



Message from the Chairman



Dear Members,

It gives me immense pleasure to present this issue of IETE Bi-Monthly Newsletter. With all your support and encouragement IETE continues its motto to enhance the technical thought and build capability

I am very glad to mention that in addition to our every Sunday Webinars of Knowledge Sharing Sessions other events like Workshops, Endowment Lectures & Memorial lectures are conducted as per the calendar. On every event to encourage the students we are conducting the Poster Presentations & Essay Writing Competitions etc and prizes were distributed to 1st, 2nd and 3rd winners. We conducted the 3 -Week Short Term Course on **“Fundamentals of labView, MultiSim and Thinker CAD Tools”** through online mode from 16th to 31st Jan. 2021 was received very well by the Students and Professionals. On 7th February, 2021 **“IETE Students Day”** was conducted in the Hybrid mode. Dr A. Ashok, IAS (Rtd), was the Chief Guest for this event and prizes were distributed to the winners of **“Hardware Expo and Crossword Puzzle”**.

Similarly another great event **“National Science Day”** was conducted on 28th February, 2021 in the Mekaster Auditorium. On this event we have honoured Padmashree Awardee Prof B.L. Deekhatulu Garu for his contribution to Science and Technology. To grace this event Dr Dasharath Ram, Director , DRDL was the Chief Guest and the Keynote Speaker Dr.B. Yegnanarayana, INSA Senior Scientist at IIIT , Hyderabad was given a lecture on **“Different Perspectives of Artificial Intelligence”**. The Senior Ieteians like Prof S. Narayana, Past President of IETE, Prof K. Lakshminarayana, Dist Fellow of IETE, Prof Kishen Rao, IETE Members, Students & Faculty

were attended the function. The event was covered by the Media. The Daily News Papers like Eenadu, Namaste Telangana, Hindu etc are published the felicitation photos of Prof Deekshatulu.

We are happy to mention that IETE Hyderabad Centre has been chosen as the Centre of Excellence (CoE) for conducting the Skill Development courses on **“Blockchain Technologies” & “Cyber Security”** in Short Term & Long Term duration. We are making all the arrangements to setup the Lab with necessary equipment for running the course from April, 2021 onwards.

I am sure that this newsletter will showcase the prominent happenings in our centre to the members outside world and request to give your valuable suggestions for further improvement of the IETE Hyderabad Centre.

Thank you,

Er. K. Gnaneshwar Rao (Chairman)



EVENTS

NATIONAL SCIENCE DAY CELEBRATION

Feb 28 is an important day for all Science & Technology institutions in the country, as it is the Birth day of Dr C.V. Raman, India's first Nobel laureate in Physics which is celebrated as National Science Day. This year, IETE, Hyderabad Centre celebrated the day with a colorful function in which Padma Shri awardee Prof. B. L. Deekshatulu, Distinguished Fellow, IETE, was felicitated. Essay Competition on the topic '**Future of STI: Impact on Education, Skills and Work**' for Engineering students was also held on the occasion. A large gathering of IETE members, faculty and students of Engineering colleges, R&D institutions, Media and eminent personalities in the field of Science & Technology participated. The function commenced with a welcome address by the Chairman of the Centre Er. K. Gnaneswara Rao, who briefed the audience of the many activities the Centre has undertaken despite the hurdles posed by the pandemic and the commitment with which the new Executive Committee is working to keep the Hyderabad Centre at the forefront of the Institution. Honoring a Scientist / Engineer of Prof. B L Deekshatulu's eminence on this occasion is a matter of special pride for the Centre. Prof. B L Deekshatulu's contributions to space science in general and to IETE in particular are forever remembered, he added. Er. Nuli Namassivaya, Secretary, traced the evolution of the Centre and expressed gratitude to Prof. B L Deeksatulu for shaping its growth all along.

Prof. B. L. Deekshatulu, in his address, called upon the student community to imbibe the true spirit of science in their studies as well as in their future careers. Delivering the Key Note address on '**Different Perspectives of Artificial Intelligence**', Dr. Bayya Yagnanarayana, INSA Senior Scientist at IIIT Hyderabad, emphasised that the terms Artificial Intelligence (AI) and Machine Learning (ML) were in vogue even sixty years ago, but their connotation has been changing at different times and in different contexts.

