Sri
SAI RAM
ENGINEERING COLLEGE

ARTIFICIAL INTELLIGENCE

AND DATA SCIENCE

NEWSLETTER

April 2025, Volume 4, Issue 4

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Vision and 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 humankind.

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.

<u>Vision and Mission of Department</u>

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.

<u>Epitome of Our Mission</u>

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.

LEO Club Installation Ceremony Marks Founders Day at Sri Sairam Engineering College

Sri Sairam Engineering College celebrated its Founders Day with the grand inauguration and installation ceremony of the **LEO Club**, under the sponsorship of the **Lions Club of Madras Golden City**. The event brought together students, faculty, and dignitaries in a spirit of service, leadership, and community engagement.

The event was graced by the presence of the Chairman and CEO of the institution, who delivered a heartfelt address highlighting the role of value-based education in shaping socially responsible leaders. Speaking of the gathering, he encouraged students to actively engage in service activities and emphasized the significance of leadership platforms like the LEO Club in holistic student development.

One of the key moments of the event was the speech by the newly appointed President of the LEO Club, a second-year student from the Artificial Intelligence and Data Science (AI\&DS) department.

Representing the voice of the student body, he expressed his gratitude for the opportunity and spoke about the club's commitment

to social service, innovation, and student involvement. **"This platform will help us explore leadership and give back to society meaningfully"** he said, echoing the ideals of the LEO movement.

The installation of the club's office bearers was carried out with ceremonial dignity, followed by motivating speeches from Lions Club dignitaries. The program also paid tribute to the founder of the institution, whose portrait adorned the stage, reminding attendees of the visionary behind the college's legacy.

As the ceremony concluded, the vibrant atmosphere and enthusiastic participation signaled a promising start for the newly launched LEO Club, which aims to undertake impactful social initiatives in the months ahead.

Sri Sairam Engineering College Organizes Free Medical Camp at Sethupattu

Reaffirming its commitment to social welfare and community health, Sri Sairam Engineering College, West Tambaram, through its Sairam Leo Club, organized a **Free Medical Camp** at the Panchayat Union Primary School, Sethupattu, on April 27, 2025. The camp was held from 9:00 AM to 4:00 PM and saw an overwhelming response from the local community.

LIONS LEO Sairam INSTITUTIONS

SAIRAM LEO CLUB
organises

FREE MEDICAL CAMP

Sri SAIRAM ENGINEERING COLLEGE
An Autonomous Institution
West Tambaram, Chennai - 44
www.sairam.edu.in

27.04.2025 | 9.00 AM to 4.00 PM
Venue : PANCHAYAT UNION PRIMARY SCHOOL, Sethupattu.

Sairam RAISE Inspiring PEOPLE Sairam EQMS Improving PROCESS Sairam SDG ACTION Instilling PURPOSE

The medical camp aimed to provide free and accessible healthcare services to the underprivileged sections of society. A team of experienced doctors, nurses, and healthcare volunteers conducted general health check-ups, provided consultations, and distributed essential medicines. Special focus was placed on preventive healthcare, early diagnosis, and raising awareness about common diseases.

Residents of Sethupattu and nearby areas benefited from the camp, receiving treatment for various health concerns such as hypertension, diabetes, respiratory ailments, and general medical advice. Educational pamphlets on hygiene, nutrition, and wellness were also distributed to promote healthier living practices among the rural population.

This initiative is part of the broader social outreach programs conducted under the leadership of Sairam Institutions, inspired by the vision of MJF. Ln. Leo Muthu, Founder Chairman. The college continues to uphold its tradition of serving society through healthcare, education, and sustainable development initiatives.

The management of Sri Sairam Engineering College expressed gratitude to all the medical professionals and volunteers for their dedicated service. The institution remains committed to fostering a spirit of compassion and social responsibility among its students, aligning its efforts with the Sustainable Development Goals (SDGs).

Sai Ram Engineering College's Leo Club Organizes Community Empowerment Events

The Sairam Leo Club, under the aegis of Sri Sai Ram Engineering College, West Tambaram, organized two impactful community outreach programs today aimed at fostering safety awareness and promoting rural development.

