

Faculty Contributions:**Publications:**

- Dr. SK.Mahaboob Basha ,Professor,ECE published a paper titled An Integrated approach for microwave home security system in International Journal Of advanced engineering & Research (IJAER), vol 12 ,on 01-08-2017.
- Mr.U.Sreenivasulu,Associate Prof ,ECE published a paper titled Downlink Scheduling Algorithm For Wi-Max Protocol To Improve Qos International Journal Of advanced engineering & Research (AJSE, ISSN:2193-567x), vol 12 ,on 01-08-2017.
- Ms. K. Radhika presented a paper A Neural Network based Classification of Satellite Images for Change Detection Applications in International Conference on Advances in Engineering, Management & Sciences (ICAEMS) Santhiram Engineering College, Nandyal from 14.07.2017 to 15.07.2017.
- Ms. K. Radhika presented a paper Ensemble Subspace Discriminant Classification of Satellite Images in International Conference on Advances in Engineering, Management & Sciences (ICAEMS) Santhiram Engineering College, Nandyal 14.07.2017 to 15.07.2017.

Workshop/Seminar/Fdp Attended:

- Mr. Naveen Kolla , Attended “Foundation Program in ICT for Education” conducted by IIT BOMBAY, under AICTE and PMMMNMTT, MHRD Nellore from 3-8-2017 to 7-9-2017.
- Mr. M.Sivakrishna , Attended “Foundation Program in ICT for Education” conducted by IIT BOMBAY, under AICTE and PMMMNMTT, MHRD Nellore from 3-8-2017 to 7-9-2017.
- Mr. S.Sreenivasulu , Attended “Foundation Program in ICT for Education” conducted by IIT BOMBAY, under AICTE and PMMMNMTT, MHRD Nellore from 3-8-2017 to 7-9-2017.
- Mrs. M.Suhasini , Attended “Foundation Program in ICT for Education” conducted by IIT BOMBAY, under AICTE and PMMMNMTT, MHRD Nellore from 3-8-2017 to 7-9-2017.
- Mr. P.V.Krishna Rao , Attended “Foundation Program in ICT for Education” conducted by IIT BOMBAY, under AICTE and PMMMNMTT, MHRD Nellore from 3-8-2017 to 7-9-2017.
- Mr. Naveen Kolla attended 3rd Annual Chapter Convention on Quality Concepts” Quality Concepts Creating Value to the Society” organized by Quality Circle Forum of India, Tirupati Chapter Tirupathi from 28.08.2017 to 29.08.2017.
- Mr. P .Raghava Reddy attended a Two-Day National workshop on “Advances in electronics and Communication Engineering(AECE-2017)” Department of ECE, JNTUK, Kakinada Kakinada from 26.08.2017 to 27.08.2017.

Events Organized:**FRESHER’S DAY:**

Fresher’s day celebrations were organized with great enthusiasm and fervor at gist by the department of ECE on 17-08-2017.The II B.Tech ECE students accorded a warm welcome to the I B.Tech fresher’s amid much pomp and fan fare. Dr G. Subbarao, Principal, addressed that “GIST had established a good reputation as a Ragging Free Campus and the spirit of cooperation and companionship are the corner stones upon which the amicable relationship between the juniors and seniors is built at GIST.

**GUEST LECTURE:**

A guest lecture was organized by the department of ECE,on 12th August 2017 by Dr. Surekha Borra. Surekha Borra, a full professor of ECE department, KSIT, Bangalore, has 11 years of teaching experience. She has one Indian patent, 143 citations in google scholar, 25 published research papers



and 4 book chapters to her name. She has achieved “Women Achievers” Award from the Institution of Engineers, Karnataka.The Resource person Dr. Surekha Borra, interacted with the students and faculty and threw much light on the applications of Remote Sensing in various fields.

TWO DAY WORKSHOP ON PCB DESIGN:

A two-day workshop was held under the joint collaboration of the ECE Department and Embedded Wings, Visakhapatnam on 4th and 5th of August 2017.The Resource person Mr. Govinda Rao, Director-Technical, Embedded Wings, interacted with the students and faculty and threw much light on the area of Printed Circuit Board and outlined various processes involved in distinguishing a PCB.



THREE DAY WORKSHOP ON EMBEDDED SYSTEM:



Department of ECE in association with APSSDC, Dept.of Skill Development, and Entrepreneurship & Innovation Govt. of Andhra Pradesh conducted a three day workshop on ELECTRONICS INNOVATION ZONE – EMBEDDED SYSTEMS during 15th to 17th September, 2017 .

Student Achievements:

Workshops/Online Courses Attended:

- Ms. G. Divya Reddy, Ms. Sk. Arshiya Tabassum, Mr. R.V.S.Narayana Kumar, Ms.V.Adbhuta Teja and Mr.Gali Bhanu Teja of III ECE secured GOLD AWARD by Quality Circles Forum of India Tirupati Chapter at Annamacharya Institute of Science & Technology,Tirupati on 28th and 29th August 2017.
- Mr.K.Pradyuman Kumar of IV ECE published an article on 5G :4G Update or New Technology in Electronics For You (EFY), International Magazine in the month September 2017 and received an honorarium of Rs 3000.
- Ms.Sarangam Sai Bhavya of IV ECE secured college first Place in TI Online National Webinar Contest on Embedded system Design Using MSP 430 conducted by Texas Instruments,Bangalore 14th September at Geethanjali Ins Of Sci & Tech,Nellore.
- Ms.Sunkara Keerthana, of IV ECE secured college Second Place in TI Online National Webinar Contest on Embedded system Design Using MSP 430 conducted by Texas Instruments,Bangalore 14th September at Geethanjali Ins Of Sci & Tech,Nellore.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

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

PROGRAM SPECIFIC OUTCOMES (PSOs)

- Professional Skills: Apply principles of Analog and Digital Electronics, Communication Systems, Image processing, VLSI and Embedded Systems to solve diverse problems.
- 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”

Vision

To become a reputed learning centre producing competent professionals.

Mission

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

Editorial Board:

Editors:

1. M. Sivakrishna, Asst. Professor,
2. C.Durga Tejaswi, Asst. Professor

Student Members: 1.Shaik Mahammad (III ECE),

2. Thurimerla Srikanth (III ECE)
3. .M. Sudivya (II ECE),
4. N. Saiteja (II ECE),

RADAR SYSTEM

Radar is a detection system that uses radio waves to determine the range, angle, or velocity of objects. It can be used to detect aircraft, ships, spacecraft, guided missiles, motor vehicles, weather formations, and terrain. A radar system consists of a transmitter producing electromagnetic waves in the radio or microwaves domain, a transmitting antenna, a receiving antenna (often the same antenna is used for transmitting and receiving) and a receiver and processor to determine properties of the object(s). Radio waves (pulsed or continuous) from the transmitter reflect off the object and return to the receiver, giving information about the object's location and speed.

