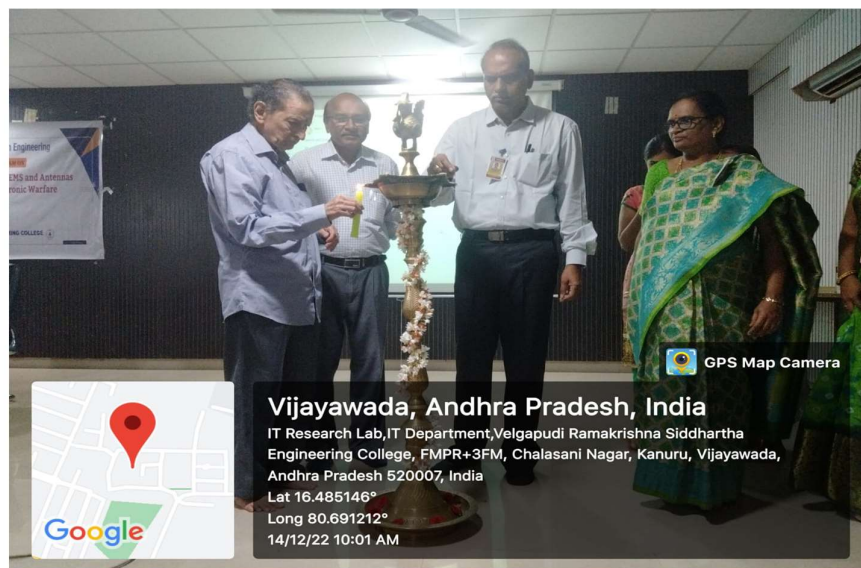




Events organized in the department

Design Aspects of RF Devices and Mems Beyond 5G Communications

A Faculty Development Program on “Design Aspects of RF Devices and Mems Beyond 5G Communications” was organized from 14 Dec to 16 Dec by the Antenna Research group of ECE department, VR Siddhartha Engineering College sponsored by Siddhartha Academy of General and Technical Education. The chief guest Dr. N N Sastry Ex-Associate Director, Scientist- G, DLRL. delivered a keynote address on design aspects of RF Devices. Dr. A V Ratna Prasad, Principal, V.R.S.E.C. and Dr. D. Venkata Rao, Head of the department addressed the participants. Dr. A Jhansi Rani, Research Group Coordinator explained about the objectives of FDP. Eminent scientists from STARC- DRDO and NSTL delivered their Lecture on latest trends. Mr. J Chaitanya Kumar and Mr. Chiranjeevi Lakavath from (STAR-C), DRDO, Ministry of Defence, Bangalore explained about Product Development from MEMS sensors and current requirements in RF through LTCC. Dr. Anil Kumar CH, from NSTL, DRDO explained about Defence Antenna Applications. All the sessions on the three days went very well providing a chance to enhance the knowledge of faculty from various colleges giving them present day Research opportunities. Later at the end of the event the Research Group Coordinator distributed participation certificates to all the attendees and congratulated the efforts put by Organizers of the event.



