



### Message from the Chairman



Dear IETEian,

Hearty greetings to the IETE Hyderabad fraternity! The quarter that has just gone by (Jan-Mar 2023) has been, as usual, a period of productive activity and participative growth.

Our weekly Knowledge sharing seminars in the online mode are continuing to elicit very encouraging response from eager audiences. This is evident from the fact that the participants' numbers are increasing and the proportion of students among the participants too is increasing. Side by side our other scheduled events like the Memorial Lectures and Endowment Lectures are going on unhindered and it is a matter of pride to our Centre that eminent resource persons are volunteering themselves at these events.

A particularly noteworthy events are IETE Students Day held on 5th Feb., 23 on which we held Engineering Expo where students are displayed various hardware projects, 4-Day Workshop on Intelligent Automation through Machine Learning during 11-12 Feb., 23 (Level-1) and during 18-19 Feb., 23 (Level-2), Two Day Workshop on Blockchain Technology Applications and Hands on Training, National Science Day Celebrations on 5th Mar., 23 for which Shri K. Murali Krishna, ITS, Director (Security), Dept. Of Telecom was Chief Guest and delivered lecture on Cyber Safety and Security measures followed by Prof. Ganti Subrahmanyam 6th Memorial Lecture on 5G and future Networks delivered by Er. B Brahma Reddy, Chairman, IE(I), TSC, International Women's Day Celebrations on 11<sup>th</sup> Mar., 23 for which Smt. Mangala Mani Nalli, Sc-SG (Retd.), NRSC followed by a Medical Health Camp organised by CMR Hospital, Medchal and the UV Warlu 21<sup>st</sup> Memorial Lecture held on 26<sup>th</sup> March, 23 at which the Chief guest was Dr. Ponnada A. Narayana, Professor Emeritus at the University of Texas Medical School, USA.

Dr. Ponnada A. Narayana, Professor Emeritus at the University of Texas Medical School, USA. He is a pioneer in the field of Magnetic Resonance Imaging Technology which is now widely used in the medical world for non-invasive diagnostic applications such as tumours, clots and blocks.

Dr. Ponnada spoke on 'The Anatomy of Magnetic Resonance Imaging Sensor' and, with the help of images, video clips and description of case studies, gave an overview of the system and latest advances in the field. Apart from several corporate members, a number of students from local engineering colleges participated and engaged with the eminent speaker in active discussion.

Our growth story in terms of new Organisational Members, Student forums and new memberships continues. I once again request all concerned to quickly avail themselves the concession in the rates of membership before its expiry.

I look forward to your continued participation and patronage.

With Best Regards,

**Prof. Nuli Namassivaya  
(Chairman)**

## IETE Students day Celebrations-2023

Annual Students' Day was celebrated with gusto and enthusiasm on 5th Feb (Sunday). Students from several Polytechnics and Engineering Colleges in and around the city participated.

In his welcome address, Dr. Nukala Srinivas Rao, HOD, Matrusri Engineering College and Treasurer, IETE, Hyderabad said that IETE, as the country's leading professional society in the field of Electronics and Telecom, provides an ideal platform for the students, academics and industries to come together and have professional interactions. He also read out the address sent by the President, IETE, Dr. Gunasekhar Reddy on the occasion. Shri A.Sangamkar, Secretary, IETE, Hyderabad, who presided, explained the various activities undertaken by IET for the sake of the students and advised them to take advantage of the short-term courses being conducted by IET on latest advances, e.g., AI, ML, Python, Missile technology, Block Chain etc. Dr. V. Rama Rao, former CEO, SAPNET, and EC member, IETE, Hyderabad, said that engineering education in India is often criticised for deficiency in practical components and hands-on practice, and exhorted the students to give more emphasis on acquiring practical skills. Dr. Venkata Ramana, HOD, Govt. Polytechnic, Medchal and IS Coordinator, said that in their college the week-ends (Saturdays) are especially being devoted to skill development activities and suggested a close involvement with IETE in these activities.

