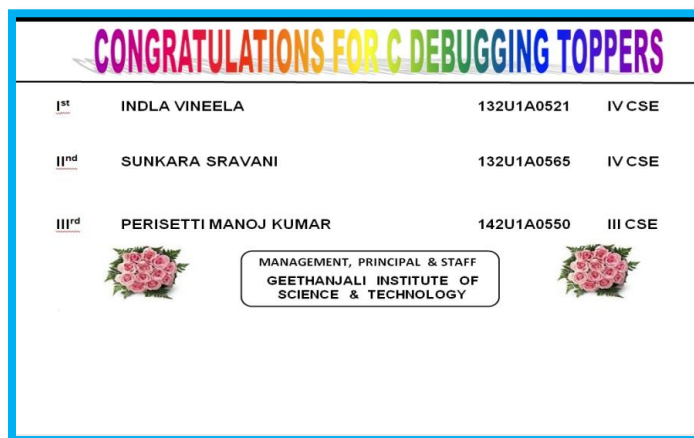


Students participated actively in the event and made a grand success.



Workshop

A Five day workshop on Programming in Data Structures using Python was organized by the department of CSE, from 1st to 5th August 2016 in collaboration with CSI. The resource person Ms. Y. Kavya Kameswar explained various concepts of data structures related aspects right from the fundamentals for II year I Semester B. Tech CSE students.



Editorial Board

Faculty Editors: P. Radhika, Asst. Professor, Sk. Asiff, Assoc. Professor

Student Editors: 1. Ch. Sujitha (II CSE) 2. D. Kavya (II CSE) 3. P. Maneesha (III CSE) 4. Sk. Shanwaz (III CSE)

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GEETHANJALI

Institute of Science and Technology

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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Brain Computer Interface(BCI)

Brain-computer interfaces (BCIs) measure brain activity, extract features from that activity, and convert those features into outputs that replace, restore, enhance, supplement, or improve human functions. BCIs may replace lost functions, such as speaking or moving. They may restore the ability to control the body, such as by stimulating nerves or muscles that move the hand. BCIs have also been used to improve functions, such as training users to improve the remaining function of damaged pathways required to grasp. BCIs can also enhance function, like warning a sleepy driver to wake up. Finally, a BCI might supplement the body's natural outputs, such as through a third hand. Different techniques are used to measure brain activity for BCIs. Most BCIs have used electrical signals that are detected using electrodes placed invasively within or on the surface of the cortex, or noninvasively on the surface of the scalp [electroencephalography (EEG)]. Some BCIs have been based on metabolic activity that is measured noninvasively, such as through functional magnetic resonance imaging (fMRI). Research on BCIs began in the 1970s at the University of California, Los Angeles (UCLA) under a grant from the National Science Foundation, followed by a contract from DARPA. The papers published after this research also mark the first appearance of the expression brain-computer interface in scientific literature. Due to the cortical plasticity of the brain, signals from implanted prostheses can, after adaptation, be handled by the brain like natural sensor or effector channels following years of animal experimentation, the first neuroprosthetic devices implanted in humans appeared in the mid-1990s. Recently, studies in Human-computer interaction through the application of machine learning with statistical temporal features extracted from the frontal lobe, EEG brainwave data has shown high levels of success in classifying mental states. BCI proved successful for communication and control in patients with severe paralyses or in the LIS. BCI allow users to directly communicate their intention without any involvement of the motor periphery.



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About Department

Department of Computer Science & Engineering was established in the year 2008 with an intake of 60 students and subsequently in the year 2011 the intake was increased to 120 students. The Department will be the centre of Excellence with competent faculty, State-of-Art laboratory equipment, and adequate infrastructure with the faculty strengths to mould the students into leaders in their progression, the college has equipped with excellent computing facilities with cutting edge technology.

We are Aware of the ever evolving nature of the field; the Department of Computer Science & Engineering envisages a comprehensive structured programme through innovative and interactive strategies for keeping the students abreast with the changing trends and technologies and to constantly update and upgrade their skills to be industry-ready, by fostering necessary employable competencies.

Vision

To develop as a lead learning resource centre producing skilled professionals.

Mission

- Provide dynamic and application oriented education through advanced teaching learning methodologies.
- Provide sufficient physical infrastructural facilities to enhance learning.
- Strengthen the professional skills through effective Industry- Institute Interaction.
- Organizing personality development activities to educate life skills and ethical values.

Program Educational Objectives (PEOS)

- Develop expertise in logical reasoning, analysis and design to solve Computer Science and Engineering problems.

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- Competent to work as an individual or team member contributing to research and solve real world problems
- Involve in multi-disciplinary teams by indulging interpersonal skills and ethical behavior
- Engage in Life Long Learning for career enhancement and professional growth.

Guest Lecture on IOT and Cloud Computing

Department Of Computer Science & Engineering In Association with Computer Society Of India Of Geethanjali Institute Of Science & Technology, Gangavaram, Nellore, Conducted A Guest Lecture On IOT And Cloud Computing on 19 August 2016 by Dr. Ch. Pradeep Reddy, Associate Professor, Site, VIT University, Vellore. All the students of III and IV year of CSE department participated in the event.



C – Debugging

A debugging is an incident in the process being debugged that causes the system to notify the debugger. Department of Computer Science & Engineering in association with Computer Society of India, conducted C- Debugging, An Online Assessment test on C- programming for III and IV year students to explore the programming Knowledge.

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