

S.V. COLLEGE OF ENGINEERING TIRUPATI

COMMUNIQUE

VOLUME-26

--- News Letter---

Jan-June- 2025





Department of Electronics and Communication Engineering







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

- Department of ECE organized A seminar on "Awareness session on Outcome based Education (OBE) CO PO Mapping and attainment "on 18-01-2025. Mr. SK Allabaksh, Asst. Professor in ECE Dept. acted as resource person.
- Department of ECE organized A seminar on "Enhancing Research & Development through Sponsored Project" on 03-01-2025. Dr. Subramanyam, Professor in Mech. Dept. acted as resource person.
- Dr. G Chandraiah Professor in ECE Dept. published a paper entitled Modal analysis-based ultrawideband 4 × 4 MIMO antenna with flower configuration in International Journal of Electronics and Communications Vol. 15, No. 2, April 2025(SCI)
- Dr S Salma Assistant Professor in ECE Dept published a paper entitled "Denim-Based Wearable Textile Antenna for WiMAX, Telemetry, and X-Band Applications" in SSRG International Journal of Electrical and Electronics Engineering (IJEEE)-Scopus
- Dr. P Suresh Babu Associate Professor in ECE Dept, SVCE published a paper entitled "Design and evaluation of clock-gating-based approximate multiplier for error-tolerant applications" Memories Materials, Devices, Circuits and Systems-Scopus elsevier
- Dr. V Madhurima Associate Professor in ECE Dept. SVCE published a paper entitled "Machine Learning Enabled-System for Screening Covid-19 Kind of Disease for Dense Population Sectors" Scopus Engineering Access, Vol. 11, No. 1, January-June 2025.

- Mr. A Krishna Mohan, Mr. Sk Allabaksh, Assistant Professor in ECE Dept. published a patent entitled "Real time object detection using deep learning techniques" on 13-12-2024 with an application number 202441096394A.
- Dr. S Salma, and D Srilatha Assistant Professor in ECE Dept published a patent entitled "Design and Performance Analysis of a Denim-Based Textile Antenna for Sub-6 GHz Wireless Communication Applications" with ref no 202541006374 A on 31-01-2025.





- Department of ECE, SVCE Tirupati has conducted a one day FDP entitled "MATLAB Tool Boxes" in association with MathWorks during 18-03-2025 for the Faculty, coordinated by Dr G Chandraiah, Professor in ECE SVCE. The resource person is Mr J Prem Kumar, Product Manager, Mathwork Education ARKANCE IN Private Limited.
- Dr G Chandraiah, Professor ECE Dept published a paper entitled "Modal analysis-based ultra wideband 4 × 4 MIMO antenna with lower configuration AEU" in International Journal of Electronics and Communications Volume 192, March 2025, 155685 DOI: https://doi.org/10.1016/j.aeue.2025.155685 (SCIE).
- Dr P Suresh Babu, Associate Professor ECE Dept published a paper entitled Optimal distributed generator placement for loss reduction using fuzzy and adaptive grey wolf algorithm International Journal of Applied Power Engineering (IJAPE) Vol. 14,No.1,March 2025, pp.155~162 ISSN: 2252-8792, DOI:10.11591/ijape.v14.i1.pp155-162 indexed SCI.



S.V. College of Engineering, Dept. of ECE, V26-Jan- June-2025

CO-CURRICULAR ACTIVITIES

- An Industrial visit to NARL, Gadanki is organized for III ECE students and faculty on 10-01-2025.
- An Industrial visit to NARL, Gadanki is organized for III ECE students and faculty on 17-01-2025.
- An Industrial visit to NARL, Gadanki is organized for III ECE students and faculty on 24-01-2025.
- An Industrial visit IGCAR, Chennai is organized for IV ECE students and faculty on 03-01-2025.
- Department of ECE in association with IETE-PACE associations organized technical and non-technical activities on the occasion of 76 Republic day celebrations on 25-01-2025.
- NSS Unit organized National Voters Day on 25-01-2025.On this occasion NSS unit conducted Poster making and Essay Writing competitions on the theme of "Noting like Voting, I Vote for Sure" followed by pledge taking ceremony with an aim to increase the enrolment of voters. ECE students participated in events.
- NSS Unit organized in collaboration with RTO, Tirupati conducted Road safety awareness Rally as a part of National Road Safety Month-NSRM-2025 at Leela Mahal and Mangalam on 23-

01-2025.



