



ARTIFICIAL INTELLIGENCE AND DATA SCIENCE NEWSLETTER

January 2025, Volume 4, Issue 1

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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.

Educational Organization Management System (EOMS) Policy

We at Sri Sai Ram Engineering College are committed to empower our students not only to excel academically but also imbibe essential values, enabling them to become exemplary global citizens. We build a better nation by fostering excellence and innovative practices in Engineering, Technology and Management Education. We are dedicated to consistently enhancing our systems, infrastructure and services to meet the needs and expectations of all our stakeholders for sustainable growth.

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.

Certificate of Appreciation Awarded to Dr. Swagata Sarkar for Contributions to Faculty Development Programme on Quantum Cryptography and Cyber Security

The Department of Computer Science and Engineering (Cyber Security) at Sri Sairam Engineering College proudly awarded a Certificate of Appreciation to Dr. Swagata Sarkar, Professor & Head of the Department of Artificial Intelligence and Data Science, for her invaluable contributions as the Chief Guest for the Five Days Faculty Development Programme (FDP) on "Quantum Cryptography and Cyber Security - A Symbiotic Evolution." This prestigious event was held from January 2, 2025, to January 7, 2025, with the aim of enriching faculty members with knowledge on advanced topics in quantum cryptography and cyber security.



Dr. Swagata Sarkar's participation as the Chief Guest significantly elevated the FDP by providing profound insights into the convergence of quantum computing and cyber security. Her expertise in artificial intelligence and its intersection with security technologies offered attendees a unique perspective on emerging threats and protective mechanisms in the digital world. Through her keynote address, she highlighted the crucial role of quantum cryptography in fortifying cyber security frameworks and the necessity of adapting to evolving cyber threats with innovative solutions.

The Faculty Development Programme featured a series of interactive sessions, hands-on workshops, and expert discussions, fostering an engaging learning environment for faculty members. Dr. Sarkar's guidance and thought leadership were instrumental in shaping discussions on key topics such as quantum encryption techniques, post-quantum cryptography, and ethical considerations in cyber security. Her contributions empowered faculty members with cutting-edge knowledge, enhancing their ability to educate and mentor students in this rapidly evolving domain.

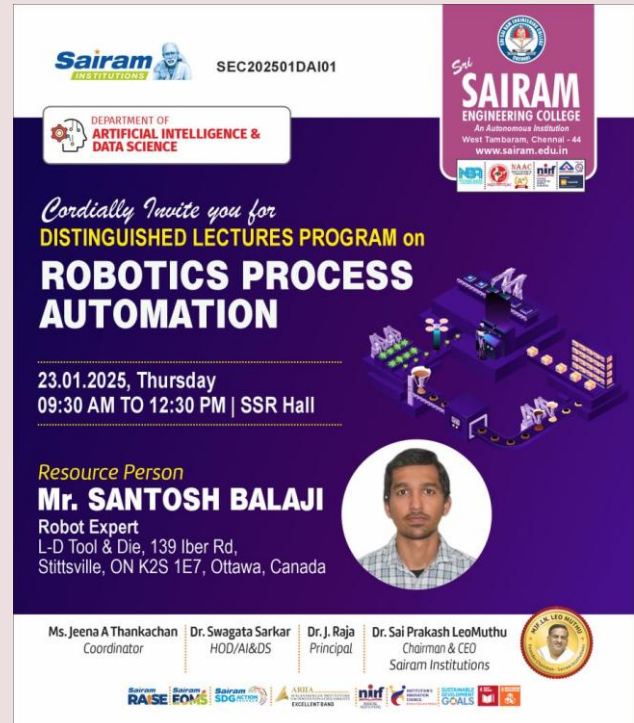
In recognition of her exemplary dedication and impactful contribution to the FDP, the Department of Computer Science and Engineering (Cyber Security) bestowed upon Dr. Swagata Sarkar a Certificate of Appreciation. This honor not only acknowledges her commitment to academic excellence but also underscores the importance of interdisciplinary collaboration in advancing cyber security education. The department extends its sincere gratitude to Dr. Sarkar for her invaluable support and looks forward to future engagements that will further enrich the academic community at Sri Sairam Engineering College.

