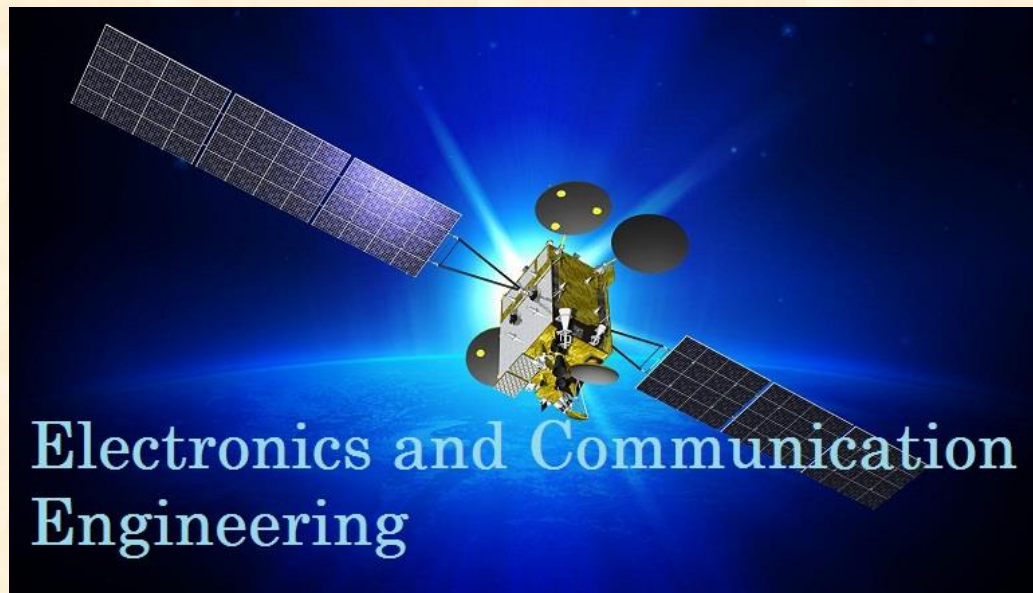




SRI VASAVI ENGINEERING COLLEGE (AUTONOMOUS)

Approved by AICTE, New Delhi, Accredited by NAAC & NBA with 'A' Grade
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



Electro Nivedika

- Voice of ECE

June

2023-24

August

Student Co-ordinators

M.Rohith - (21A81A1441)

N.Raj Charan - (21A81A04A5)

Faculty Editor

Dr. T V N L Aswini

Associate Professor

Chief Editor

Dr. E.KusumaKumari

HOD, ECE

VOLUME-9

ISSUE-1

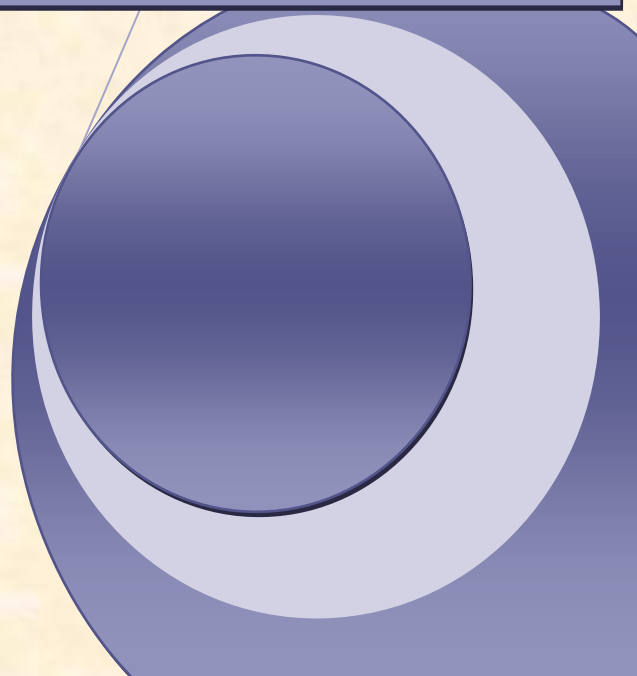


Vision

To develop the department into a centre of excellence and produce high quality, technically competent and responsible Electronics and communication engineers



Mission

- ❖ **To create a learner centric environment that promotes the intellectual growth of the students.**
 - ❖ **To develop linkages with R & D organizations and educational Institutions for excellence in teaching, learning and consultancy Practices.**
 - ❖ **To build the student community with high ethical standards.**
- 

Events Conducted

Conducted Graduation day on 12 August,2023





Faculty Corner

Faculty Publications in Journals/Conferences:

