Sri
SAI RAM
ENGINEERING COLLEGE
West Tambaram, Chennai - 44

ARTIFICIAL INTELLIGENCE AND DATA SCIENCE NEWSLETTER

June 2024, Volume 3, Issue 6

EDITORIAL BOARD

- ABUROOBHA A (3RD YEAR)
- HARINI R (3RD YEAR)
- LOGADEEPAK K (3RD YEAR)
- NISHANTH J (3RD YEAR)
- KARTHIK (3RD YEAR)

FACULTY IN CHARGE: Mr. Muthamil Selvan S

DEPARTMENT HoD: Dr. Swagata Sarkar

Vision/Mission of College

Vision

To emerge as a "Centre for excellence" offering Technical Education and Research Opportunities of very high standards to students, develop the total personality of the individual, and in still high levels of discipline and strive to set global standards, making our students technologically superior and ethically strong, who in turn shall contribute to the advancement of society and human kind.

Mission

We dedicate and commit ourselves to achieve, sustain and foster unmatched excellence in Technical Education. To this end, we will pursue continuous development of infrastructure and enhance state-of-the art equipment to provide our students a technologically up-to date and intellectually inspiring environment of learning, research, creativity, innovation and professional activity and inculcate in them ethical and moral values.

Quality Policy

We at Sri Sairam Engineering College are committed to build a better nation through Quality Education with team spirit. Out students are enabled to excel in all values of Life and become Good Citizens. We continually improve the System, Infrastructure and Services to satisfy the Students, Parents, Industry and Society.

Vision/Mission of Department

Vision

     To emerge as a "Centre of Excellence in the field of Artificial Intelligence and Data Science", The Department is committed to inculcate discipline, offering best Technical Education and Research Opportunities and ethically strong to meet the global challenges, who in turn shall contribute to the advancement and welfare of the society.

Mission

- To produce students with a sound understanding of the fundamentals of the theory and practice of Artificial Intelligence, Machine learning and Data Science.
- To enable students to become leaders in the Industry and Academia Nationally as well as internationally.
- To meet the pressing demands of the nation in the areas of Artificial Intelligence and Data Science.

Epitome of Our Mission

The Department of Artificial Intelligence and Data Science emerged in the year 2020 in Sairam Institutions with the intake of exiguous students. It has now evolved quintessentially with an admirable admission of about 60 aspiring students in 2020, 120 in 2021, 180 in 2022 and gradually increasing each year, join in the hands with a dedicated team of erudite faculty.

Report on Sairam SDG Innovathon 3.0 Inauguration

The Sairam SDG Innovathon 3.0, an initiative by the Sairam Group of Institutions to foster mass entrepreneurship, was inaugurated on 19th July 2024 at the Sigma Auditorium. This ambitious event aimed to galvanize the engineering and technology community towards sustainable development goals (SDGs) through innovation and entrepreneurship.The event commenced with the soulful rendition of Tamil Thai Vazhthu, followed by the ceremonial lamp lighting. Distinguished guests and dignitaries were felicitated, setting a tone of respect and gratitude for their contributions.Featuring a Presidential Address by Dr. Sai Prakash Leomuthu. The Chief Guest was Dr. Arumugam Murukiah. Er. Sukhpreet Singh served as the Guest of Honour. Special Invitees included Sampathkumar Veeraraghavan and Dr. R. Palaniyandi. The event was convened by Dr. C.R. Rene Robin and was filled with the presence of these esteemed guests.

