, Dr	586	503276	M	Arjunagi,Shravanakumar,Dr
341	503195	F	Swagna P S,Dr	423	502954	M	Varanasi,Sreekanth Satya	505	503127	M	Snehal A Sawatkar	587	503277	M	Virupakshappa,Dr
342	503196	F	Mukherjee,Shaibal,Dr	424	502955	M	Anju S	506	503128	M	Bangar,Suvarnmalaa B	588	503278	M	Syeda,Asra,Dr
343	503197	F	Siva Prasad B,Dr	425	502956	M	Mohammad Fareed Ahamad	507	503129	M	Rajeev Naik, D	589	503279	M	Jadhav,Ramesh Sitaram
344	503198	F	Malathi S R,Dr	426	502957	M	Gowtham,Dhanarasi,Dr	508	503132	M	Venkataramnam M	590	503280	M	Biradar,Manjula
345	503199	F	Dulhare,Uma N,Dr	427	502974	M	Puri,Nandha Kumar	509	503133	M	Senthil Rajan S	591	503281	M	Hippargi,Praveen Ashok
346	503200	F	Bindu R,Dr	428	502975	M	Shankar P	510	503139	M	Blessy Y M	592	503282	M	Patil,Savita,Dr
347	503201	F	Thota,Vidya Vathi,Dr	429	502976	M	Bavandlalpally Laxman	511	503140	M	Anusha P	593	503283	M	Rangayya
348	503202	F	Srinu P,Dr	430	502977	M	Polu,Balkumar Reddy	512	503141	M	Bhattacharya,Sandip,Dr	594	503284	M	Sugoor,Rekha
349	503203	F	Kurundkar,Gajanan D,Dr	431	502978	M	Vaani A	513	503142	M	Tayal,Shubham,Dr	595	503285	M	Savadi,Anuradha D
350	503204	F	Bhalchandra,Parag,Dr	432	502979	M	Burri,Narendar Reddy	514	503143	M	Athappan M	596	503286	M	Kinagi,Revansiddappa S
351	503205	F	Leela Rani V,Dr	433	502980	M	Venkata Ramana,A	515	503144	M	Renu K,Dr	597	503287	M	Padmavati, Dr
352	503206	F	Suresh S,Dr	434	502981	M	Praveen J	516	503159	M	Nagalakshmi B	598	503288	M	Patil,Annarao V
353	503207	F	Jagadeesh B,Dr	435	502982	M	Mujeebullah, Mohammed	517	503160	M	Pattem Kowmudi	599	503289	M	Mahesh R K
354	503208	F	Aruna Kumari P,Dr	436	502983	M	Anjankumar,Ch	518	503161	M	Shirisha D	600	503290	M	Sharanabasappa A Madival
355	503209	F	Dutta,Simmi,Dr	437	502984	M	Radeep Krishna,R	519	503162	M	Kavitha C	601	503291	M	Patil,Jagadish
356	503210	F	Gandotra,Sheetal	438	503032	F	Mishra,Narendra Kumar	520	503163	M	Sivagnana Subramanian, S P	602	503292	M	Gopikrishnan S, Dr
357	503211	F	Dhingra,Harinder	439	503033	M	Sundaram M,Dr	521	503164	M	Javeed Mohammad,Dr	603	503294	M	Bhalekar,Shruti Sanjay
358	503212	F	Jayashree M J,Dr	440	503034	M	Hussain,Inamul,Dr	522	503165	M	Rojaramani M V S	604	503310	M	Gupta,Sachin Kumar, Dr
359	503213	F	Srinivas Rao,C	441	503035	M	Veerendra Babu,A S S,Dr	523	503166	M	Subhashini K S	605	503311	M	Sharma,Vijay Kumar
360	503215	F	Reddy,C J,Dr	442	503036	M	Ravindra M,Dr	524	503167	M	Varadarajan M K	606	503312	M	Thomas,Neetha Merin
361	503222	F	Kakhandki,Arun L,Dr	443	503037	M	Raman R,Dr	525	503168	M	Shaik,Sultan	607	503313	M	Kulkarni,Supriya P
362	503223	F	Chatterjee,Rajeev,Dr	444	503038	M	Manoj Kumar Reddy K	526	503169	M	Swetha B	608	503314	M	Sawhney,Tinny
363	503224	F	Sreehari R V	445	503039	M	Jaffino G,Dr	527	503170	M	Venmathi V	609	503336	M	Gangaiah Yadav C,Dr
364	503225	F	Hemalatha G,Dr	446	503040	M	Ramesh A,Dr	528	503171	M	Kalyani S	610	503337	M	Sivaprasad L
365	503226	F	Balraju M,Dr	447	503041	M	Uttia S B K Mahalaxmi	529	503172	M	Katiyar,Anurag Kumar	611	503338	M	Jacob,Jisu Lisa,Dr
366	503292	F	Chakraborty,Sourav	448	503049	M	Vishnu Kanth G	530	503173	M	Mehzabeen S M	612	503339	M	Mani Mohan P
367	503299	F	Sharma,Navneet Kumar	449	503050	M	Laxmana Sai,C	531	503174	M	Mathad,Sunil S,Dr	613	G00609	ORG	Kgisi Institute of Technology, Coimbatore
368	503300	F	Singh,Kanika,Dr	450	503051	M	Nageswara Rao M,Dr	532	503175	M	Sreesudha P	614	G00610	ORG	Cmr University, Bangalore
