

## 1. Harnessing the power of Multimodal AI for Real Time Applications

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering with **Specialization in AI, AIML and DS** organized “Harnessing the power of Multimodal AI for Real Time Applications”, FDP event held on June 22, 2024. The FDP was attended by the faculty of the School of Computing. The speakers Mr. Varunsaagar Saravanan, Lead AI ML, Strategy Team, GenAI and LLM based multimodal which is used for real time application. The session focused on advances in GenAI and LLM used in Video streaming, data analytics, advanced techniques and real time applications. Approximately 40 faculties benefited to gain the knowledge about the current trends from the video streaming process.



## 2. SDP on Generative AI & Transformers

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering with **Specialization in AI, AIML and DS** organized **SDP on Generative AI & Transformers** on 04/07/2024. The SDP was attended by the students of the School of Computing. The speakers Mr Marshal, Mr.Saarunathan, Mr.Samuel,Co-founder & Chief Officers of Sentient Matters taught the students to create new content, such as text, images, music, and more, by learning patterns from existing data. These systems can generate outputs that are novel yet similar to the data they were trained on. We thank our management for helping us organize the event in a successful manner. The theme for this FDP is to deliver the Industry exposure for Generative AI for realtime applications. This program aims to promote innovation, foster creativity, and encourage collaboration among students with a passion to build Generative AI Applications for Industry



### 3. AI based Product Development & Design

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering with **Specialization in AI, AIML and DS** organized an “AI based Product Development & Design” on 09/07/2024. The SDP was attended by the students of the School of Computing. The speakers Mr Ajay Kumar, Chief Technology Officer of COGNIBOT Leverages AI's predictive analytics to anticipate user needs, ensuring product features align with evolving market trends. Incorporated AI-driven user testing to streamline design iterations, enhancing user experience and reducing development cycles. We thank our management for helping us organize the event in a successful manner.



#### 4. Robotics Fusion

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering with **Specialization in Artificial Intelligence** organized a Robotics Fusion Program Orientation event conducted on 9<sup>th</sup>-14<sup>th</sup> August 2024. The event offered an in-depth introduction to programming, focusing on the foundational principles essential for robotics and automation. Students were guided through a variety of hands-on projects that brought theoretical concepts to life, making the learning process dynamic and engaging. These real-time projects encouraged creativity and critical thinking, enabling students to solve complex problems while working collaboratively. The orientation emphasized practical applications, fostering a deeper understanding of robotics and its potential in real-world scenarios. By the end of the program, participants were well-prepared to embark on more advanced robotic challenges, equipped with both technical skills and confidence.



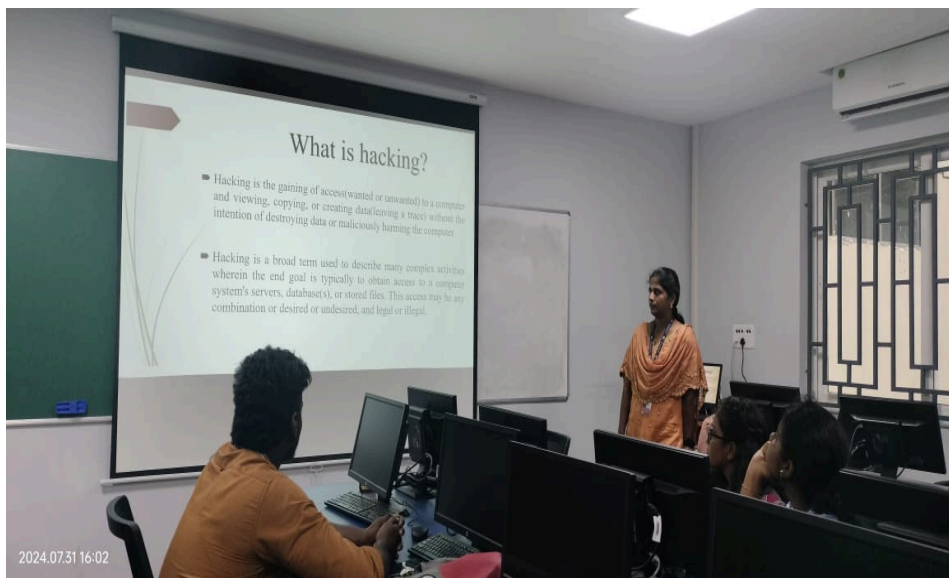
## 5. Mobile Application Development

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering with **Specialization in Artificial Intelligence and Machine Learning** organized a comprehensive workshop on Mobile Application Development from July 8, 2024, to July 18, 2024. The event focused on equipping participants with a solid understanding of React Native. Through engaging sessions and practical demonstrations, the workshop provided a robust foundation for mobile app development. Participants gained the skills and confidence to independently design and develop applications, enabling them to address real-world challenges aligned with their interests and innovative ideas. This initiative also fostered a spirit of learning and innovation, empowering participants to explore advanced technologies in mobile application development.



## 6. Cyber security Essentials

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization in Artificial Intelligence** organized a 30 hours Value Added Course on Cyber security Essentials from July 2024 to September 2024, to participants to cover essential topics such as data security, maintaining data integrity, and confidentiality. It also includes practical exercises on software updates, patches, authentication, encryption, and device security. Participants learn through real-world scenarios, which help in understanding the implications of unsafe practices and how to protect personal and professional information.



