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*

HAPPY New Year 2023

CS Association Inauguration and Logo Lunch

An inauguration ceremony for the Computer Science Association was held on 12 December 2022. The chief guest for the occasion was Mr Bhadran V K, who is the Technical Director at Alibi Global, Technopark, Trivandrum. Mr. Bhadran previously served as Senior Director of CDAC and Associate Director of the Resource Centre for Cyber Forensics at the Center for Development of Advanced Computing (CDAC), Trivandrum. At this event, the chief guest also unveiled the logo for the CS association.

Technical Talk on Cyber Forensics and its scope, Job Opportunities

On the occasion of the inauguration of the Computer Science Association, there was a technical talk by Mr. Bhadran V K on the topic "Cyber Forensics and its scope, Job opportunities". As a pioneer in the field of cyber forensics, he introduced several key steps in cyber forensics to identify different types of digital crimes, along with the latest innovations, software tools, and methodologies. He demonstrated how digital evidence can be acquired from various digital sources, such as networks, disks, and computer memory.

Furthermore, he discussed the importance of cyber forensics, the required capabilities of a cyber forensic analyst from an industry perspective, and the availability of job opportunities in the field. As part of association activities, certification courses and internship opportunities are planned to be offered in association with Alibi Global to enhance job opportunities for students.

UPANAYANA - 2022

A Community Inception Ceremony of Parents & Students of our 22nd batch of B. Tech and the 13th batch of M. Tech was organized on 16-12-22. Ms. Nirmala Lilly, CEO of Infinity Hospitality Services, Cochin was our chief guest. With her own life experiences, she motivated our students to take on different challenges and suggested a variety of strategies for success in their professional development.

During Updanayana-22, the chief guest felicitated our final year students, Joseph George Padayatty, Royal Babu Sanath Savio Nelson, and Sidharth K Ajith, who won the second runner up prize of Rs. 2 lakh at the Climathon event organized by Kerala Startup Mission in collaboration with EY Global Delivery Services, and NASSCOM. They represented the uFrams incubated at Adi Shakara TBI.

Suyati Technologies Partnership & certificate distribution ceremony

A certificate distribution ceremony was held at the Adi Shankara Institute of Engineering and Technology, Kalady as part of the partnership with Suyati Technologies Ltd, a multinational company located in Infopark, Kakkanad. Our Managing Trustee Sri K Anand and CEO of Suyati Raj Srinivasan inaugurated the event. Certificates have been distributed to students who have successfully completed their internships. With the guidance of technical experts at Suyati, our third-year B.Tech students have developed projects based on the latest technologies in Artificial Intelligence and Data Science.

ASHWAMEDHA 22

The technical event of ASIET, Ashwamedha-22, took place on 22-12-2022. In connection with this event, CSE and CSE-AI students organized several technical events which enabled students to interact, network, and demonstrate their skills.

SIGNIFICANT EVENTS IN ASWAMEDHA CONDUCTED BY CSE STUDENTS

BLIND CODING

The blind coding exercise involves participants being given a coding challenge to complete, but not being allowed to access any external resources (such as the internet or reference materials) or receive assistance from others. Participants must rely on their own knowledge and skills in order to complete the challenge, and their ability to write clean, efficient, and functional code was evaluated.

CRYPTO - WORKSHOP

A workshop on advanced crypto topics, such as cryptocurrency, web3 and blockchain, was organized as part of Ashwamedha'22. A total of 62 participants attended the workshop. Mirzad Mukhdoom, a crypto influencer and blockchain consultant, founder and CEO of Tribe Academy, delivered the keynote address for the event. Overall, this session was very informative for the participants, and they gained a deeper understanding of these topics.

TRANSCEND REALITY-VR EXPERIENCE

A VR experience event was organized, where participants were given the opportunity to experience virtual reality on appropriate devices and handsets. Arrangements for the entire event setup were made by a team from outside of college. The event was attended by many. There were two levels of experience available to them, one involving a shooting game and the other involving a roller coaster.

SPARK - AR FILTER DEVELOPMENT WORKSHOP

SSPARK, a workshop on AR filter development, was organized by the Computer Society chapter of IEEE SB ASIET as part of Ashwamedha'22. In this workshop, all participants developed an AR filter using Metaspark software under the supervision of Mr. Salih Yoosaf, Metaspark AR Developer. This was a four-hour workshop in which students were able to design their own fun filters. The participants provided positive feedback after the event and stated that they found the event to be really interesting and that they were able to build their own filters.

FACULTY CORNER

- Prof.Joseph George attended 2 weeks FDP on "Deep learning: Models and use cases using Python" on 12th December to 21st December organized by IIIT Kottayam.

- ASIET hosted a meeting between college anti-narcotics cell members and excise officers. Shri Ramprasad, the Excise Inspector, conducted the discussion on the Role of Faculty on Campus and the Action Plan to Prevent Drug Use in Any Form on Campus. Prof. Rosemary Varghese was involved in this interaction.

