



## Events organized in the department

### Guest Lecture on “Professional Broadcasting in 5G Era”

A guest lecture was organized in Department of ECE on 28<sup>th</sup> March 2023 from 10:30AM in ECE Seminar Hall for which Dr D. Ranganadham, Deputy Director General (Engineering) and Head Door darshan Kendra Vijayawada, was the resource person. Dr Shaik Fayaz Ahamed, Dr A Vijaya Sankar Associate Professors, ECE, Mrs. Y Sarada Devi Assistant Professor ECE were the faculty coordinators of the guest lecture. Dr Ranganadham explained the concepts of Broadcasting in present scenario, DD Mobile and wireless Broadcasting, 5G, 5G in India and Govt initiatives and influence of 5G in Broadcasting.



Dr D. Ranganadham gave a brief note on how transmission and reception are done using DTT. He grabbed the attention of students by explaining about LU600c the most cost-effective professional live video newsgathering unit. He explicated that he LU600c uses broadcast-grade HEVC (High Efficiency Video Coding) encoding, allowing professional broadcasters to benefit from flawless live HD video feeds with significant bandwidth efficiency. He the enlightened students about indigenous 5G Test bed Access developed by eight R&D institutes of India with a funding of Rs. 224.01 crores by the Department of Telecom, Government of India. The session provided an excellent opportunity for the students to learn about broadcasting and the technological importance of 5G.

## Guest lectures by faculty

- Dr Shaik Fayaz Ahamed delivered a guest lecture on “Real-Time Live Streaming of Sensory Data on Cloud” at SRM Institute of Science & Technology, Ramapuram, Chennai through online mode on 15<sup>th</sup> March 2023.
- Dr. P. Sarah Suhasini shared her expertise on “Machine Learning in Computer Vision” to the students and faculty of DMS SVH College of Engineering College, Machilipatnam on 31<sup>st</sup> March 2023

