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**INSTITUTION OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERS
IETE BUILDING, BELLARY ROAD, GANGANAGAR EXTN.**

IETE/BG/AGM/2023

03rd June 2023

AGM NOTICE

Dear Sir/Madam,

**Sub: ANNUAL GENERAL BODY MEETING OF IETE BANGALORE
CENTRE FOR THE YEAR 2022-2023**

On behalf of the Chairman, Dr. C P Dwivedi and members of the Executive Committee of IETE Bangalore Centre, I invite you to the AGM of IETE Bangalore, on Sunday, 18th June 2023 at 10.00 am. The AGM will be held at IETE Bangalore, Bellary Road, Ganganagar Extension, Bangalore-560 032 according to the following Agenda.

Confirmation of the minutes of the last AGM held on 26th June 2022 at 10.00 AM at IETE Bangalore.

1. To consider and adopt the Annual Report of the IETE Bangalore for the year 2022-2023.
2. To consider and approve the Audited Statement of Accounts and Balance Sheet for the year 2022-2023. (www.ietebangalore.org)
3. To appoint auditor for the year 2023-2024.
4. Address by Chairman
5. Open forum for members.

Please Note:

1. The Minutes, Annual Report & Statement of Accounts will be available in our website: www.ietebangalore.org by 10th June 2023.
2. You are requested to send any points/queries for discussion/clarifications in advance, so as to reach the undersigned before 15th June 2023.

(Dr. S G Shivaprasad Yadav)
Hon. Secretary

**AGM PROGRAMME
Sunday, 18th June 2023 at 10.00 AM**

Sunday, 18th June 2023 at Delton Auditorium, Bellary Road, Ganganagar Extn., Bangalore-560 032.

1. 1000-1130: AGM Business Meeting (for members only)
2. 1140-1300: Prof. N S Nagaraja Memorial Lecture
3. 1300-1400: Lunch with spouse

Minutes of Annual General Body Meeting (AGM-2022) held on Sunday, 26th June 2022

The AGM commenced with Vande Mataram at 10.15 am. Honorary Secretary, Dr. S G Shivaprasad Yadav welcomed the members and Chief Guest Capt. TN Pranesh, Alpha Design Technologies, who delivered the Prof. N S Nagaraja Memorial Lecture.

Shri H Ramakrishna spoke about the life and career of Prof. N S Nagaraja and Shri C Satyanandan, Chairman introduced the Chief Guest. The Chief Guest then delivered the Prof. N S Nagaraja Memorial lecture on the topic “New Trends in Radar Technology”.

Shri. Satyanandan thanked Capt. Pranesh and gave his Presidential Remarks.

Dr. M H Kori, Vice President IETE and Editor in Chief of the *IETE Bengaluru Magazine* spoke briefly about the Centre and the Magazine. He requested the Chief Guest to release the fifteenth edition of the magazine, who shared the copies with members on the stage.

The Prof. N S Nagaraja memorial lecture session concluded with the vote of thanks proposed by Shri Ranjeet Kumar, Honorary Treasurer.

AGM Business Session

After a short break the Business session commenced at 12.20 pm with Dr. S G Shivaprasad Yadav, Hon. Secretary welcoming the Members. He requested the Chairman to conduct the AGM.

Mr. C Satyanandan, Chairman, IETE Bangalore asked the Hon. Secretary to take up the first Agenda point. The Minutes of meeting already circulated to all members along with annual report and balance statement was read out by Hon. Secretary.

Chairman requested members to propose adoption of the Minutes. Dr. D G Rao proposed and Dr. D C Pande seconded it. Minutes were adopted.

The Chairman asked Hon. Secretary to present Annual Report 2021-22. Dr. Shivaprasad Yadav presented the details of the activities and decisions taken by the Centre.

Mr. Purushothaman proposed adoption of the Annual Report and Mr. R A Bhagvan seconded. The Annual Report was adopted.

Mr. Ranjeet Kumar, Hon. Treasurer then presented the Annual Accounts and Audited Balance Sheet.

Chairman called for any queries that members had. Dr. T S Jayadeva asked about the process followed in conducting the various short-term trainings and whether it was approved by anybody. Honorary Treasurer replied that all training programs conducted were according to standard practices and the techno commercial reports were presented during the EC meetings in the respective months. Dr. T S Jayadeva re-iterated his queries raised in the previous AGM and was told that they had been answered in the AGM itself and that Accounts had been duly adopted. Honorary Secretary replied to the member that he was welcome to visit the office and have a look at the documents about the process being followed.

Dr K M Sudarshan suggested conducting some activities on VLSI domain like circuits and Simulators as there are a lot of placement opportunities for students in VLSI domain. Honorary Secretary replied, it was a good suggestion and invited Dr. Sudarshan to propose this course for conducting by Bangalore Centre.

Another member suggested including some training activities on Electric vehicles and battery management. Hon. Secretary assured him that those topics would be considered to be included for trainings in those areas.

The member also raised concern about the expenses made for electricity and water charges incurred and suggested to take some alternatives to reduce the expenditure by having solar panels on roof top and saving electricity charges and to minimize water expenses. Honorary Treasurer replied the measures taken such as implementing the Rain Water Harvesting at the Centre. Chairman Shri Satyanandan mentioned the efforts made to restore the BWSSB connection that had been removed some years back.