369	503301	F	Saha,Anjit,Dr	451	503052	M	Naresh S V,Dr	533	503176	M	Dasari,Lakshmi Mythri	615	G00611	ORG	Malla Reddy College of Engineering for Women, Medchal
370	503302	F	Dustakar,Surendra Rao	452	503053	M	Sridevi B S	534	503177	M	Monika Sharma D	616	G00612	ORG	All India Shri Shivaji Memorial Society's College, Pune
371	503303	F	Deshmukh,Sujeet D,Lt Col	453	503054	M	Yamini Devi Y	535	503178	M	Archana B T	617	G00613	ORG	Sree Rama Engineering College, Tirupati
372	503304	F	Patki,Tanjua Abhijit	454	503055	M	Srinivasa Rao T	536	503179	M	Mourya,Ashish Kumar,Dr	618	G00614	ORG	Maulana Azad Polytechnic, Solapur
373	503305	F	Sahoo,Sujit Kumar,Dr	455	503056	M	Neeladri M	537	503227	M	Mallickarjun Gachchannavar	619	G00615	ORG	Pallavi Engineering College, Hyderabad
374	503306	F	Mukunthan P,Dr	456	503057	M	Venkatesh N	538	503228	M	Mehta, Richa,Dr	620	G00616	ORG	Dr Ambedkar Institute of Technology for Handicapped, Kanpur
375	503307	F	Vishwakarma,Rahul Lalmani	457	503058	M	Bala Srinivas P	539	503229	M	Maka,Kiran	621	G00618	ORG	Nri Institute of Information Science and Technology, Vishakapatnam
376	503308	F	Dand,Rakesh	458	503059	M	Ayyappa Swamy K	540	503230	M	Shreelata Sappandi	622	G00619	ORG	Mauli Group of Institutions College of Engg and Technology, Bhopal
377	503309	F	Dargar,Shashi Kant,Dr	459	503060	M	Bhagat Kumar,B H K	541	503231	M	Ambalgi,Sujata A,Dr	623	G00620	ORG	Aditya College of Engineering, Shegaon
378	503317	F	Kamat,Rajanish Kamalakar,Dr	460	503061	M	Harichandra Parasid,S	542	503232	M	Kinagi, Archana M	624	G00621	ORG	Gautam Buddha University, Surampallem
379	503318	F	Ramrdug,Sandeep Vishnu	461	503062	M	Santoshkumar Sushant S,Dr	543	503233	M	Nagaveni B Sangolgi	625	G00622	ORG	Shambasva University, Greater Noida
380	503319	F	Kumar,Narendar	462	503063	M	Ajay Sankar, G	544	503234	M	Kaba,Vanita Basavaraj	626	G00623	ORG	Vignan's Institute of Management and Technology for Women, Kalaburgi (Gulbarga)
381	503320	F	Anand M	463	503064	M	Rama Naidu G	545	503235	M	Vishalakshi	627	G00624	ORG	Raja Rajeswari College of Engineering, Hyderabad
382	503321	F	Kumar,Abhishek	464	503065	M	Usandra Babu G	546	503236	M	Patil,Laxmi	628	G00617	ORG	Dadi Institute of Engineering & Technology, Bangalore
383	503322	F	Vinatha U,Dr	465	503066	M	Kondababu A	547	503237	M	Geeta K				
384	503323	F	Aswineshadri K,Dr	466	503067	M	Jagatpati Raiguru,Dr	548	503238	M	Tadakkal,Arunkumar M				
385	503324	F	Kudamble,Basavaraj G,Dr	467	503068	M	Biswajit Karan,Dr	549	503239	M	Patil,Pushpa				
386	503325	F	Gunasekaran K,Dr	468	503069	M	Dineshbabu N R,Dr	550	503240	M	Laxmikant, E N				
387	503326	F	Saroja B,Dr	469	503070	M	Anitha G,Dr	551	503241	M	Nandini P				
388	503327	F	Jayanayudu D	470	503071	M	David V	552	503242	M	Gajare,Soumya				
389	503328	F	Varshney,Anshul,Dr	471	503078	M	Ambika K	553	503243	M	Khanapure,Smita Basavaraj				
390	503329	F	Shreevastava,Ramesh Kumar,Col	472	503079	M	Archana K	554	503244	M	Amruta				
391	503330	F	Gupta,Govind,Dr	473	503080	M	Anushalalitha T	555	503245	M	Patil,Sushma J				
392	503331	F	Senthil Siva Subramanian,T,Dr	474	503081	M	Shreenivas B	556	503246	M	Yenegur,Ashwini				
393	503332	F	Libish T M,Dr	475	503082	M	Pushpavathi K P	557	503247	M	Poornima				
394	503333	F	Choudhary,Arun Kumar	476	503098	M	Kumar,Vikash,Dr	558	503248	M	Medegar,Savitri Lachchappa				

