



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY PAYYANUR



DRISHTI

Department of Computer Science & Engineering

WOMEN ENGINEER'S DAY

*"A Winner is
Dreamer who
never gives up"*

-Nelson mandela



Our college's Women Cell celebrated The International Women Engineer's Day on 23 June at Seminar Hall. It was inaugurated by the Principal Dr. Leena A.V. and was felicitated by the U.G. Dean, Dr. Susan Abraham. All the female students, teachers and other staffs were gathered and the celebration ended by cake cutting.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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VISION

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.



MISSION

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

US Govt calls Tiktok a Chinese spywork,asks Apple and Google to remove app from app store

A us Govt official has asked for a permanent ban on video -sharing platform Tiktok.Brenden Carr,who works as a commissioner with the Federal communications (FCC) has written to Apple and Google asking them to remove tiktok from the app store and playstore. He alleges that the bitedance- owned app doesn't comply with the app store policies of apple and Google.

Brenden Carr posted a long letter to Apple and Google detailing why tiktok should be removed from the app stores. "Tiktok is not what it appears to be on the surface it is not just an app for sharing funny videos or memes. That's sheep's cloning at it's core, tiktok functions as a sophisticated surveillance tool that harvests extensive amounts of personal and sensitive data. It is clear tiktok poses an unacceptable national security risk due to its extensive data harvesting being combined with Beijing's apparently unchecked access to that sensitive data", He noted

-ANANDASREE KRISHNAN (2020-2024)

Drugs Used for Treating ADHD Could Help Treat Alzheimer's Symptoms

Researchers have found that certain drugs used for treating ADHD (Attention Deficit Hyperactivity Disorder) could help deal with the symptoms of Alzheimer's. In a new study, researchers analysed how noradrenergic drugs, used in ADHD patients, can also be used for treating Alzheimer's. These drugs tend to target the noradrenergic system which has locus coeruleus, a small part of the brainstem. This region is responsible for various functions that include learning, attention, and memory. It is controlled by a neurotransmitter called noradrenaline, which is a special type of brain cell that sends and receives messages in the brain. It is also involved in our body's "flight or fight response." Besides Alzheimer's, other diseases like ADHD, depression, and anxiety also lead to issues with the noradrenergic system functions. Noradrenergic treatments are thus prescribed for these diseases as well.

-SRAVAN R(2019-2023)

Scientists Develop Heart Helical Structure Model That Could Help Create Artificial Heart

Paving the way for the fabrication of artificial hearts, bioengineers at the Harvard John A. Paulson School of Engineering and Applied Sciences (SEAS) have successfully created a biohybrid model of human ventricles. The fabrication of a human heart is crucial as a heart cannot repair itself after injuries like other organs. But, to do so, researchers need to replicate the complex structure of the heart which includes helical geometrics that is responsible for twisting motions as the heart beats.

While it has been believed that the twisting motion is important for pumping blood in high volumes, scientists could not prove that. This was partly because creating hearts with different geometrics has been tricky. In the new study [published](#) in Science, scientists have been able to demonstrate that muscle alignment increases the amount of blood that the ventricles can pump while contracting.

-SRAVAN R(2019-2023)

“ You live only once, but if you do it right ,once is enough ”

-Mae West

PLACEMENTS

ThinkPalm



MUHAMMED SHAHIN

(2018-2022)

NATURE CLUB MEETING



The Nature club of SNGCET conducted the “ENVIRONMENT WEEK CELEBRATION” on 22 June. The gathering was welcomed by Sri. Vilas P., Chairman, Nature Club. The event was to honour Mrs. Sarojini, Gardner, SNGCET for maintaining the campus greenery. The chief guest, Sri. Padoli Ravi gave out the inaugural address and did the honours.

“Failure is opportunity to begin again more intelligently”

-Henry Ford

DEEKSHANT CONVOCATION



The convocation ceremony of batch 2020 and 2021, ‘DEEKSHANTH’ was conducted at the Seminar Hall. The ceremony was inaugurated by Dr. Leena AV addressed the gathering.