Dr. Surendra Pal, asked for the details of an item of the expenditure mentioned in the balance sheet, “IRSI award expenses”. Chairman clarified that this was related to the IRSI awards given to the recipients every year as requested by IETE HQ. But sometimes due to the delay

in depositing the cheques by the recipients, entries were delayed and made after March 31st and the expenses may not have been reflected in the balance statement of this year.

Dr. M H Kori mentioned that the balanced statement had not been uploaded on the Bangalore Centre website and though the account statements were sent by emails to all members, they may need some time to raise their queries, due to which the financial statement cannot be adopted immediately and suggested to wait for 3 days to take any queries from any members regarding the accounts/balance statement. Honorary Secretary mentioned the reason for not

being able to upload the annual report and balance statement on the website. As the technical team who were maintaining the website were not responding to any request we had decided to change the vendor for maintaining the webpage. Dr. Kori suggested to the house, that the account statement can be conditionally adopted subject to the condition that any queries given to the treasurer regarding the financial statement received within 3 days should be replied suitably.

Dr. Jayadeva proposed adoption of the Accounts and Balance Sheet. Dr. D G Rao seconded. It was conditionally adopted with the condition that any queries regarding the balance sheet can be sent by the members within 3 days and they will be clarified by the Honorary Treasurer.

The next item being appointment of Auditor for the next year, Hon. Treasurer proposed that we may continue to engage the present Auditor Mr. Lokesh for one more year. Dr. M H Kori suggested discussing it with the new EC team and taking a suitable decision.

In the next agenda point, Honorary Secretary requested Prof. C Murali, Returning Officer, to announce the results of election of Executive Committee Members 2022-2024. Prof. Murali announced the results of the election and congratulated the elected members.

1. Dr. C P Dwivedi	Chairman
2. Dr. S G Shivaprasad Yadav	Honorary Secretary
3. Dr. D G Rao	Honorary Treasurer
4. Dr. C V Ravishankar	Executive Committee Member
5. Dr. K M Sudarshan	Executive Committee Member
6. Dr. Keshava Murthy	Executive Committee Member
7. Mr. Puneet Kumar Mishra	Executive Committee Member
8. Mr. S Purushothaman	Executive Committee Member
9. Sri. K S Ravi	Executive Committee Member
10. Sri. R Prakash	Executive Committee Member

Sl No.1 to 3 are called office bearers of IETE and any two of them are authorized to operate all Saving/Current bank accounts in all the Banks including SBI without fixing any limits.

Then Shri Satyanandan, Chairman for the term 2020-2022 addressed the members. He said that the period was one of excitement and challenges. In spite of the challenges, particularly during the pandemic, we could do many things and appreciated the efforts of the Office Bearers, EC Members and staff. He thanked Mr. Dinesh and other members of the staff for the hard work they put in to make the recent BIS 22 symposium a big success. The Chairman also recalled his moments of frustration and disappointment when things were not moving in the desired manner

and when he expected better moral and physical support and response from IETE Members in general.

Followed by this Dr. C P Dwivedi, Chairman for the term 2022-2024 addressed the gathering and described the plans he had for the immediate future and said that the first priority would be to take up the IICI Conference.

During the last agenda point discussion of ‘open forum’ Chairman Shri Satyanandan mentioned his discussions with the Director LRDE who is Chairman of IRSI Committee and with the Co-Chairman, Director R&D BEL about conducting IRSI and the need to streamline the IRSI Bank Account and bring in openness. He differed with some senior members who were of the opinion that IRSI is not an activity of IETE Bangalore. It was pointed out that Bangalore Centre’s GST and PAN were used for the account and as per a decision taken in the AGM 2017-18 the accounts are to be operated by the Office Bearers. Due to paucity of time the issue was not discussed further at the AGM and it was decided to get the matter thrashed out by the EC Members later.

The AGM concluded with thanks to the Chair.

Date: 26-06-2021

Place: Bangalore

Hon. Secretary
IETE Bangalore



Annual Report 2022-23

On behalf of the Chairman and Members of the Executive Committee I present this Annual Report with pleasure and pride.

Restrictions on account of Covid 19 pandemic continued during the beginning of the year and activities were mostly carried out in the online/Offline mode. However, we allowed utilization of our facilities and manpower for purposes such as conduct of AMIETE and CA examinations, with strict adherence to Covid norms.

Covid affected our training courses also, but we still managed to conduct them. Honorary Secretary was in charge of the training courses.

Some of the online courses that were conducted are listed below:

1. Advanced FPGA Design
2. Embedded Systems & Design
3. MATLAB/SIMLUNIK
4. Python Programming
5. Internships program for BE/B. Tech Students
6. Cyber security
7. AI & ML
8. One Day workshop on EV
9. BEL Trainings and many more.....

Membership of IETE Bangalore

Sl. No.	Membership	2022	2023
1	Corporate Members	1941	2010
2	Associate	13	13
3	Students Members (AMIETE)	42	15
4	Students Members (DIPITE)	02	02
5	Organisation Members	22	24
6	ISF Members	581	3545

The 69th IETE Foundation Day was celebrated on 20th November 2023 in the offline mode with the main program in our auditorium and IETE President and Vice-Presidents graced the event. Thereafter, we conducted the Students' Day and Women's Day in the physical mode only.