Lecture Program on Robotics Process Automation Organized by our Department

The Department of Artificial Intelligence and Data Science at Sri Sairam Engineering College successfully organized a Distinguished Lecture Program on "Robotics Process Automation" on January 23, 2025. The event, held at SSR Hall, aimed to provide faculty members and students with valuable insights into the transformative role of automation in modern industries. The program featured an expert lecture by Mr. Santhosh Balaji, a renowned Robot Expert from L-D Tool & Die, Canada, whose vast experience in automation technologies significantly enriched the discussions.

Mr. Santhosh Balaji's lecture provided a comprehensive understanding of Robotics Process Automation (RPA), highlighting its significance in optimizing workflows, reducing human intervention, and increasing operational efficiency across various domains. He delved into key topics such as automation frameworks, intelligent bots, and their integration with artificial intelligence to enhance business processes. Attendees gained a deeper perspective on how RPA is revolutionizing industries by streamlining repetitive tasks, reducing errors, and improving productivity.

The session was highly interactive, with participants actively engaging in discussions and queries regarding real-world applications of RPA. Mr. Balaji presented case studies and practical demonstrations, showcasing how



The poster is for a distinguished lecture program on Robotics Process Automation. It features the Sairam Engineering College logo and the Department of Artificial Intelligence & Data Science. The event is scheduled for 23.01.2025, Thursday, from 09:30 AM to 12:30 PM at SSR Hall. The resource person is Mr. Santosh Balaji, a Robot Expert from L-D Tool & Die, Canada. The poster also lists the coordinator, Ms. Jeena A Thankachan, and other faculty members: Dr. Swagata Sarkar (HOD/AI&DS), Dr. J. Raja (Principal), and Dr. Sai Prakash LeoMuthu (Chairman & CEO, Sairam Institutions). The poster includes various accreditation logos such as RASE, FOMS, SDG, AMBA, and NIFT.

Sairam ENGINEERING COLLEGE
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DEPARTMENT OF
ARTIFICIAL INTELLIGENCE &
DATA SCIENCE

Cordially Invite you for
DISTINGUISHED LECTURES PROGRAM on
**ROBOTICS PROCESS
AUTOMATION**

23.01.2025, Thursday
09:30 AM TO 12:30 PM | SSR Hall

Resource Person
Mr. SANTOSH BALAJI
Robot Expert
L-D Tool & Die, 139 Iber Rd,
Stittsville, ON K2S 1E7, Ottawa, Canada

Ms. Jeena A Thankachan
Coordinator

Dr. Swagata Sarkar
HOD/AI&DS

Dr. J. Raja
Principal

Dr. Sai Prakash LeoMuthu
Chairman & CEO
Sairam Institutions

RASE FOMS SDG AMBA NIFT

businesses leverage automation tools to achieve superior performance and cost-effectiveness. The lecture emphasized the growing demand for professionals skilled in RPA and encouraged students to explore career opportunities in this rapidly evolving field. The resource person also shared valuable insights into industry trends and best practices for implementing automation technologies effectively.

The Distinguished Lecture Program received an overwhelmingly positive response from students, faculty, and research enthusiasts, reinforcing the department's commitment to fostering academic excellence and industry relevance. The Department of Artificial Intelligence and Data Science extends its sincere appreciation to Mr. Santhosh Balaji for his invaluable contribution and expertise. The event served as a platform for knowledge exchange, inspiring attendees to explore cutting-edge advancements in Robotics Process Automation. The department looks forward to organizing more such insightful sessions that bridge the gap between academia and industry, ensuring students and faculty remain at the forefront of technological advancements.

Sairam Institutions Signs MoU with iTech and Inaugurates C3 Cognitive Computing Centre

On January 23, 2025, Sairam Institutions marked a significant milestone by signing a Memorandum of Understanding (MoU) with iTech India Pvt. Ltd. and inaugurating the C3 Cognitive Computing Center. The event was graced by the esteemed presence of Mr. Biju Narayanan, Managing Director of iTech India Pvt. Ltd., who attended as the Chief Guest. This collaboration aims to enhance research, innovation, and skill development in the field of cognitive computing, empowering students and faculty with cutting-edge technological advancements.



The MoU signing between Sairam Institutions and iTech India Pvt. Ltd. establishes a strategic partnership focused on bridging the gap between academia and industry. The agreement facilitates knowledge exchange, hands-on training, and research initiatives in artificial intelligence, machine learning, and cognitive computing. With this partnership, students will gain access to industry-standard tools and methodologies, equipping them with the necessary skills to excel in the rapidly evolving technology sector. Faculty members will also benefit through specialized training programs, enabling them to stay updated with the latest advancements in AI-driven computing.

