



Events organized in the Department

Mrs. M. Bindu Priya, Mrs. K.V. Ratna Prabha, Assistant Professors Dept of ECE organized 5-day training program on machine learning & deep learning from 5th to 9th February 2024 for III Btech ECE students. Keynote speakers were the Dr. T. Pratap Assistant Professor and Dr P. Sarah Suhasini Associate Professor Dept of ECE VRSEC. Artificial Neural Networks Introduction Training and Testing of Dataset. Alex net and Resnet CBR Configuration Support Vector Machine algorithm explanation. Python Basics and Implementation in MATLAB were the topics covered.



Publications

- Venkata Sainath Gupta, Thadikemalla, Niels K. Focke, and Sudhakar Tummala. "A 3D Sparse Autoencoder for Fully Automated Quality Control of Affine Registrations in Big Data Brain MRI Studies." Journal of Imaging Informatics in Medicine (2024): 1-16. <https://doi.org/10.1007/s10278-023-00933-7>
- Vanka Saritha, C.Chandrasekhar," A Miniaturized slotted planar MIMO antenna with switchable configuration for Dual/ Triple Band notches", AIP Advances, Vol-14, Issue-2, Feb-2024, DOI: 10.1063/5.0190950.
- Sridevi Kadiyam and A. Jhansi Rani "Performance Evaluation of Concentric Hexagonal Array for Smart Antenna Applications"High Performance Computing, Smart Devices and Networks, Lecture Notes in Electrical Engineering 1087, https://doi.org/10.1007/978-981-99-6690-5_23 pp 313-323

Publications with students.....

- S. Navya Vijaya Lakshmi, A. Jhansi Rani and V.Saritha "A Compact Penta Band Notched UWB Antenna Using Modified U- Slots and EBG Structures" Recent Advances in Wireless Communications & Emerging Technologies (RAWCET 2022) Journal of Physics: Conference Series 2471 (2023) 012001 IOP Publishing doi:10.1088/1742-6596/2471/1/012001 pp:1-8
- Bhavyasree, Ramalakshmi, Geetha Sravani, STP Venkata Raghavan, A. Vijayasankar," Performance Evaluation of RAKE receiver using Rayleigh Fading channel in terms of bit error rate", ICCES 2023. ISBN: 979-8-3503-9663-8, doi: 10.1109/ICCES57224.2023.10192621.

- Gnaneshwari, Srinivas, Bhaskar Reddy, A. Vijayasankar, “Early Heart, Disease detection with extreme data approach using ensemble learning techniques” ICCES 2023. ISBN: 979-8-3503-9663-8, doi: 10.1109/ICCES57224.2023.10192651.
- Y. Sarada Devi, A. Vijayasankar, and D. Venkata Rao “Work from Home and its Impact on Lifestyle of Humanoid in the Context of COVID-19”, Computational Methods in Psychiatry, Springer, December 2023, pp 165–178. DOI: 10.1007/978-981-99-6637-0_8.
- P. Vinay, A. Sanjaybhargav, U. Sakhitha and K. S. Ramtej, "LoRaWAN based Environmental Monitoring for Smart Campus," 2023 9th International Conference on Signal Processing and Communication (ICSC), NOIDA, India, 2023, pp. 120-124, doi: 10.1109/ICSC60394.2023.10441519.
- K. N. S. Sarvani, P. Nalluri, A. B. Srujana and K. S. Ramtej, "Prediction of Sudden Cardiac Arrest using Machine Learning," 2023 2nd International Conference on Automation, Computing and Renewable Systems (ICACRS), Pudukkottai, India, 2023, pp. 965-969, doi: 10.1109/ICACRS58579.2023.10404350.

FDPs/ Workshops/ Seminars attended by faculty

- Mrs Vanka Saritha attended webinar on Opti system for optical communication and amplifier design simulation techniques conducted by IETE-SF, K. C. College of Engineering and & Management studies & Research, Thane on 23rd Feb 2024.
- Dr A Jhansi Rani attended the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by UGC – MMTTC, Sri Venkateswara University, Tirupati from 22nd Jan to 31st Jan 2024.
- Dr A Vijaya Sankar attended the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by UGC – MMTTC, Sri Venkateswara University, Tirupati from 22nd Jan to 31st Jan 2024.
- Dr Sk Fayaz Ahamed attended the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by UGC – MMTTC, Sri Venkateswara University, Tirupati from 22nd Jan to 31st Jan 2024.

Students Achievement



Mr K. Karthik and Mr K. Umesh Manikanta of II Btech won 1st prize in the event Tricky Circuit organized by Dept of ECE at R.V.R & J.C College of Engineering on 16th Feb 2024

M.Gowthami, G.Naga Durga Vani, B.Mary Rani of II Btech won 2nd prize in the event Circuitrix organized by Dept of ECE at SRK Institute of technology 06th March 2024



AFOSEC 2024 ----- ECE

V R Siddhartha Engineering College organised a two-day national level techno cultural fest AFOSEC 2024 in which 4 national level competitions like were organised. Almost 3000 students from reputed institutes participated in the fest. Voltage Quest to identify, debug, and connect various electronic circuits Infinity Tech to showcase to present a ppt presentation on present technology Electronics Project Expo to display an electronics project that the participant has done Byte Battle to discuss and debate on the given technical topic Telugu Movies Quiz to answer different trivia questions on Telugu movies, Stick It Right to find the given people in our college and stick a sticky note on each of them quickly, Minute To Win It to pop a random balloon and do the dare that is given inside it in 1 minute, Blindfold Drawing to draw the incomplete drawing neatly while being blindfolded were the technical and non-technical events organised in the department .



**AFOSEC
2024**

Department of ECE

Vision

To produce globally competitive and socially sensitized engineering graduates and to bring out quality research in the frontier areas of Electronics & Communication Engineering.

Mission

To provide quality and contemporary education in the domain of Electronics & Communication Engineering through periodically updated curriculum, best of breed laboratory facilities, collaborative ventures with the industries and effective teaching learning process.

To pursue research and new technologies in Electronics & Communication Engineering and related disciplines in order to serve the needs of the society, industry, government and scientific community.

PSOs

PSO1 Demonstrate proficiency in design, development and implementation of application oriented engineering systems using VLSI and IOT

PSO2 Implement functional blocks of hardware / software designs for signal processing and communication applications

POs

- PO1 → Engineering knowledge
- PO2 → Problem analysis
- PO3 → Design/development of solutions
- PO4 → Conduct investigations of complex problems
- PO5 → Modern tool usage
- PO6 → The engineer and society
- PO7 → Environment and sustainability
- PO8 → Ethics
- PO9 → Individual and team work
- PO10 → Communication
- PO11 → Project management and finance
- PO12 → Life-long learning

V R Siddhartha engineering College

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