Science itself has undergone a metamorphosis from the days of Dr. Raman to the present day. Science was essentially a study of natural phenomena, but today's science is mired in '**virtual reality**', AI, ML and so on – things which are the very opposite of natural phenomena. It is ironical that, when it comes to human beings, we talk of their '**skills**' – skill development, skill-oriented education, re-skilling – while, in the context of machines, we talk of machine 'learning'! It is as if men and machines are swapping places. Even in the contemporary world, the way the concept and definition of AI, as understood by the academics, are radically different from the understanding of the industrialists, which in turn is different from that of the common public. Dr. Yagnanarayana concluded his talk with a thought-provoking statement that the popular adage '**a picture is worth a thousand words**' should be revised as '**a word is worth a thousand pictures**'. A thunderous applause followed.

Dr. Dasarath Ram, Director, DRDL, was the chief Guest on the occasion. He outlined the development of missiles and other defence equipment being undertaken at DRDL and exhorted the student community to embrace the defence sector in a big way in the service of the nation. Prize distribution for students who participated in the essay-writing competition was also held. The **1st Prize** was bagged by **Ms. G. Neena Kumari**, ECE Dept., Siddhartha Institute of Engg. & Tech., **2nd Prize** is by **Thoutam Sridivya**, EEE Dept., Vaagdevi College of Engineering, **3rd Prize** by **A. Sanjana**, ECE Dept., MVSR Engineering College and **Consolation Prize** by **P. Sasya Reddy**, ECE Dept. Stanley College of Engineering for Women

The meeting ended with a Vote of thanks by the Convenor and Vice-Chairman Dr. K. Seetha Ram Babu.

National Science Day Photos



Inaugural Session of National Science Day



Felicitation to **Prof. B L Deekshatulu**



Address by **Prof. B L Deekshatulu**



Felicitation to **Prof. B Yegnanarayana**



Address by **Prof. B Yegnanarayana**



Felicitation to **Prof. S. Narayana**



Felicitation to **Dr. Dasharath Ram**



Felicitation to **Prof. K Laxminarayana**

AWARDS

“CHSN-2020: YOUNG RESEARCHER AWARD”

Dr. P. Naveen Kumar, Chairman (R&D and Industrial Coordination) Sub Committee, IETE Hyderabad section and Associate Professor, Dept of ECE,OU has received the " CHSN-2020: YOUNG RESEARCHER AWARD" at JNTU KAKINADA in the International Conference held during 28th and 29th Dec 2020.

The award is being given by Prof. Hemachandra Reddy, Chairman AP State Council for Higher Education, V C Rayalaseema University, Prof. AnandaRao, VC JNTU Kakinada, Prof. Ramalinga Raju and Former VC JNTUK Prof. Allam AppaRao.

In view of this, he was also felicitated by the Former Chairman, IETE Hyderabad Er. K. Subbi Reddy Garu and IETE EC on 26th January 2021. He is also appreciated by the EC for getting his extension of his MoU project on Indian NavIC, with Space Application Center, ISRO, Ahmedabad(2016 to 2021).



Felicitations to **Dr. P. Naveen Kumar** for at IETE Hyderabad



Felicitations **Dr. P. Naveen Kumar** for achieving **YOUNG RESEARCHER AWARD** at JNTU Kakinada

Covid Discounts for New Memberships:

IETE is offering Covid-19 discounts till June, 2021, for new memberships of various categories. The table below shows the discounts and fee details for the various categories.

Total fee for Life Membership including 18% GST (Fee depends on AGE and Category)

Age	Fellow Member		Member		Associate Member	
	Normal	25% Discount	Normal	25% Discount	Normal	25% Discount
Up to 35	NE	NE	7670	5752.5	6490	4867.5
36 to 60	9440	7080	8260	6195	7080	5310
Above 60	7080	5310	5900	4425	5310	3982.5

Existing Corporate Members applying for higher category have to pay as follows:-

Associate Member to Fellow Rs.3000/- + 18% GST

Member to Fellow Rs.2000/- + 18% GST

Associate Member to Member Rs.2000/- + 18% GST.

