MARCH MONTH 2025

NEWSLETTER

IT DEPARTMENT

GUEST LECTURE

ST. JOSEPH'S INSTITUTE OF TECHNOLOGY
An Autonomous Institution Affiliated to Anna University

DEPARTMENT OF INFORMATION TECHNOLOGY
GUEST LECTURE
on
CYBER SECURITY
Exclusively for III year students

Dr. K. KULOTHUNGAN
Associate Professor
Department of Information
Science and Technology
Anna University, Chennai

VENUE:
CONFERENCE HALL

17/03/2025
10.00 AM to 11.30 AM

ST. JOSEPH'S GROUP OF INSTITUTIONS, OMR, CHENNAI-119

Our Department organized a Guest lecture on "Cyber Security" on March 17, 2025, exclusively for third-year students. The lecture was aimed at enhancing students' understanding of the rapidly evolving field of cyber security and its importance in the modern digital world. The guest speaker, Dr. K. Kulothungan, an expert in the field of Computer Science and Engineering and an Associate Professor at Anna University, Chennai, delivered the session.

Dr. Kulothungan started the lecture by explaining the fundamentals of cyber security, its significance, and the increasing reliance on digital infrastructure globally.

He emphasized the need for robust security mechanisms to protect sensitive data from malicious cyber threats.

The guest speaker introduced the concepts of ethical hacking and penetration testing, explaining how these practices help in identifying vulnerabilities within systems before malicious hackers can exploit them.

After the lecture, a Q&A session was conducted, where students actively engaged with Dr. Kulothungan, asking questions on various aspects of cyber security.
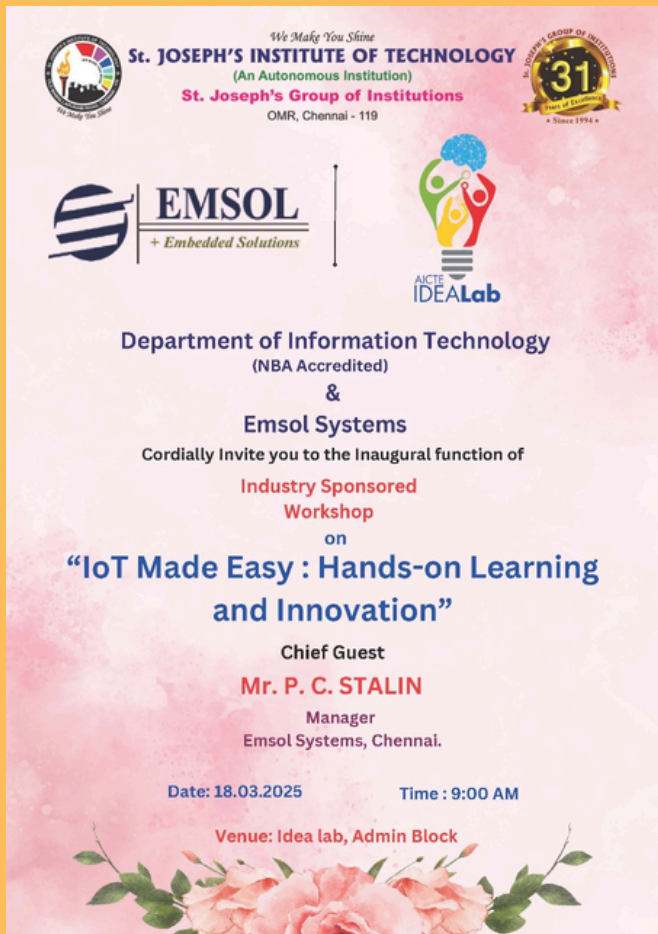

The guest lecture proved to be a valuable learning experience for all attendees.

The students gained a deeper understanding of the critical aspects of cyber security and how it relates to their future careers.

Industry Sponsored Workshop

The IT Department organized a three-day industry-sponsored workshop on "IoT Made Easy: Hands-on Learning and Innovation" from March 17, 2025, to March 19, 2025.

The workshop was designed to provide students with a practical understanding of the Internet of Things (IoT), one of the most rapidly evolving fields in technology.

This workshop, sponsored by Emsol Systems, aimed to bridge the gap between academic learning and industry practices by offering students an opportunity to learn through hands-on sessions and real-world applications.