IETE Bangalore has been recognized as one of the most vibrant Centres. We ventured last month into holding a 3-day “IETE International Conference of India-2023”, IICI 23, in collaboration with Bharat Electronics Ltd. & C-DoT, IICI- 23 was hailed as the most important technical event conducted by IETE in recent times. The work done by Chairman, Office Bearers and Members of the Executive Committee came in for much appreciation.

We have organized ISF Coordinators Meet and made efforts to enhance their technical activities, besides increasing the number of ISFs connected to us.

As may be seen from the Audited Statement of Accounts, Balance Sheet and Auditor Report included in the Annual Report, we have made every effort to maintain the financial health of the Centre.

Honorable Members, we will not be complacent with our modest achievements. IETE Bangalore has a long way to go to meet the expectations of this august body. We will continue to do our very best.

Technical Activities during the year are as follows:

1. **26-06-2022:** Prof. N S Nagaraja Memorial Lecture was conducted. Captain T N Pranesh I N (Retd.), Alpha Design Technologies was the Chief Guest and he delivered the memorial lecture on '**New Trends in Radar Technology**'.



2.





3. **27-06-2023:** The IETE Student Forum (ISF) of Sambhram Institute of Technology has organized National Level Inter Collegiate Project Exhibition and Competition “**PRATIRA-2022**”. In this event, around 200 students participated from various Engineering Colleges from Karnataka State. Chief Guest Sri. C Satyanandan, Immediate Past Chairman, IETE Bangalore and Guest of Honor, Prof. V Mahadevan, Former Dy. Director, ISRO inaugurated the event.

The program ended with a valedictory function followed by the prize distribution for the all the winners and participants.



4. **27-30 July 2022:** IETE Bangalore conducted a Microstrip Antennas Course for BEL Engineers in hybrid mode at Bharat Electronics Academy of Excellence (BA), Nalanda. Dr. S G Shivaprasad Yadav, Hon. Secretary was the Course Director.
5. **31-07-2022 to 25-09-2022:** Short Term Course on Advanced FPGA Design conducted by IETE Bangalore for Industry Professionals, academicians, and Engineering Students. The sessions were conducted on Sundays by Mr. Padmanabhan, Coreel Technology for 10 Sundays. 15 participated successfully completed the course.

6. **05-06 Aug 2022:** IETE Bangalore conducted an Advanced Radar Course for BEL Executives at Bharat Electronincs Acedemy of Excellence (BA), Nalanda. Dr. D C Pande, Former Chairman, IETE Bangalore was the Course Director.
7. **15-08-2022:** 75th Azadi ka Amrit Mahotsava was celebrated during Independence Day. Prof. N C Shivapraksh (Retd.), IISc, Bangalore was the Chief Guest. A large number of members attended the Independay flag Hoisting Ceremony.



8. **28-08-2022 to 25-09-2022:** IETE Bangalore conducted a one month Internship for Engineering Students on Embedded Systems and IoT Applications. The Internship Inaugurated by Sri. C Satyanandan, Immediate Past Chairman, IETE Bangalore. 90

students completed their internship program from various Engineering colleges from Bangalore, Kolar, Hospate and many other places. The faculties were from C-DAC, C-DoT and other industries. Students completed their hands on practical training at IoT and Embedded lab.

Following topics which were covered during the internship are given below:

1. Embedded Systems and allied topics: ARM Cortex M0 and Architecture Network Protocol etc.
2. Programming and simulations
3. ESP8266 and peripherals and its interfacing
4. IoT and its applications
5. Python programming
6. Raspberry Pi architecture, Peripherals and Programming
7. Data Analytics and many more topics were covered by various experts.



10.17-09-2022: IETE Bangalore organized a **ISF CONGRESS** on Saturday, 17th Sept 2022. Dr. C V Ravishankar invited all the student for competitions.

Part of the Event, following technical activities were conducted for ISF students:

1. Technical Quiz Competition
2. Project Competition
3. Photography Competition etc.

Then IETE Bangalore Celebrated Engineer's Day. Dr. T V Prabhakar, Principal Research Scientist, IISc, Bangalore was the Chief Guest and he delivered a talk on Cyber Security.

Dr. M H Kori, Vice-President and Chairman, TPPC also address the gathering. Presidential remarks delivered by Wg Cdr (Prof.) P Prabhakar, President IETE. He appreciated and thanked the entire Bangalore team for putting very hard effort and made the program a grand success in the short period.



11.18-09-2022: IETE Bangalore organised the IETE Zonal Seminar (South) on Sunday, 18th Sept 2022 on ‘Cyber Forensics and Cyber Security’. Dr. S D Sudarshna, Executive Director, C-DAC was the chief guest, he inaugurated the zonal seminar in the presence of IETE President.

Following Governing Council Members from Bangalore also address the audience.

1. Dr. M H Kori
2. Sri. G Ramesh
3. Prof. H S Bhatia

Presidential address delivered by Wg Cdr (Prof.) P Prabhakar and he wished the event for its grand success.

Part of the seminar, four technical sessions were arranged on various topics, handled by eminent industry experts.