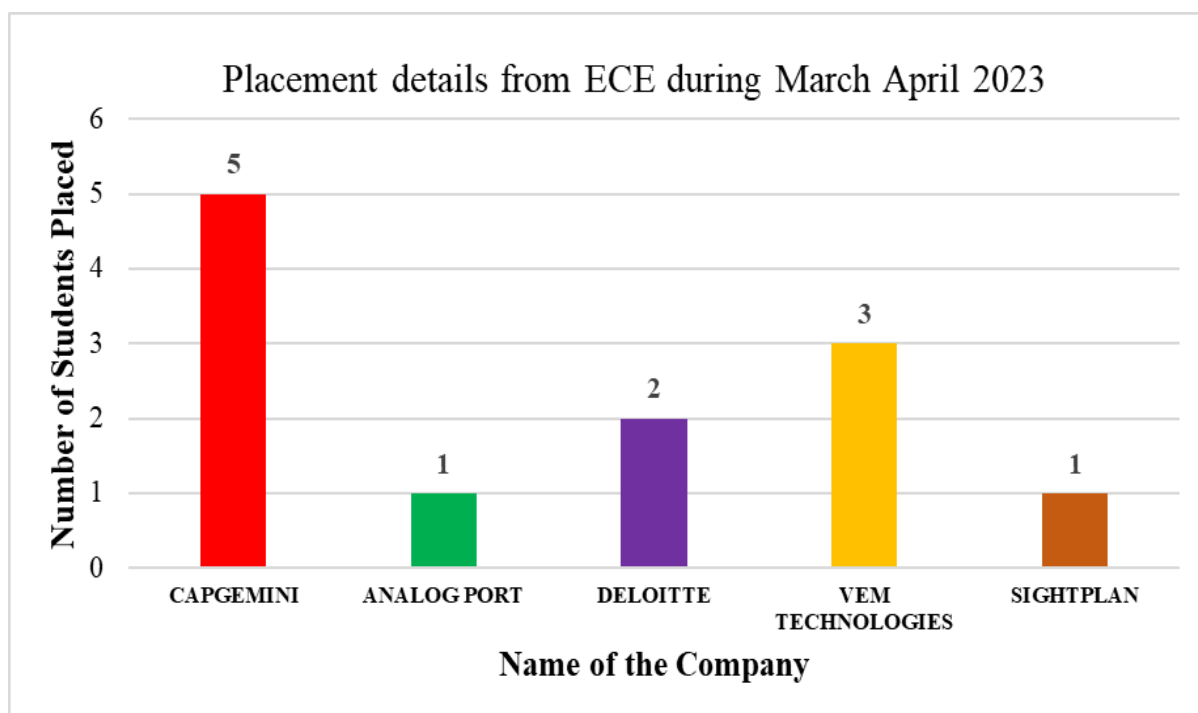
## Faculty Participation in Conferences

- Dr G Kishore Kumar, Siddarapu Meeravali, Sura Rajitha, Upputholla Teja Sai, Manne Durga Sri presented a paper titled “Design and Analysis of an Efficient Stationary Wavelet-Transform for EOG Signal Denoising” to International Conference on Next Generation Intelligent Systems ICNGIS 2022 Published 30 March 2023 at Kottayam, Kerala SCOPUS 978-1-6654-6792-6 IEEE
- Sistla Jyothirmy, Ravi Raja A, Gottam Geethika, Seetha Bharath Sai, Buddhanti Saiteja presented a paper titled “Stress Monitoring in Humans using Biomedical Signal Analysis” at Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT 2023) ICEEICT 2023 on 05th April 2023 at K. Ramakrishnan College of Engineering Tiruchirappalli, Tamil Nadu, INDIA IEEE.
- Siva Reddy Vanga, Lalithanjani Udayagiri, Lohitha Kukkala, Kiran Kumar Remalli, V S S S S Saketh Lolabhattu presented a paper titled “Smart Cane for Blind People” at 10th International Conference on Signal Processing and Integrated Networks ,Department of Electronics and Communication Engineering ASET, Amity University, Sec-125, Noida, Delhi-NCR, India SPIN-2023 on 24th March 2023 978-1-6654-9100-6
- Siva Reddy Vanga, G Babu, V Kishen Ajay Kumar, Sagaya Aurelia, B Sreedhar, Sankararao Majji presented a paper titled “Preventing Data Leakage and Traffic Optimization in Software-Defined Programmable Networks” at International Conference on Innovative Data Communication Technologies and Application” (ICIDCA 2023) organised by Graphic Era Hill University, Dehradun
- Mr. P. Satyanarayana, K. Bhoomika, D. Mukesh, P. Srujana, R. Manasa Bai, Yadavalli S S Sriramam presented a paper titled “Implementation of improved Energy Balanced Routing Protocol to Enlarge Energy Efficiency in MANET for IoT Applications” in IEEE 9th International Conference on Advanced Computing and Communication Systems ICACCS 2023 conducted during 17th and 18th March 2023 at Sri Eshwar College of Engineering, Coimbatore.
- Mr. P. Satyanarayana Gokul Sriram Guptha Maremalla, G. Phanindra, A. CH. R. R. Devi, K. Anantha Rajya Lakshmi, Yadavalli S S Sriramam presented a paper titled “Enhancement of Network Lifetime in Wireless Sensor Networks using modified Cluster head selection algorithm” in IEEE 9th International Conference on Advanced Computing and Communication Systems ICACCS 2023 conducted during 17th and 18th March 2023 at Sri Eshwar College of Engineering, Coimbatore
- Mr. P. Satyanarayana, N. Siva Naga Malleswari, Dingari Kalpana, M. Arun, S. Marlin, N. Bala Sundara Ganapathy presented a paper titled “Enhancement of Network Security in MANET by using Guided Whale Optimization Algorithm (GWOA) for solving multiobjective optimization” in IEEE 9th International Conference on Advanced Computing and Communication Systems ICACCS 2023 conducted during 17th and 18th March 2023 at Sri Eshwar College of Engineering, Coimbatore
- Dr. P. Sarah Suhasini N J N V D Tanuja, N Srivani, V Lakshmi Priya, N Vamsi Krishna participated in International Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication, and Computational Intelligence RAEEUCCI 2023 and presented a paper titled “Performance Comparison of Deep Learning Techniques for Classification of Fruits as Fresh and Rotten organised during 19-21 April 2023 at SRM Institute of Science and Technology, Chennai, SCOPUS
- M.Bindu Priya, Hari Kishan Neelakanta, Prasanna Kommoju, Devi Sai Revanth Ogirala, Pacharla Naga Suneel participated in Second International Conference on Electronics and Renewable Systems (ICEARS 2023) organised at Tuticorin, India by St. Mother Theresa Engineering College and presented a paper titled “Co-existence of LTE communication with WLAN Unlicensed bands : A Review” during 2nd to 4th , March 2023 10.1109/ICEARS56392.2023.10085163
- M.Bindu Priya, Devineni Swetha, B.Leela Srilakshmi, P.Srinu Swami, K.Syam Sai Kumar participated in Second International Conference on Electronics and Renewable Systems(ICEARS 2023) organised at Tuticorin, India by St. Mother Theresa Engineering College and presented a paper titled “Review on retinal blood vessel segmentation” during 2nd to 4th , March 2023 10.1109/ICEARS56392.2023.10085099