The chief guest for the event was Mr. C. P. Stalin, Manager at Emsol Systems, Chennai. His expertise in the IoT domain and his company's extensive involvement in the industry made him the perfect speaker to guide students through the complexities of IoT systems.

The workshop concluded with a presentation session, where each team demonstrated their IoT projects. Mr. C. P. Stalin, along with other faculty members, evaluated the projects, providing feedback and suggestions for improvement.
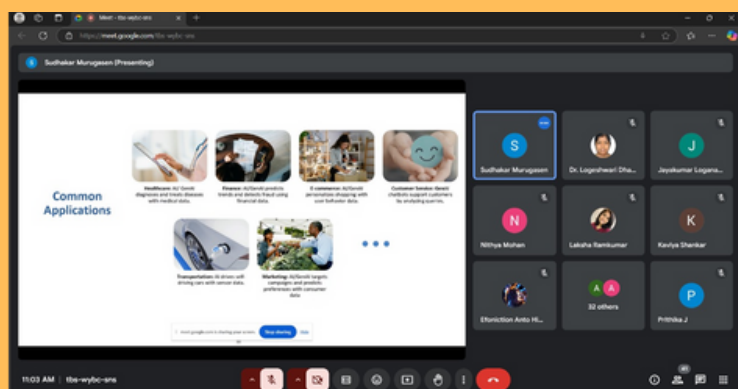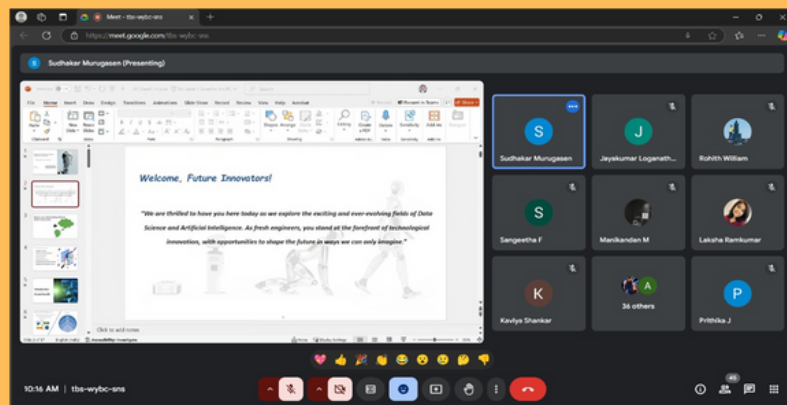
Technical Talk

The IT Department organized an online technical talk on "Predictive AI, Generative AI & its Applications in Enterprises" on March 29, 2025. The session was conducted by Mr. Sudhakar M, a Program Director and Senior Enterprise Architect at Tata Consultancy Services (TCS), Chennai.

This insightful talk aimed to provide participants with an in-depth understanding of two of the most transformative areas in Artificial Intelligence (AI): Predictive AI and Generative AI, and their practical applications in modern enterprises.

Mr. Sudhakar M provided comprehensive insights, breaking down complex topics into easily understandable concepts for students and professionals alike.

The session was highly informative and engaging, covering a wide array of topics related to AI's impact on businesses and enterprises.

The session began with an overview of the current landscape of AI technologies. He explained the difference between Artificial Intelligence, Machine Learning (ML), and Deep Learning, providing context on how these technologies are transforming industries globally

Following the presentation, a Q&A session was held where attendees actively interacted with Mr. Sudhakar, asking questions about the practical aspects of implementing AI in enterprises.

He provided insightful answers to these questions, offering practical advice for both students and professionals looking to enter the AI field.

Professional Chapter Activities

On March 28, 2025, the IT Department hosted an exciting and competitive Code Jam Event, exclusively for students who are members of the Computer Society of India (CSI). The event was designed to provide a fun, yet challenging platform for students to test and showcase their coding and problem-solving abilities.

The Code Jam aimed to engage students in an environment that encouraged both collaboration and competition, while helping them enhance their programming skills through a series of timed challenges. It also provided an excellent opportunity for CSI members to connect, learn, and demonstrate their talent in a competitive setting.