FDPs/Workshops/Seminars attended by the faculty

- Dr.P.Vijaya Kumar One Week National Level Online Faculty Development Program on “Recent Trends in Artificial Intelligence and Cyber Security” Sri Vishnu College For Women.Bhimavaram 01 to 05 November 2022
- Dr.P.Vijaya Kumar One Day International Seminar On , “Deep learning techniques on medical image classification” M.Kumarasamy College Of Engineering,Tamilnadu on 11.11.2022
- Dr. A. Jhansi Rani attended 3 Day Faculty Development Program Design and Practical Aspects of RF Devices, MEMS, and Antennas for 5G Communications, Radar and Electronic Warfare.ECE Department, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada from 14-12-2022 to 16-12-2022
- Dr. P.Sarah Suhasini Workshop on Geospatial Data Science IIT Tirupati Navavishkar I-Hub Foundation 09.12.2022 To 14.12.2022
- Mr. Ch. Raghavendra attended 3 Day Faculty Development Program Design and Practical Aspects of RF Devices, MEMS, and Antennas for 5G Communications, Radar and Electronic Warfare.ECE Department, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada from 14-12-2022 to 16-12-2022
- Mrs V Sarita attended two-day online workshop on Quality initiatives for higher educational institutions through research, innovation, start-ups’ and Entrepreneurships Srinivasa Ramanujan Institute of Technology, Ananthapuramu 18.11.2022 to 19.11.2022
- Mrs V Sarita attended 3 Day Faculty Development Program Design and Practical Aspects of RF Devices, MEMS, and Antennas for 5G Communications, Radar and Electronic Warfare. ECE Department, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada from 14-12-2022 to 16-12-2022
- Smt.B.Alekhya attended two day online workshop on Quality initiatives for higher educational institutions through research, innovation,startup’s and Entrepreneurships Srinivasa Ramanujan Institute of Technology, Ananthapuramu 18.11.2022 to 19.11.2022
- Smt.B.Alekhya attended 3Day Faculty Development Program Design and Practical Aspects of RF Devices, MEMS, and Antennas for 5G Communications, Radar and Electronic Warfare.ECE Department, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada from 14-12-2022 to 16-12-2022
- Mrs B Alekhya attended 5-day offline FDP on “Deep Learning in Computer Vision: An End-to-End Pipeline” ECE Department, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada 27/12/2022 - 31/12/2022
- Mr A Ravi Raja attended summer school on “Artificial Intelligence In Remotely Sensed Image Analysis: A Review of Application & Current Research “Dept of CSE, VRSEC 31-10-22 to 5-11-22
- Mrs K Sneha attended Workshop on Demystifying Machine Learning for the Design of Microelectronic Systems IEEE IISc MTT/APS- Student Branch Chapter on 6-12-22
- Mrs K Sneha attended Workshop on Low Power Cryo-CMOS Design for Quantum Computing Applications IEEE IISc MTT/AP-S Student Branch Chapter 16-12-22
- Mrs K Sneha attended Five-day offline FDP on Deep learning in computer vision: an end-to-end pipeline Dept of ECE, VRSEC 27-12-22 to 31-12-22
- Mr.G. Venkata Subbaiah attended Summer school on “Artificial Intelligence In Remotely Sensed Image Analysis: A Review of Application & Current Research “Dept of CSE , VRSEC 31-10-22 to 5-11-22
- Mrs N.S.N. Malleswari attended 3Day Faculty Development Program Design and Practical Aspects of RF Devices, MEMS, and Antennas for 5G Communications, Radar and Electronic Warfare. ECE department, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada from 14-12-2022 to 16-12-2022