The day began with a session on **"Disaster Management and Fire Prevention Training"**, held at 9:30 AM at Uzhavarpani, Shivan Temple, Sethupattu. The event saw enthusiastic participation from local residents and students, who were trained on essential fire safety measures, emergency response strategies, and disaster preparedness. The program emphasized proactive community engagement to mitigate risks during emergencies and empower individuals to act decisively when disaster strikes.

In the afternoon, attention turned toward development initiatives with a session titled **"Role of Students in Rural Development"**, conducted at 2:30 PM at the Panchayat Union Primary School, Sethupattu. The program highlighted the pivotal role students can play in uplifting rural communities through education, technology, and social responsibility. Speakers encouraged young minds to take active roles in addressing rural challenges, innovating solutions, and driving sustainable growth.

The initiatives reflect the institution's strong commitment to community service, leadership development, and societal impact, aligned with their core values of "Inspiring People," "Improving Process," and "Instilling Purpose." The programs were conducted with the support of

Sairam Institutions' leadership, including the inspiration provided by MJF. Ln. Leo Muthu, Founder Chairman of the Sairam Group.

These events also resonate with Sairam's broader vision of promoting the UN's Sustainable Development Goals (SDG), contributing meaningfully to building resilient and empowered communities.

Sri Sairam Engineering College Organizes "Yellow Bag Rally" to Promote Environmental Sustainability

Demonstrating their continued commitment to environmental stewardship, **Sri Sairam Engineering College**, West Tambaram, through its dynamic **Sairam Leo Club**, successfully organized the **Yellow Bag Rally** on April 29, 2025, at Sethupattu Village Panchayat, Kanchipuram District.

The event, which commenced at 9:30 AM, was held under the broader campaign titled *"Meendum Manjapai"*, aiming to revive the traditional use of cloth (yellow) bags and reduce dependence on single-use plastics. Students, faculty members, and community participants enthusiastically took part in the rally, carrying powerful messages advocating for sustainable living practices and the preservation of the environment.

Participants walked through the village, distributing yellow cloth bags to residents and educating them about the detrimental effects of plastic pollution on the ecosystem. The initiative also included street plays, interactive sessions, and pledge drives, creating a significant impact among the local populace on the importance of adopting eco-friendly habits.

This campaign is aligned with Sri Sairam Institutions' strong emphasis on social responsibility, innovation, and sustainable development goals (SDGs). Inspired by the visionary leadership of **MJF. Ln. Leo Muthu**, the college consistently engages in activities that nurture civic consciousness and responsible citizenship among its students.

The management of Sri Sairam Engineering College extended heartfelt appreciation to the organizing team, volunteers, and villagers for making the rally a grand success. Such initiatives highlight the institution's unwavering commitment to fostering an environmentally conscious society.

Sairam Leo Club Conducts Awareness Program on Rural Development and Grama Sabha

The Sairam Leo Club of Sri Sairam Engineering College, West Tambaram, Chennai, organized an impactful community outreach program titled *"Importance of Rural Development Programs and Grama Sabha"* on **May 1, 2025**, at **Sethupattu village**.

This initiative aimed to promote awareness about the vital role rural development schemes and Grama Sabha meetings play in empowering local communities.

The event began at 9:00 AM and saw enthusiastic participation from students, faculty members, and villagers. As part of the Sairam SDG Action Program, the initiative aligned with the Sustainable Development Goals (SDGs) set by the United Nations, especially focusing on poverty eradication, education, and inclusive community participation.

Students from various departments actively engaged with villagers to discuss key government schemes related to rural infrastructure, education, sanitation, and women's empowerment. Special emphasis was placed on the function of the Grama Sabha—a democratic forum where villagers can voice their needs, approve development projects, and ensure transparency in governance.

The outreach event also included interactive sessions, awareness skits, and group discussions to make the learning experience lively and effective. Villagers expressed appreciation for the efforts of the students and faculty,

and many pledged to take an active part in upcoming Grama Sabha meetings.