The Code Jam was structured into multiple rounds, each testing different aspects of programming and problem-solving abilities. The event was held in a competitive format, with students participating individually or in teams, depending on the problem-solving approach.

Each problem was scored based on accuracy and efficiency of the solution. The scoring system was designed to reward participants for writing optimal solutions in terms of both time and space complexity.

At the end of the event, the top performers were recognized and awarded prizes for their exceptional performance.

While the event was competitive, it also provided a collaborative environment for CSI members. Participants exchanged ideas, discussed problems, and even helped each other out during certain rounds, fostering a sense of camaraderie among the coding community.

Professional Chapter Activities

On March 19, 2025, the Department of Information Technology, in collaboration with the IEEE Chapter, organized an insightful guest lecture on the theme "Industry Expectations vs Academic Learning".

The session was held at the auditorium and was graced by the distinguished presence of Mr. Balaji, the CEO of Indiesprit Technologies.

With years of experience in the industry, he shared his expertise and insights on the gap between academic learning and industry requirements, offering valuable advice to students preparing to enter the workforce.

The lecture aimed to provide a deep understanding of how the skills acquired in academic settings align with the real-world expectations of employers in the technology sector. This session also helped students recognize the areas where they need to focus their efforts to bridge the gap and enhance their employability. He began his lecture by addressing a common concern among students: the gap between academic education and the skills required in the workplace.

He explained that while academic learning provides a strong foundation, it often lacks the practical, hands-on experience that industries demand.

After the lecture, a Q&A session was held, where students actively engaged with Mr. Balaji, asking questions about industry trends, career opportunities, and how to stay ahead in a competitive job market

Professional Chapter Activities

On March 17, 2025, the Department of Information Technology, in collaboration with the Computer Society of India (CSI) Chapter, organized an enlightening guest lecture on the topic "Digital Detox".

The session took place at the college auditorium and was delivered by Mr. M Senthil Kumar, the Chairman of the CSI Kancheepuram Chapter. Mr. Senthil Kumar, a prominent figure in the field of technology, shared his insights on the growing concern of digital addiction and the importance of taking regular breaks from the constant bombardment of screens and digital devices.

The lecture provided valuable information on how digital dependency is affecting various aspects of life, including productivity, mental health, and well-being.

Mr. Senthil Kumar emphasized the need for a balanced approach to technology use and offered practical tips on how individuals can integrate digital detox into their daily lives.

Mr. Senthil Kumar began the lecture by explaining the concept of digital detox, which refers to the intentional act of taking breaks from digital devices like smartphones, computers, and social media. He highlighted how modern life has become increasingly dependent on digital technologies, with individuals spending hours each day glued to screens for work, entertainment, and social interactions.

During the lecture, Mr. Senthil Kumar suggested several practical steps to incorporate digital detox into daily routines

Professional Chapter Activities

On March 19, 2025, the Department of Information Technology, in collaboration with the IEI Chapter, organized an insightful guest lecture on the topic "Introduction to Version Control Systems: Harnessing the Power of GIT". The session was held in the college auditorium and was delivered by Mr. Sushrut Vinayak, a seasoned Software Developer from Citicorp.

The primary aim of the lecture was to introduce students and faculty to the importance of Version Control Systems (VCS), with a specific focus on GIT, one of the most widely used version control tools in the software development industry. Mr. Vinayak provided a thorough overview of how version control systems help developers manage code, collaborate effectively, and track changes in a project.

The session was packed with valuable insights on Version Control Systems and how GIT plays a crucial role in modern software development. Mr. Vinayak provided practical demonstrations and explained various aspects of GIT, making the session both informative and engaging.

The lecture concluded with a discussion on how GIT is used in real-world software development. Mr. Vinayak explained that version control is an essential skill for professional developers, and most companies require familiarity with GIT for collaborative projects.

Professional Chapter Activities

On March 18, 2025, the Department of Information Technology, in collaboration with the IEEE Chapter, organized an engaging and insightful one-day workshop titled "Mastering the Skies: A Hands-on Drone Workshop". The workshop, held at the college campus, was conducted by Dr. Venkataraman and Dr. Maria Anu, both esteemed Associate Professors from VIT Chennai.

The session focused on providing students and faculty with a comprehensive understanding of drone technology, its applications, and the skills required to build and operate drones.

