



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY PAYYANUR



DRISHTI

Department of Computer Science & Engineering

“What new technology does is create new opportunities to do a job that customers want done”

— Tim O’ Reilly

HOD’s MESSAGE

A busy month!!! February was indeed busy as all faculty was in a rush to complete their portions as the semesters were verging to its end. Final year students were in their last minute preparation for their end semester exams. So in total it was extremely difficult to conduct any other programs apart from academics. More focus was given on the work related to NBA accreditation process. Some newly joined staff was not well aware of the real essence of what outcome based education is and what is to be done on that. So a plan was drafted to conduct a seminar in college level for the entire faculty of SNGCET, especially the newly joined ones in order to educate them the idea of OBE. Subjects for the upcoming even semester were finalized and the faculty was directed to submit their CPS. As always, the entire CSE department strength is its team spirit. The enthusiastic action of each and every member gives me inner strength to do more and more fruitful things for the upliftment of the department. I conclude by quoting the words of Mr. John C Maxwell, “The truth is that the teamwork is at the heart of great achievement”




- 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

SONY ANNOUNCES LINKBUDS WFL-900 FOR AN 'ALWAYS ON' SOUND EXPERIENCE

Sony has announced its new pair of earbuds, the Sony LinkBuds WF-900. The company had recently teased the product in their announcement, calling it the reveal of an “Always-on sound gateway.” The earbuds have gained more attention due to its unique and strange-looking doughnut-like shape.

Sony LinkBuds WFL-900 earbuds represent a new category of “always-on” earbuds designed for the consumer to wear all day. A hole in the earpiece lets outside sound in, while a circular speaker around the hole pumps in sound from the smartphone. The earbuds automatically change volume as you switch environments. While walking outside in the city, the volume would go way up. In quiet environment, the volume would go way down.

The ring driver in the Sony LinkBuds is said to have a diameter of 12mm. Sony’s own V1 Processor is expected to power the earbuds, offering low distortion and high fidelity. The buds also carry an IPX4 rating, making them splash-proof. The LinkBuds incorporate Digital Sound Enhancement Engine (DSEE) to make the most of compressed file formats.

Another unique feature of the buds is that users will be able to tap the front of their ears to control the buds, meaning there’s apparently no need to touch the buds themselves.

—AATHISH R (2020 - 2024)

**QUALCOMM SHOWCASES QUALCOMM SNAPDRAGON X70, THE ONLY 5G MODEM THAT**

Qualcomm has announced the new Qualcomm Snapdragon X70 modem which is the first ever 5G-capable radio chip that can connect to every commercial band: from 600MHz to 41GHz. Theoretically, that means any phone with this chip should be able to connect to every network in any part of the world.

Manufacturer of the chip, Qualcomm, is most focused on the speed and stability of this new fifth-generation product. It has the same peak speed as its predecessor: 10Gbps. Its peak uplink speed is 3.5Gbps, which will result in more stable connections for the users. The chip is also the first to use AI to enhance throughput as well as energy efficiency. Essentially, the built-in AI processor can tweak the Snapdragon X70 on the fly to deliver the best performance in the most energy-efficient way for your particular situation at that very moment. According to Qualcomm, this could result in up to 60% better power efficiency. However, that number is probably only attainable in the most ideal of situations.

Qualcomm hopes to start showing off the Snapdragon X70 to smartphone manufacturers in the second half of this year, meaning that smartphones would start shipping with this chip by the end of 2022.

— AATHISH R (2020-2024)

INTEL 12TH GEN ALDER LAKE CHIPS FOR THIN AND LIGHT LAPTOPS ANNOUNCED

Intel has launched the first wave of 12th Gen Alder Lake chipsets. The series was announced at CES 2022 but the H-series was made official back then. Now, the company has announced the rest of the series comprising the P-series and U-series.

The new chipsets are aimed at powering more affordable thin and light laptops in 2022. There are a total of 20 chipsets announced under the P series, U series (15W) and U series (9W). The first laptops with the new Intel chips are set to arrive from March 2022.

