S.V. COLLEGE OF ENGINEERING TIRUPATI

COMMUNIQUE

--- News Letter---

V O L U M E- 24

Jan-June- 2024

Department of
Electronics and Communication Engineering

Email: hod_ece@svce.edu.in | Website: svce.edu.in

Electronics and Communication Engineering

Vision and Mission of the Department

Vision
- To be a focal centre for academic excellence in competing global standards and dynamics in the field of Electronics and Communication Engineering with research and services focusing on effective communication skills, entrepreneurial, ethical and social concern.

Mission
- To impart quality technical education in Electronics and Communication Engineering with well established infrastructure, state- of- the art laboratories, core instructions and cognizant faculty.
- To prepare the young and dynamic Electronics and Communication Engineers professionally deft and intellectually adept with knowledge, behavior and information competency.
- To enable the learners for Changing Trends in the field of Electronics and Communication Engineering with a focus on career guidance, placements and higher education by Industry-Institute relationship.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1- Graduates should be cognizant in basic science, fundamental engineering stream along with core related domains in ECE and Allied fields.

PEO2- Graduates should understand issues related to design, problem solving, and intellectually adept with knowledge, behavior and information competency.

PEO3- Graduates should demonstrate their technical, communication, research, aptitudes along with leadership skills in professional environment to empower employability, higher education and entrepreneurs successfully through industry-institute interaction.

PEO4- Graduates should be motivated with high ethical, human values and team work towards development of the society.

About Dept. of ECE

- Electronics and communication engineering has emerged as the major driving force behind the present day Information Technology revolution acting as a bridge between different disciplines of engineering and technology.
- It has penetrated into other prominent sectors such as health care, instrumentation, agriculture, automation, signal processing, remote sensing etc..,
- The recent developments such as IoT and Artificial Intelligence and the mercurial advancements in the field of communications, such as 5G, highlight the need for talented graduates who can assist their organizations in working with and manufacturing new technologies.

Principal's Message

I have great pleasure in conveying my best wishes to the Dept. of ECE for releasing the newsletter **"COMMUNIQUE"** which brings the students and teachers of various disciplines on a common platform to share and display their ideas and creative talents, I wish all the students who have involved in bringing out the newsletter for their greater success and career ahead.

Dr. N.SUDHAKAR REDDY, ME, Ph.D, FIE, MISTE.
PRINCIPAL

HOD's Message

The Department of Electronics and Communication Engineering has been providing Excellent Opportunities for the students to explore & exhibit their academic , Co-curricular & Extra-curricular activities.

This newsletter is an attempt to highlight the achievement of the department, in spite of the space constrain we have showcased the best and look forward to have more in the future on a quarterly editions. I wish good luck to the entire team of editors and look forward for your kind patronage to our newsletter **"COMMUNIQUE".**

Dr.D SRINIVASULU REDDY, M.Tech, Ph.D

HOD ECE, SVCE Tirupati.

CONFERENCES / SEMINARS/FDPS

- A Webinar on "Job opportunities in VLSI / Semiconductor Industry" is being organized by ECE Department for III ECE students on 02-03-2024. The resource person is Mr. P. Manoj, Physical design Engineer, Takshila Institute of VLSI technologies, Bengaluru.

- Department of ECE in association with IEEE Comsoc and SPS chapter organized guest talkon "Mock Interview". Resource Person being Ms. Y. Bhavya Sree, System Designer Accenture.

- Department of ECE in association with IEEE Comsoc and SPS chapter organized guest talkon "Resume writing workshop". Resource Person being Mr. B. Ravitheja, AWS Developer EMPOWER Company.

S.V. College of Engineering, Dept. of ECE, V24-Jan- June-2024

TRAINING PROGRAMS/WORKSHOPS

- CRT training is being organized by Training and placement centre by FACE academy during the first week of February 2024.

- Department of ECE organized a Workshop on "Bluetooth Robotics with Raspberry Pi Pico" on 15-3-2024 (Friday) & 16-3-2024 (Saturday). Resource Person being Mr.R.Vikas Reddy, Robotic Parts and Embedded Micro controller Board Designer, Take off, Tirupati.

- Department of ECE in association with IETE and PACE associations organized a workshop on "FPGA architecture and programming using Verilog HDL " on 27-28 March 2024.Theresource person is Mr.K Vijay Kumar, Trainer ,Takeoff Limited, Tirupati.