## 7. AZURE CASCADE EVENT

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering **Specialization in AI, AIML and DS** conducted “Azure Cascade” on 9th July 2024 as a SIST ACM SIGAI Student Chapter event. Mr. Harun Raseed Basheer, Microsoft MVP, Specialist, Hitachi Solutions India Pvt Ltd addressed the event. He explained the basic concepts of cloud computing to all the students and gave a brief introduction about the Microsoft Student Ambassador program. This was followed by an empowering speech by Ms. Deekshitha, the treasurer of the student chapter. The event has been really useful to all the students who attended. The event was a highly valuable event, offering students the chance to enhance their understanding of cloud computing, learn from an industry expert, and explore opportunities for professional growth. The event’s combination of technical insights, networking opportunities, and inspiration made it a major success and a catalyst for further student engagement in the evolving world of cloud technologies



## 8. Ignite your passion for programming with python

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **specialization in Artificial Intelligence and Machine Learning** organized an outreach program on “**Ignite your passion for programming with python**” for 12th Standard students at Government Higher Secondary School, Perungudi, Chennai on 10.08.2024. The training is given to those students like a hands-on session which is carried by Ms. N. Senthamilarasi who coordinated with the student volunteers of final year AI and ML students with a huge number of participants in their School Computer Lab. This session was very useful to the 12th standard students to understand the basic programming knowledge on Python. The participants interacted well and learnt about the fundamentals of Python programming in this session. The students had hands-on-training on python programming and were able to solve problems with their analytical skills.





## 9. Code Craft Mastering Flask

Sathyabama Institute of Science and Technology, Department of CSE with **specialization in Artificial Intelligence** conducted “CodeCraft: Mastering Flask” held from July 22-24, 2024 as SIST ACM SIGAI Student Chapter event. Ms. Ranusha Ramesh, a 2nd Year CSE AI student, addressed the event. Day one featured a quiz round to shortlist participants. Over the next two days, students learned front-end development using Flask and showcased their own websites by the event's end. The students are capable of creating Flask based web applications and they know the basics of how websites work and the idea and plans behind creating websites.



## 10.Seminar on Abroad Education

An insightful seminar on Abroad Education was conducted by the Department of CSE with **specialization in Artificial Intelligence and Machine Learning (AIML)** at Sathyabama Institute of Science and Technology. The event aimed to enhance awareness among students about opportunities in international education. Valuable insights were shared by Ms. Nanthini Saravanan, Head of Abroad Education, IMIMS, Chennai. The seminar was held on July 22, 2024, from 10.00 AM to 11.30 AM at Tmt. Soundarabai Auditorium, Sathyabama Institute of Science and Technology, Chennai which is organized by the faculty coordinators Ms. Senthamilarasi. N, Asst. Prof/CSE and Ms. SubaPriya. V, Asst. Prof/CSE. This session was very useful to the students who wish to go abroad for higher studies. The participants were interactively questioning the speaker to gain knowledge and gave good feedback about this session. The Expected Outcome of our Seminar on Abroad Education programme to help the students regarding the higher education in Abroad to different countries.



## 11.Unlocking the mysteries of Siddha medicine with AIML

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering with **Specialization in Artificial Intelligence and Machine Learning** visited National Institute of Siddha, Tambaram Sanatorium “Unlocking the mysteries of Siddha medicine with AIML” held on 24.07.2024. Institute is poised to reclaim the glory of Siddha system so that the system can play a major role globally in the field of health care. Students gained knowledge on medical sciences in coordination with machine learning for doing collaborative research activities. This Industrial visit provided insights and awareness of common drugs used in Siddha system of medicine, understand the manufacturing and storage processes of these medicines, and gain knowledge about various treatment modalities and practices within Siddha system of medicine.



## 12. Beyond Boundaries: The Marvel of Next-Gen Network Technologies

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering with **Specialization in Data Science** organized the session on "Beyond Boundaries: The Marvel of Next-Gen Network Technologies". 60 students from 2023-2027 batch Data Science A2 participated in the industrial visit to Network Geek, Vadapalani, Chennai on 25 July 2024 from 10.30 am to 1.30 pm and got trained in the basics of networking, cloud computing, virtualization, and IT certifications in the session. Students got an in-depth understanding of next generation networks and connectivity in cyberspace. It was very insightful and helped students to indulge in improving the skillset and adopting industry standards.



### 13. Machine Learning using Python

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization in AI, AIML, and Data Science** organized a workshop on "*Machine Learning Using Python*" from 29 July to 2 August 2024. The workshop was an enriching experience that provided participants with a valuable opportunity to practice machine learning concepts. The sessions began with the basics of Python programming, including its data structures and core functionalities. This foundation was then extended to include data processing techniques and the use of essential Python modules. Participants progressed to learning machine learning algorithms, such as decision trees and linear regression, through hands-on exercises. The resource person ensured an interactive learning environment, addressing all doubts and guiding students effectively throughout the five-day session. As an outcome of the workshop, five students were selected for a one-month free internship, providing them with further practical exposure and an opportunity to apply the skills they learned.