Following the MoU signing, the C3 Cognitive Computing Center was inaugurated, symbolizing a new era of technological exploration at Sairam Institutions. The center is designed to serve as a hub for innovation, fostering collaborative research projects, workshops, and practical training sessions. Equipped with state-of-the-art infrastructure, the facility will provide students with the opportunity to work on real-world projects, enhancing their problem-solving abilities and technical expertise. Mr. Biju Narayanan, in his address, emphasized the growing significance of cognitive computing in today's digital landscape and encouraged students to leverage this center for their academic and professional growth.

The event witnessed enthusiastic participation from faculty, students, and industry professionals, reaffirming Sairam Institutions' commitment to academic excellence and industry integration. The establishment of the C3 Cognitive Computing Center stands as a testament to the institution's dedication to nurturing technological leaders of the future. The collaboration with iTech India Pvt. Ltd. is expected to drive innovation, create new learning opportunities, and strengthen the institution's position as a pioneer in cognitive computing education. Sairam Institutions extends its heartfelt gratitude to iTech India Pvt. Ltd. and looks forward to a successful and impactful partnership that will benefit students, faculty, and the broader technology community.

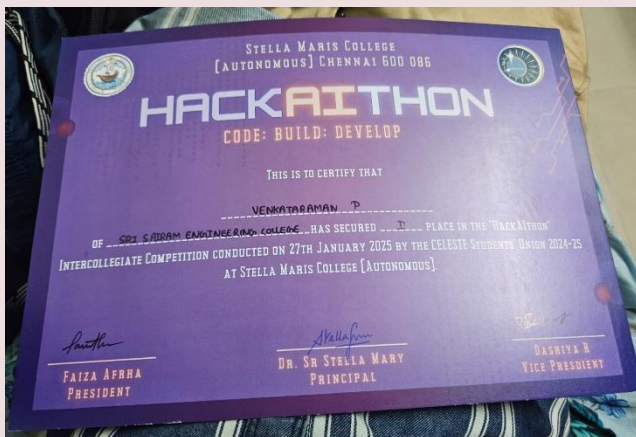
AI&DS Student Wins First Place in Stella Maris College Hackathon

On January 27, 2025, Stella Maris College hosted the prestigious intercollegiate competition "HACKATHON CODE: BUILD: DEVELOP," organized by the CELESITE Students Union 2024-25. The event brought together some of the brightest minds in the field of technology and coding from various



colleges, providing a competitive platform for students to showcase their problem-solving skills and innovative solutions. Among the participants, Venkataraman P from Sri Sairam Engineering College emerged as the winner, securing the coveted first place in the highly competitive hackathon.

The competition witnessed enthusiastic participation from students across multiple institutions, who collaborated in teams to tackle real-world



challenges through coding and software development. The hackathon was designed to test technical proficiency, creativity, and the ability to work under pressure. Venkataraman P demonstrated exceptional coding skills, logical thinking, and an innovative approach

to problem-solving, which set him apart from other competitors. His

outstanding performance in developing a functional and impactful solution within the given time frame earned him the top position in the contest.

The judges, comprising industry experts and academicians, were highly impressed by Venkataraman P's technical expertise and innovative mindset. His project showcased a seamless blend of efficiency, user experience, and practicality, aligning with industry standards and real-world applications. His ability to think critically and develop a comprehensive solution within the competition's constraints was widely appreciated by the panel. The event not only provided a platform for students to compete but also served as an opportunity for networking, collaboration, and exposure to industry trends.

The achievement of Venkataraman P at the "HACKAITHON CODE: BUILD: DEVELOP" competition stands as a testament to the high standards of education and training at Sri Sairam Engineering College. His success brings pride to the institution and serves as an inspiration for fellow students aspiring to excel in the field of technology and innovation. The college extends its heartfelt congratulations to Venkataraman P for his remarkable accomplishment and looks forward to more such achievements from its students in the future. This victory reinforces the importance of continuous learning, problem-solving, and the drive to push boundaries in the ever-evolving landscape of technology.