A = Associate

AM = Associate Member

F = Fellow

M= Member

ORG = Organizational Member

Awards & Achievements



Prof Arumuga Perumal (F-192299) Director, Riyasaa Laboratory, a Centre for Innovation in Kottar, Tamilnadu, has been bestowed **Honorary Doctor of Letters (Honorary Causa) (DS c)** by **Crown University International, New York, USA** for his significant services to society.

He has obtained MSc Physics from Madurai Kamaraj University, MS (Software Systems) from BITS Pilani, Rajasthan and PhD (Computer Science) from Manonmaiam Sundaranar University. He serves as a reviewer for numerous international journals and conferences in the fields of image processing and Internet of Things and has authored about a hundred scholarly works. He has extensive research interests including IOT, Network security, Green computing and Image processing. The IETE fraternity extends heartfelt congratulations for this honour and best wishes for his professional success.



Dr M Murugan (F-152177) has taken over as the full-time Principal of SRM Valliammai Engineering College in Kattankulathur, with effect from 20 May 2022.

He has added a new feather to his cap; **congratulations!**

IETE Women Achievers



Prof (Dr) Garima Ghai (F-235696) now serves as dean (Academics) and professor at Oriental University, Indore in the Department of Computer Science and Engineering. She is a senior member of IEEE and a fellow of IETE.

Since 2019 Prof Ghai has served as the treasurer of the IETE Sub-Centre, Indore. In 2010 and 2006, she earned her PhD and Master of Science in computer science and engineering from University of North Texas, USA. In 2004, she earned a Bachelor of Engineering in computer science and engineering from the Rajiv Gandhi Technical University in India. She is the author or co-author of fifteen journal articles and conference publications in computer science and electronics engineering that have been reviewed by experts. Journals like Elsevier Microelectronics Journal and Journal of Low-Power Electronics have published the research articles. The conference papers were presented at conferences such as the ACM Great Lakes Symposium on VLSI and the International Conference on VLSI Design, which were sponsored by ACM and IEEE. She has served as the web-chair for the IEEE iSES conference for two consecutive years (<http://iee-ises.org>) (2020-current). Before joining Oriental University, Indore in 2011, she worked as a software engineer for Sabre Holdings, USA in 2007, then as dean (Academics) for Oriental Group of Institutes, Bhopal in 2008, and as a business analyst for Aperia Solutions, USA in 2011. She was recently elected for a two-year term as the Chairman of the IETE Sub-Centre in Indore.

Message:
Give your best, no matter where you are or what you have.



Dr S Kavitha (F-236493) is a professor and dean of the Department of ECE at Nandha Engineering College (Autonomous), Erode, with more than 2 decades of teaching experience. She holds a Bachelor of Engineering in electronics and communication engineering, a Master of Engineering in applied electronics, and a Doctor of Philosophy from Anna University, Chennai. She is the First Indian to apply machine learning algorithms for 10/66 for the LMIC setting.

Has 23 years of expertise in the field of Teaching. She is a recognized research

supervisor at Anna University, where she has supervised 46 undergraduate and 16 graduate projects. Currently she is guiding four PhD candidates. She served as the coordinator of the National Board of Accreditation (NBA) in 2018 and 2021, as well as the coordinator of the National Accreditation and Assessment Council (NAAC) in 2014 and 2021.