## 14. Quantum Computing

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering in **Specialization with Artificial Intelligence** organized Quantum Computing on 1<sup>st</sup> August 2024 at Advanced Studies. The event was designed to demystify the complex world of quantum mechanics and introduced the groundbreaking potential of quantum computers. The event promised to be an engaging and informative experience. There were 48 participants from various department attended the event. This was completely a beginner session and all the participants are rooted to the core of quantum computing. Students participated in a quiz session to test the knowledge about the fundamentals of quantum computing.



## 15.Code explorers: Conquer the programming peaks

Code Explorers - Conquer the Programming Peaks was an exhilarating event conducted by Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **specialization in Artificial Intelligence and Machine Learning** on 27/07/2024. This event brought together programming enthusiasts to tackle innovative challenges and enhance their coding skills. Participants engaged in hands-on activities, solving real-world problems through advanced algorithms, debugging techniques, and cutting-edge technologies. The teams showcased their creativity and technical prowess in a race against time. By blending learning, collaboration, and competition, the event empowered participants to scale new heights in their programming journeys.



## 16.ARVR Training

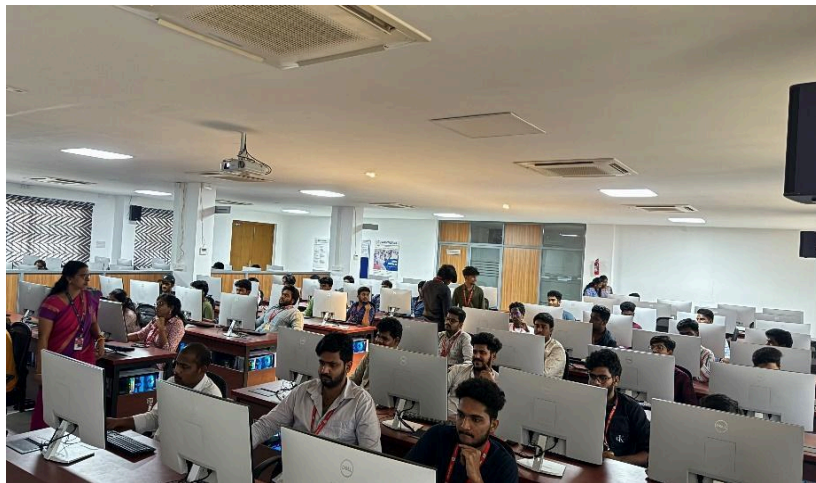
Sathyabama Institute of Science and Technology, Department of Computer science and Engineering with **Specialization in Data Science** organized an event on "ARVR Training: Peer to peer learning for NPTEL and IITM" from 13 and 24 July 2024 from 09:30 am to 3:00 pm. This initiative was part of the peer-to-peer learning process. **Mr. Selvakumar Paneer**, a **Principal Engineer at Intel Research Labs, USA**, reviewed student-developed Metaverse projects, offering expert insights. The training included hands-on sessions, interactive discussions, and project-based learning, enabling students to gain in-depth knowledge of VR technologies and industry-standard tools. The initiative successfully enhanced technical skills and encouraged innovation among participants.





## 17. GitHub Essentials: Version Control for Beginners

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization in Artificial Intelligence**, "GitHub Essentials: Version Control for Beginners" organized by the Artificial Intelligence students under the specialization of AI, AIML, and DS conducted on 8<sup>th</sup> August 2024. The event provided a foundational understanding of GitHub and its version control features. Participants explored key concepts, including repositories, commits, branches, and pull requests, along with collaboration tools like issues and project management features. The session emphasized best practices for writing commit messages, branch naming conventions, and conducting code reviews to maintain code quality. This hands-on learning experience was aimed at equipping students with essential skills for effective collaboration in software development.



## 18.DIGITAL ART COMPETITION

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering **Specialization in AI, AIML and DS**, conducted a “Digital Art Competition” on 1st August 2024 under the SIST ACM SIGAI Student Chapter. This artistic event was organized exclusively for the students of the CSE department and provided a platform for participants to showcase their talent in digital technology through their creative artistic skills. The theme of the competition was freestyle comics, which sparked excitement and enthusiasm among the participants. The competition witnessed exceptional works of art, with Godwin Deepak capturing the hearts of the audience with his outstanding piece. This event highlighted the blend of creativity and technology, encouraging students to explore the artistic side of computer science. The event was highly appreciated by students and faculty alike, marking it as a successful and inspiring initiative to foster innovation and creativity within the department.



## 19.COMPUTER VISION MINI UNITY GAME MISSION

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization in Artificial Intelligence**, organized the “Computer Vision Mini Unity Game Mission” event on 12th August 2024. This event was designed for AI students to enhance their skills in computer vision and explore the immersive world of AR/VR. Mr. Ruthvik Naik, a final-year student, led the session and demonstrated the design and creation of AR/VR projects using computer vision techniques. Participants gained practical knowledge on object detection and tracking, learning how to allocate coordinate points and implement projects using computer vision algorithms. The hands-on approach provided students with a deeper understanding of how these technologies work in real-world scenarios. The event was highly beneficial, offering valuable insights into the applications of computer vision in AR/VR, inspiring students to develop innovative projects. This initiative highlighted the department’s commitment to fostering technical expertise and creativity among its students.