Sairam Leo Club's initiative is a reflection of the institution's commitment to holistic education—one that extends beyond the classroom and into the heart of society. The event was guided by the core principles of

Sairam Institutions: *Inspiring People, Improving Processes, and Instilling Purpose.*

By bridging the gap between academia and rural realities, the program successfully encouraged grassroots involvement and highlighted the youth's potential in nation-building.

Department of AI & DS Shines at Solveathon 4.0!

The Department of Artificial Intelligence and Data Science at Sri Sairam Engineering College proudly celebrates the outstanding achievements of its students at the Sairam SDG Solveathon 4.0, held from April 8th to 11th, 2025.

This prestigious event, aligning with the United Nations Sustainable Development Goals (SDGs), witnessed the enthusiastic participation of 2556 innovators across 35 domains, presenting over 831 unique ideas.

Team "Arboretum Oasis," mentored by Mr. S. Sivamurugan, secured the 3rd Prize for their project under Theme 4: Quality Education. Comprising Jayanagavarshini R D, Mohammadu Sameer M, Hemachandran A, and Aruna Varsha R, the team's project demonstrated an innovative approach to enhancing educational infrastructure in remote and underprivileged regions.

In parallel, the team "Envirosense," guided by Dr. P. Kalaiselvi, achieved the Overall 2nd Runner Up position for their project in Theme 6: Clean Water and Sanitation. The team, consisting of Sujith S M, Nataraj EL, Vijaykumar I, and Abishek K, developed an advanced real-time system for industrial emission monitoring and automated water quality control—an initiative poised to create significant environmental impact.

The Solveathon 4.0 Grand Finale and Award Ceremony was graced by distinguished dignitaries, including Dr. Swagata Sarkar (HoD, AI&DS), Dr. J. Raja (Principal), and Dr. Sai Prakash Leo Muthu (Chairman & CEO, Sairam Institutions). The winners were honored on stage with trophies,

certificates, and a cash prize, celebrating their commitment to sustainable development and technological excellence.

The department commends all the student participants and faculty mentors for their relentless dedication and creative solutions toward global challenges. These accomplishments not only reflect the department's academic rigor but also its vision of nurturing responsible, future-ready technocrats.

Celebrating Innovation: AI&DS Students achievement at Sairam SDG Solveathon 4.0

We are thrilled to announce a proud moment for the Department of Artificial Intelligence and Data Science at Sri Sairam Engineering College. Our talented students have emerged as the Overall 2nd Runner-Up in the prestigious Sairam SDG Solveathon 4.0, held under the aegis of the Sairam Innovation Eco-System.

The award-winning project, titled "Envirosense – Advanced Real-Time Industrial Emission Management and Automated Water Quality Control System," was developed by a dedicated team comprising Sujith S M, Nataraj E L, Vijaykumar I, and Abishek K. The project focused on addressing Sustainable Development Goal (SDG) Theme 6: Clean Water and Sanitation, presenting an innovative solution for real-time monitoring and management of industrial emissions alongside automated control of water quality.

The team was expertly guided by Dr. P. Kalaiselvi, whose mentorship and technical insights were instrumental in shaping this success. Their achievement stands out among fierce competition,

with 2556 participants, 831 ideas, 18 panels, and 35 domains contributing to a vibrant innovation landscape.

This victory not only highlights the problem-solving capabilities of our students but also reflects our department's commitment to real-world impact through technology. We extend our heartfelt congratulations to the entire team and express our gratitude to Dr. Swagata Sarkar (HOD/AI-DS), Dr. J. Raja (Principal) and Dr. Sai Prakash LeoMuthu (Chairman & CEO, Sairam Institutions) for their continuous encouragement and support.

AI & DS Department Secures 3rd Prize at Solveathon 4.0!

We are proud to share another exciting achievement by the students of the Department of Artificial Intelligence and Data Science at Sri Sairam Engineering College. Demonstrating their passion for innovation and education, a dynamic student team secured the 3rd Prize in the prestigious Sairam SDG Solveathon 4.0, a flagship event that fosters sustainable, tech-driven solutions.

The winning project, titled "Arboretum Oasis", was developed under the SDG Theme 4: Quality Education. The team—Jayanagavarshini R D, Mohammadu Sameer M, Hemachandran A, and Aruna Varsha R—proposed a creative and impactful solution aimed at enhancing educational outreach and quality through technology-integrated systems and nature-inspired learning environments.