Dr. C.R. Rene Robin, Dean of Innovation at Sairam Institutions, delivered the welcome address. Dr. Robin's speech highlighted the importance of innovation in driving sustainable development and the crucial role educational institutions play in nurturing entrepreneurial spirit among students.Dr. R. Palaniyandi, Director of Quality Monitoring, followed with a special address, emphasizing the significance of quality in innovation and how rigorous standards can propel the success of entrepreneurial ventures. One of the event's highlights was the inspirational talk by Sampathkumar Veeraraghavan, the Global Chair of IEEE SIGHT and Senior Technical Program Management Leader. Sampathkumar captivated the audience with his vision for young engineers, urging them to leverage their

skills and knowledge to address global challenges and make meaningful contributions to society.Er. Sukhpreet Singh, CEO of the Tamil Nadu Smart and Advanced Manufacturing Centre (TANSAM), elaborated on the initiatives taken by TANSAM to support young engineers and entrepreneurs.
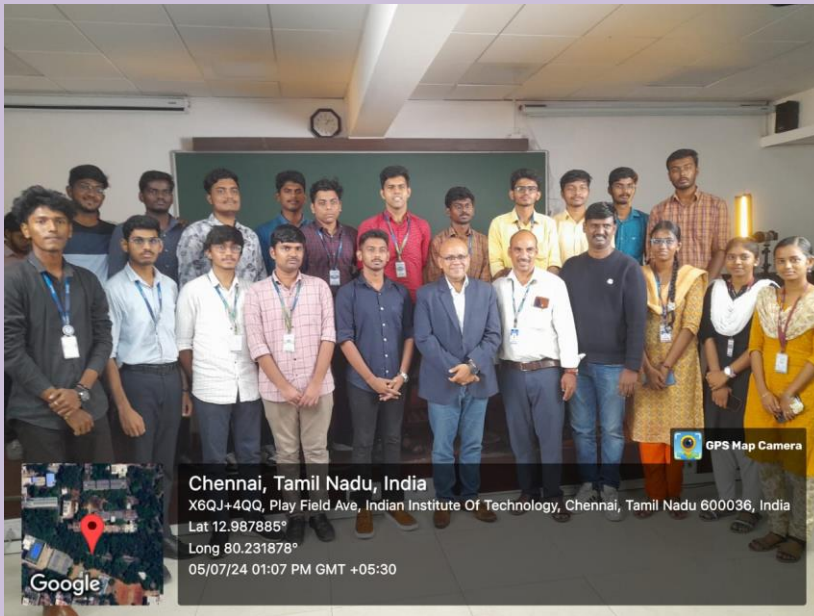
A key moment in the event was the signing of the Memorandum of Understanding (MoU) between Sairam Group of Institutions and TANSAM. This partnership signifies a commitment to collaborate on projects that drive smart and advanced manufacturing, thereby creating a robust ecosystem for innovation and entrepreneurship. Dr. Arumugam Murukiah, Managing Partner of TANSAM and MD & CEO of Broadline Innovations Pvt. Ltd., delivered an inspiring and experiential talk. Dr. Murukiah's address highlighted the potential of innovative technologies in transforming industries and improving lives. His real-world examples and experiences served as a powerful motivator for the young audience.The presidential address was delivered by Dr. Sai Prakash Leo Muthu, Chairman and CEO of Sairam Institutions. Dr. Sai Prakash emphasized the institution's commitment to fostering a culture of innovation and entrepreneurship.

The event also featured the release of a poster, followed by a group photo of the respective department heads of Sairam Engineering College (SEC) and Sairam Institute of Technology (SIT). This moment symbolized the unity and collaborative spirit among the departments in driving the institution's mission. Students' feedback was an integral part of the event, providing insights into their experiences and the impact of the Innovathon on their entrepreneurial aspirations. The SDG Pledge, taken collectively by the attendees, reinforced the commitment to sustainable development and responsible innovation.

Dr. P. Rayavel, Head of the Department of Computer Science and Engineering at Sri Sairam Institute of Technology, delivered the vote of thanks. Dr. Rayavel expressed gratitude to all the dignitaries, special invitees, and participants for their contributions to the success of the event. The event concluded with the National Anthem, instilling a sense of patriotism and collective purpose among the attendees. The Sairam SDG Innovathon 3.0 was a resounding success, leaving a lasting impact on all participants and setting the stage for future initiatives in innovation and entrepreneurship.

Hod met with Starbucks India and Guvi CEO

We are immensely grateful to our HOD, Dr. Swagata Sarkar, and Team Sairam Incubation for providing us with the incredible opportunity to interact with Starbucks India CTO, Mr. Vipin Gupta, and Mr. Arunprakash, Founder & CEO of GUVI, at IIT Madras, Chennai. This interaction was a truly inspiring and insightful experience that left a lasting impact on all of us.