## 20. Yoga and wellness- A soulful stretch relief

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization in Data Science** organized “Yoga Therapy for Stress and Pain Relief” on 10th August 2024, catering to faculty members experiencing stress, pain, or mental and physical challenges. The session, conducted by Mr. Prabhuram, was a transformative experience focusing on holistic wellness. The therapy emphasized addressing physical symptoms and lifestyle imbalances through a combination of traditional and modern yoga practices. Mr. Prabhuram began the session with a calming meditation to set intentions, followed by a series of asanas designed to enhance flexibility and strength. His clear and supportive instructions guided participants through each pose, with a strong focus on breath control and alignment. The session concluded with a relaxing savasana and a brief mindfulness practice, leaving participants feeling rejuvenated and refreshed. The event demonstrated Mr. Prabhuram's expertise and dedication to promoting holistic health, making it an enriching experience for all attendees. It successfully highlighted the importance of integrating wellness practices into daily life, fostering a balanced and healthy lifestyle for the participants.



## 21.AI in Payments

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization in AI,AI ML & DS**, organized Faculty Development Programme (FDP) on "AI in Payments" on 17th August 2024. The event featured Mr. Sadheesh Radhakrishnan, Vice President at Planet Payment, London, UK, who provided an insightful session on the real-world applications of AI in the payments sector. Participants actively engaged in discussions about the emerging trends in AI that educators and professionals should be aware of. Mr. Radhakrishnan shared valuable case studies and practical insights, emphasizing the importance of staying current with technological advancements in the fast-evolving field of payments. The event was highly beneficial, offering educators the opportunity to enhance their knowledge and explore how AI is transforming the payments industry. The event's combination of expert insights, interactive discussions, and future trends made it a significant success, fostering greater understanding and inspiring professional growth among the attendees.



## 22.MATHEMATICAL INDUCTION BEHIND ML ALGORITHMS

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering **Specialization in AI, AIML and DS**, organized a Faculty Development Programme titled "Mathematical Induction Behind ML Algorithms" on 31st August 2024. The session was delivered by Dr. Siva Priya, Assistant Professor at VIT, Chennai, who provided an enlightening discourse on the foundational principles of mathematical induction as applied to machine learning algorithms. Dr. Siva Priya illustrated how these mathematical concepts underpin the development and optimization of algorithms, offering attendees a deeper understanding of the theoretical aspects of machine learning. The interactive discussion encouraged active engagement, inspiring participants to explore the implications of mathematical induction in their teaching and research practices. The event was highly valuable, enriching attendees' knowledge and enhancing their academic and professional skills.



## 23.EXPLORING THE WORLD OF AI

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization in Artificial Intelligence**, conducted Faculty Development Programme entitled "Exploring the World of AI" on 30th August 2024. The session was led by Mr. Pranav, an AI Engineer at Dhvani AI, Chennai. Mr. Pranav provided an insightful overview of artificial intelligence, covering its fundamental concepts, applications, and future potential. He discussed various AI technologies and their impact across industries, engaging participants with real-world examples and case studies. The session fostered vibrant discussions and encouraged curiosity about integrating AI into academic frameworks. The event was highly valuable, providing participants with an in-depth understanding of AI and its implications. This event served as an important catalyst for further engagement in the evolving world of artificial intelligence.



## 24. National Space Day: Theme “Touching lives while touching the Moon: India’s Space Saga”

Sathyabama Research Park, Centre for Remote Sensing and Geoinformatics in association with Indian Society of Remote Sensing – Chennai Chapter & Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization in Data Science** Organized NATIONAL SPACE DAY 2024 on 22 August 2024 under the theme “Touching lives while touching the Moon: India’s Space Saga”. The Space Day event featured a variety of events, including Ideathon, Painting, quiz competition and workshop. 200 students from government schools and private schools participated in the events across several venues in Sathyabama Research Park and Sathyabama Centre for Advanced Studies. Class of 8-12th standard students presented their ideas in various topics such as Space ports, Agriculture, Tourism and Planetary Defense, Space Science, Future Space Colonies, Spacecraft of Tomorrow, and Satellite Systems. Padma Shri Dr. Mylswamy Annadurai, former ISRO scientist presided over the guest talk on “Space Science and Exploration for Future India”. Dr. Annadurai speech was very inspiring to the younger generation and he emphasized the students to take an interest in science and technology.





## **25.Unity Outreach Programme**

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization in Data Science**, conducted a School Outreach Awareness Programme on "Drug Awareness" at Government School, Sithalapakkam on 21st August 2024 from 11:00 a.m. to 2:00 p.m. The event was designed to enrich students' knowledge with essential guidance on career planning and raise awareness about the dangers of drug use. 60 school students benefited in the outreach program. The interactive sessions helped students identify their interests and explore potential career paths while emphasizing the importance of making informed, healthy choices. The event was highly beneficial, providing the students with crucial information to aid their future decisions and personal well-being. This event highlighted the importance of awareness and education in shaping the future of students and served as an inspiring platform for students to engage with the world beyond academics.