Session-1: Cyber Security in the Metaverse World handled by Dr. Balaji Rajendran himself.

Session-2: Zero Trust Architecture conducted by Dr. Muraleedharan, C-DAC Bangalore C-DAC Bangalore.

Session-3: Ransomware Detection and Forensics delivered by Mr. Gopinath, C-DAC Bangalore

Session-4: A Detailed Practical Demonstration on How Hackers/Cyber Criminals are Looting E-commerce Platforms by Santosh Chaluvadi (CEO, Supraja Technologies) & Naveen Kumar, CTO, Supraja Technologies conducted with hands on session.





12.26-28 Sept 2022: IETE Bangalore conducted a corporate training on ‘Technology Strategic for Strategic Weapons’ for BEL Engineers at Bharat Electronics Academy of Excellence (BAE), Nalanda. Dr. Suryanarayan (Retd.), DRDO Director was the Course Director.

13.05-10-2022: IETE Bangalore celebrated Ayudha Pooja. Wg Cdr H R Parthasarathy, former Chairman, IETE Bangalore & Governing Council Member performed the customary pooja.





14.12-10-2022: A technical talk delivered by Prof. C Murali, DF and Former Vice President, IETE New Delhi at Dayananda Sagar College of Engineering on '**Future Technologies by 2030**' and he motivated them. Prof. H S Bhatia, Former Chairman, IETE Bangalore addressed the students and explained the benefits of ISF and Corporate membership.



15.17-20 Oct 2022: IETE Bangalore conducted Certificate course on "Cambridge English" for LRDE-DRDO. Faculties were from Cambridge University. Mr. Shaik Wajeed, Executive Committee Member and Dr. D G Rao, Hon. Treasurer coordinated the training program. 21 participants completed the same.



16.20-22 Oct 2022: A Corporate training was conducted on **Fundamentals of XR and Its Applications** for BEL Engineers. Mr. Suresh P, PTC Inc., USA was the course faculty.

17.01-17 Nov 2022: The Institute of Chartered Accountant Indian (ICAI) Examinations were conducted. A total 3468 students were allocated to our Centre.

18.03 Nov 2022: An Internship program on Industrial IoT(IIoT) for diploma students were conducted. The duration of program was 07 weeks. Sri. K S Ravi, Jt Secretary inaugurated the course. Sri. Vinay Avanchi was the course coordinated. 16 students were successfully completed the internship training.



19.04-11-2022: A technical talk delivered by Dr. C V Ravishankar, Vice-Chairman, IETE Bangalore at RRIT Bangalore on ‘Career guidance after UG and information about PG (MS. M. Tech, GRE, TOEFL, GATE, JRF)’.



20.20-11-2022: IETE Foundation Day Celebrations report



Meeting with President in President Room



Executive Committee Meeting with IETE President

The 69th ETE foundation day was celebrated at IETE Bangalore on Sunday, 20th Nov 2022. Dr. C P Dwivedi, Chairman, IETE Bangalore welcomed the gathering, he welcomed IETE President, Dr. (Prof.) V Gunasekhar Raddy, Chief Guest, Dr. Venugopal K R, Former Vice-Chancellor, Bangalore University, Past President, Governing Council Member, Senior IETE Fellow Members and Guests & students who were present in large number. Dr. S G Shivaprasad Yadav, Hon. Secretary, IETE Bangalore introduced the chief guest and invited him for a technical theme lecture. Dr. Venugopal K R delivered a lecture on “NEP 2022: A Paradigm Shift in Skill Based Higher Education: Challenges and Opportunities”. Sri. C Satyanandan, Past Chairman had some discussion on the subject, which was clarified by Dr. Venugopal. Dr. C P Dwivedi then introduced the MoU signed between IETE Bangalore and CMR University. He spoke its benefits and then MoU was exchanged between the parties. Dr. Gunasekhar Reddy, President IETE was the witness of the same and he signed also. Former Chairpersons of the Centre felicitated senior members, Prof. C Murali and Sri. Gerge Cleetus. Both members shared their experiences and delivered the motivation talks to encourage the today's generations. Dr. Gunasekhar Reddy, President IETE presided over the function. He thanked all the corporate members in general and council members in person for their support to elect him as Governing Council Members consecutive three terms and then as IETE President for the year 2022-23. He blessed the IETE Bangalore Centre and promised to support in all the aspect for growth of the Centre.

The Vote of thanks proposed by Dr. D G Rao, Hon. Treasurer, the programme was end after the National Anthom.







21.21-24 Nov 2022: A Corporate Training on “**Design Thinking and Innovation for New Product Development**” was conducted for BEL Engineers. Mr. Suryanarayana, Retd. DRDO Scientist was the course director.

22.06-09 Dec 2022: A Corporate Training on **Unmanned Systems: Aerial, Ground and Underwater Vehicle and Challenges** " was conducted for BEL Engineers at Nalanda-BAE.

23.25-11-2022: Dr. T Thimmaiah Institute of Technology, Kolar in association with IETE Bangalore organized a seminar on “**Non-Linear Control Systems**”. Mr. I Thirunavakarasu, Associate professor, Manipal Institute of Technology, Manipal was the Chief Guest and key note speaker.

24.26-11-2022: Dr. Nilanjan Dey delivered a technical lecture at KSIT, Bangalore on “Addressing challenges in Research Publications”.



