



S.V. COLLEGE OF ENGINEERING TIRUPATI

COMMUNIQUE

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--- News Letter---

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Department of Electronics and Communication Engineering



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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

- The faculty of ECE attended a one day FDP on “NS Tool for networking lab” by experts from Take off ,Tirupati on 23-02-2023.
- The department of ECE organized a 5 day SERB Sponsored workshop entitled “AR VR Fundamentals” from 27-03-2023 to 01-04-2023
- Department of ECE organized Project Expo on 10-04-2023. All IV year students exhibited their project models.
- The department of ECE organized a 5 day SERB Sponsored workshop entitled “AR VR Fundamentals” from 27-04-2023 to 01-04-2023.
- The department of ECE organized one day workshop on “Developing Effective journal publications, Patents & Funding proposals on 02-04-2023. DR. Cyril prasanna raj acted as a resource person.
- A seminar entitled by “women schemes and career choices for female engineers” is being organized by SVCE Tirupati. The students and faculty of ECE participated in the seminar held on 23-06-2023.



TRAINING PROGRAMS/WORKSHOPS ORGANIZED

- CRT training program is organized for III year students from 05-05-2023 to 24-05-2023 by Six Phrase Training consultancy.
- CRT Training sessions were arranged for 2021-25 batch ECE students from 03-01-2023 to 07-01-2023 from the external agency.

NSS PROGRAMMES ORGANIZED

- On the occasion of international Yoga day NSS unit organized Yoga awareness program in association with Sankalpa Hospitals Tirupati, Isha Foundation on 21st June 2023.
- The students and faculty of ECE participated in Mega health Camp organized by NSS unit in association with Veena Diagnostics centre, Tirupati on 19-06-2023.
- The students of ECE participated in Elocution competition on “Plastic waste & Environment protection” on the occasion of world Environment Day on 5-06-2023. On this event Plantation program is being conducted by NSS volunteers.
- The students of ECE Participated Awareness camp on “Stress management and skills” at Z P High School, Karakambadi village as a part of community service project on 22-02-2023.
- The students of ECE Participated plantation camp organized by NSS unit on 30-01-2023.



RESEARCH PUBLICATIONS/PATENTS PUBLISHED

- Mr. Sk Allabaksh Asst. Professor of ECE participated in international conference on Data Analytics & Management-ICDAM-2023 (Springer) organized by London Metropolitan University, London UK in association with GGSIPU, Delhi and presented a paper entitled “A Comprehensive survey on replay strategies for object tracking“ on 23rd-24th June 2023 in online mode.
- Mr. A Krishna Mohan published a paper in An experimental study on visual tracking based on deep learning", International Journal of Intelligent Unmanned Systems, Vol. 11 No. 1, pp. 109-117. <https://doi.org/10.1108/IJIUS-08-2021-0089> on 31/01/2023. (Scopus & ESCI Journal)
- Dr. K Lokesh Krishna, Professor ECE Department Published A paper entitled “ Brain tumor region extraction using Novel self organizing map based KFCM algorithm” in Pertanika Journal of Science & Terchnoogy Vol 37,issue 1, pp577-594, January 2023.
- A patent entitled “High gain and enhanced slew rate CMOS operational amplifier” filed with Appl No;202341005234 A dated 26/01/2023 and published on 03/02/2023, Applicants are Dr. K Lokesh Krishna, Dr. B sudha rani, M Poornima, A Krishna moan, K Upendra Raju, L Mahesh from ECE department.
- A patent entitled “Machine learning and data science based big data analytics of patients suffering from lung cancer” filed and published with Appl No; 202331002664 A dated 13/01/2023 and published on 20/01/2023, Applicants are Mr. K Upendra Raju from ECE department.

- Ms. S.Salma, Published a paper entitled "On-Body and SAR analysis of a Polyester Textile antenna for Wearable Applications", 2023 Second International Conference on Electrical, Electronics, Information and Communication Technologies, K. R.K. College of Engineering, Trichy, Tamil Nadu, April 4, 2023.

COMMUNITY ORIENTED ACTIVITIES

- The students of ECE department participated in community related program "Community outreach program" at ZPHS SCHOOL, Karakambadi by IIC cell, SVCE Tirupati.
- The students of ECE department attended an awareness session on "Cyber Crime" by Tirupati Police department on 10.02.2023
- In connection to International women's day lady faculty and students participated in various events like Talent show, Photo contest, Throw ball, Skipping, Musical chairs etc., during last week of February 2023.
- On the occasion of National Science Day i.e on 28-02-2023, Essay writing, Elocution, Quiz competitions are conducted for the students with a theme of "Global science for global wellbeing".
- ECE students visited U R Rao satellite centre Bengaluru on 05/04/2023.





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.