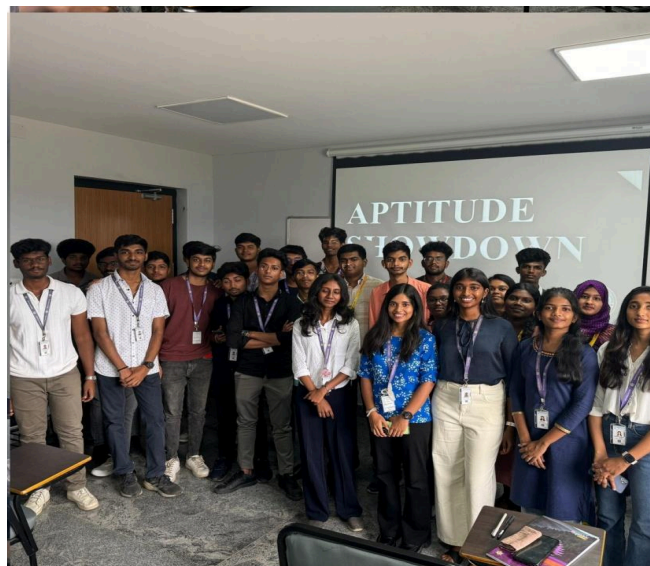
## 26. Programmers VS AI

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering **Specialization in AI, AIML and DS** conducted the “Programmers vs AI” event, a great success, on 23.8.2024. The event brought together students and faculty to explore the intersection of human creativity and artificial intelligence. The keynote speaker, Author Manju K Manohar, delivered an inspiring talk on personal development and leadership in the tech world. The event also featured a series of interactive activities that challenged participants' understanding of AI, fostering an engaging and thought-provoking environment. The event was both engaging and enlightening. We look forward to more such innovative events in the future, encouraging further exploration into the ever-evolving world of AI and technology.



## 27.Aptitude Showdown

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization in AI, AIML & DS** along with Sathyabama IEI Student Chapter, The Institution of Engineers (India) Kancheepuram Local Centre organized a non-technical quiz on Aptitude to B.E CSE students with specialization in AI, AIML & DS on 28th August 2024. The Aptitude Shutdown event featured a level-based quiz designed to build students' confidence as they progressed through each stage. Many enthusiastic students actively participated, showcasing their eagerness to learn and enhance their aptitude skills. Through the interactive quiz sessions, participants gained valuable insights and significantly improved their aptitude capabilities. In addition to skill development, the event provided opportunities for students to network with their peers and faculty members, fostering a sense of community and collaboration. Overall, the event was a resounding success, leaving participants enriched both academically and socially.



## 28.ANDROID AND IOT APP DEVELOPMENT

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization in Data Science** organized a one-day industrial visit for the third-year B.E CSE with specialization in Data Science to NSIC TECHNICAL SERVICES CENTRE, CHENNAI (A GOVT. OF INDIA ENTERPRISE) on 29/08/24. The visit offered students an excellent opportunity to delve into Android application development and image processing, areas they are highly passionate about. This industrial visit bridged the gap between theoretical concepts and practical application, providing a well-rounded learning experience. It proved to be an informative and enriching session for all participants.



## 29.Tech Trek

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering with Specialization in Data Science organized an outreach program “Tech Trek” at Government Higher Secondary School, Paduvancherry, Chennai on 04/09/24. The program successfully introduced school students to cutting-edge technologies such as AI, AIML, Data Science, IoT and Blockchain. Through a series of engaging presentations and interactive demonstrations, students gained a foundational understanding of these fields and their real-world applications. The program received positive feedback, with participants expressing increased interest and curiosity to get into such emerging areas.



### 30.Hack The C

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization in Artificial Intelligence** conducted an Event “Hack the C” on 13th September 2024, at AI Super Computing Lab. "Hack the C" event witnessed an overwhelming response from 90 enthusiastic participants. C programming workshop, led by expert facilitators, equipped attendees with hands-on experience and in-depth knowledge. The event was followed by a thrilling C quiz, testing participants' coding prowess. The competition was fierce, but our top performers rose to the challenge. Key Highlights of the event include interactive participants, engaging workshop sessions, an intense C quiz competition.



### 31.Synergy to Freshers

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering **Specialization in AI, AIML and DS** conducted a highly successful event titled “SYNERGY TO FRESHERS” on 4th September 2024 under the SIST ACM SIGAI Student Chapter at the Dental Auditorium. The event was designed with the aim of unlocking the career potentials of first-year students and guiding them toward the numerous opportunities available to them as they embark on their academic journey. The event featured a series of engaging sessions, discussions, and presentations focused on career planning, personal development, and the importance of discovering one’s interests early on. By fostering a sense of awareness about the various career paths in the tech and engineering fields, it aimed to empower students to make informed decisions about their future. With interactive activities and Q&A sessions, the event also created a platform for students to interact with experts, ask questions, and clarify their doubts. “Synergy to Freshers” was a significant step toward helping students not only plan their career trajectories but also instill a proactive mindset for future challenges. The event has been a valuable experience, laying the groundwork for students to confidently navigate their academic and professional journeys ahead.



## 32.ANDROID AND IOT APP DEVELOPMENT

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization with Data Science** organized a one-day industrial visit for the third-year B.E Computer science and Engineering with specialization in Data Science to NSIC TECHNICAL SERVICES CENTRE, CHENNAI (A GOVT. OF INDIA ENTERPRISE) on 04/09/24. The event provides an opportunity to explore Android application development and Image processing in which the students are passionate about it. Industrial visit helps to mix theoretical knowledge with practical knowledge in a good way. This has been a very informative session for all the students.





