Department Events:

Internet of Things (IOT) using Embedded Systems:

Department of ECE conducted a One Day Workshop under IETE association to benefit the ECE students towards new trends in the current Industrial applications. In this regard, a One Day Workshop was organized by Prof.C.R.Sarma, Professor, Adjunct, Vice chairman of IETE Hyderabad in Department of ECE, GIST on Internet of Things (IOT) using Embedded Systems on 19.04.2016 .

The hot topic was splendidly handled by the resource person Prof.C.R.Sarma, Professor, Adjunct. He had explained basic structure of IoT things and their significance in the current world. He had explained the basic Hardware parts which are used in the IoT system. Later in the next session the concept of Arduino was explained relative to Hardware and Software. Finally he pointed out the applications are in terms of sensors and actuators which could be interface to Arduino.

Projects Exhibition:

Conducted an exhibition on projects by final year students on 22 April 2016 where the projects involved in real time applications developed for social and economic welfare of the society from department of ECE.A list of projects exhibited are Electronic voting machine for feedback colligation in colleges, SMS based bank locker security system using GSM, Touched screen based automated menu display

and ordering system for restaurants, Coin based solar mobile charger, GSM based prepaid energy meter, Design and development of GSM based vehicle theft control Crack detection for railway tracks by using Ultrasonic sensors, Automatic toll collection using complex security systems, Railway track pedestrian crossing without using stair case.

Faculty Achievements:

➢ Mr.K.prabhakar Reddy Attended two-day FDP on "Analog IC applications" conducted by TI, at Narayana engineering college, June 2016.

➢ M.mahesh kumar Received best NSS Programme Officer for SPSR Nellore district from JNTUA for Academic Year 2015-16.

➢ M.mahesh kumar Presented a paper titled MULTI BIT FLIP-FLOP DESIGN FOR VLSI APPLICATIONS in NC-DATES 2K16.

Neural Networks

Electronics based human body and brain activities are miraculous and a great feat by the creator. It provides a lesson for the pioneers of science and technology to learn and mimic these activities by artificially creating electronically-controlled devices. The human brain is possibly the most complex entity in the Universe. It is absolutely remarkable and beautiful to contemplate, and the things you are capable of doing because of your brain are outstanding. The human brain is littered with some 100 billion nerve cells, together forming connections in tandem as each neuron is simultaneously engaged with another 1000 or so. Although processors have gotten smaller and faster over time, only a few computers can compete with the speed and computing power of the human brain and none comes close to the organ's energy efficiency. So some engineers want to develop electronics that mimic how the brain computes to build more powerful and efficient devices.
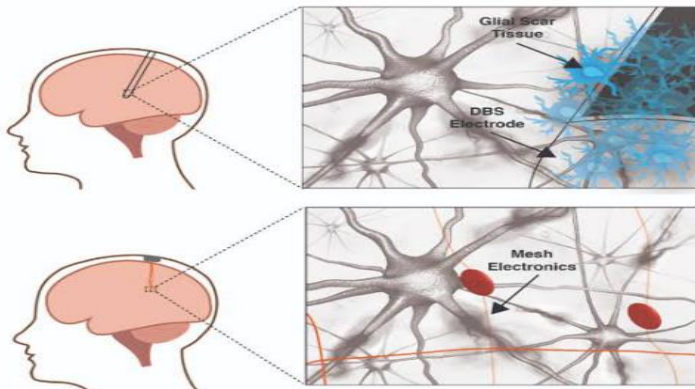
Editorial Board:
Editors:
1. M. Sivakrishna, Asst. Professor,
2. Sk.Khajavali, Asst. Professor
Student Members:
1. G.Prasanth(III ECE),
2. SK.Karimulla(III ECE),
3. P. Saideepika (II ECE),
4. M. Vamsi (II ECE)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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

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.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)
Graduates of B. Tech in Electronics and Communication Engineering Programme shall be able to
➢ 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)
At the time of graduation, student of B.Tech in Electronics and Communication Engineering Programme shall be able to
➢ 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.