An Engineering Expo was also held on the occasion in which students demonstrated prototypes of the projects and devices designed by them. Best Project awards were given to the projects named Face Recognition system using deep learning and Warfield Spying Robot with night vision wireless camera in the Polytechnic stream and also for another project named Brainy Bottle in the B.Tech stream from Sri Indu College of Engineering and Technology.

A quiz competition was also held in which;

B S Poojitha (1st prize) from Govt Polytechnic College.

G Karthik and K Vinay Reddy (2nd Prize) won the prizes from Government Polytechnic College and MGIT respectively.

At the end, speaking on behalf of the students, K Sai Shrujan of Sri Indu College of Engineering & college said that participating in the Students Day and the activities was a very enjoyable and educative experience and hoped that more such opportunities will come their way in future.





## Endowment and Memorial Lectures

### **Prof. GANTI SUBRAHMANYAM 6th MEMORIAL LECTURE**

The Institution of Electronics and Telecommunication Engineers (IETE) Hyderabad Centre has conducted Prof. GANTI SUBRAHMANYAM 6th MEMORIAL LECTURE on 05.03.2023 (Sunday) at 11.00 AM through physical mode. The speaker was Er. B Brahma Reddy, FIE, FIETE IEI Council Member & Chairman, IEI, Telangana State. The speaker delivered lecture on "5G and Future Networks"



### **Shri U V Warlu 21<sup>st</sup> Memorial Lecture**

The Institution of Electronics and Telecommunication Engineers (IETE) Hyderabad Centre has conducted Shri U V Warlu 21st Memorial Lecture 26.03.2023 (Sunday) at 10.00 AM through physical mode. The speaker was Dr. Ponnada Narayana Professor Emeritus Department of Diagnostic and Interventional Imaging, University of Texas Health Science Center, Houston, USA. The speaker delivered lecture on "Anatomy of Magnetic Resonance Imaging Scanner"



## WEBINARS

### Webinar– 118

**TOPIC :** “MEP for Designing Circuits in Deep Sub threshold Region”

**DATE:** 8<sup>th</sup> January, 2023

(Sunday) at 10.30 AM

**ONLINE:** Through Google Meet  
HD Video Meeting App



**Dr. Manisha Guduri**  
*Associate Professor & Dean R&D  
KG Reddy College of  
Engineering & Technology,  
Hyderabad*

### Webinar– 119

**TOPIC :** “Block Chain Technology And Applications”

**DATE:** 22<sup>nd</sup> January, 2023

(Sunday) at 10.30 AM

**ONLINE:** Through Google Meet  
HD Video Meeting App



**Mr. Mallellu Sai Prashanth**  
*Block Chain Developer at Tech  
Mahindra, Hyderabad.*

### Webinar– 120

**TOPIC :** “Career Guidance”

**DATE:** 29<sup>th</sup> January, 2023

(Sunday) at 10.30 AM

**ONLINE:** Through Google Meet  
HD Video Meeting App



**Dr. N. Suresh**  
*Professor & Head, ECE  
AVN Institute of Engineering &  
Technology*

### Webinar– 121

**TOPIC :** “Wireless Communication In Biomedical Engineering” “Cyber Security Challenges and Methods of Mitigation ”

**DATE:** 12<sup>th</sup> February, 2023

(Sunday) at 10.30 AM

**ONLINE:** Through Google Meet  
HD Video Meeting App



**Shri T RUBESH KUMAR**  
*M.E (Ph.D)  
Assistant Professor (SG),  
Biomedical Department  
Rajalakshmi Engineering College,  
Chennai, Tamilnadu, India*