Achievement of faculty

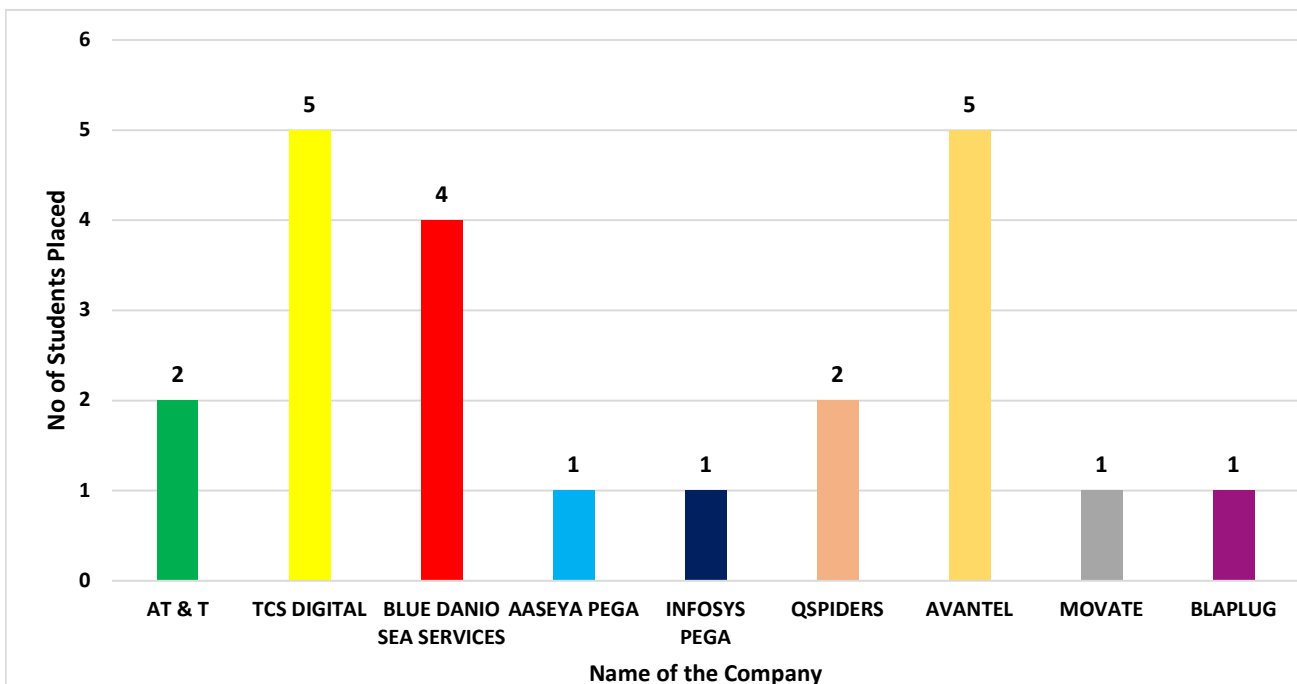
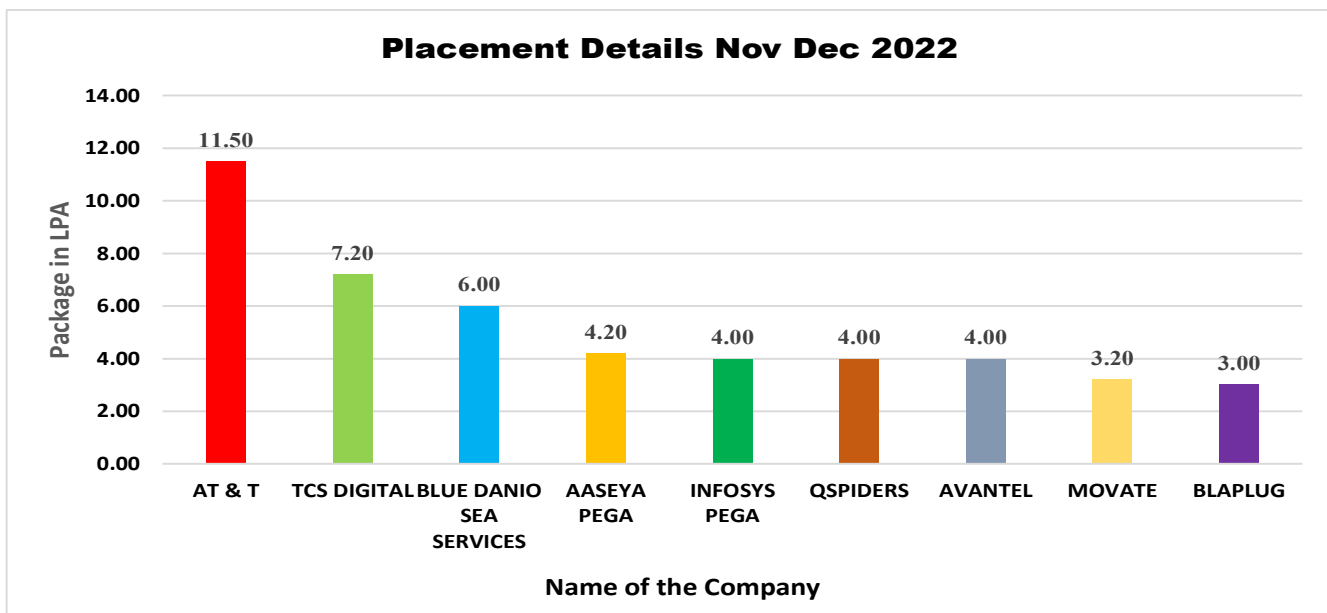
- Dr Venkata Sainath Gupta T was awarded with the evaluator certificate for Smart India Hackathon - 2022 organized by the Ministry of education (MoE), Government of India.
- A patent titled “A System and a Method for Automated Quality Control of Affine Registrations in Big Data Brain MRI” by Venkata Sainath Gupta Thadikemalla, Sudhakar Tummala was filed on 15.11.2022 with application number 202241065452 which got published 25.11.2022



Publications by faculty

- P.Satyanarayana, G.Diwakar, B.V.Subbayamma, N.V.Phani Sai Kumar, M.Arun, S.Gopalakrishnan “Comparative analysis of new meta-heuristic-variants for privacy preservation in wireless mobile adhoc networks for IoT applications” Computer Communications, Volume 198, January 2023, Pages 262-281. (Elsevier, SCIE, Q1).
- P. Satyanarayana, Usha Devi Yalavarthi , Yadavalli S S Sriramam, “ Implementation of Enhanced Energy Aware Clustering Based Routing (EEACBR)Algorithm to Improve Network Lifetime in WSN’s “ 2022 IEEE 2nd International Conference on Mobile Networks and Wireless Communications (ICMNWC), Sri Siddhartha Institute of Technology, Tumakuru, 2nd-3rd December, 2022. (IEEE Conference).
- Sridevi Kadiyam and Jhansi Rani A. Performance Evaluation of Concentric Hexagonal Array for Smart antenna applications 3rd International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks (CHSN-2022) Jointly organized by Jawaharlal Nehru Technological University Kakinada, Prof. CHSN Research Foundation, Kakinada, Institute of Bioinformatics and Computational Biology (ICB), Visakhapatnam BioAxis DNA Research Centre (P) Ltd, Hyderabad, 28-29, December 2022.

Placement Details..... Nov & Dec 2022



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 the use of IOT required in real life applications.

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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