- Department of ECE in association with IEEE Comsoc and SPS chapter organized two day workshop on "Internet of things" on 20-04-2024. Resource Persons being V. Nagendra Kumar, P. Sasi Kumar , K.V.L Keerthi, K. R. Surendra, and Allabaksh Shaik, Assistant Professors in ECE SVCE.

- Department of ECE in association with Placement departmentorganized a seminar on "Employability Skills & Career Awareness Program by Koutilya Institution" on 03-05-2024.The resource person are Mr.Sreedhar, Director, and Mr.N.S.Reddy, Senior Manager KOUTILYA INSTITUTION.

- Department of ECE in association with IETEorganized a webinar on "Innovation Trends & start-up Plannings In Communication Engineering" on 17-05-2024.The resource person is Dr.Dattatreya Gopi, Associate Professor, Raghu Engineering College, Vishakhapatnam.

- Department of ECE in association with IETE and PACE organized a Two day workshop on "Real Time Applications using ARDUINO" on 02-05-2024 and 03-05-2024. Resource Persons being Mr. C. Keshava Krishna Technical lead Mindronics, Bangalore.

- Department of ECE organized an awareness session on the occasion of Yoga Day, "IETE (The Institution of Electronic and Telecommunication Engineers)" and PACE organized a seminar on "Wellness and Yoga Session "on 6th May 2024. The resource person is Mr. C. Venkat ,Yoga Trainer Tirupati.

CO-CURRICULAR ACTIVITIES

- Department of ECE in association with IEEE SPS and ComsSoC student chapters organized Inaugural session for II and III year students on 27-02-2024. Principal being the guest of the event and IEEE coordinator Mr Sk Allabaksh coordinated the event.

- Department of ECE in association with Bureau of Indian Standards, Ministry of consumer affairs, food & Public distribution, Govt of India ,Vijayawada branch conducted an orientation session on "Standards Club-Maturing Ambassadors Affidards & Quality". Department of ECE, SVCE, Tirupati on 27-02-2024.

- Department of ECE in association with IETE, and student association PACE conducted technical events Project expo, technical quiz, essay writing on 28-02-2024 on the eve of National Science Day.

- Department of ECE in association with mathematics department organized a guest lecture on "Linear algebra and differential equations for engineering modelling with MATLAB" for I year ECE students. The resource person Dr. P.V Satyanarayana, Associate Professor, VIT Vellore on 22-03-2024.

- Department of ECE in association with IETE, and student association PACE conducted technical events Project expo, technical quiz, essay writing on 28-02-2024 on the eve of National Science Day.

- Department of ECE in association with IETE and PACE associations organized a Guest lecture on Wireless Communications and Embedded Systems on 01-04-2024. The resource person is Mr. Srinivas Vutukuri, Founder, Arohan Network.

- Department of ECE in association with Standard club Association organized Quiz competition on ISI/ISO standards to II and III year ECE students. Prizes are distributed to the event winners.

- Department of ECE in association with IETE & PACEorganized an event "VALINDANT 2024". The students participated in various technical and non technical activities.

- Department of ECE in association with IETE & PACEorganized an event "Valdectory session" on 25-06-2024. The students were distributed prizes for events conducted under IETYE/PACE associations.
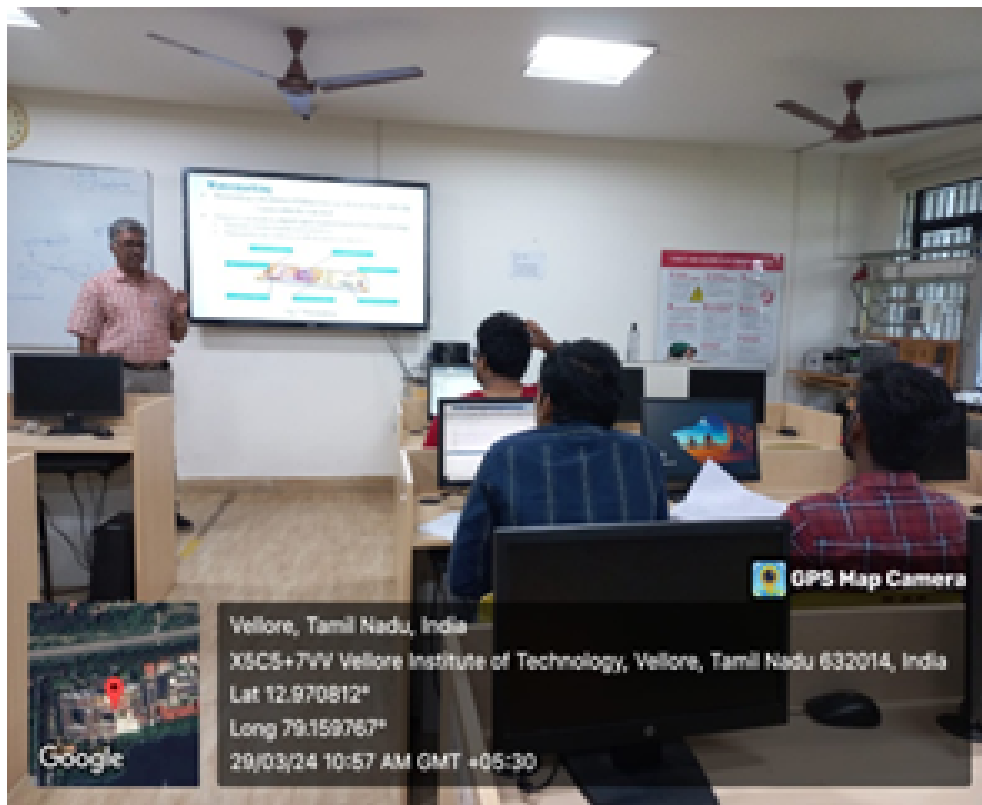
RESEARCH PUBLICATIONS