The new chips also feature Intel’s Iris Xe graphics, along with support for WiFi 6E, Thunderbolt 4, and PCIe 4.0, but no HDMI 2.1. The new chips will also be a part of Intel’s Evo standard (gen 3) which will mean new 1080p webcam and WiFi 6E networking along with other battery and fast charging requirements. Similar to the H-series, the new P and U series chips have more cores than the 11th gen Intel chipsets that we saw last year. Intel claims that the 12th Gen chips push out better performance with 70 per cent better multi-thread performance compared to 11th Gen.

— AKSHAYA M K(2018-2022)

“The great growling engine of change — Technology”

— Alvin Toffler

DID YOU KNOW ?

💡 The house where Bill Gates lives, was designed using a Macintosh computer.

💡 CAPTCHA means “Completely Automated Public Turing Test to tell Computers and Humans Apart”.

💡 Douglas Engelbert is the first man to invent a mouse in 1964 using wood.

PLACEMENTS



AKSHAYA M K

(2018-2022)

Capgemini

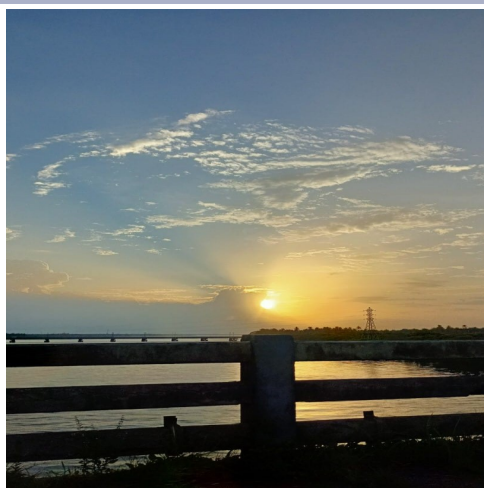
“I have not failed. I’ve just found 10,000 ways that won’t work”– Thomas Edison

FACULTY ACHIEVEMENTS

Prof. NEHA M V || Prof. SHARIJA P || Prof. VIJINA VIJAYAN || Prof. VARSHA M || Prof. JINSHA C J

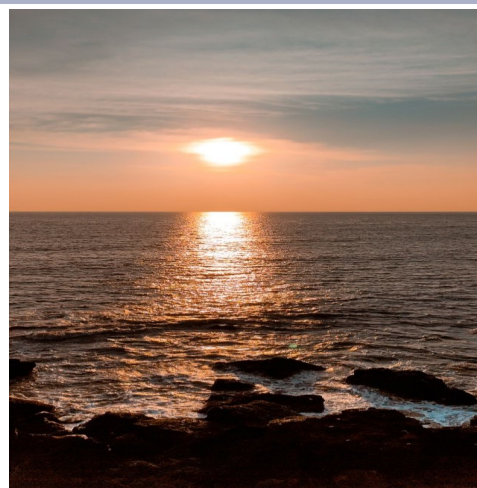
- Participated in the 5 days online Faculty Development Programme on **Recent Trends and Application of NLP** organised by Department of Computer Science and Engineering, SCMS School of Engineering and Technology, Karukutty, Kerala from 15th February 2022 to 18th February 2022.

THROUGH THE LENS



LAVANYA PRASAD

(2018-2022)



SIDHARTH S BABU

(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) Detailed timetable of B.Tech S7 regular and supplementary December 2021 (2015 scheme) was published on 02-02-2022.
- 2) S6 result including comprehensive viva published on 05-02-2022
- 3) The detailed tangible of BTech S5 (S,FE) (2015 scheme) examinations, January 2022 was published on 08-01-2022
- 4) Second series test time table for S1 students was published on 11-02-2022.
- 5) It was informed on 16.02.2022 that semester classes for S1 ends on March 11th and S3, S5 classes ends on March 14th
- 6) Odd semester results December 2021 Regular and supplementary examination was published on 19-02-2022
- 7) Published conduction of end semester examination by external examiners for laboratory courses-UG and PG programmers on 20-02-2022.
- 8) Admission sub-committees for the academic year 2020-2023 was published on 22-02-2022.
- 9) Decided to conduct an essay competition for students on the topic "Internet of things" on 24-02-2022 under SNGCET NDLI club on 21.02.2022.
- 10) The revised examination calendar March/April 2022 of odd semester December 2021 regular and supplementary examination was published on 26-02-2022

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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