TRAINING PROGRAM FOR STUDENTS OF BATCH 2021-2025



A Training program was conducted for the students of batch 2021-2025 on 20 and 21 of June at the Meeting Hall by the crew of Craft Success.

TRAINING PROGRAM FOR STUDENTS OF BATCH 2020-2024



A Training program for the students of batch 2020-2024 was conducted on 27 and 28 of June at the Meeting Hall by the crew of Craft Success .

DEPARTMENT OF CSE PRESENTS

TECHKRANTI 5.0

PROMO

LAUNCH

Video Launch
Prof. Leena A V
Principal, SNGCET

Special Invitee
Prof. Vidhya Rajesh
Dept. of CSE, VJEC

VENUE: MEETING HALL, ADMIN BLOCK
TIME: 3:00PM
DATE: 30.06.2022

The Promo Launch of Techkranthi 5.0 was conducted on 30 June 2022 at the Meeting Hall. It was Inaugurated by Prof .Leena AV ,Principal,SNGCET in presence Special Guest Prof. Vidya Rajesh , Dept of CSE, VJEC.

“The best way to cheer yourself up is to cheer somebody else up”

-Mark Twain

ARTICLES**EDGE COMPUTING**

Formerly a new technology trend to watch, cloud computing has become mainstream, with major players AWS (Amazon Web Services), Microsoft Azure and Google Cloud Platform dominating the market. The adoption of cloud computing is still growing, as more and more businesses migrate to a cloud solution. But it's no longer the emerging technology trend. As the quantity of data organizations is dealing with continues to increase, they have realized the shortcomings of cloud computing in some situations. Edge computing is designed to help solve some of those problems as a way to bypass the latency caused by cloud computing and getting data to a data center for processing. It can exist "on the edge," if you will, closer to where computing needs to happen. For this reason, edge computing can be used to process time-sensitive data in remote locations with limited or no connectivity to a centralized location. In those situations, edge computing can act like mini datacenters.

- ARDRA PRASANTH (2020-2024)

INTERNET OF THINGS:What we need to know

We've all heard the phrase "Internet of Things" (IoT) but few of us have a solid understanding of what it means or how it will affect our lives. The IoT is a network of physical objects embedded with sensors, processors, software and connectivity that enables these objects to exchange data with one another and perform tasks without human interaction. It's also one of the most important emerging technologies today, which makes it critical for business leaders and decision makers to understand what IoT is and how they can benefit from its adoption. IoT is a network of physical objects embedded with sensors and software. The "things" in IoT are the same kind of things you see around you every day, like cars, home appliances, and industrial machines. The "sensors" are the hardware that collects data from the environment around them—cameras and microphones record images or sound; GPS receivers track location; motion detectors detect movement in their vicinity.

Let's say you work in the healthcare industry. You have sensors on your equipment and in your patients' homes, all of which are connected to a central server. With this information, you can track how many times a patient has risen out of bed since going home from the hospital, or how often they use their medicine dispenser. By using this data you can learn more about why certain people are likely to get sick and therefore take preemptive action before they become ill. This could include sending them tips or advice via email or text message (if they give permission). It also allows you to see when someone hasn't taken their medication so that you can contact them directly and remind them without it being intrusive or awkward for either party involved - no need for any awkward moments at family dinners! Other benefits include being able to monitor who takes part in an exercise program each week by seeing if anyone has logged activity levels into their account but hasn't come back after two weeks; if that happens then we know something isn't working properly and should look into fixing whatever's gone wrong."

- ABHIJITH A (2020-2024)

ALWAYS THROUGH THE PATH OF OBE

PROGRAM OUTCOMES (POs)

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

RECENT ACTIVITIES

1. *Environment day celebration.*
2. *Inauguration of nature club.*
3. *Supplementary registration of btech S4 exam was extended upto 6/06/22 for students Nd 07/06/2022 for colleges.*
4. *S8 regular exam time table was published.*
5. *Cleaning campaign for the campus was conducted.*
6. *S7 supplementary exam schedule for 2015 scheme was published.*
7. *The exam course registration for S2 S4 and S6 was opened.*
8. *Release of Time table for btech S7 supplementary.*
9. *Submission of remedial class time table.*

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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