S.no	Name of the Staff Member	Title of the Paper	Name of the Journal, ISSNNo., Vol. & Published year	Indexing/Impact Factor
1	Dr Purnima K Sharma	Dual-Strip Flag Microstrip Patch Antenna for Millimeter-Wave Applications	Microelectronics, Circuits and Systems, Part of the Lecture Notes in Electrical Engineering book series (LNEE, volume 976), 27th June 2023.	Springer Book Chapter(Scopus)
2	Kamesh Sonti	A new convolution neural network model “KR-NET” for retinal fundus glaucoma classification	Optik - International Journal for Light and Electron Optics (Elsevier Publishers) (Volume 283, July 2023, 170861)	SCI(IF-3.1)
3	Dr M.Koteswara Rao	Addressing power loss and voltage profile issues in electrical distribution system: A Novel approach using polar bear gradient based optimization	International Journal of Electrical and Electronics Research (IJEER), FOREX Publication, Volume 11, Issue 3, 23 September 2023	Scopus
4	Dr M.Koteswara Rao	Medical image segmentation using an optimized three-tier quantum convolutional neural network trained with hybrid optimization approach	Multimedia Tools and Applications , An International Journal, 10.1007/s11042-023-16980-9, springer publication year 2023	Springer SCI (IF-3.6)
5	Dr.TDNSS.Sarveswarav Rao	Wireless Sensor & RFID Based Smart Energy Management for Automated Home	Proceedings of the International Conference on Augmented Intelligence and Sustainable Systems	(ICAISS-2022)
6	Dr.TDNSS.Sarveswarav Rao	Deep Learning Based Prediction And Monitoring Of Air Quality Using Iot	AICTE Sponsored NATIONAL E-CONFERENCE	NCDECT-2023
7	Dr.TDNSS.Sarveswarav Rao	Home Automation Using COAP Protocol	AICTE Sponsored NATIONAL E-CONFERENCE	NCDECT-2023
8	P. Gopala Reddy	Low Power Pmos Biased Sens Amplifier	Journal of emerging technologies and innovativ research, issn: 2349-5162, volume 10. year march 2023.	7.95
9	P. Gopala Reddy	Design and analysis of wallace tree multiplier using 16-bit Kogge stone adder	Journal of Engineering, Computing and Architecture, Volume 13, ISSN No: 1934-7197, April 2023	6.1
10	Dr.M.Thamarai	Privacy-preserving deep learning in medical informatics: applications, challenges, and solutions	Artificial Intelligence Review https://doi.org/10.1007/s10462-023-10556-7 19 July 2023	SCI INDEXED, I.F.:12
11	Dr.M.Thamarai	Skin cancer detection using dual optimization based deep learning network.	Biomedical Signal Processing and Control, Vol.85, 104968 June 2023	SCIE, Impact .Factor.5.2
12	E. Kusuma Kumari	A Multiband Rhombus Shaped Patch Antenna with Rhombus Slots for C, X, and Ku-Band Applications	IEEE Wireless Antenna and Microwave Symposium (WAMS), 2023, pp. 1-5, doi 10.1109/WAMS57261.2023.10242895.	SCOPUS



Faculty Corner

Workshops/Seminars/FDPs attended by Faculty

S. No	Name of the Faculty	Name of the Workshop	Host institution	Date
1	Dr.E.KusumaKumari	DEST-SERB sponsored workshop on “Design and Simulation of Miniature Antennas using Machine Learning for IoT Applications”	MVGR College of Engineering, Vizianagaram	05/06/2023-10/06/2022
2	Sri.P.Nagaraju	DEST-SERB supported National Level seminar on” Applications of MIMO in Health care Industry”	Sai Spurthi Institute of Technology, Sattupally.	05/06/2023-06/06/2023
3	Sri.P.Nagaraju, Sri.R.Ram Prasad	Indo-US VAJRA Course on “Fundamentals of Electromagnetics”EMF-2023	NIT, Silcher	12/06/2023-16/06/2023
4	Sri.P.Nagaraju	International workshop on Recent advances in “Wireless Communications and Antenna Technologies for Space Air and Ground Applications”	VIGNAN’S University, Guntur	14/06/2023
5	Sri.R.Ram Prasad	One-week online FDP on “Antennas for 5G Communication & Beyond”	Aditya Engineering College, Surampalem.	03/07/2023-08/07/2023
6	Sri.P.Nagaraju, Sri.K.Pasipalana Rao	One week online Faculty development program on” Enhancing Faculty Expertise: Communication and Signal/Image Processing(EFECSIP-2023)”	Aditya College of Engineering & Technology, Surampalem	10/07/2023-15/07/2023
7	Sri.D.Venkanna babu, Sri.P.Nagaraju, Sri.R.Ram Prasad	VLSI to System Design: Silicon to End Application approach	AICTE, Arm Education and ST Microelectronics	31/07/2023-4/08/2023
8	Sri.P.Nagaraju	Faculty Development Program on “Programming in C for problem solving	Sri Vasavi Engineering College	08/08/2023-19/08/2023
9	Sri SVV Satyanarayana	VLSI for beginners	National Institute of Electronics and Information technology, Calicut	10/08/2023-14/08/2023
10	Sri.K.PasipalanaRao, Smt.L.Bharani, Sri.V.Anil Kumar, Sri.D.VenkannaBabu, Sri.J.Rajendra	A Three Day Faculty Development Program (FDP) on “Exploring Open Source Tools & Software’s for Enhanced Research PaperWriting”	Sri Vasavi Engineering College	17/08/2023-19/08/2023