Guided by the dedicated mentorship of Mr. S. Sivamurugan, the students showcased their ability to blend technical expertise with social responsibility.

The recognition came amidst intense competition featuring 2,556 participants, 831 ideas, 18 expert panels, and innovations spanning 35 domains.

This award underlines the department's mission to cultivate socially conscious innovators equipped to solve global challenges. We extend our

heartfelt congratulations to the team for their outstanding effort and commendable vision. Special appreciation goes to Dr. Swagata Sarkar (HOD/AI-DS), Dr. J. Raja (Principal), and Dr. Sai Prakash LeoMuthu (Chairman & CEO, Sairam Institutions) for their unending support and leadership.

Startup Mahakumbh 2025: Igniting India's Entrepreneurial Spirit

Startup Mahakumbh 2025, hosted at the iconic Bharat Mandapam in New Delhi from March 18 to 20, emerged as India's grandest celebration of entrepreneurship and innovation.

This landmark event brought together a vibrant ecosystem of over 1,500 startups, 200 incubators, 1,000 investors, and more than 50,000 participants from across India and abroad. Jointly organized by prestigious industry associations—ASSOCHAM, NASSCOM, TiE, and the Indian Venture and Alternate Capital Association (IVCA)—Startup Mahakumbh served as a dynamic platform for collaboration, mentorship, and funding.

With the powerful theme "Bharat Innovates", the event showcased India's potential as a global innovation hub. It featured 10 thematic tracks focused on emerging and impactful sectors such as Artificial Intelligence & SaaS, AgriTech, FinTech, DeepTech, BioTech & Pharma, and Social Impact. These tracks enabled entrepreneurs to

pitch groundbreaking ideas, receive expert guidance, and explore investment opportunities.

The event also featured a dedicated space for startup exhibitions, curated networking zones, and high-energy founder-investor meetups, all of which created an immersive experience for attendees.

Eminent industrialists, policymakers, academicians, and venture capitalists led insightful panel discussions and keynote sessions, offering deep dives into startup trends, policy frameworks, and the future of the entrepreneurial landscape in India.

One of the standout features was the Startup Mahakumbh Grand Challenge, a nationwide initiative inviting students, innovators, and entrepreneurs to address real-world societal and industrial problems with scalable and sustainable solutions.

Notably, several startups from Tamil Nadu made a strong impact, highlighting the rapid emergence of South India as a key player in the country's innovation ecosystem. The event also served as an invaluable learning ground for students and aspiring entrepreneurs, providing them with first-hand exposure to cutting-edge technologies, investor dynamics, and global market trends.

In alignment with the "Startup India, Standup India" vision, Startup Mahakumbh 2025 reinforced India's aspirations of becoming a global startup powerhouse.

The Department of Artificial Intelligence and Data Science encourages all students to actively participate in such national-level platforms, helping bridge the gap between academic knowledge and real-world innovation.

Sri Sairam Engineering College Hosts National-Level Hackathon "HackTronix 1.0"

Sri Sairam Engineering College, West Tambaram, Chennai, successfully organized *HackTronix 1.0*, a 24-hour national-level hackathon on April 29 and 30, 2025, at the Computer Center VIII – AIDS Lab. Themed *"Open Innovation"*, the event provided a platform for students from across the country to exhibit their technological creativity and problem-solving prowess.

Hosted by the Department of Artificial Intelligence and Data Science in collaboration with IEEE societies, Intel® Unnati, and various innovation ecosystems, the hackathon aimed to encourage young minds to design innovative solutions for real-world problems. The event was open to both software and hardware projects, welcoming students from diverse backgrounds.

Over 300 students from across India participated in teams of 2 to 4 members. The preliminary registration was free, and the top 30 shortlisted teams competed in the final 24-hour coding marathon. Participants worked on diverse problem statements, ranging from healthcare and sustainability to smart cities and automation.

The event featured mentoring sessions, networking opportunities, and interactive workshops. Judging was based on innovation, technical implementation, and social impact. Attractive cash prizes were awarded—

₹10,000 for first place, ₹7,500 for second, and ₹5,000 for third—along with a ₹2,000 prize for the most innovative project.