- M.Sree Chandana, C. Sridevi, R.Akash Chowdary, D. Likhitha participated in Second International Conference on Electronics and Renewable Systems (ICEARS2023) at St. Mother Theresa Engineering College, Tuticorin, TN and presented a paper titled “Automated Aquaponics Farming using Internet of things” Published on 5th April 2023 979-8-3503-4663-3 doi: 10.1109/ICEARS56392.2023.10085340
- Dr G Kishore Kumar, Srinivas Pavan Jonnalagadda\*, Ram Kumar Avutapalli\*, Venkata Jayasri Pranitha Bobbadi\*, Keerthi Bagati\* participated in The second International Conference on the Paradigm shifts in Communication, Embedded Systems, Machine Learning and Signal Processing (PCEMS 2023) PCEMS 2023 and presented a paper titled “Design Of Wallace Multiplier Using Novel Approximate 4:2 Compressors” during 05th to 06th April, 2023 at Visvesvaraya National Institute of Technology, Nagpur, India IEEE
- Dr G Kishore Kumar, Kandi Naveen\*, Vishnubhatla Sai Lakshmi Manonmai\*, Murala Sri Jaya Nikhitha\*, Vasireddy Pradeep\*, participated in Second International Conference on Electrical, Electronics, Information and Communication Technologies ICEEICT 2023 and presented a paper titled “VLSI Architecture of a High Speed Polar Code Decoder using Finite Length Scaling LDPC Codes” during 05th to 07th April 2023, at K.Ramakrishnan College of Engineering, Trichirappalli, Tamil Nadu
- Y Sarada Devi, Movva Ganesh Kasyap, A Gayatri, Y Chandana, VV Naik, presented a paper titled “Design of Traffic Monitoring System by Greedy perimeter stateless routing Protocol” in International Conference on Paradigms of Communication, Computing and Data Analytics PCCDA 2023 organised during 22nd and 23rd April 2023 at Dr Akhilesh Das Gupta Institute of Technology & Management and Soft Computing Research Society, Delhi, Scopus
- M.Sunitha, K Bhavana, A Swathi, K Divya, P Deshmanth participated in Second International Conference on Electronics and Renewable Systems ICEARS 2023 and presented a paper titled “Automatic Pothole and Humps on Roads Detection and Notification Alert” organised during 2nd to 4th March 2023 at St. Mother Theresa Engineering College, Tuticorin, India. SCOPUS
- Dr G Kishore Kumar, Soumica Cheemalakonda, Sudeeksha Chagarlamudi, Bhasita Dasari, Shaik Sameera Sulthana participated in 6th International Conference on Devices, Circuits and Systems (ICDCS) and presented a paper titled “Area efficient 2D FIR filter architecture for image processing applications” during 21st and 22nd April 2022 at Karunya University SCOPUS 978-1-6654-8094-9
- R V H Prasad, Nidamarthi Lohita Datta, Aafreen Tabassum, Jandhyam Bhaavani, Koppuravuri Yaswanth Raj Kumar participated in International Conference on Advanced Computing & Communication Systems ICACCS-2023 and presented a paper titled “Design and Development of Dust Detection and Filtering System” during 17th and 18th March 2023 at Sri Eshwar College of Engineering, Coimbatore, India IEEE & SCOPUS 10.1109/ICACCS57279.2023
- R V H Prasad, Velpula Soniya, Shaik Karishma, Devarapalli Vamsi, Kota Ravi Shankar participated in International Conference on Advanced Computing & Communication Systems ICACCS-2023 and presented a paper titled “IoT Based Smart Way of Watering Plants and Feeding Pets” During 17th and 18th March 2023 at Sri Eshwar College of Engineering, Coimbatore, India IEEE & SCOPUS 10.1109/ICACCS57279.2023
- Dr M Padmaja, V. Sindhu Priya, C. Hema Naga Dontu, B. Sulochana Devi and P. Praveen Kumar participated in 4th International Conference on Signal Processing and Communication ICSPC and presented a paper titled “Surveillance System for Improved Energy Efficiency Using LoRa Technology”, during 23rd and 24th March 2023 at Karunya University IEEE/ SCOPUS 10.1109/ICSPC57692.2023 IEEEExplore
- Dr.A. Jhansi Rani, Yoga Harshitha Parakoti, Sai Lakshmi Praveena Jallipalli, Aslesh Sai Y. Krishna participated in International Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication, and Computational Intelligence (RAEEUCCI) to present a paper titled “Design of Two Element Array Microstrip Patch Antenna for Wi-Max Applications” during 19th to 21st April 2023 at Dept.of ECE, SRM Institute of Science and Technology, Chennai DOI: 10.1109/RAEEUCCI57140.2023.10134309 IEEEExplore
- M.Sunitha, K.Bhavana, K.Divya Bhavani, A.Swathi, P.Deshmanth participated in 2nd International Conference on Electronics and Renewable Systems, ICEARS 2023 to present a paper titled “Automatic Pothole and Humps on Roads Detection and Notification Alert” during 23rd and 24th March 2023 at St. Mother Theresa Engineering College, Tuticorin, India SCOPUS 979-8-3503-4664-0 IEEE
- M.Sunitha, Surendra Reddy S, Leela Priyanka M, Lakshmi Narayana S, Sri Lakshmi V participated in 6th International Conference on Inventive Computation Technologies (ICICT 2023) to present a paper titled “Detection of Metastasis in Breast Cancer Patients Using Deep Neural Networks by Ensemble Stacking” on 26th April 2023 at Tribhuvan University, Nepal. SCOPUS 979-8-3503-9849-6 IEEE