25.30-11-2022 to 16-12-2023: A 2week youth empowerment program on “Microsoft Power BI” organized by Sambahram Institute of Technology. provide a great platform for young aspiring minds on business, intelligence.



26.01-12-2022: Dr. S Mohan Kumar, Executive Committee member inaugurated ISF at R R Institute of technology as a Chief Guest. Dr. V Ilango was the Guest of Honor and he delivered a technical talk on Computational Thinking.



27.01-12-2023: Sri. Venkateshwara College of Engineering organized one-day seminar on "**SALESFORCE DISCOVERY DAY**" on 1st December 2022. Mr. James Christy, Zonal Manager from Ethnus, the globally recognized skill development organization from Bengaluru was the Chief Guest. The expert has empowered the participants with the importance of global certifications in salesforce.



28.12-2022: A Team of IETE Bangalore Honorary members visited to Bharat Electronics Corporate Office to meet BEL CMD Shri Bhanu Prakash Srivastava.

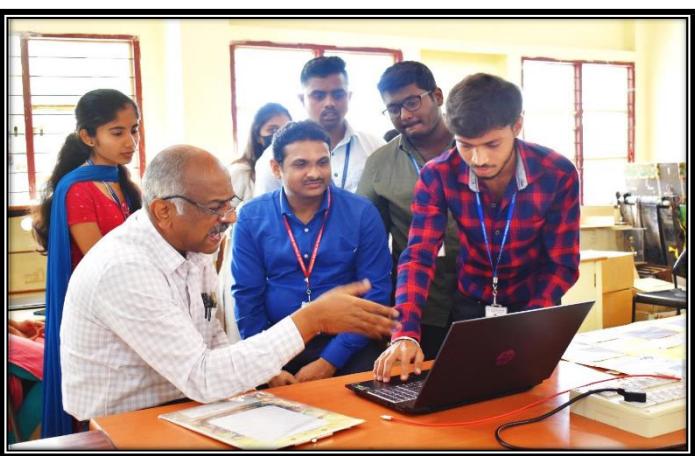
The team from IETE consists of Dr. C P Dwivedi, Chairman, IETE Bangalore, Dr. S G Shivaprasad Yadav, Honorary Secretary, Prof. Bhatia, Former G C Member and Past Chairman, IETE Bangalore Centre, Mr. G Ramesh, Former GC Member and Past Chairman, IETE Bangalore Centre.

Dr. Gunashekhar Reddy (IETE President), Vice President and South Zone mentor Dr. Basavaraj Gadgai, Vice President, Dr. K Jayashankar, and Shri Sunil, Honorary Treasurer, IETE HQ.

The meeting was regarding the conduction of IICI - 2023 in collaboration with BEL. Other Senior Representatives of BEL also were part of the meeting.



29.21-12-2022: Sambhram Institute of Technology organised an “**Intra-collegiate Innovative Idea Contest-2022**.



30. 21-12-2022: Sri. Venkateswara College of Engineering (SVCE) conducted a one day seminar on **“Financial Awareness Programme on Banking Towards Digital India”** in association with IETE Bangalore.



31.26-30 Dec 2022: Sri. Venkateswara College of Engineering (SVCE) conducted Faculty Develop Program (FDP) in association with IETE Bangalore on **Next Generation Wireless Networks for Autonomous Intelligent Communications**. Dr. M H Kori, Governing Council Member, Inaugurated the FDP and he delivered opening talk. Dr. Y V S Lakshmi was the guest of honor and she took one session during FDP Program.



32.15-01-2023: IETE Bangalore conducted a short-term course on Embedded Systems & Design. Dr. S G Shivaprasad Yadav, Hon. Secretary, IETE Bangalore was the course director.

33.24-01-2023: One Day seminar was conducted by Gopalan College of Engineering & Management and inaugurated of IoT Skill Lab set up by C-DAC, Bangalore. Prof. C Murali, DF & Former Vice-President, IETE was the chief Guest and he inaugurated the same. Prof. C Murali delivered a technical talk on ‘5G and Beyond’.