The hands-on workshop allowed participants to explore the exciting world of drones and gave them the opportunity to engage in practical learning by assembling, programming, and flying drones.

The workshop aimed to provide valuable insights into the drone ecosystem, covering everything from basic principles to advanced operations.

The workshop was packed with interactive and practical sessions that allowed participants to explore drone technology and develop their skills under the guidance of expert instructors. Dr. Venkataraman and Dr. Maria Anu conducted the sessions with a clear focus on both theoretical and practical aspects of drone technology.

WORKSHOP

The Department of Information Technology successfully organized a 2-day workshop on March 19th and 20th, 2025, focusing on UI/UX Design, Fullstack Web Development, Machine Learning, and Cyber Security. This workshop aimed to provide II-year students with a practical understanding of key technologies and industry best practices in these fields.

The workshop featured hands-on training sessions conducted by industry experts from various domains. These professionals provided valuable insights into the latest trends and methodologies in each area of specialization, ensuring that students gained both theoretical knowledge and practical experience. The students were also given the opportunity to work on projects and exercises that helped them build real-world skills in these critical areas.

The first session of the workshop focused on UI/UX Design and was led by a seasoned UI/UX expert from the industry. The session aimed to introduce students to the principles of designing intuitive and user-centered interfaces.

WORKSHOP

The second session focused on Fullstack Web Development, providing an overview of both front-end and back-end development.

The third session delved into the world of Machine Learning (ML). The trainer, a data scientist with expertise in AI, explained how machine learning algorithms are used to derive insights from data and make predictions.

The final session of the workshop was focused on Cyber Security, where students learned about the common threats and vulnerabilities in the digital world and how to protect systems from attacks.

The 2-day workshop on UI/UX Design, Fullstack Web Development, Machine Learning, and Cyber Security was a great success. The students were able to gain practical experience in each of these key areas of modern technology.

The hands-on training sessions helped reinforce theoretical knowledge and provided students with the opportunity to apply what they learned in real-world scenarios.

Department of IT congratulates following students Keerthivasan D Siva Harshini G Prithika J for winning First Prize in PUDHU YUGAM - 2025 A PROJECT EXPO on "Skin Cancer Detection Using CNN Algorithm" HELD ON 25 TH MARCH 2025 under the guidance of Dr. K. Vijayakumar, Dr. R.Deepa

Department of IT Congratulates the following students Kavi Piriyan S H Amrutha Reddy M Krishika S for winning Third prize on PROJECT EXPO on "Alzheimer Prediction Using Machine Learning" HELD ON 25 TH MARCH 2025 under the guidance of Dr. F. Sangeetha, Dr. D. Logeshwari

Student's Achievement

Department of IT Congratulates the following students Sandhiya G and Vishwa V, Shankara Narayanan, Shyam K for winning First Prize in Decodex event and 2nd prize in Brain byte event and 3rd Prize in PRAVESHA 2k25 at vels institute of science and technology

Student's Achievement

Department of IT pleased to congratulate the following students Sandhiya G and Vishwa V for winning in the Codezen a Technical Event in One day National Level Technical Symposium held on 20th March 2025, conducted by SRM Institute of Science and Technology Institute of Technology, Chennai.

Department of IT pleased to congratulate the following students Ms. Monika D, Nitesh Kumar S K for winning SECOND prize in the Technical Event HACK 'N HUNT during International Tech Fest TEXUS '25 held on 28th March 2025, conducted by SRM Institute of Science and Technology, Ramapuram, Chennai 600089.

GO for IT!

Mock Interview

The Department of Information Technology organized a Mock Interview session exclusively for III IT students as part of its continuous efforts to prepare students for the professional world and enhance their interviewing skills. The event was held on 22.03.2025 and featured prominent alumni from various tech domains, who returned to their alma mater to guide the students through a real-world interview experience.