We hope this Newsletter is useful to the members to know about the activities of the IETE Hyderabad centre and look forward to your feedback and suggestions for further strengthening of the Centre.

WEBINARS

Webinar – 26

TOPIC : RECENT RESEARCH
TRENDS IN DATA SCIENCE

DATE: 3rd January, 2021 (Sunday)
at 10.30AM

ONLINE: Through Zoom Cloud HD
Video Meeting App



Dr A. V. Krishna Prasad
MCA, M.Tech (CSE), PhD (CS)
Associate Professor,
CSE Department,
MVSR Engineering College

Webinar – 27

TOPIC : DRONES: Technology,
Applications and Issues

DATE: 10th January, 2021 (Sunday)
at 10.30AM

ONLINE: Through Google Meet HD
Video App



Ms. Lakshmi
Scientist 'F', DLRL,
Chandrayangutta, Hyderabad

Webinar – 28

Short Term Course (16 - 31.01.2021)

TOPIC : Fundamentals of LabVIEW,
MultiSim and Tinker CAD- Tools

DATE: 16th – 31st 2021 (Saturday &
Sunday) at 10.30AM to 4:30PM

ONLINE: Through Youtube HD Video
Channel App

Panjala Rohith Goud

Senior Application Engineer,
Certified LabVIEW Associate
Developer

Sreeram Tharun

Application Engineer,
Certified LabVIEW Associate
Developer

Webinar – 29

IETE Students Day Celebrations

TOPIC: Hardware Project Expo –
2021 & Technical Cross word
Puzzle

DATE: 7th February, 2021 (Sunday)
at 9:30AM to 1:00PM

OFFLINE: Physical Event at IETE
Hyderabad Centre



Dr.Ashok, IAS (Rtd)
Former Commissioner, Former
Collector,
Director General MCR HRD,
Telangana State

Webinar – 30

TOPIC : Usage of Technology for
Social Challenges

DATE: 14th February, 2021 (Sunday)
at 10.30AM

ONLINE: Through Google Meet
Video App



Ms. Tuti Sandhya
Resource Person, Mahatma Gandhi
National Council of Rural Education
(MGNCRE)

Webinar – 31

TOPIC : Introduction to R
Programming

(In association with NAVATEJ
Technologies)

DATE: 21st February 2021 (Sunday)
at 10.30AM

ONLINE: Through Zoom Cloud HD
Video Meeting App



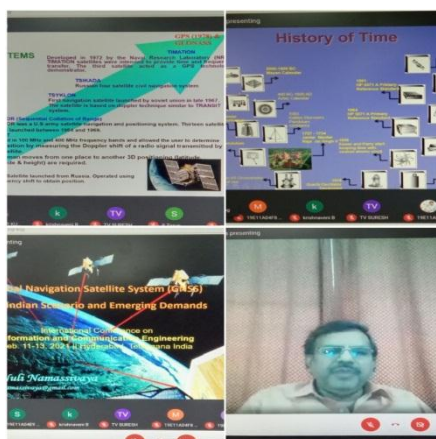
Dr. R. Madana Mohana
Associate Professor, Department of
Computer Science and Engineering
Bharat Institute of Engineering and
Technology

ISF Colleges EVENTS

➤ **Bharat Institute of Engineering and Technology**, Hyderabad conducted 3 days **International Conference on Information and Communication Engineering** from 11th Feb- 13th Feb 2021 Honorable **Chief Guest Dr JR Joshi**, Director Kusha Project, DRDL, Hon. Guest of Honor **Col. B.Venkat**, Director AICTE, Special Guest **Dr Sundarajan**, Former Prof NTU, Mr **Mrityunjay Vishwakarma**, **IBM India** were the renowned guests of this Conference. The Conference is technically sponsored by **IBM India, IETE and IFERP**. On Day 1 we had a Technical workshop by **Mr Karan Chaturvedi**, Developer **IBM**, On Day 2 we are having Key Note Session 1 by **Dr Dhananjay Singh**, Associate Prof, Deptt of ECE, University of Foreign Studies, South Korea and Key Note Session 2 by **Dr Sunadararajan** Former Professor Electrical Engineering, Nanyang Technological University Singapore. On Day 3 **Key Note Session 3** by **Prof Nuli Namassivaya**, Secretary, IETE Hyderabad and **Dr Dhananjay Kumar** Prof and HOD, MIT Campus **Chennai**. This Conference Successfully Organized under the Guidance of **Directors** and Honorable Chairman **Ch. Venugopal Reddy**.



