



# SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY PAYYANUR



## DRISHTI

Department of Computer Science & Engineering

### HOD's MESSAGE

At the outset it gives me immense pleasure to write in this newsletter, as each month the editorial board of DRISHTI, proves that teamwork will always give way to success. The extra ordinary performance of our final year students was evident when they got placed in different companies through campus placement. Some are waiting for their results to get declared. First and second year students university results of previous semesters were out and many of them have come up with SGPA more than 8. Two teachers have bid farewell to us due to their personal reasons. I wish them all the very best for all their future endowers. I whole heartedly welcome the newly joined faculty of our department to SNGCET family. As the saying of Henry Ford goes – “If everyone is moving forward together, then success takes care of itself” – we will move on firmly to aim the heights of vision and mission of both department and the institution.




- Prof. Sunder V

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### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION		MISSION
To be a center of excellence in Computer Science and Engineering to produce competent professionals and entrepreneurs capable of exploring and assimilating latest technological advancements for the betterment of the society.		To facilitate transformative education in computer science and engineering. To build competent professionals and entrepreneurs by introducing new technologies. To accomplish higher education, induce ethical values and spirit of social commitment.

## TECH NEWS

## YOUTUBE CANCELS REWIND AFTER YEARS OF HATRED

YouTube Rewind — the company's annual year-end round-up of trends, creators, memes, and the most popular videos on the site — has been cancelled for good, the company confirmed on Oct 7, 2021. Instead, YouTube will "refocus our energies on celebrating you and the trends that make YouTube [fire emoji] with a different and updated kind of experience," although the company didn't elaborate further on what it'll be replacing Rewind with.

YouTube will also be relying on creators on its platform to fill the gap, and that it'll "continue to be inspiring to see the myriad of ways the most creative content producers in the world — our YouTube creators — encapsulate the end of year in their video recaps, as YouTube retires its own Rewind video." The news of YouTube cancelling Rewind permanently isn't a huge surprise. The company already took off 2020 Rewind Video, citing the difficulties of the year: "2020 has been different. And it doesn't feel right to carry on as if it weren't."

— AATHISH R(2020 - 2024)



## CHINA'S WORLD'S FASTEST QUANTUM COMPUTER

Physicists in China have announced that they built the fastest programmable superconducting quantum computing system.

According to an official press release late on Tuesday, the quantum computing system, called Zuchongzhi 2.1, is able to perform large-scale random quantum circuits sampling 10 million times faster than the fastest existing supercomputer.

The two major technical schemes used in experiments to demonstrate a "quantum computational advantage" are the light-based Gaussian boson sampling and random quantum circuits sampling based on superconducting quantum bits -- or qubits, added the press release. Bits are the smallest unit by which traditional computers store and process data. Quantum computing systems make use of quantum particles to provide an overwhelming speedup over traditional computers.

The researchers said that Jiuzhang, a light-based quantum computing system they also designed, could "carry out large-scale GBS 100 trillion times faster than the world's fastest existing supercomputer."

— SMIJITH M(2019-2023)

**SCIENTISTS HAVE PROPOSED THE "INTERNET OF BODIES" (IOB) WHICH USES HUMAN BODY TISSUE, WHICH IS MOSTLY CONDUCTIVE, TO POWER DATA TRANSMISSION.**

According to KAUST researchers, human body communication (HBC) can provide highly secure and power-efficient data transmission among wearable, implanted and ingested medical devices.

The findings open the way for the interconnection of long-lasting wireless devices as the foundation for the IoB. The internet of things (IoT) is a technology framework in which a variety of devices can be interconnected to provide a broad range of data on the world around us. Autonomous vehicles and smart homes, for example, rely on IoT technologies for monitoring and control.

The researchers believe this same philosophy can be applied to monitoring our own bodies and alerting us to health signals. "The IoB is a network of wearable, implantable, ingestible and injectable smart objects that allows for in-, on- and off-body communications," said researcher Ahmed Eltawil. "For example, smartwatches, smart shoes, pacemakers and cochlear implants could be interconnected to monitor our biomarkers."

However, interconnecting these devices using radio waves like those used in Wi-Fi networks — the conventional go-to technology for such applications — can produce stray outward signals that could allow eavesdropping or biohacking, as well as using excess energy.

— MEGHA P K(2019-2023)

***"What new technology does is create new opportunities to do a job that customers want done." – Tim O'Reilly***

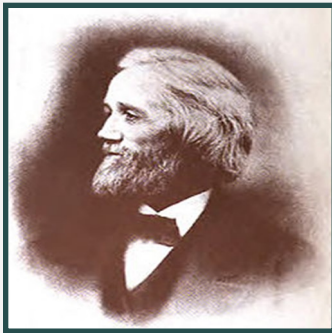
## DID YOU KNOW ?

💡 The QWERTY keyboard was invented by **Christopher Latham Sholes** to reduce the typing speed of users.

💡 The word "Typewriter" is the longest word you can type using only one row of the keyboard.

💡 Around 70% of virus programmers allegedly work under a strict contract for crime syndicates.