- K.Premchand, A.Tarun, Dr. A. Jhansi Rani, participated in IEEE I2CT 2023 to present a paper titled “ Antipodal Vivaldi Antenna with Rectangular Loaded Slots for Radar and Tracking Applications” organised during 7th to 9th April 2023 IEEE & Scopus
- Dr. A. Vijayasankar, Bhavyasai B, Ramalakshmi A, SaiGeetha Sravani B participated in 8th international Conference on communications and electronics systems ICCES 2023 to present a paper titled “Performance evaluation of RAKR receiver using Rayleigh fading channel in terms of bit error rate” at PPG Institute of technology, Coimbatore IEEE & Scopus
- Dr. G. L. Madhumati, Nishanth Addepalli, Ravi Kanth Pabolu, Siva Ganesh Chennuru, Vara Lakshmi Vissampalli participated in IEEE 2023 8th International Conference for Convergence in Technology (I2CT) to present a paper titled “Conversion of American Sign Language to Text Using Deep Learning for Feature Extraction and Naive Bayes for Classification” organised during April 07th to 09th, 2023 by IEEE Bombay Section,Pune, Maharashtra ,Proceedings By IEEE 979-8-3503-3401-2/23 IEEE
- Dr Venkata Rao Dhulipalla, Sanepalli Pavan Kumar Reddy, Chidaraboina Anusha, Dendukuri Bhoomika, Rayalla Venkateswarlu participated in Second International Conference on Electronics and Renewable Systems (ICEARS) to present a paper titled “ Image Security is Improved by Super Encryption using RSA and Chaos Algorithms” during April 2023 Scopus 10.1109/ICEARS56392.2023.10085142 IEEE Explore

## *Placement Details..... March April 2023*



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