The session provided students with valuable exposure to different types of interviews, ranging from technical to behavioral.
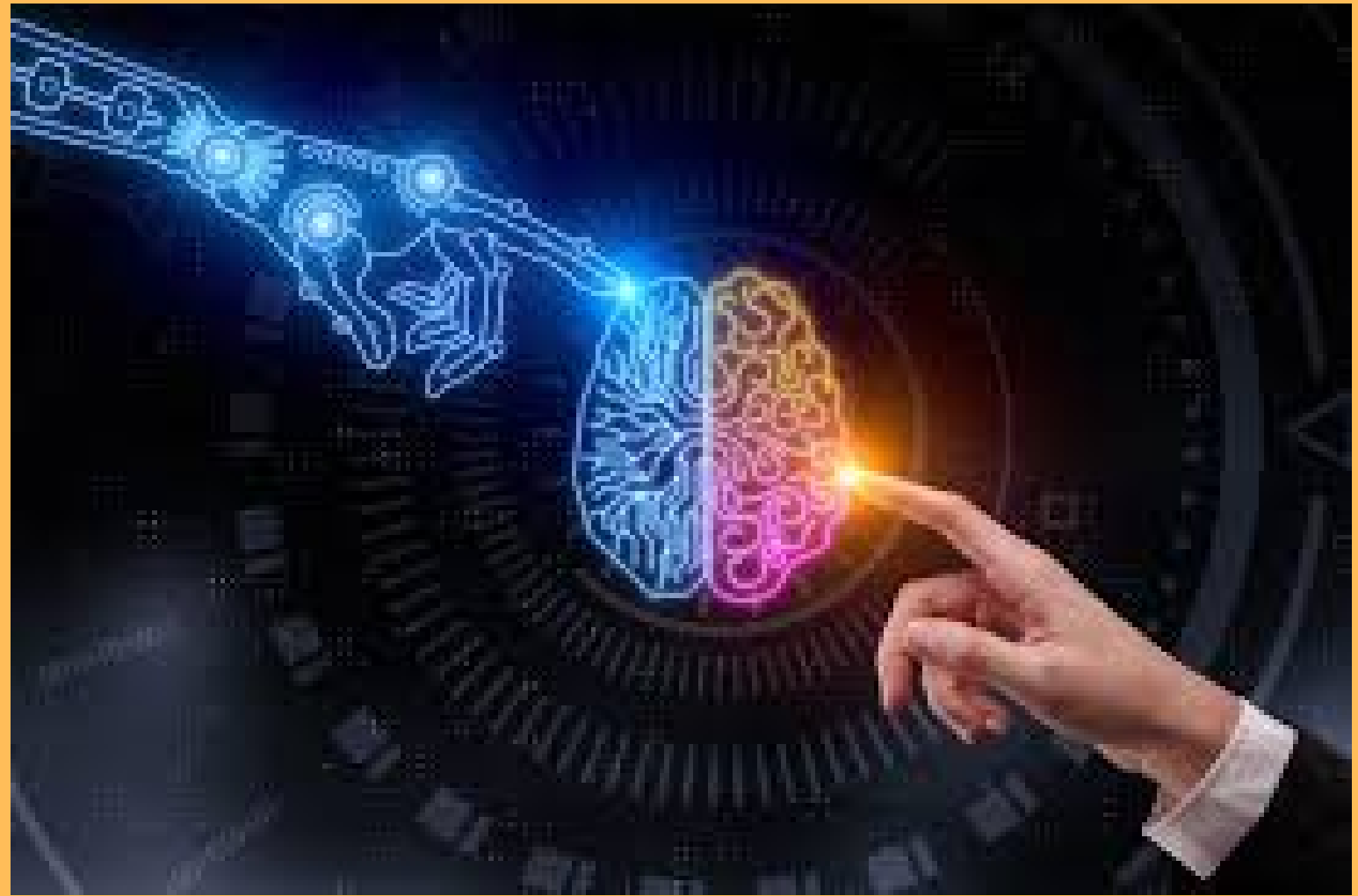
The alumni mentors, all of whom are established professionals in their respective fields, assessed the students' responses, offered feedback, and shared essential tips to improve their performance in future job interviews.

The event was structured to provide an all-rounded experience of the interview process.

Each student participated in one-on-one mock interviews, where they were interviewed by different alumni mentors, each focusing on their specific area of expertise

After each mock interview, the alumni mentors provided individual feedback, highlighting strengths and areas for improvement. Students received constructive criticism on their interview techniques, communication style, and technical expertise.

Editorial Board

Dr K Vijayakumar

HOD

Staff Member

A Saranya