- IEEE Signal processing & Com SOC society got sanctioned 500 US dollors to support invited speakers, career development activities such as soft skill training, social functions in connection to Student Branch Chapter meetings, and similar related activities. The sanctioned amount is credited in the month of March 2024.

- Dr. V Madhurima, Gundala, S, Basha M.M., Stan, O.P. published a paper on "Input Voltage-Level Driven Split-Input Inverter Level Shifter for Nanoscale Applications". In Electronics 2024, issue 13, pp-1115 on 18-03-2024.

- Dr. G Chandraiah, Professor, Mr.P Suresh Babu Assiatant Professor of Department of ECE got funding of Rs 1,00,000/- towards the financial assistance under "Assistance to Professional bodies & Seminar/Symposia Scheme to meet the expenses to organose seminar on Emerging technologies in VLSI Chop Design: Neuromorphic Computing and Quantum Computing" on 13-05-2024. Proposal no:SSY/2024/000382.

- Mr. Sk Allabaksh, Assistant Professor of Department of ECE published a paper in Expert Systems Wiley Publishers https://doi.org/10.1111/exsy.13640. (SCIE Journal) entitled "Leveraging YOLOv5s with Optimization Based Effective Anomaly Detection in Pedestrian Walkways".

OTHER ACTIVITIES

- As a part of Alumni meet 2024 on 24-02-2024 department of ECE organized an interactive session by esteemed alumni with III and IV year students. Alumni from core sector, software and IT companies provided a valuable insight of real working environment and opportunities in the various fields.

- Dr. G. SUJATHA, Professor of SVCE has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Federated Learning: Empowering Secure and Decentralized AI Applications at SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY from 12/02/2024 to 17/02/2024.

- Mr. Sk Allabaksh , Asst Professor ECE Dept attained esteemed status of IEEE Senior Member.

- Dr. K Upendra Raju, Professor of SVCE has acted as a Resource person on "One day Hands-on session on Image Steganography using MATLAB" at VIT, Vellore.

- Mr. A Krishna Mohan ,Asst Professor ECE Dept acted as a Judge in National Level techno cultural Symposium held at SV college of Engineering, NR Palem Nellore on 10-04-2024.

- II Year ECE students visited U R RAO SATELLITE CENTRE Bengaluru on 05-03-2024.

NSS PROGRAMMES

- The students and faculty of Department of ECE attended an awareness session on the occasion of International Yoga Day on 21-06-2024.
- The students and faculty of Department of ECE attended an a dental camp on 28-06-2024 y NSS unit.

SV Colleges group was founded in 1981, based on the firm belief that education especially higher education provides a critical pathway to leadership development, economic progress, and social and political equality. Since its inception, the group has upheld a rigorous commitment to the curriculum and the programs that it offers. SV Colleges is a community where care, support and mutual respect flourishes. Our students are our first priority. We welcome you to join us and become yet another SV Colleges' success story. We empower our students to achieve professional and personal success by providing comprehensive educational experience, fostering critical thinking and encouraging lifelong learning. We are committed and dedicated to pursue excellence in our student's career by providing best in class education, training and skills necessary to become the future leaders. We train our students with the interpersonal and communication skills needed to thrive in the world beyond campus.