34.26 Jan 2023: Republic Day was celebrated at IETE Bangalore.



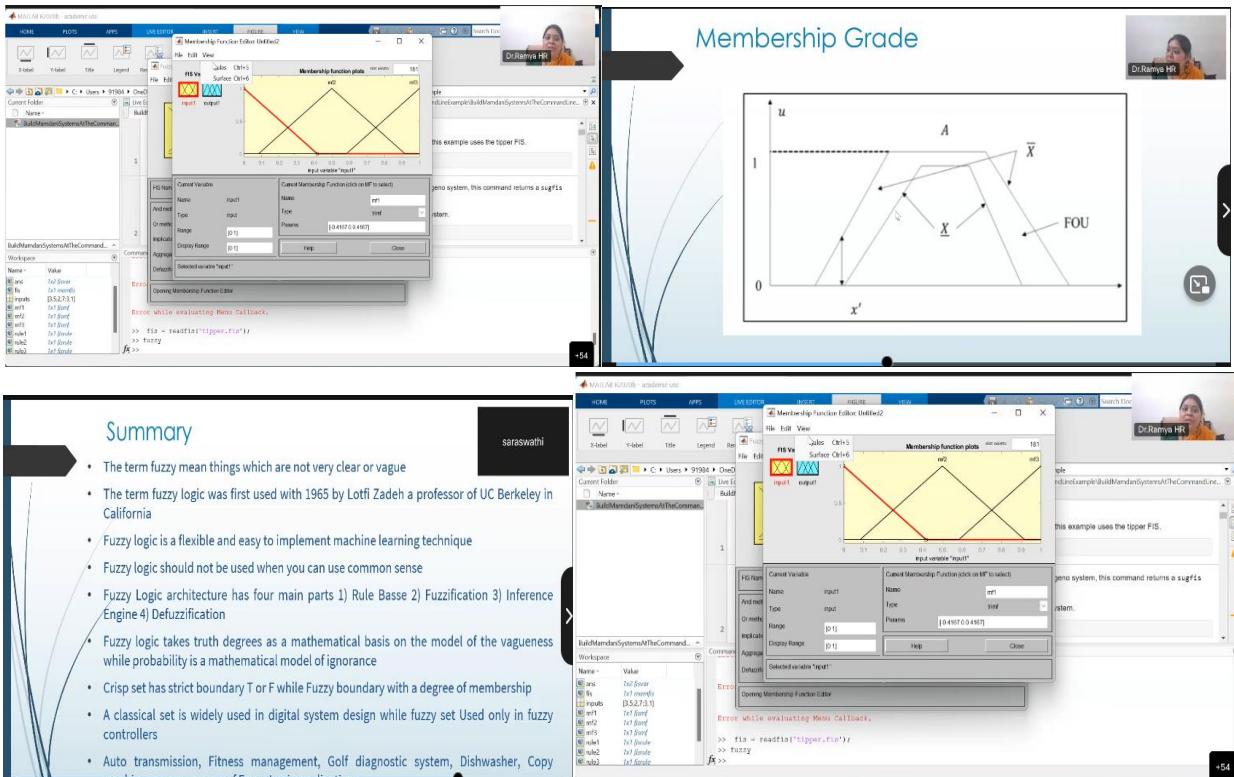
35.28-01-2023: One Day Seminar on Electric Vehicle was organized. Mr. Abhilash R Rout, Sr. Faculty & Consultant from Suprajiv Technical and Management Studies (OPC) Pvt. Ltd., Bangalore was the trainer. 74 students attended the same.

36.29-01-2023: Short term course on Advanced FPGA Design was conducted for Industries and academicians. Mr. Padmanabhan, Coreel Technologies was the Trainer. 33 students joined from various industries like ISRO, DRDO and BEL.

37.05-02-2023: Mr. Padmanabhan conducted a short-term course on Advanced FPGA Design via online for outside delegates. 13 students joined from various industries like ISRO, DRDO and BEL.

38.09-02-2023: Prof. H S Bhatia, former chairman, IETE Bangalore and Dr. C V Ravishnakar, Vice-Chairman, IETE Bangalore Inaugurated the ISF chapter at Dayananda Sagar University, Hosur Road. Bangalore.

39.09-02-2023: The Seminar on “FUZZY LOGIC AND ITS APPLICATIONS” was organized R V College of Engineering.



40.11-02-2023: A short term course on MATLAB/Simulink' for 10 Weeks was conducted by IETE Bangalore. 26 students joined the course from PDIC, C-DoT, DARE, ISTRAC etc. Dr. S G Shivaprasad Yadav, Hon. Secretary, IETE Bangalore was the course director.

41.15-02-2023: Intra-Collegiate Innovative Idea Contest was organized by Sambhram Institute of Technology, in association with IETE Student Forum (ISF).



42.26-02-2023: National Science Day 2023 was celebrated at IETE Bangalore on 26th Feb. '23. The customary Sir CV Raman Memorial Lecture was delivered by Prof Navakanta Bhat, Dean, Division of Interdisciplinary Sciences, Centre for Nano Science and Engineering (CaNSE), Indian Institute of Science (IISc), Bangalore on 'Nano technology in India: Present and Future Prospectus'. Dr V Gunasekhar Reddy, President IETE presided over the celebrations. He addressed the gathering which were there in large number. Dr. C P Dwivedi, Chairman, IETE Bangalore proposed welcome address. Dr. S G Shivaorasad Yadav, Hon. Secretary, IETE Bangalore introduced the Guests of honor. Dr. D S Boramane, Vice-President, IETE spoke about Sir. C V Raman Memorial Lecture. Prof. Baswaraj Gadgay, Vice-President, IETE gave brief about IETE. Dr. M H Kori, Chairman, Academic Committee, IETE HQ introduce the chief guest.

IETE Student Day was celebrated after the Raman Memorial Lecture. Dr CV Ravishankar, Vice Chairman gave an introduction to the Student Day Programme. Students from various engineering colleges participated in the cultural events that followed.

Dr. D G Rao, Hon. Treasurer, IETE Bangalore proposed the vote of thanks.

Brief report about talk:

"There is plenty of room at the bottom; miniaturisation has no limit." said Prof. Bhat, speaking about Nanoscience and Nanotechnology. Nanotechnology deals with objects less than 100 nanometre in length. A cube has a surface area to volume ratio of $6/L$, and as length L tends to zero, this ratio tends to become infinity. This is an illustration of how everything becomes extremely efficient at nano scale, at which, for example, gold loses all its lustre, water boils in almost zero time.