STUDENT CORNER

- Neethu M (S7 CS B) attended the nature camp organized by the NSS Unit on 15th to 17th December at Silent Valley, Mannarkadu NSS ASIET organised a 7 day camp Uyaram 22 at St.George English Medium School, Chully from 22nd to 28th of December. Around 75 students from 2nd year and 3rd year attended the camp. They were actively involved in works such as pond cleaning, school and compound cleaning, vegetable garden setting, setting school library and laboratory, energy conservation survey, electric fencing in the plantation and many more.
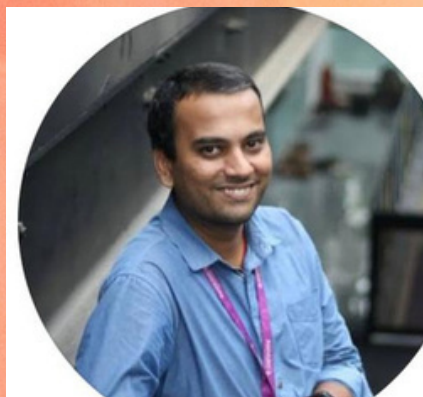

UPCOMING EVENTS!

- **Technical Workshop on Python Web Development by CS Association- February 2023**
- **Social relevance activities like Imparting Basic Computer Knowledge to Society by CS Association- February 2023**
- **Adi Shankara Hackathon 2K23- March 2023**

WELOCOME ABOARD

Prof. P.V RAJARAMAN

Head of the Department
Department of ARTIFICIAL INTELLIGENCE
ASIET

Prof. P V Rajaraman is a member of IEEE. He received his diploma from the Directorate of Technical Education and a Bachelor of Engineering (B.E.) from Anna University, Chennai. He holds a Master of Engineering (M.E.) from Sathyabama University in Chennai and completed his doctoral research at Anna University in Chennai. His research specializations include Artificial Intelligence, Machine Learning, Natural Language Processing, and Computer Vision. Previously, he worked as an assistant professor in the department of computer science & engineering at Rajalakshmi Engineering College, Chennai from 2012 to 2022. Prior to that, he was with the department of computer science & engineering at Panimalar Engineering College from 2009 to 2012. He has published many of his works in reputed peer-reviewed journals and conferences. He has served as a reviewer for the Springer Journal of Network Analysis and Mining, as well as for several international conferences. He worked on several government-funded projects and recently developed a system for detecting the intensity of COVID-19 in patients. Moreover, he has been involved in a number of consultancy projects related to the development of smart devices for industry and factories in the public and private sector. In addition to his academic services, he has studied the Nyaya and Vedanta Sastras under Dr. Goda Venkateswara Sastrigal who is an expert in both. Following the orders of His Holiness Sri Sri Bharathi Thirtha Mahaswamigal, Sringeri Mutt, he has been delivering lectures on the Vedas, Upanishads, and Puranas for the past 20 years. He was also awarded the Agyam Namboodiri Award in 2019 for his significant contributions to Vedic research and studies.

Congratulations and warm welcome!

We are delighted to welcome you as the Head of the Department. We strongly believe that your experience and knowledge will be a great value addition to the department.

BLOG CORNER

Virtual Labs

Virtual Lab is an online virtual laboratory platform developed by the Indian Institute of Technology (IIT) Delhi in association with other IITs, NITs, and other frontline educational institutions in India. It is an initiative of the Ministry of Human Resource Development (MHRD), Government of India, under the National Mission on Education through Information & Communication Technology (NMEICT).

Virtual labs are often used in science, technology, engineering, and math (STEM) education and can be a valuable tool for students to develop their critical thinking and problem-solving skills. Additionally, virtual labs can also be used to supplement or replace traditional laboratory experiences in a variety of fields. Just go and explore www.vlab.co.in.

In a virtual lab, students can conduct experiments, develop and analyze data in an online environment. Virtual laboratories are normally hosted on a web-based platform and can be accessed from any computer with an internet connection and a PC or laptop. This allows students to gain hands-on experience in a variety of scientific disciplines without having to be present physically in a laboratory. This method is a highly effective teaching pedagogy that may be incorporated into the teaching methods of any faculty member or teaching staff in order to complement laboratory work and reduce the cost of infrastructure to a significant extent.

There are several advantages to using virtual labs in education:

- **Accessibility:** Virtual labs can be accessed from anywhere with an internet connection, making them accessible to students in remote or underserved areas who may not have access to traditional laboratory equipment.
- **Cost-effective:** Virtual labs can be less expensive to develop and maintain than traditional labs, and can save on costs associated with purchasing and storing equipment.
- **Safety:** Virtual labs eliminate the need for students to handle potentially dangerous equipment or chemicals, reducing the risk of accidents or injuries.
- **Flexibility:** Virtual labs allow students to conduct experiments at their own pace and repeat experiments as needed, providing more opportunities for practice and repetition.
- **Variety:** Virtual labs can simulate a wider range of experiments than is possible with traditional labs, allowing students to explore different concepts and phenomena.
- **Easy to store and share:** Virtual labs can be easily stored and shared online, making it easy for teachers to use and reuse them with different students.
- **Improved Learning:** Virtual labs enable students to understand the scientific concepts better and help them to develop critical thinking and problem-solving skills.

Written By Prof. Manesh T, HOD-CSE