### 33.Tech Gala

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering **Specialization with AIML** organized a symposium from September 9, 2024 to September 13, 2024. The Tech Gala symposium was a vibrant three-day event, blending technical and non-technical competitions to engage participants. Technical events included challenges like Battle of Bugs and Code Fixer, offering hands-on problem-solving experiences. Meanwhile, non-technical events like Channel Surfing, AdZap, and eSports fostered creativity and teamwork. This successful symposium provided a platform for learning, innovation, and entertainment, bringing together tech enthusiasts and creative minds to celebrate knowledge and skills in a lively, collaborative atmosphere. Tech Gala was a dynamic three-day symposium featuring technical events like Code Fixer and non-technical fun with AdZap, Channel Surfing, and eSports, uniting talent and innovation.



### 34. Tech n Play arena

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization in AI, AIML & DS** organized Tech N Play Arena on 5-6<sup>th</sup> September 2024. The events offered a range of valuable outcomes through interactive sessions where all students participated. Rapid Typers improved typing speed and accuracy, while Shark Tank allowed students to present and demonstrate their innovative product ideas to investors, receiving feedback on potential investment and share amounts. Mind Maze enhanced problem-solving and logical reasoning skills, Mind Masters broadened knowledge and quickened quizzing efficiency, and Melodies Master refined auditory recognition and musical appreciation. Together, these activities promoted personal and intellectual growth through engaging and practical experiences.



### 35.OPEN CV FROM CODE TO VISION

Sathyabama Institute of Science and Technology Department of Computer Science and Engineering with **Specialization in AI, AIML & DS** in association with Sathyabama IEI Student Chapter, The Institution of Engineers (India), Kancheepuram Local Centre has organized a technical seminar on OpenCV library in Python to I year and II-year specialization students on 6<sup>th</sup> September 2024. This event conducted an interactive seminar session, enlightening students about one of the most used libraries in python called OpenCV which would be helpful and useful to students in their path in learning about AI. Many enthusiastic students actively participated, benefiting immensely from the OpenCV seminar session.



### 36.The Rise of AI

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **specialization in Artificial Intelligence** organized the event “The Rise of AI” on 11/09/2024. This interactive event provided hands-on experience with the latest AI tools designed to improve productivity across various fields. Participants will learn how to leverage AI for data analysis, automation, content creation, and decision-making. Through real-world examples and guided exercises, attendees will explore popular tools and frameworks, gaining skills to integrate AI into their daily workflows. By the end of the session, participants had a deeper understanding of AI applications and practical knowledge to implement these tools effectively.



### **37.CODE QUEST – UNLOCKING THE BASICS**

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering with **Specialization in AI, AIML and DS** organized a workshop “CODE QUEST – UNLOCKING THE BASICS” on 12<sup>th</sup> and 13<sup>th</sup> September, 2024. The workshop was attended by the students of the School of Computing. The resource persons, Ms. Trinisha A and Mr. Samuel Kiruba of CSE with Specialization in AI had taught the first year students the basics of C programming and exposed the attending members to the practical aspects of C programming. The students who had attended the event had obtained a good comprehension of the basics of C programming and will be able to utilize this knowledge in order to proceed with further learning and project creation. We thank our management for helping us organize the event in a successful manner.



### 38. Futuristic gaming experience 2024

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization in Data Science** organized “Futuristic gaming experience 2024” in association with HP India Pvt Ltd on 12-13 September 2024. Students had a unique opportunity to immerse themselves in cutting-edge technology through interactive games designed to boost their productivity and expand their knowledge. This event not only provides students with hands-on experience of futuristic technology but also offers them the opportunity to represent their college on a national platform, showcasing their skills in both gaming and technological innovation.



### 39. MoU Signing Ceremony in Collaboration with Asianxt

Sathyabama Institute of Science and Technology, Department of CSE with **Specialization in AI, AIML and DS** organized an “MoU Signing Ceremony in Collaboration with Asianxt”, ceremony held on September 12th, 2024. The resource person Mr. Varunsaagar Saravanan, Lead AI ML, Strategy Team. The Asianxt provided the offer letter of 6 months Internship for 3 students in the department of CSE AIML, AI and DS.



## 40. MATLAB & Simulink Hands-On Practice

Sathyabama Institute of Science and Technology with **Specialization in Artificial Intelligence** conducted The MATLAB & Simulink Hands-On Practice event on September 12, 2024, at AI Supercomputing Lab. The event featured insightful sessions conducted by Mr. Souvick Chatterjee, Senior Team Lead - Principal Customer Success Engineer, and Ms. Tharrini Raj, Customer Success Engineer. Topics covered included AI applications, Machine Learning, Deep Learning, and real-world use cases for MATLAB. The interactive hands-on sessions provided attendees with practical knowledge and skills, ensuring an engaging and enriching experience for all participants.





## 41.INSIGHTX'24

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering, **Specialization in Data Science** organized INSIGHTX'24, a dynamic event held on the 19th of September 2024. The event was specially curated for the students of the School of Computing. Featuring seven diverse technical and non-technical events, the event gathered more than 1500 participants. It was thrilling to witness 300 finalists showcasing their skills, with 70 winners emerging from the vibrant and competitive environment. The technical events conducted were Data Pix and Debug Dominion. The non-technical events conducted were Guess it, Enchanting Quest, Stack N Conquer and e-Sportz games. The event also witnessed a “Workshop on Big Data Revolution”, presented by Mr. Arun C, Big Data Engineer at Standard Chartered Bank GBS, Chennai.



