SAKSHIN

MONTHLY NEWSLETTER OF DEPARTMENT OF CSE/CSE(AI)

VISION

- *Nurturing globally competent Computer Science and Engineering graduates capable of taking challenges in the Industry and Research& Development activities*

MISSION

- *Imparting quality education to meet the needs of industry, and to achieve excellence in teaching and learning*
- *Inculcating value-based,socially committed professionalism for development of society*
- *Providing support to promote quality research*

SUYATI TECHNOLOGY FINAL PROJECT DEMO AT INFOPARK

EDITORIAL BOARD

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STUDENTS CHAPTER

COMPUTER SOCIETY OF INDIA (CSI)

The department of CSE along with Computer Society of India (CSI) , ASIET conducted a webinar on 'Image analytics' on 12/02/2022 for the students of First Year CSE students. Image analytics is the automatic algorithmic extraction and logical analysis of information found in image through digital image processing techniques. The Speaker for the session was Dr. Manish TI, HOD, CSE Department.

HACK CLUB

Python is a popular general purpose programming language. It is one of the best programming languages for dealing with Data Science and Analytics, Artificial Intelligence and Scientific Computing.

Hack Club ASIET organized a workshop on the Basics of Python on 12/02/2022. The session was led by Aaron P Laiju (S3 CSE AI), coordinated by Kevin Paul of S5 CSE B and 19 students from S1 and S3 participated in the workshop.

CONGRATULATIONS

STUDENT'S CORNER

CASE STUDY

The students of S5 CSE A conducted case study on the following topics as a part of the Disaster Management subject under the guidance of Asst.Prof.Anila S.

- Kerala floods
- Kerala cyclones
- Hydrological drought frequency analysis in south Kerala
- Covid 19, pandemic in Kerala
- 2021 Nipah virus outbreak in Kerala
- Sabarimala stampede

FACULTY CORNER

FDP/WORKSHOP

- Asst.Prof.Asha Rose Thomas participated in 5 days FDP from 15/02/2022 to 18/02/2022 on 'Recent trends and applications of NLP', organzed by SCMS school of Engineering and Technology.
- Asst.Prof.Rosemary Deljo attended an online Winter school on 'Software Engineering' from 14/02/2022 to 18/02/2022, organized by HSE University, Moscow, Russia
- Dr. Sanaj M S attended two days online workshop in 'Cyber attacks and web application security' by Velammal Institute of Technology Chennai from 25/02/2022
- Asst.Prof. Sreeresmi T S and Asst.Prof.Anila S attended 7 days FDP from 19/01/2022 to 25/01/2022 on 'Advances in Cyber Security', organized by College of Engineering, Kallooppara

ADMISSIONS OPEN FOR 2022

OPPORTUNITIES !!!!!

ISRO - free online certification

Indian Space Research Organization (ISRO) is inviting applications for the free online course on different subjects. The online course will be conducted for 5-days where the participants will be awarded a certificate. The course is offered by ISRO and will be conducted through the Indian Institute of Remote Sensing (IIRS).

The Tech-News

How can the computer chip predict the future of gene synthesis?

Creating synthetic life could be easily within our grasp soon based on a comparison with the evolution of computer chips.

Computer programming and gene synthesis appear to share little in common. But according to University of Cincinnati professor Andrew Steckl, an Ohio Eminent Scholar, leaps forward in technology in the former make him optimistic that wide scale gene manufacture is achievable.

"No analogy is perfect. DNA doesn't meet certain definitions of digital code," Riolo said, "but there are a lot of ways the genome and software code are comparable."

According to the UC study, synthetic biology has the potential to be "the next epochal technological human advancement following microelectronics and the internet." Its applications are boundless, from creating new biofuels to developing new medical treatments.

Scientists at the J. Craig Venter Institute created the first synthetic organism in 2010 when they transplanted an artificial genome of Mycoplasma mycoides into another bacterial cell. This relatively simple artificial genome took 15 years to develop at a cost of more than $40 million.

But by using computer chip development as a guide, Steckl said we can infer the speed and costs of producing similar synthetic life might follow a similar trajectory as the performance and cost of electronics over time.

The article highlights the comparison and similarities between biological and digital coding languages in terms of alphabet, words and sentences. However, the authors underline that DNA coding -- the combinations the adenine, guanine, thymine and cytosine that make up a genome -- only tells part of the complex story of genes and omits things like epigenetics.

Read more : https://www.sciencedaily.com/releases/2022/03/220303162039.htm