Prof Bhat dealt with two approaches in fabrication of nano particles, which can be seen only by an electronic microscope, 'bottom up' and 'top down', the latter method being more common. He said the Dept. of Science and Technology of the Govt. of India and the Karnataka Govt. (with its Nanotech Parks) have created huge infrastructure. National Nanofabrication Centre at IISc. established in 2016 is open to anyone who wants to work in the area. By its Nano Users' Program IISc has trained a large number of students including students from institutions in smaller cities. Bangalore is a leader among Chip designing centres, other hubs being Hyderabad, Pune and NOIDA.

Future opportunities for Nanotechnology are tremendous, said Prof. Bhat. We have still a long way to go, we have still a lot to learn from nature. For example the brain is an amazing computer, in terms of smartness, power efficiency and sensing. While a Google data centre doing comparable work consumes Kilowatts of power, the human brain needs less than a watt. The nose has six million sensors and can sense a billion odours (an ‘electronic nose’ is in the making). Devices to detect pollution by hazardous gases at a distance are yet to be invented these among thousands of other applications. Indeed, future of brain-inspired computing, and of course, of Nanotechnology is exciting, to say the least.





43.27-02-2023: One month Internship on ‘Embedded & IoT Applications’ conducted by IETE Bangalore for Engineering College Students., Dr. S G Shivaprasad Yadav, Hon. Secretary was the course director, IETE Bangalore.

44.28-02-2023: IETE Bangalore in association with Sri Venkateshwara College of Engineering, Bengaluru organised a one-day Mini Project Exhibition on account of ‘National Science Day’. Along with project exhibition there were Poster, Models and Mini project exhibition.

45.03-03-2023: Dr. C P Dwivedi, Chairman, IETE Bangalore Inaugurated ISF at Reva University.





46.05-03-2023: A short term training on Python Programming Conducted by Dr. Pramod S for 10 weekends. 62 Participants joined the same and were from DRDO Labs, BEL Unites and ISRO Centre etc.

47.09-03-2023: Skill Enhancement Program on Software Tools & Simulators was organized by Sambhram Institute of Technology, in association with IETE Student Forum.



48.12-03-2023: International Women's Day celebration was conducted by IETE Bangalore. Smt. Ila Bahadur ITS Executive Director-operations ITI limited, was the Chief Guest,

Smt. Padmavathi, Outstanding scientist, ADA, DRDO was the guest of honor. In addition, various women achievers Smt. Preeti Rabindra, ASM Technologies Limited, Smt. Meenakshi Dubey & Dr. Jharna Majumdar, Retired Scientist DRDO/academician and Dr. Y V S Lakshmi C-DOT, were the part of the international women day celebrations. In addition, Executive Committee members, Dr E. Kavitha, Dr G Ranjini and Dr B. Roja Reddy, actively participated in the international women's day celebrations.

Sri Purushothaman in his welcome speech gave warm welcome to all women and men gathered on and off the dais. Dr E Kavitha in her talk about the women's day unfolded details of reason of celebration of international women's Day.

Dr. G Ranjini introduce the Chief Guest Smt. Ila Bahadur stated about the action plan she has brought in her workplace to overcome abuse and gender bias in wages and promotions to women.

Dr Roja Reddy introduced the Guest of honor, Smt. Padmavathi outstanding scientist ADA, DRDO addressed the gathering. She expressed that she was the only women present 20 years back in ADA to handle critical issues of design of defence missions, Dr. C P Dwivedi Chairman read the message sent by IETE President from IETE HQ, New Delhi.

There was an interesting panel discussion on the theme Innovation and Technology for Gender equality Moderated by Dr. Y V S Lakshmi C-DOT. Dr Jharna Majumdar, Smt. Meenakshi Dubey and Smt. Preethi Rabindran were the panel members of the discussion. Interesting questions were answered by the women achievers in the panel.



49.16-03-2023: A Technical Talk was organized by ISE department of R V College of Engineering on Introduction and Applications of Transformers. The Technical talk gave an insight on the, Pre-Transformer Era, Transformer Architecture, Applications, Limitations. RNNs were predominantly used for most of the NLP tasks, bidirectional RNN as an encoder and an RNN decoder, with an attention mechanism in between, Proposed initial idea of attention were explained.



50.25-03-2023: A Short-Term Training on Cyber Security conducted by C-DAC executives. Dr. R Balaji organized the faculties from CDAC and he also handled some of sessions. 43 students joined the same from CRL, ARDE, R&D (E), DLDR, NRSC etc.

51.31-03-2023: Hands on Training Session on “Signal Processing” was conducted by Prof. S. Sowndeswari, Asst. Professor, Sambhram Institute of Technology & IETE-ISF Coordinator, Bangalore on in Paavai Engineering College, Namakkal, Tamilnadu for the II Year students of ECE.

52.16-04-2023: AI & ML with Python course started by Dr. Geetha Prakash, She is from Global Program Manager at TOOPLE Technologies Pvt Ltd., Based on Singapore. The training duration is 10 weekends. 16 students joined the same from various industries like DRDO, BEL and ISRO etc.