- ✚ Management has given an incentive of 5,000/- to **Dr. Purnima K Sharma**, Professor, Department of ECE for her contributions in research by publishing a Scopus Indexed Book Chapter entitled “ Dual – Strip Flag Microstrip Patch Antenna for MillimeterWave Applications ” in Electrical Engineering Book series (LNEE, Volume 976, Springer)
- ✚ an incentive of 4,000/- to **Dr. M. Thamarai**, Professor, Department of ECE for her contributions in research by publishing a research article entitled “ Skin cancer detection using dual optimization based deep learning network ” in ELSEIVIER’s Bio Medical Signal Processing and Control (FREE SCIE Journal with an impact factor of 5.1 and Publisher : Science Direct)

Congratulations

Student Corner

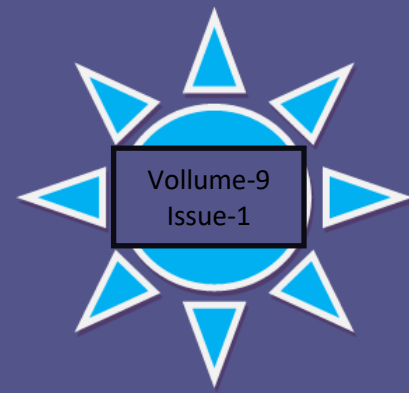
Students Participation in Extra Curricular Activities



ECE department has donated 1,50,000/- to III year student towards his father's health issue.



Sri Pavani panda (20A81A04BO) and ***Sujitha kandiboina (20A81A0486)***, students of final year have been selected for Sambhavam IAS Scholarship 2023 based on National Entrance exam. Congratulations to both of them for securing 98% scholarship.



Student Corner

T-SUMMIT-7.0, event is scheduled from the 31st of July, 2023 to the 2nd of August, 2023 in SRM University at Chennai. In this T-Summit 7.0, they gave 4 agendas which are selected by the participated delegates at the registration process and based on those concepts the delegates should express their thoughts. The best thoughts of delegates are listed out, and need to implement in their institute. **Ch. Hari Chandrika** (20A81A04D5) and **G Rajya Lakshmi** (20A81A04E4), students of final year had participated actively in the sessions.

AGENDAS :

- i) SDG 3: Good Health and Well Being
Mind Matters-Achieving Mental and Physical Well Being
- ii) SDG 12: Responsible Consumption and Production
Incorporating Zero-Waste policies and TQM practices in festivals
- iii) SDG 7: Affordable and Clean Energy
Driving sustainable innovation and stepping towards Industry 5.0
- iv) SDG 4: Quality Education



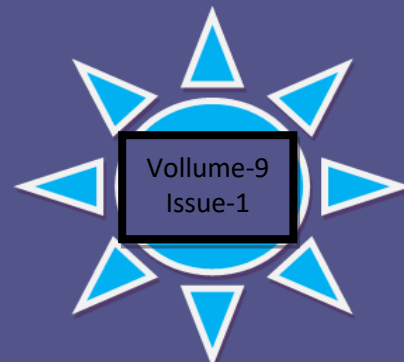
Student Corner

Y Ramya sri of Electronics & Communications Technology has received *Roll of honour* and *Best out going student* awards for the 2020-2023 batch from JNTUK Vice Chancellor.



Venkata Satti Madhavi of Electronics & Communications Engineering has received *Roll of honour* and *Topper among all girls across all branches* awards for the 2020-2023 batch from JNTUK Vice Chancellor.





Placements details - A.Y : 23-24(June-August)

S.No	Roll No.	Name of the Student	Company
1.	20A81A0409	DURGAM SIVA SAI NIKHITA	HEXAWARE
2.	20A81A0427	KOLLA SIVANI	
3.	20A81A04E9	KATLURU MEGHA SYAM	
4.	20A81A04F5	MADDULA VIJAYA LAKSHMI	
5.	20A81A04H9	THOTA LAKSHMI AVINASH	
6.	20A81A1460	VELAGALA PRADEEP REDDY	

Congratulations