S.V. College of Engineering, Dept. of ECE, V26-Jan- June-2025

- The Department of ECE,SVCE has organized a seminar session on "Awareness Program on Higher Education in Germany" on 26-03-2025 coordinated by Dr G Sujatha, Professor ECE SVCE. The resource person is Mrs. Sukanya Valleru, CEO & Samp; Founder, Study Wings.
- Department of ECE, SVCE Tirupati has conducted a Two day workshop entitled "Raspberry Pi Pico using Python workshop" in association with Technotran Nellore during 10-03-2025 & amp; 11-03-2025 for II ECE students, coordinated by Dr K Upendra Raju, Professor in ECE SVCE. The resource person is Mr Vikas Reddy, Technotran Limited, Nellore.
- Department of ECE,SVCE Tirupati has conducted a one day workshop entitled "AI Machine Learning Horizons" in association with IEEE- Student chapter SPS & Department of Student Chapter SPS & Department C



S.V. College of Engineering, Dept. of ECE, V26-Jan- June-2025

TRAINING PROGRAMS/WORKSHOPS

- Department of ECE, SVCE Tirupati has conducted a Five day workshop entitled "PCB Design" in association with APSSDC during 07-04-2025 & Design in ECE students, coordinated by Dr G Padma Priya, Professor in ECE SVCE.
- SVCE(BF),ECE Department organized a Guest Lecture on "Maxwell's Equations and its Industrial applications" on 04-04-2025 for II ECE students coordinated by Dr K Upendra Raju Associate Professor ECE Dept SVCE.
- SVCE(BF ECE Department organized a A Career Guidance session on "Exploring Career opurtunities for Engineers by Dr R.Murali Prasad on 24-04-2025 for IV ECE cocordinated by Dr P Sudhakar Reddy, Asst Professor ECE Dept.

AWARDS & RECOGNITIONS

- P. Guru Sai Naga Jasmitha of ECE-1st year SVCE won KSNR TROPHY in Chess tournament in Games and Sports Competitions (KSNR Trophy) held on 14th April, 2025 at KSRM College of Engineering Kadapa.
- Dr K Upendra Raju, Associate Professor of ECE department SVCE
 Tirupati(BF) recognized as Research Excellence award by InSc –
 Institute of Scholors for th year 2024 in April 2025
- Mr. MUDIREDDY BALA SUBBA REDDY, Asst Professor of SVCE ECE Dept. successfully defended the viva voce for the award of Ph.D. degree on thesis entitled "Study of self-heating and device to device thermal interference effect on the performance of Stacked Nano sheet Field Effect Transistor" under the guidance of Dr. SIVASANKARAN K, in the School of Electronics Engineering, VIT.

S.V. College of Engineering, Dept. of ECE, V26-Jan- June-2025

OTHER ACTIVITIES

- Dr. CH. Pallavi, Asst Professor SVCE of ECE Dept got Certificate of Applied Proficiency in recognition of their ability to effectively utilize the knowledge and skills acquired during the Wadhwani Faculty Development Program.
- Mr. M Vasudeva Reddy, Asst Professor SVCE of ECE Dept got Certificate of Applied Proficiency in recognition of their ability to effectively utilize the knowledge and skills acquired during the Wadhwani Faculty Development Program.
- Ch. Pallavi ,Asst Prof of SVCE ECE dept got appreciation for her role of Session Chair in 5h International Conference on Intelligent Technologies (CONIT 2025) during 20th to 22nd June 2025.
- Mr Vasu Paul Srikar of IV ECE SVCE, Student volunteer of IEEE Student SPS chapter got selected for fellowship in Asia Pacific IPv6 Counsil associated with IEEE on 17-06-2025.
- M Vasudeva Reddy Asst Professor SVCE ECE got selected in AICTE-QIP PG in Internet of Things(IOT) at IIT Jammu
- Dr G Chandraiah, Professor ECE, SVCE got selected in Robotics & ECE, AI at IIIT, Una, Himachal Pradesh.
- K M Manjunath, Asst Professor ECE, SVCE got selected in AICTE-QIP-PG Certificate Program on "Block chain and Cyber security" at IIIT Kalyani.
- Dr C Raju, Professor ECE, SVCE got selected in AI and Applications at IIT, Kharaghpur.

- Mr E Ananth Shankar Assistant Professor ECE department ,SVCE (BF)conferred with doctoral degree by SV University,Tirupati under the guidance of Dr S Varadarajan Professor SVU Tirupati on 01-02-2025.
- Students of SVCE(BF) ECE department registered under PMKVY visited IIT Yerpedu on 22-01-2025 under Academia collaboration and went through labs and technical facilities in the IIT campus.
- The students and faculty of ECE department participated in "Traditional Day- Harivillu celebrated on the occasion of Sankranthi on 10-01-2025



S.V. College of Engineering, Dept. of ECE, V26-Jan- June-2025







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.