Address By Chief Guest **Dr. JR Joshi**,
Director Kusha Project, DRDL



Address By **Er. Nuli Namassivaya**,
Honorary Secretary, IETE Hyd. Centre



Valedictory Function

Nalla Malla Reddy Engineering College

➤ NMREC ECE Department Conducted a webinar on "IETE Membership Benefits" Through ZOOM on 16th January, 2021 in Association with IETE. Er. Nuli Namassivaya, Secretary, Ms. Tuti Sandhya, Chairman, Women Empowerment Sub Committee has Participated on behalf of IETE Hyderabad Centre and Explained the benefits of IETE Membership in details and encouraged students to get member of IETE.

Nalla Malla Reddy Engineering College
AUTONOMOUS INSTITUTION
Accredited by NAAC with 'A' Grade, NBA Accredited Program

IETE NMREC STUDENT FORUM CONDUCTS A DRIVE ON
"IETE MEMBERSHIP BENEFITS"

Speakers :
➤ Er. Nuli Namassivaya - Honorary Secretary,
➤ Ms. Tuti Sandhya - Chairmen for WOMEN EMPOWERMENT

Branch Counselor : Mr. Shiva Prasad (ECE Dept),
NMREC IETE ISF Coordinator

Chairman: C. Pranay
Secretary: Umesh
Treasurer: A. Pavan kalyan

Date: Jan 16th, 2021
Time: 10:30 - 11:30 AM

➤ NMREC ECE Department Conducted a Technical webinar on "**Applications of Control Systems, Signal Processing and Embedded Systems to Missile Technology**" Through ZOOM on 06th February, 2021 at 10:30 AM in Association with IETE.

Speaker:

Dr. Subir Kumar Chaudhuri, FNAE

Former Director, Research Centre
Imarat (RCI), DRDO
Visiting Prof, IIT-Bombay

➤ NMREC ECE Department Conducted a Technical webinar on "**Memristor Circuits for Neuromorphic Applications**" Through ZOOM on 20th February, 2021 at 10:30 AM in Association with IETE.

Speaker :

Dr . Ram Kaji Budhathoki,

Associate Professor, Department
of EEE School of Engineering,
Kathmandu University Dhulikhel,
Kavre, Nepal

Vidya Jyothi Institute of Technology

VJIT ECE Department has conducted career opportunities after Graduate in Association with IETE Hyderabad Centre on 29th January, 2021 at 3:00 PM in VJIT College

Speaker :

Mr. S. MANIMOHAN TRINATH

GATE/ESE TRAINER

Essay Writing of 1st Prize Winner of National Science Day

Theme: Science, Technology and Innovation

Science: The intellectual and practical study of physical or natural phenomena through experiment and observation.

Technology: The application of scientific knowledge for practical purposes.

Innovation: Innovation is creation, development, and implementation of a new product or service, which is efficient, effective and has competing advantages.

STI (Science, Technology & Innovation) :

STI is a key driver for our economic growth and development. STI has now universally recognized as one of the main drivers and considered in national strategic plan.

STI plays a vital role in today's technological and scientific world.

Importance of STI:

STI is very important to compete in the fast-growing world. To make ourselves succeed in manufacturing or in our respective jobs it is necessary to be innovative because implementing new thoughts leads to creation of better goods and services. So, to make this happen, we should start implementing the latest findings of Basic Science & Technology for upgrading our lives in tune with the times.

STI Impact on Education:

If we observe the past teaching practices and the present we have a vast change. This change in education was possible only because of Science, Technology & Innovation. They inspired the student to become passionate on what they are learning. The instructions now use laptops, flexible – panels instead of textbooks. This gives the teaching process more flexibility, easy to understand and better assessment of the students' understanding of the subject and know his capabilities & competitiveness.

Moreover understanding virtually by seeing the pictorial form, the students gain more interest & knowledge on learning. All this is made possible only by STI.