Patents on “A Wheezing Detecting Device,” “Traffic Controlling and Monitoring Using IOT,” “Deep Learning-Based Super Resolution Technique for Cervical Cancer Detection,” and “Touchless Hand Sanitizer Dispenser” have been published.

Message:
Plan to do but never fail to Plan.

Holds the rights to “Solid state electronic devices and materials question bank” for ECE students, “Short questions and answers on electronic devices for engineering students,” “Engineering question bank for ECE (VII & VIII Semester),” “Human Physiology Laboratory manual,” and “Automatic Hand Sanitizer Dispenser.”

She is a reviewer for the journals *Security and Communication Networks*, John Wiley & Sons, Ltd., and *International Journal of Ophthalmology*, China. Serves on the Editorial Board of the journal *Current Electronics and Telecommunications*, which is published in Singapore by PiscoMedpublishing Private Ltd. *Recent Developments in Engineering Research*, Book Publisher International, 2020, has a chapter by her called “Performance Analysis of Nutritional Contents in Food Images Using SARAN.”

Served as Vice Chairperson of the IETE Salem Sub Centre from 2014 to 2016. The IETE Students Chapter was started in 2013. Beginning in 2013, she ensured that the students enroll in IETE each year.

She has been very active in gaining funding from government agencies for the implementation of projects and programs in the best interests of the company she works for.

She is an IETE and IEI Fellow. She was Treasurer, Secretary of the IETE Mysore Centre, and Joint Secretary of the ARDSI Mysore Chapter. She presently holds the positions of Vice-Chairperson of the IETE Mysore Centre and Senior Member of IEEE. She also holds lifetime memberships in KRVP and ISTE.



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Is Organizing

**65th ANNUAL IETE CONVENTION (AIC)
23 - 26 Sept 2022**

Theme

**FRONTIER INFORMATION &
COMMUNICATION TECHNOLOGIES FOR
ATMANIRBHAR BHARAT**

**54th Bhabha Memorial Lecture
&
45th Ram Lal Wadhwa Award Lecture**

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Adjacent: Directorate of PG Admissions Office, OU Campus,
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hyderabad.iete@gmail.com, info@ietehyd.org,

**Venue: Hotel Abode by Shree Venkateshwara
Address: C-1-74, Lakdikapool, Hyderabad-500004**

Website for AIC 2022: www.ietehyd.org

ANNUAL IETECONVENTION 2022 (AIC-2022)

ANNUAL IETE CONVENTION (AIC) is the main flagship conference of IETE which is organized every year to showcase the recent technological developments. Annual IETE Convention (AIC) creates a platform for leading technology experts from Industry, Researchers, Academia, startups & students to exchange their expertise. This conference showcases the recent technological developments in the ICT domain.

This year's AIC is hosted by IETE Hyderabad Centre, one of the IETE leading Centers.

AIC-2022 THEME – FRONTIER INFORMATION & COMMUNICATION TECHNOLOGIES FOR ATMANIRBHAR BHARAT

Information and Communications Technology (ICT) is the convergence of computing, telecommunication and governance policies for information management. ICT is a diverse set of technological tools and resources used to transmit, store, create, share or exchange information. These technological tools and resources include computers, the Internet, diverse communication technologies like fixed or mobile, satellite communications, live broadcasting technologies etc. Information and communications technology (ICT) engineers are developing and creating a virtual world offering new services and new applications using 5G, IOT, AI/ML, AR/VR etc to help people both in their work and their daily lives.

India is using Information and Communication Technologies (ICTs) to leapfrog economic development in key sectors: health, education, infrastructure, finance, agriculture, manufacturing, and perhaps most important, governance. ICTs are being used to deliver critical goods and

services to hundreds of millions of Indians and create a smarter, safer and more sustainable future.

It is imperative to discuss the technological developments in ICT and its applications for the betterment of the society. Hence the chosen theme is very appropriate & timely. The high-level stimulating discussions generated during the symposium will help in developing an effective strategy in the implementation of new developments in ICT technologies.

IETE

The Institution of Electronics and Telecommunication Engineers (IETE) is a leading professional society that was founded in 1953. Its vision is to reach the unreached and empower the youth through technical education and skill development, with a Mission for Advancement of Electronics, Telecommunications, Information Technology, and other related disciplines; and contribute to the nation's human resource and infrastructure development through engineers and scientists. IETE has been recognized as a Scientific and Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India. The Government of India has also designated the institution as an Educational Institution of National Eminence. IETE has 65 Centers, spread all over India including two outside, one at Kathmandu, Nepal and other at Perth, Australia.

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