## 42.Trivia Titans

Sathyabama Institute of Science and Technology, Sathyabama IEI Student Chapter, The Institution of Engineers (India) Kancheepuram Local Centre in association with Department of Computer science and Engineering, **Specialization in AI, AIML and DS** organized a technical quiz game called Jeopardy on basic programming for specialization students on 19<sup>th</sup> September 2024. This event was an interactive quiz game session in which students compete as teams with one another and win the challenge by gaining points as they also gain knowledge on basic programming. Many enthusiastic students actively participated, benefiting immensely from the Trivia Titans event.



### 43.Special Grama Shabha at Venkatapuram Village Visit

Unnat Bharat Abhiyan program (UBA) launched by the Union Ministry of Education aimed at involving faculty and students from higher education institutions to leverage the skills of these institutes to enhance the effectiveness of government programs coordinated by IIT Delhi. Sathyabama Institute of Science and Technology as one of the participating institutes in the network has taken initiative to encourage students and faculty to work directly with rural communities, understand local problems, and propose and implement solutions using technological innovations and best practices. As part of the Unnat Bharat Abhiyan initiative, Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering with **Specialization in Data Science** engaged faculty and students to work with rural communities, understanding and solving local problems through innovation. On 02 October 2024, Dr. B.S. Kiruthika Devi, AP/CSE, Ms. V. Subasri, II-year Data Science A2, and S.P. Harsha, II-year Data Science A2 from the Department of Computer Science, specializing in Data Science, participated in a Special Grama Shabha at Venkatapuram. This program offers a collaborative platform to address rural challenges while providing practical learning experiences for students.



#### 44.BYTES AND BEATZ

Sathyabama Institute of Science and Technology with **Specialization in Artificial Intelligence** conducted a registered event, BYTES AND BEATZ, on August 22nd and 23rd, 2024. We had a fantastic turnout for activities like Manga Matrix, Technical Trivia, and Mini Jam. The event highlighted our students' creativity and technical skills, and winners were provided with hardcopy certificates. The event successfully highlighted the diverse talents of students in both artistic and technical domains, fostering an atmosphere of learning, collaboration, and enthusiasm. Its success not only showcased the students' skills but also enhanced the institute's reputation for hosting enriching and inclusive extracurricular programs.



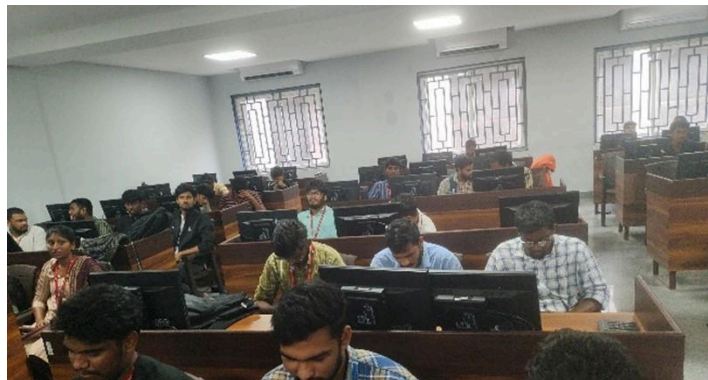
#### **45. Outreach Program on Oral Health Promotion**

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering with **Specialization in AIML, AI & DS** in collaboration with Department of Public Health Dentistry, Sathyabama Dental College and Hospital organized an outreach program “Oral Health Promotion” at Government Higher Secondary School, Perungudi, Chennai on 04/12/2024 & 05/12/2024. The event aimed to raise awareness about oral hygiene among students. On 04/12/2024, the session was led by Dr. Arivu Prabha. T and Dr. Afrah J, interns from Sathyabama Dental College. As part of the program, drawing and speech competitions were held for 6th and 8th-grade students. A total of 158 students were screened and educated about maintaining proper oral hygiene. On 05/12/2024, the session, conducted by Dr. Gousalya, Senior Lecturer in the Department of Public Health Dentistry, educated students from grades 7 to 12 about the importance of maintaining proper oral health. A total of 562 students were screened during the event. So, totally 720 students were benefited on these days.



## 46.KGEN: Revolutionizing the Way We Test Apps

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering, **Specialization in Data Science** organized "KGEN: Revolutionizing the Way We Test Apps", organized an application testing event on the 6th December 2024. The KGEN Testing App for Game Development Event was an inspiring initiative that brought together game developers and enthusiasts to test, refine, and optimize their creations using advanced tools. The event provided a dynamic platform for participants to explore innovative testing methodologies, collaborate with peers, and receive valuable feedback to enhance gameplay experience and performance. The attendees had the opportunity to foster creativity and technical growth, ensuring every game tested reached its full potential.



## 47. How to write a research paper for Conference

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering **specialization with Data Science**, organized a Workshop on “How to write a research paper for Conference”. The event was conducted on 7/12/24 for the final-year students of B.E CSE with Data Science to equip them with the essential skills needed to write a research paper for conferences. The event aimed to clarify the process of academic writing and provide practical guidance on how to produce high-quality research papers. The speaker is Dr. M.Sindhuja, Assistant Professor, Department of Computing Technologies, School of Computing, SRM Institute of Science and Technology, Kattankulathur, Chennai. We thank our management for helping us organize the event in a successful manner.