Mr. Vipin Gupta's insights into the integration of technology in product management and problem-solving were particularly enlightening. He emphasized the pivotal role of AI in enhancing customer experience and streamlining operations. His perspective on leveraging data analytics to make informed decisions and drive innovation within an organization was truly eye-opening. The practical examples he shared from Starbucks' journey underscored the importance of staying ahead of technological trends to maintain a competitive edge.

Equally inspiring was the session with Mr. Arunprakash, who shared his entrepreneurial journey and the vision behind GUVI. His passion for democratizing education through technology resonated deeply with us. He highlighted the significance of accessible and affordable tech education in empowering the next generation of innovators. The discussion on the use

of AI in personalized learning and skill development provided us with a glimpse into the future of education. This opportunity to engage with industry leaders at the forefront of technological advancements has broadened our horizons and motivated us to explore new possibilities in our own academic and professional pursuits. We extend our heartfelt thanks to Dr. Swagata Sarkar and Team Sairam Incubation for making this enriching experience possible.

Congratulations for Initiating IEEE SIGHT Group at Sri Sairam Engineering College

We are delighted to announce the successful initiation of the IEEE SIGHT (Special Interest Group on Humanitarian Technology) Group at Sri Sairam Engineering College. This significant achievement marks a milestone in our institution's commitment to leveraging technology for humanitarian causes. The establishment of the IEEE SIGHT Group was made possible through the dedicated efforts of our esteemed project coordinators: Dr. Sathish Kumar G, Dr. R. Azhagumurugan, and Mr. Mohanraj Kalidass. Their visionary leadership and relentless dedication have been instrumental in bringing this initiative to fruition. Their commitment to fostering an environment where technology can be harnessed for the greater good is commendable.

We would like to extend a special mention to Tharushi SS, who serves as the Treasurer of the IEEE SIGHT Group. Tharushi is a third-year student in the AIDS (Artificial Intelligence and Data Science) department, and her involvement and contributions have been exceptional, demonstrating remarkable organizational skills and a passion for humanitarian technology. Tharushi's proactive engagement and enthusiasm have played a crucial role
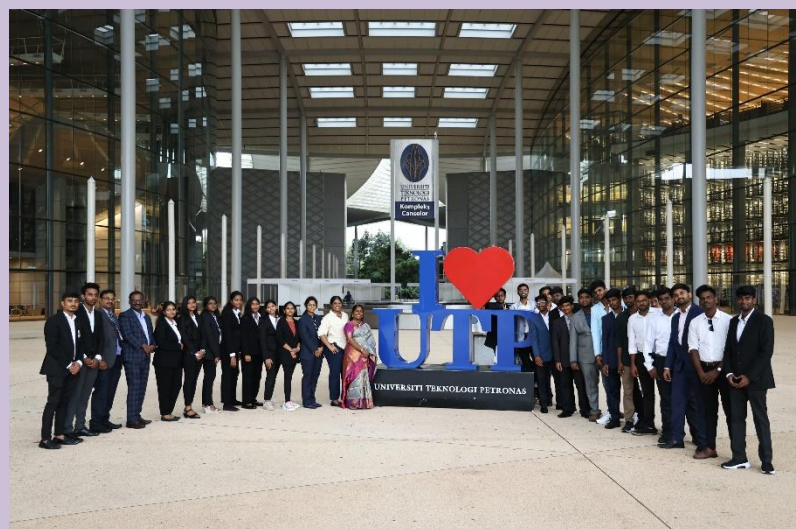
in the smooth establishment and operationalization of the group. Her efforts exemplify the spirit of service and innovation that we aim to instill in our students. We look forward to witnessing the groundbreaking projects and initiatives that the IEEE SIGHT Group will spearhead in the coming years. Together, we can harness the power of technology to create a better and more inclusive world.