### Webinar– 122

**TOPIC :** “Successful Journey of Indian Missile Development”

**DATE:** 19<sup>th</sup> February, 2023

(Sunday) at 10.30 AM

**ONLINE:** Through Google Meet  
HD Video Meeting App



**Shri D PRAVEEN KUMAR**  
*Scientist – ‘E’ Defence Research  
& Development Organisation  
(DRDO), Ministry Of Defence*

### Webinar– 123

**TOPIC :** “Reverting Innovation EcoSystem in India through Entrepreneurship”

**DATE:** 26<sup>th</sup> February, 2023

(Sunday) at 10.30 AM

**ONLINE:** Through Google Meet  
HD Video Meeting App



**Dr. B. VANDANA**  
*Associate Professor  
KG Reddy College of  
Engineering & Technology,  
Hyderabad*



## WEBINARS

### Webinar- 124

**TOPIC :** "Introduction and Fundamentals of Artificial Neural Networks"

**DATE:** 19<sup>th</sup> March, 2023  
(Sunday) at 10.30 AM

**ONLINE:** Through Google Meet  
HD Video Meeting App



**Dr. S Suryanarayana**

Professor & Head  
Department, ECE  
Maturi Venkata Subba  
Rao(MVSR) Engineering College,

## Republic Day Celebrations - 2023



## National Science Day - 2023

The Institution of Electronics and Telecommunication Engineers (IETE) Hyderabad Centre has conducted **National Science day - 2023 on 05.03.2023** (Sunday) at 10.00 AM through physical mode. The Chief Guest for this program was **Shri K Murali Krishna, ITS Director (Security), Dept of Telecom, Hyderabad**. In this occasion IETE, Hyderabad centre was facilitated by the Webinar Speakers





## International Women's Day Celebrations - 2023:

The Institution of Electronics and Telecommunication Engineers (IETE) Hyderabad Centre has conducted International Women's Day Celebrations on 11.03.2023 (Saturday) at 6.00 PM through physical mode. The Chief Guest Smt. Mangala Mani Nalli, Engineer / Scientist – SG (Retd.) NRSC/ISRO, Balnagar, Hyderabad. The Guest of Honor Dr. J Swathi MBBS, MD, OBG, Assistant professor GMC Sangareddy. On this occasion IETE, Hyderabad centre was arranged **MEDICAL CAMP**, Organized by CMR HOSPITAL, MEDCHAL

**The Institution of Electronics and Telecommunication Engineers  
Hyderabad Centre**  
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Ph: 040-27085128, 27086025  
hyderabad.iete@gmail.com, info@ietehyd.org, www.ietehyd.org

Since 1973 **50** Years

**IETE cordially invite you to participate in  
International Women's Day Celebrations**  
Saturday, 11<sup>th</sup> March 2023, at 6:00 PM  
On Theme  
"DigitALL: Innovation and technology for gender equality"

**Chief Guest**  
  
**Smt. Mangala Mani Nalli**  
Engineer / Scientist – SG (Retd.)  
NRSC/ISRO, Balnagar, Hyderabad

**Guest of Honor**  
  
**Dr. J Swathi** MBBS, MD, OBG  
Assistant professor  
GMC Sangareddy

**Title: "Women's Role in the advancements of  
Science and Technology"**

**MEDICAL CAMP**  
Organized by  
CMR HOSPITAL, MEDCHAL

**Prof. Nuli Namassivaya**  
Chairman

**Sri Ashwani Kumar Sangamker**  
Honorary Secretary

**Smt. Tuti Sandhya**  
Chairman, Women Empowerment Sub-Committee






## Workshops/Short Term Courses

### Work Shop on Intelligent Automation Through Machine Learning

The Institution of Electronics and Telecommunication Engineers  
Hyderabad Center  
Adjacent: Director, PG Admissions Office, O.U. Campus, Hyderabad - 500 007  
Ph: 040-2709 5128, 2709 8025  
Hyderabad@ietye.org, info@ietye.org, www.ietye.org