💡 The Sasser worm mainly targets computers running on Microsoft OS and exploits a vulnerable network port.



**Christopher Latham Sholes**

## A small token of love to,

### *Faculty Bidding Adieu*

#### **Prof. Anu Mohan**

Mrs. Anu Mohan was the assistant professor of the computer science department of Sree Narayana Guru College of Engineering and Technology, Kannur. She was welcomed to SNGCET at the year 2020 during online classes. She was a very friendly and resourceful professor of SNGCET. Anu ma'am was always in hand with all the needs required for her students. She was one of the teachers whom students could meet for any need. Thank you so much ma'am for being a wonderful teacher.



## PLACEMENTS



**ANIMA M (2017-2021)**



**ALZONE SOFTWARE**  
connected to confidence



**Mphasis**  
The Next Applied



**Orion**  
Innovation



**AVANTIKA P (2017-2021)**



**QUEST**  
BORN TO ENGINEER



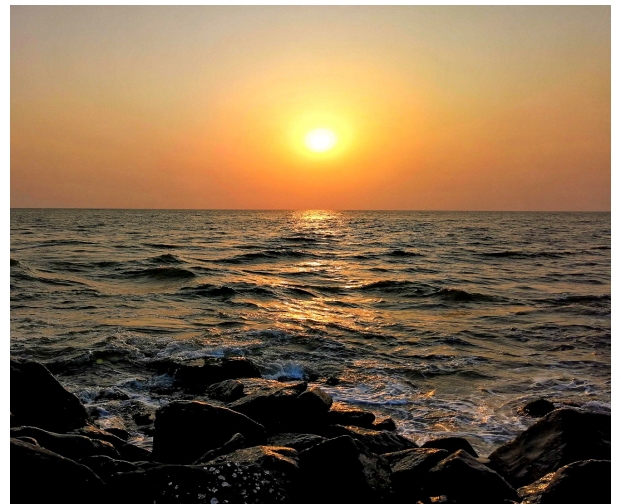
**PRANAV P V  
(2017-2021)**



**ADISH KUMAR  
(2017-2021)**

*"Let's go invent tomorrow instead of worrying about what happened yesterday." – Steve Jobs*

## THROUGH THE LENS



**SHAMEEM K V  
(2018-2022)**



## ALWAYS THROUGH THE PATH OF OBE

## PROGRAM OUTCOMES (POs)

## RECENT ACTIVITIES

PO1:-Engineering knowledge

PO2:-Problem analysis

PO3:-Design/development of solutions

PO4:-Conduct investigations of complex problems

PO5:-Modern tool usage

PO6:-The engineer and society

PO7:-Environment and sustainability

PO8:-Ethics

PO9:-Individual and team work

PO10:-Communication

PO11:-Project management and finance

PO12:-Life-long learning

1. Advisory committee meeting for the second and fourth semester classes was held on 01-10-2021
2. Department Committee Meeting conducted on 04-10-2021
3. Special class time table for S4 batch published from 05-10-2021 to 13-10-2021
4. Special class time table for S2 batch published from 07-09-2021 to 12-10-2021
5. B.Tech S2 Internal/Attendance is opened in the portal from 08-10-2021 to 12-10-2021
6. Notification regarding the working dates of final year students and including the dates of regular and supplementary exams are published on 10-10-2021
7. Academic Calendar of odd semesters published on 18-10-2021
8. B.Tech S4 Internal/Attendance is opened in the E gov portal from 18-10-2021 to 21-10-2021
9. Department Committee Meeting conducted on 20-10-2021
10. The detailed time table of B.Tech S4 Regular July 2021 (2019 Scheme) is Published on 22-10-2021
11. Revised detailed time table for S2 and S4 Regular of 2019 scheme and S2 FE grade and S4 supplementary of 2015 scheme published on 23-10-2021
12. Classes for seventh semester B.Tech students on 26-10-2021 was held in of-line mode on 25-10-2021
13. College Academic Calendar for S7 Published on 28-10-2021

## PROGRAM SPECIFIC OUTCOMES (PSOs):

PSO1:-Computer Science Specific Skills: The ability to identify, analyze and design solutions for complex engineering problems in multidisciplinary areas by understanding the core principles and concepts of computer science.

PSO2:-Programming and Software Development Skills: The ability to acquire programming efficiency by designing algorithms and applying standard practices in software project development to deliver quality software products.

## PROGRAM EDUCATIONAL OBJECTIVES(PEOs):

PEO1:-To prepare students to excel in Computer Science and Engineering program through quality education enabling them to succeed in computing industry profession.

PEO2:-To provide students with core competencies by strengthening their mathematical, scientific and basic engineering fundamentals.

PEO3:-To design & develop novel products and innovative solutions for real life problems in Computer Science & Engineering field and related domains by broad based knowledge.

PEO4:-To inculcate professionalism among students by providing technical, entrepreneurial skills and soft skills with ethical standards.

PEO5:-To encourage students for higher studies by adapting to new technologies through interactive quality teaching and organizing symposiums, conferences, seminars, workshops and technical discussions.

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