## 48.Campus Connect

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering **specialization with AI, AIML & DS** organized a “Campus Connect” portal and Instagram launch program, on 08 August 2024. The launch event for the new Project Portal and Instagram page was a huge success, marking a significant milestone in our digital presence. The Project Portal is designed to streamline project management, providing a centralized platform for collaboration, tracking progress, and sharing updates. Alongside this, the Instagram page was launched to connect with a wider audience, featuring engaging content, project highlights, and behind-the-scenes moments. Both platforms aim to enhance communication, foster community engagement, and showcase our work in a more interactive and accessible way. The event was well-received, with excitement for the new features and opportunities they bring.





## 49. THE ROBOTICS SOCIETY-SATHYABAMA

Sathyabama Institute of Science and Technology, Department of Computer Science and Engineering **Specialization in AI, AIML and DS** launched THE Robotics Society-Sathyabama on 15<sup>th</sup> November 2024, led by Dr. Thiyagarajan Ranganathan, Assistant Professor at IIT Tirupati. This student chapter fosters innovation and collaboration in robotics, serving as a platform for all departments. The launch event featured the unveiling of the society's website and logo. ID cards were distributed to members, marking an exciting milestone in advancing robotics development within Sathyabama University. The Robotics Society-Sathyabama fosters interdisciplinary collaboration, enhances innovation in robotics, and provides students with opportunities to develop practical skills through projects, workshops, and industry partnerships.



## 50.Coastal Cleanup Drive

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering, **Specialization in AI, AIML and DS** organized "Coastal Cleanup Drive", organized an event on 21<sup>st</sup> September 2024. A Coastal Cleanup Drive is a community-driven initiative aimed at removing waste, debris, and pollution from coastal areas such as beaches, shorelines, and marine ecosystems. Volunteers, often from local communities, environmental organizations, and schools, participate by collecting trash, sorting recyclable materials, and raising awareness about the impact of pollution on marine life. These drives help protect marine biodiversity, improve the aesthetic beauty of coastal areas, and promote sustainable practices. Such events are crucial in addressing the growing problem of ocean pollution and fostering environmental responsibility.



## 51.IE(I) Artificial Intelligence Students Chapter

The Sathyabama IE(I) Student Chapter, in association with The Institution of Engineers (India) Kanchepuram Local Centre and Sathyabama Institute of Science and Technology, Department of CSE, **Specialization in AI, AIML & DS** organized the inauguration of the IE(I) Artificial Intelligence Students' Chapter on 23 October 2024, from 10:30 AM to 12:30 PM at the Tmt. Soundarabai Auditorium. The event was attended by esteemed dignitaries, including Ms. Maria Cathrine Johnson (Vice President), Dr. T. Sasikala (Dean), Dr. S. Karthikeyan (Honorary Secretary), Dr. G. Sundari (Director Administrator), and Dr. S. Vigneshwari (Head of Department). The Guest of Honour, Dr. Ramesh S, Chairman of IE(I) Kanchepuram Local Centre, delivered a keynote address emphasizing innovation, collaboration, and the future of engineering education. The Plenary Speaker, Mr. Praveen Joe, Associate Professor at VIT, shared his insights on knowledge engineering and career development, providing valuable perspectives for students. The inauguration marked the beginning of the chapter's mission to promote technical excellence and collaboration among students and professionals.



## 52. Mapping Minds, Shaping The World

Sathyabama Institute of Science and Technology, Department of Computer science and Engineering, **Specialization in AI, AIML and DS** organized "Mapping Minds, Shaping the World", organized an event on 21<sup>st</sup> November 2024. The event, held on World GIS Day, aimed to highlight the intersection of Geographic Information Systems (GIS) with Artificial Intelligence, Machine Learning, and Data Science. It featured engaging talks, interactive sessions, and practical workshops, exploring how GIS technologies are enhanced by AI and data analytics. Participants had the chance to connect with experts, exchange ideas, and learn how GIS, combined with advanced data science, is transforming industries such as urban planning, environmental management, and disaster response. The event emphasized the power of GIS in shaping smarter, data-driven solutions for a sustainable future.



### 53. Indo-Malaysia Winter Internship 2024

The Indo-Malaysia Winter Internship 2024, led by MIT Square London, offered a three-month international internship at University of Cyberjaya, Malaysia through the Student Abroad Programme (SAP) From October 2024 to December 2024 to 27 undergraduate students from Department of Computer Science and Engineering with **Specialization in in Artificial Intelligence, Artificial Intelligence & Machine Learning, and Data Science** from Sathyabama Institute of Science & Technology, Chennai India. Dr. Vigneshwari S, Professor & HoD, CSE-AI, AIML & DS, Dr. Sonia Jenifer Rayen, Associate Professor, Dr. Kiruthika Devi B S, Assistant Professor, Ms. Scinthia Clarinda, Assistant Professor from Sathyabama Institute of Science & Technology, Chennai India visited University of Cyberjaya, Malaysia for research collaboration and innovation. Ms. Kavitha Duraipandian and Ms. Shiela David, Assistant Professors at Sathyabama Institute of Science & Technology, Chennai, made substantial efforts towards the Indo-Malaysia Winter Internship Program. This program provided students with in-depth exposure to Malaysia's rapidly advancing technological environment, particularly in AI, AIML, and Data Science. This experience enriched their technical skills while also fostering an understanding of the cultural factors impacting the global healthcare industry.