53.19-04-2023: IETE Bengaluru Sri Venkateshwara College of Engineering, Bengaluru organised a one-day technical seminar on “**Digital Mentorship Program**” on Wednesday, 19th April 2023.

54.02-20 May 2023: The Institute of Chartered Accountant Indian (ICAI) Examinations were conducted. A total 3247 students were allocated to our Centre.

55.03-05 May 2023: IETE INTERNATIONAL CONFERENCE INDIA-2023 (iici-2023) On “AI & ML DRIVING 5G-ADVANCED & 6G”, Organized by Institution of Electronics & Telecommunication Engineers (IETE) Bangalore jointly with Bharat Electronics Limited (BEL) & Centre for Development of Telematics (C-DOT) At BEL ACADEMY OF EXCELLENCE (NALANDA), BENGALURU during 3rd – 5th May 2023,

IICI-2023 programs consisted of the following:

- Eight Pre-Conference tutorials on 3 May 2023
- Inauguration, two panel discussions, Six Key note addresses, Two industry talks, Valedictory function, as part of the Main conference on 4 & 5 May'23
- Forty-eight Paper presentations on both days on 4 & 5 May'23
- Fifty-one exhibition stalls from thirty-four exhibitors for the display of products and services on 4 & 5 May'23
- Cultural program on 4 May'23
- Conference dinner on 4 May'23

Pre-conference tutorials: Leading experts in the domain of 5G advanced and initial research in 6G / AI/M conducted eight Pre-conference tutorials on 3rd May 2023 covering in-depth finer aspects of these technologies.

The Hon'ble Chief Guest Dr. G. Sateesh Reddy, Secretary, Ministry of Defense, Gov. of India inaugurated iici-2023 along with Sri. Sanjeev Agarwal, DOT member (T). Dr. Sateesh Reddy in his inaugural address briefed about various government policies and emphasized the need for timely implementation of new ideas and innovations for which he promised to extend the required support from the government.

The two-day conference comprised 8 plenary sessions, with 2-3 speakers per session. Each speaker was given 15 minutes to present, followed by 5-10 minutes for questions. The conference was structured to foster discussion between participants around the core themes of the small states project. This was achieved by hosting small group debates, minute papers, and full group discussions on pre-prepared questions following each session. Time was allocated at the end of each day for a group reflection on the day's discussions.

Valedictory function: The valedictory addresses of Dr. Surendra Pal, Former VC, DIAT & AD, URSC and Shri. Harikumar , GM (Technology), BEL offered an apt conclusion to the conference with specific summing up of the theme of the conference.

Dr. C P Dwivedi, Organizing Chair iici-2023 and Chairman IETE Bangalore Centre profusely acknowledged and thanked the efforts of all the stake holders of iici-2023.





56.11-28 May 2023: Summer School in Electronics and Computers (SUSIEC) is the prestigious activity of IETE Bangalore. As conducted every year in the month of April & May, for this year also IETE conducted activities for the summer school for 8th, 9th and 10th from 11th May 2023 to 28th May 2023.

Dr K M Sudharshan and Dr Vidya Sagar Reva University were course directors.

During valedictory function hosted on 28-05-2023 at the beginning project demonstrations and exhibition was presented to the Guests.





57.17-05-2023: Dr. C V Ravishankar, Vice-Chairman, IETE Bangalore has delivered a talk on World Telecommunication Day at Brindavan College of Engineering, Bangalore on 17th May 2022 as Chief Guest.

58.28-05-2023: IETE Bangalore celebrated World Telecommunication & Information Society Day. Chief Guest was Shri G R Ravi (ITS) Chief General Manager, BSNL Karnataka and Guests of honor were Dr M H Kori, Former Technical Director of Alcatel Lucent and Governing Council Member, New Delhi IETE, Sri Rabindra Srikanth and Mrs. Preethi Rabindra, Managing director and Chairperson of ASM Technologies Limited Bangalore. Dr M H Kori spoke about the importance of world telecommunications day. He said World Telecommunication Day has been celebrated annually on 17 May since 1969, marking the founding of ITU and the signing of the first International Telegraph Convention in 1865. He said this indeed is a very important day for all electronics and telecommunication engineers. Professor said “Empowering the

least developed countries through information and communication technologies” is the theme of this year's World Telecommunication and Information Society Day programme. He also stressed the need to know the importance of this day by all young engineers. Dr Chandra Dwivedi Chairman IETE said that it was framed to be celebrated on 17th May but due to the summer school activities it was rescheduled to this day and also he stressed the need of celebration of this day by IETE and also all electronics and telecommunication engineers. This function was concluded with national anthem sung by all people on and off the dais.



Revenue Generation Activities

- 1. 01-17 Nov 2022:** The Institute of Chartered Accountant Indian (ICAI) Examinations were conducted. A total 3468 students were allocated to our Centre.
- 2. 02-20 May 2023:** The Institute of Chartered Accountant Indian (ICAI) Examinations were conducted. A total 3247 students appeared for the CA exams in 16 sessions.

3. MoU singed between IETE Bangalore & CMR University, Bangalore for training courses, Projects Work and Internship etc.

Dr. S G Shivaprasad Yadav
Hon. Secretary
IETE Bangalore