Familiarization Program 2024 at Universiti Teknologi Petronas, Malaysia

From July 8 to July 13, 2024, students and faculty members from Sri Sairam Engineering College and Sri Sairam Institute of Technology participated in a highly enriching Familiarization Program at Universiti Teknologi Petronas (UTP) in Malaysia. This week-long program was designed to provide participants with a comprehensive understanding of UTP's academic environment, research facilities, and innovative educational methodologies. The delegation engaged in a variety of activities, including campus tours, interactive sessions with UTP faculty, and hands-on workshops in cutting-edge technology and engineering disciplines. This exposure not only broadened the participants' academic perspectives but also fostered international collaboration and cultural exchange.

The Familiarization Program 2024 was a significant step in strengthening the academic ties between Sri Sairam institutions and Universiti Teknologi Petronas. Faculty members had the opportunity to discuss potential collaborative research projects and academic partnerships, while students benefited from observing UTP's advanced research labs and learning about the latest advancements in their fields of study. The program culminated in a closing ceremony where participants shared their experiences and insights, emphasizing the value of such international educational exchanges in enhancing their academic and professional development. The positive feedback and the knowledge gained from this program are expected to inspire further collaborations and continuous improvement in the educational standards of both institutions.

Visit to IITM Research Park

The visit to IITM Research Park by the second-year students was a remarkable experience that provided an invaluable glimpse into the world of cutting-edge research and innovation. This industrial visit was designed to bridge the gap between academic learning and real-world applications, fostering a deeper understanding of how theoretical knowledge is translated into practical solutions.

The day commenced with a tour of the state-of-the-art facilities at the Research Park. Students had the opportunity to explore various labs and centers, witnessing firsthand the advanced technologies and research projects underway. This exposure not only highlighted the interdisciplinary nature of modern research but also inspired many to consider careers in research and development. A highlight of the visit was the series of guest lectures delivered by seasoned professionals. These experts, hailing from diverse fields such as biotechnology, engineering, and information

technology, shared their insights and experiences, offering a comprehensive overview of current industry trends and challenges. Their discussions on real-world applications of academic concepts underscored the importance of innovation and continuous learning.

The interaction sessions that followed allowed students to engage with these professionals, ask questions, and seek advice on their academic and career paths. This direct engagement provided a platform for networking and mentorship, invaluable for young minds at the cusp of their professional journeys.

Overall, the visit to IITM Research Park was a transformative experience. It not only enhanced the students' understanding of the research landscape but also ignited a passion for innovation and excellence, encouraging them to strive towards making meaningful contributions to society through their future endeavors.

Inauguration of Intel Unnati Lab at Sigma Auditorium

The Sigma Auditorium witnessed a momentous occasion with the inauguration of the Intel Unnati Lab, a state-of-the-art facility dedicated to fostering innovation and technological advancement. This lab, a collaborative initiative between Intel and our institution, aims to provide students and researchers with cutting-edge resources and support to drive groundbreaking projects.

The event was graced by esteemed guests, including senior executives from Intel, faculty members, and enthusiastic students. The ceremony began with a welcome address highlighting the significance of this collaboration in nurturing future tech leaders. Keynote speeches emphasized the lab's role in bridging the gap between academic knowledge and practical application, equipping students with skills essential for the evolving tech landscape.

Intel's representative, in their address, elaborated on the vision behind the Unnati Lab, underscoring Intel's commitment to empowering the next generation of innovators. They highlighted the lab's features, including advanced computing systems, AI tools, and IoT devices, designed to facilitate cutting-edge research and development. Following the speeches, the ribbon-cutting ceremony marked the official opening of the lab, symbolizing a new era of opportunities for our institution. Attendees were given a tour of the facility, showcasing various workstations and projects already underway.

The inauguration of the Intel Unnati Lab is a testament to our institution's dedication to academic excellence and industry collaboration. This facility is poised to become a hub of innovation, where students can transform ideas into impactful solutions, driving progress in technology and beyond. The event concluded with a vote of thanks, expressing gratitude to Intel and all contributors for making this visionary project a reality.

thank
you