IETE Cordially invites you to participate in the  
**FOUR DAY WORKSHOP ON  
INTELLIGENT AUTOMATION THROUGH  
MACHINE LEARNING**  
By Expert Speaker



**Mulla Zaheer Ahamed**  
Lead Engineer  
Raifox IT Consultancy Pvt Ltd, Bangalore

Prof. Nuli Namassivaya  
Chairman

Sri Ashwani Kumar Sangamker  
Hon. Secretary

Time: 9:30 AM to 4:30 PM  
Working lunch will be provided  
IETE Hyderabad

Registration Fee:  
• IETE Students : Rs.700 /-  
• Non-IETE Students : Rs. 800/-  
• Faculty : Rs. 1200/-  
• From Industry : Rs. 1500/-

Organization Committee:  
\*Tuti Sandhya - 9912864443  
\*Keerthi Latha CV - 9246288398  
\*A. Sarveshvara Rao - 9394850831

**Trainer's Profile**

- Mulla Zaheer Ahamed is presently working as Lead Engineer in Raifox IT Consultancy Pvt Ltd, Bangalore. He did his B. Tech from JNTUA Anantapuram and M. Tech from JNTUH.
- He is presently pursuing his Ph. D. from JNTUA Anantapuram on the Topic "Real Time Wearable Hardware platform for Epileptic Seizure detection & Prediction using Machine Learning".
- He has a industrial experience of 6+ years and a teaching experience of 5 years. He worked as Data scientist in Zetagle info Solutions private ltd., Hyderabad from 2017 to 2020. Later joined Vhawe Innovations, Hyderabad as data scientist in Sep, 2020 and served till May, 2022. Since June 2022, he is working with Raifox IT Consultancy Pvt Ltd, Bangalore.
- He worked as Assistant Professor in Brindavan Institute of Technology and Science, Kurnool from 2012 to 2017.
- He has a technical expertise in Data Science, computer vision, Business Intelligence, Artificial Intelligence & Machine Learning/Deep learning using python, Embedded systems, Video Processing, Signal Processing, Medical Imaging, Image Processing.
- He Delivered sessions on Python, Machine Learning, Deep Learning in several workshops, Guest Lectures and training programs at several reputed platforms.
- He has published 12 research papers in various international journals & Conferences of repute. he received two best paper awards at international conferences of repute. He is a Life Member of ISTE, IAENG & IETE. He is a member of IEEE. He is a review member for an International Journal.

**Major Topics to be covered**

**Level - 1**

- Basics of python
- Python libraries for ML
- Supervised and Unsupervised Learning Algorithms

**Level - 2**

- Modeling Neural Networks
- CNN Networks
- RNN & LSTM Networks

Hands on practice along with real time example use cases.

### Work Shop Blockchain Technology Applications and Hands on Trading

IETE, Hyderabad Centre was organized Two day workshop on 25th & 26th February 2023 9.30AM to 4.30PM in Blockchain Technology Applications and Hands on Trading for Engineers by Expert Speaker Mr. Sai Prashanth Mallellu, Blockchain Developer, Tech Mahindra

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Hyderabad@ietye.org, info@ietye.org, www.ietye.org

IETE Cordially invites you to participate in the  
**TWO DAY WORKSHOP ON  
BLOCKCHAIN TECHNOLOGY APPLICATIONS  
AND HANDS ON TRAINING**  
by Expert Speaker



**Mr. SAI PRASHANTH MALLELLU**  
Blockchain Developer  
Tech Mahindra

Coordinators:  
Ashwani Kumar Sangamker  
Hon. Secretary  
Dr Nukala Srinivasa Rao  
Hon. Treasurer

Prof. Nuli Namassivaya  
Chairman

Time: 9:30 AM to 4:30 PM  
Working lunch will be provided  
IETE Hyderabad

Registration Fee:  
• Students : Rs. 700 /-  
• Research Scholars : Rs. 800/-  
• Faculty : Rs. 1200/-  
• Faculty IETE mem : Rs. 1000/-  
• From Industry : Rs. 3000/-

**Major Topics to be covered.**

Topics for two days including hands on training on Blockchain Applications as follows:

- Introduction Modules and Methodologies, Mechanisms.
- Use case studies and real time application scenarios.
- Ten Modules hands on Elixirum Platform using solidity.
- Applications using Utility Module.
- Solving hands on use case study on Hyperledger based electronic health care record management system using fog computing.
- Industrial Application overview on Block Chain.
- Understanding the Solidity Language for block chain applications.