Sri Sairam Engineering College Makes a Powerful Impact at UmanageTN 2025 with Innovation and Entrepreneurship

The UmanageTN 2025 event at the Chennai Trade Centre witnessed an exceptional display of innovation and entrepreneurship from Sri Sairam Engineering College, with the SRI SAIRAM TECHNO INCUBATOR FOUNDATION leading the way in fostering groundbreaking



technological advancements. This prestigious event, aimed at bringing together industry leaders, entrepreneurs, academicians, and innovators, provided an outstanding platform for the institution to showcase its cutting-edge research, startup ideas, and student-driven projects. Among the key contributors was the Department of Artificial Intelligence and Data Science (AI&DS), whose students and faculty demonstrated their expertise in AI-powered solutions designed to address real-world challenges. The participation of Dr. Swagata Sarkar, Head of the AI&DS Department, further strengthened the college's presence, as she actively engaged with industry experts, investors, and innovators, highlighting the department's commitment to research and technological excellence.

The Sri Sairam Techno Incubator Foundation, which serves as a launchpad for student-led startups, played a crucial role in mentoring and

guiding young innovators, helping them refine their projects and connect with potential investors. Several industry professionals and entrepreneurs were highly impressed with the solutions presented by Sairam students, particularly in the areas of computer vision, AI-driven automation, predictive analytics, and IoT-based smart systems. One of the standout innovations showcased was an AI-powered real-time monitoring system designed to enhance workplace safety and operational efficiency, which received significant interest from industry representatives. Additionally, a deep learning-based predictive analytics model, with promising applications in healthcare, finance, and industrial automation, caught the attention of experts looking for innovative AI-driven solutions.

The event not only provided students with valuable exposure to the latest advancements in artificial intelligence and technology but also allowed them to engage in meaningful discussions with industry experts who offered insights into future trends and market demands. The hands-on experience and mentorship provided at the event will undoubtedly inspire students to take their innovations to the next level, with several discussions already initiated on potential collaborations, incubations, and funding opportunities.

With an overwhelmingly positive response from industry leaders and visitors, Sri Sairam Engineering College has once again reinforced its position as a center of excellence in AI and emerging technologies. The first day of UagineTN 2025 has set the stage for more impactful engagements in the coming days, with the institution looking forward to strengthening its industry partnerships, fostering new innovations, and continuing its journey toward creating a thriving ecosystem for research, development, and entrepreneurship.

Sairam AI&DS Students Promote SDG Goals at Bharat Scouts and Guides Diamond Jubilee Jamboree

The Bharat Scouts and Guides, India, is celebrating its 75th Year Diamond Jubilee Jamboree at Tiruchirappalli, Tamil Nadu, from January 28 to February 3, 2025, marking a historic gathering of over 18,000 young Scouts, Guides, and Adult Leaders from across India and abroad. Themed “Empowered Youth, Developed India,” this grand event aims to foster unity, solidarity, and global progress through meaningful collaborations and knowledge exchange.



proud
part of



Sairam
Institutions is
to be an integral
the Global
Development

Village at the BSG Diamond Jubilee & Muthamizh Arignar Kalaingar Centenary Special Jamboree in Trichy, contributing to the promotion of the United Nations’ Sustainable Development Goals (SDGs). The village was



inaugurated on January 28, 2025, by the Hon'ble Deputy Chief Minister of Tamil Nadu, Shri Udhayanidhi Stalin, in the presence of other esteemed dignitaries, including the Hon'ble Education Minister, Mr. Anbil Mahesh Poyyamozhi; Shri K.N. Nehru, Minister for Municipal Administration, Urban and Water

Supply of Tamil Nadu; and Shri Ma. Subramaniam, Health Minister of Tamil Nadu.

The Global Development Village features interactive pavilions dedicated to SDGs and Scouts initiatives, serving as a platform to promote sustainability, social responsibility, and innovation. The Sairam team, including students from the Department of Artificial Intelligence and Data Science (AI&DS), actively participated in initiatives focused on global progress and



environmental sustainability. Representing the third year were Ratnesh, Vishwanathan G, Vishnuvarthan M, Harini R, Tharushi S S, Selvakkumar, Logadeepak, and Alanka Sai Naimesha. Mohamed Suhail Y from the fourth year and





Karthikkavin T and Manoj Kumar from the second year also played a key role in advancing SDG awareness.

Demonstrating unwavering support, faculty members from the AI&DS department traveled from Chennai to Trichy for three consecutive days to encourage and

guide the students, ensuring their ideas reached a wider audience. The distinguished guests at the event commended the Sairam Team for their dedication to education, sustainability, and social impact. Their efforts reinforced the institution's commitment to fostering youth leadership, innovation, and positive change for a better future.



THANK YOU