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GEETHANJALI

INSTITUTE OF SCIENCE AND TECHNOLOGY

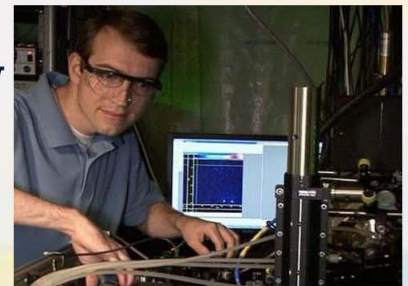
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TECHIES CHRONICLE

-Driven to Discover

Quantum Computing

Physicists have been taking baby steps toward creating a full-fledged quantum computer faster and more powerful than any computer in existence, by making quantum tasks. processors capable of performing individual. Now a group at the National Institute of Standards and Technology (NIST) has developed the world's first universal programmable quantum computer that can run any program that's possible under the rules of quantum mechanics. Quantum computing takes advantage of the bizarre physics operating at the subatomic level, such as Einstein's "spooky action at a distance," wherein two particles become "entangled" and can affect one another even across vast distances of space. Quantum processors store information as quantum bits, or qubits, that can become entangled. Unlike traditional computers that can only process information as either 1s or 0s in binary computer language, the qubits of quantum computing can also represent the state of both 1 and 0 at the same time.



NIST's achievement marks the first time that scientists have created enough inputs and continuous steps to perform programmable processing in a basic quantum computer. The team's computer uses laser pulses to manipulate spinning beryllium ions so that they carry out computer processing, while a separate laser helps interpret the results as calculations.

Editorial Board

Editors: P. Radhika, Asst. Professor, Y.V. Ramesh, Asst. Professor

Student Editors: Ch. Sujitha (II CSE), D. Kavya (II CSE), P. Maneesha (III CSE), Sk. Shanwaz(III CSE)

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
- 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.

Faculty Contributions/ Achievements

- Mr. K Venkata Nagendra published a paper in the International Journal of Advanced Research in Computer Science (IJARCS) on “A Survey on Classification Techniques Used for Rainfall Forecasting” on September-October 2017.ISBN/ISSN number: 0976-5697.
- Mr. K Venkata Nagendra published a paper in the International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC) on “A Survey on Hybrid Techniques Using SVM” on September 2017.ISBN/ISSN number:2321-8169.

Events Organized

International Conference – ICIOTSC - 17

A Two day National conference was organised under the auspices of computer science and engineering department in Association with Institute for Engineering Research and Publications (IFERP) on “Internet Of Things For Future Smart Cities” (ICIOTSC-



17) on 21st and 22nd July 2017. Chief guest Dr. P.C. Srikanth, Secretary-IEEE Photonic Society (USA) and Guest of Honour Dr. SasiKumar

Gurumurthi, Professor, Sree Vidyanikethan Engineering College, Tirupati. Dr. G. Subba Rao, Principal, Mr. N. Sudhakar Reddy, Secretary and Correspondent, Dr. Y. Jahnavi, HOD CSE and other department HOD's participated in the event. Ms. P. Radhika coordinated the event.



200 Technical papers were presented from different engineering colleges in Tamil Nadu, Karnataka, Kerala and Maharashtra.

Fresher's Day Celebrations

Continuing with the proud tradition of college IInd year students and Newcomers of the college have come together *with “A Little music and the chunk of ice, new faces, and smiles all along, resounding laughter.... Yes it is a Party time”* at the **FRESHER'S PARTY-2K17** held on 17th August-2017 at college campus. Dr. G. Subba Rao, Principal, Dr. Y. Jahnavi, HoD, Computer Science and Engineering and all the faculty of CSE graced the event.



Workshops& Guest Lecture

• A Five Day Workshop Programming in Data Structures using Python

A Five day workshop on Programming in Data Structures using Python was organized by the department of CSE, from 07th to 11th August 2017 in collaboration with CSI. The resource person Ms. Y. Kavya Kameswar from Infosys explained various concepts of data structures related aspects right from the fundamentals for II year I Semester B.Tech CSE students.

The workshop turned out to be a major successful event, imparting lot of knowledge about Python and how to work with various Applications.



• A Two Day Workshop on Java Programming

A Two Day Workshop on Java Programming was organized under the joint auspices of Department of Computer Science and Engineering and Computer Society of India(CSI) on 22nd& 23rdSeptember 2017.

The resource person was Mr. B. Sujith Babu, Senior Software Engineer, TechMahindra, Bangalore focused on making the students strong in basics in Java programming, moved on to Advanced Java Concepts followed by Interview questionnaire and tips to crack the interviews.



• Guest Lecture on Java Programming

Department of CSE in association with Computer Society of India (CSI) organized a “Guest Lecture on Java Programming” on 09-09-2017 by Mr. B. Sujith Babu, Senior Software Engineer, Tech Mahindra, Bangalore, focused on Java fundamentals, OOPS concepts, Database connectivity, Exceptions, Collections, and tips for interviews.

All the III year students of CSE department participated in the event. The guest lecture was mainly focused on the following topics: Java fundamentals, OOPS concepts, Database connectivity, Exceptions, Collections, and tips for Java interview.