Hands on practice along with real time example use cases.






# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)

Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

Department of Electronics and Communication Engineering  
(Accredited by NBA)



Date: 10.02.2023

Seminar Report:

Title: "Antenna Arrays and Smart Antennas"

Date: 09.02.2023

Venue: Auditorium, E-Block.

Resource Person: Dr. P.V.D. Somasekhara Rao, (Retd.) Professor & Director at Jawaharlal

Nehru Technological University, Hyderabad.

A Seminar on "Antenna Arrays and Smart Antennas" organized by IETE Student forum, VJIT, Hyderabad was held at ECE Department on 09 th February, 2023. In this seminar the total 171 students from III, IV Year and 25 Faculty Members have participated. The Director Dr. E. Saibaba Reddy, Principal Dr. A. Padmaja and Resource person Dr.P.V.D. Somasekhara Rao, (Retd.) Professor & Director at Jawaharlal Nehru Technological University, Hyderabad, Dr S.Thulasi Prasad, Professor & HOD, Dept. of ECE, VJIT have graced the occasion. The session has started with welcome address of resource person. The seminar started with the fundamentals of antenna. It covered definition, fundamental parameters of antenna, classification of antennas based on their radiation pattern such as omnidirectional antenna, isotropic antenna and directional antenna. The gain and directivity of the antenna and the factors that affect them were discussed in detail. A deep insight into antenna arrays and their significance in the present day scenario was given. Effect of factors such as configuration of antenna array, inter-element spacing, and amplitudes of the input signals applied to individual elements explained. Creation of smart antennas as a combination of an antenna array and signal processing unit was discussed very interestingly with real time examples and applications. Audience was enthralled listening to the lifetime experience of Dr. Somasekhara Rao Garu in the antenna domain presented in most lucid and simplest form.

Photographs of the Event:





## ISF EVENTS



### GOUTHAMI INSTITUTE OF TECHNOLOGY AND MANAGEMENT FOR WOMEN

(Approved by AICTE, New Delhi, SBTET & Affiliated to JNTUA, Anantapuramu)

Sai Nagar, Peddasettypalli (Vi.) PRODDATUR - 516 361. Kadapa (Dist.) A.P. Cell : 9491431101  
e-mail : principal.8u@jntua.ac.in gitamwpdtr@gmail.com web : www.gitamw.ac.in

Goutham Institute of technology and management for women was organized Guest Lecture on 23/03/2023. For this program Prof. Nuli Namassivaya, Chairman IETE, Hyderabad Centre was delivered the guest lecture



(Approved by AICTE, New Delhi & Affiliated to JNTUH)



Ananthagiri (V&M), Kodad, Suryapet (Dt.), Telangana - 508206  
www.anurag.ac.in +91 95531 22270

Prof. Nuli Namassivaya, Chairman IETE, Hyderabad Centre was delivered an expert lecture on GNSS An Indian Perspective at one day National level technical Symposium on 21.03.2023 conducted by department of Electronics and communication engineering, Anurag Engineering College, Kodad.



## R & D Projects

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Prof. Nuli Namassivaya  
Sri Ashwani Kumar Sangamker  
Dr. N. Srinivasa Rao  
Dr. P.A. Harsha Vardhinl  
Dr. Veluri Rama Rao

IETE NEWS invites from the readers short articles/letters on technological matters for publication in the newsletter not to exceed 300 words.

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