Skills:

Skills are crucial for human beings to acquire and apply knowledge in day to day life to the best of his capabilities. STI makes people to improve their skills by systematically developing interest in their careers and improving their knowledge. Without STI human beings may not have gained the skills required for living in today's complex world.

Work Place:

Science, technology & Innovation have made a strong platform for the growth of interdisciplinary sectors like, Ministry of Education, Agriculture, Industrialization, Military, Medical fields. They made the work place to increase economic growth by reducing energy consumption, alleviating poverty, and mitigating the effects of climate change.

Finally Science, Technology & Innovation gave benchmarks and standards in every sector and paved the way to make the country's economy to grow and stand tall in the present day high technology world.

(From the first prize winning essay on the National Science Day: Feb 28, 2021)

Winner Name: Ms. G. Neena Kumari, ECE Dept., Siddhartha Institute of Engineering & Technology

R & D Projects

❖ Mini Projects / Major Projects / Internships / Workshops / Virtual Industry Visits / Short Term Courses

- Diploma/ B.E./B.Tech./ M. Tech (ECE/EEE/CSE/EE/IT/CSIT)
- All Domains of Specializations with Industrial Experts
- Innovative Projects with hands on training
- Project Exhibition

Please visit : www.ietehyd.org , email : info@ietehyd.org



National Science Day at IETE HYD

పియూలో సైన్స్ దినోత్సవం
 ఉస్మానియా యూనివర్సిటీ, ఫిబ్రవరి 28: ఉస్మానియా యూనివర్సిటీలో మెకాస్టార్ ఆడిటోరియంలో సైన్స్ దినోత్సవాన్ని ఆదివారం పునంగా నిర్వహించారు. ది ఇన్స్టిట్యూషన్ ఆఫ్ ఎలక్ట్రానిక్స్ అండ్ టెలికమ్యూనికేషన్ ఇంజనీరింగ్ (ఐఈటీఈ) ప్రొఫెసర్ డాక్టర్ డాక్టర్ దశరథ్ రామ్ ముఖ్య అతిథిగా హాజరయ్యారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ దేశాభివృద్ధిలో సైన్స్ అండ్ టెక్నాలజీ పాత్ర ఎంతో కీలకమని అన్నారు. శాస్త్ర, సాంకేతిక రంగాల్లో అందించిన సేవలకు గాను పద్మశ్రీ అవార్డు గ్రహీత, ఐఈటీఈ డిప్యూటీ డైరెక్టర్ ప్రొఫెసర్ లీఎల్ డిక్షితులును సన్మానించారు. ఈ కార్యక్రమంలో ఐఐఐటీలో ఐఎస్ఎస్ఐ సీనియర్ సైంటిస్ట్ డాక్టర్ బయ్యయ్య నారాయణ, ఐఈటీఈ ప్రతినిధులు జ్ఞానేశ్వర్ రావు, సూరి నమశ్శివాయ, ప్రొఫెసర్ సీఆర్ శర్మ, డాక్టర్ సీత రాంబాబు, సుబ్బిరెడ్డి, దేవయ్య పాల్గొన్నారు.

సామవారం మార్చి 1, 2021
“పరిశోధన రంగంలోకి రావాలి”
 ఉస్మానియా యూనివర్సిటీ, డాక్టర్ రామ్ దాశరథి, విద్యార్థులు మరియు అధ్యాపకులు ఈ కార్యక్రమంలో పాల్గొన్నారు. ఉస్మానియా యూనివర్సిటీలో ఆదివారం ఉత్సాహంతో జరిగిన సైన్స్ దినోత్సవం, ఐఈటీఈలో జరిగిన సందర్భంగా వివరించారు. కార్యక్రమంలో
 Date : 01/03/2021 EditionName : TELANGANA (HYDERABAD)
 PageNo :

తెలంగాణ



Editorial Team
 Er. K. Gnaneshwar Rao
 Er. Nuli Namassivaya
 Dr. K. Seetha Ram Babu
 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

Advertisement Tariff:
 Full Page : Rs 10,000
 Half page : Rs 5,000
 Quarter page : Rs 2,500.

Published by: The Institution of Electronics and Telecommunication Engineers (IETE)
 Adjacent: Director, P G Admissions Office, O U Campus, Hyderabad - 500 007, T.S. India.