

Vision

- To become a reputed learning center producing competent professionals.

Mission

- DM1:** Provide Quality education through interactive teaching-learning practices.
- DM2:** Establish Technology-enabled environment for building core competencies including robotics.
- DM3:** Arrange Industry-Interaction to hone professional skills.
- DM4:** Organize activities to foster social skills and ethical values.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- PEO1:** Apply Engineering concepts to solve Electronics and Communication Engineering problems of social relevance.
- PEO2:** Design and develop electronic devices and Systems for Industry or pursue research.
- PEO3:** Demonstrate competencies through continuous learning and adapt to multi-disciplinary environment.
- PEO4:** Practice professional values and contribute to the societal needs.

PROGRAM SPECIFIC OUTCOMES (PSOs)

- PSO1: Professional Skills:** Apply principles of Analog and Digital Electronics, Communication Systems, Image processing, VLSI and Embedded Systems to solve diverse problems.
- PSO2: Software Knowledge:** Develop solutions for complex engineering problems of social relevance by employing Xilinx, CC Studio, Micro Wind, Keil, NG Spice, Scilab tools.



GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to JNTU, Anantapur)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NEWS LETTER ABSOLUTE ELECTRONICS

“Key to Success”

Editorial Board: Faculty Editors:

M. Siva Krishna, Asst. Professor

Student Members:

1. D. Yashwanth (III ECE)
2. Sk. Muthahar (III ECE)
3. P. Charan Kumar (II ECE)
4. K. Sri Varshini (II ECE)

Digital scent technology

A lot of research has been going on in the field of olfactory technology, which enables devices (or electronic noses) to sense, transfer and receive scent-enabled media such as audio, video, and web pages. The first odor-releasing system named Smell-O-Vision was invented in the late 1950s. It was capable of emitting odor during the projection of a movie to enhance the experience of viewers. Since then, many research facilities have come up with similar devices. One of them was smell, developed in 1999. It consisted of a 128-odors cartridge from which various mixed odors could be produced. However, due to certain limitations, the product was never commercially launched. At CEATEC 2016, a company introduced a wearable scent device that can be controlled via smart phones and PCs. It still has many hurdles to overcome, including the timing and distribution of scents and the health risks of synthetic odors.

Faculty Contributions -Publications/Workshop/Industrial Visit:

1. Dr.P.Rahul Reddy Participated in workshop Agile Project Management: The Journey for Young Corporates Organized by Directorate of Skill Development Centre & Incubation Centre, JNTUA & EDP Cell, JNTUACEA, Anantapur in Online from 23.03.2021 to 24.03.2021, 2-Days.
2. Mr.M.SivaKrishna Participated in workshop IoT: Firmware & Hardware Design and Development Organized by JNTUA College of Engineering, Anantapur in Online from 26.03.2021 to 27.03.2021, 2-Days.
3. Dr. K. Radhika Participated in conference 3rd IEEE international conference on Emerging smart computing & Informatics (IEEE-ESCI 2021)Organized by AISSMS Institute of Information Technology, Pune in Online from05.03.2021 to 07.03.2021.
4. Ms. K. Radhika published a paper Design and Implementation of Low Power High Speed Robust IoT SRAM3rd IEEE international conference on Emerging smart computing& Informatics (IEEE-ESCI 2021) Pune, Maharashtra 05.03.2021 to 07.03.2021.
5. Ms. K. Radhika published a paper Design Implementation and Analysis of Different SRAM Cell Topology3rd IEEE international conference on Emerging smart computing & Informatics (IEEE-ESCI 2021) Pune, Maharashtra05.03.2021 to 07.03.2021.
6. Mr. U. Penchalaiyah Published a paper. A Novel Approach for Signed, Unsigned Truncated Multiplier Based on HSCG-SCG CSLA Adder In journal Solid State Technology With ISBN/ISSN 0038-111X, Vol. 64/ February, 2021 Scopus URL/DOI <http://solidstatetechnology.us/index.php/JSST/article/view/9780>.
7. Mr. P. Raghava Reddy Attended an FDP on Advances in Deep Learning and Applications (WADLA 2021) Organized by Indian Institute of Information Technology, Sri City, Chittoor, Chittoor/ Online from 22-02-2021 to 26-02-2021, 5-Days.
8. Mr. K. Naveen Attended an FDP on Faculty development enablement Organized by Infosys Ltd, Hyderabad Online from 22.02.2021 to 24.02.2021, 3-Days.
9. Dr. K. Radhika awarded Excellence for women in R&D by International journal of MC Square Scientific (Research Best contribution in academic as well as R&D) dated 21.01.2021 to 23.01.2021.
10. Dr. K. Radhika Participated in conference international conference on emerging trends in science, engineering & management (ICETSEM-2021) Organized by IJMSR (International Journal of MC Square Scientific Research) In Online from 21.01.2021 to 23.01.2021.
11. Ms. K. Radhika published a paper Assessment of the effects of block chain based protection in network performance international conference on emerging trends in science, engineering & management (ICETSEM-021) Chennai, Tamilnadu 21.01.2021 to 23.01.2021.
12. Dr. Syed Jeelan Basha Attended an FDP on Research Aspects on Deep Learning in Image and Video Processing – I Organized by Velammal Institute of Technology, Chennai Chennai/ Online from04.01.2021 to 09.01.2021, One-Week.

Student Achievements:

Prizes Won/PPT/Poster/Workshop/Online Courses:

- 192U1A0472 Kunapareddy Sai Abhinav Participated on Webcasting in Election Organized by Ap Govt on 2/21/2021.
- 172U1A04F5 M.Mrudula Participated in Student Workshops on Source Code Management Using Git &GitHub Organized by APSSDC on 3/31/2021

Events Organized

A Five-Day Hands-on Workshop on “Data Analysis Using Python” at GIST

A Five-day workshop on Data Analysis Using Python was organized by the department of ECE, from 29th March to 03rd April 2021 in collaboration with APSSDC. The experts from APSSDC explained various concepts of python related aspects right from the fundamentals for IV-year II Semester B. Tech ECE students. The Principal of GIST, Prof. Dr. G. Subba Rao, in the inaugural address also mentioned the demand of Data Analysis in the related fields of data science. Dr.Sk. MahboobBasha, the head of the department of ECE (Admin) Mr.P. Raghava Reddy, the head of the department of ECE(Academic), Dr.P. Chakrapani HOD, IICC, took part in the workshop actively.



University examinations Results 2019-20 Even Semester:

II Year Toppers

Roll No:	Name of the Student	SGPA
182U1A04A3	NEELISETTY BASAVA MEGHANA	8.83
182U1A04C3	PUVVADA HEMA SUKEERTHANA	8.83
182U1A04F6	SYED MOHSENA BEGUM	8.83
182U1A04C7	SADHU VENKATA CHARITHA	8.78
182U1A04E1	SHAIK SABREEN	8.70
182U1A04F1	SOLETY MOUNIKA	8.70

III Year Toppers

Roll No:	Name of the Student	SGPA
172U1A0419	GANGAVARAPU SIREESHA	8.83
172U1A0442	RACHURU RUCHARITHA	8.70
172U1A0448	SHAIK SABEEHA	8.57