Certificates were distributed to all participants, and food and refreshments were provided throughout the event, ensuring a vibrant and collaborative environment.

HackTronix 1.0 not only celebrated technology and teamwork but also aligned with the institution's mission to nurture innovation, practical knowledge, and entrepreneurship. The event was a testament to Sri Sairam Engineering College's commitment to providing its students with industry-relevant exposure and opportunities to grow as future tech leaders.

ICT Academy Hosts Inaugural Educators Conclave at Sri Sairam Engineering College

The ICT Academy hosted its inaugural Educators Conclave at Sri Sairam Engineering College, Chennai, under the theme "Empowering Educators to Empower India." The event brought together academic leaders, industry experts, and policymakers to discuss strategies for transforming education and bridge the gap between academia and industry.

Dr. Swagata Sarkar, Head of the Artificial Intelligence and Data Science Department at Sri Sairam Engineering College, played a key role in organizing the conclave. Her collaboration with NASSCOM and the iExplore Foundation, the event's knowledge partner, was vital to its success.

The conclave featured discussions on digital transformation, innovative teaching methods, and the integration of emerging technologies in education. Key speakers included Mr. Srikanth V, CEO of ICT Academy, and Mr. Navaneethakrishnan Ramanathan, Chair of the IEEE Education Society Madras Section. Mr. Srikanth emphasized the importance of educators embracing digital tools to enhance learning, while Mr. Ramanathan discussed how the integration of technology could revolutionize education in India.

A major theme of the conclave was bridging the gap between academia and industry. Discussions focused on the need for collaborations that offer students practical exposure through internships, skill development programs, and research initiatives, ensuring they are industry ready.

The event underscored the role of educators in shaping the future of India's workforce. It is called for a culture of lifelong learning, where educators continue to upgrade their skills in response to evolving technological landscapes. The conclave marked a significant step toward creating an education ecosystem that empowers both teachers and students for the challenges ahead, reinforcing the importance of innovation, collaboration, and continuous growth in the educational sector.

Empowering the Future: Dr. Swagata Sarkar Honored at AI Pragati 2025

AI Pragati 2025, a powerful convergence of education and emerging technology has brought together leaders, academicians, and innovators to explore the role of Artificial Intelligence (AI) in building future-ready education systems. The prestigious event, held in collaboration with EdGate Technologies as the integration partner and supported by industry leaders Redington and Hewlett Packard Enterprise, focused on transforming traditional education models through AI-driven solutions.

Among the notable guests was Dr. Swagata Sarkar, Head of the Department of Artificial Intelligence and Data Science (AI-DS) at Sri Sai Ram Institute of Technology. A passionate advocate of AI integration in academia, Dr. Sarkar was felicitated at the event for her significant contributions toward shaping an AI-enabled learning environment. Her efforts in modernizing academic curricula, promoting hands-on learning, and nurturing digital competencies among students were praised by peers and industry stakeholders alike.

AI Pragati served as a collaborative platform to address key topics such as AI curriculum design, ethical AI deployment in classrooms, and strategies to upskill both educators and learners. Sessions also featured demonstrations

of cutting-edge educational technologies and panel discussions on fostering innovation in pedagogy.

Dr. Sarkar's presence emphasized the critical role of academic leadership in guiding institutions through the digital transition. Her commitment to inclusive and interdisciplinary education reflects the growing need for holistic approaches in AI training and research. With her forward-thinking vision, she continues to inspire faculty and students alike to embrace AI as a means of empowering knowledge and driving positive change.

The event concluded with a strong call for institutional partnerships, innovation in teaching practices, and the continuous evolution of education to meet the demands of a rapidly advancing technological world. AI Pragati 2025 marked a milestone in the journey toward smarter, more adaptive learning ecosystems.

Sri Sairam Engineering College Inaugurates Advanced JARVIS Lab for AI & DS

In a progressive stride toward technological excellence, **Sri Sairam Engineering College** inaugurated its cutting-edge JARVIS Lab—a dedicated space for Artificial Intelligence and Data Science innovation. The inaugural ceremony was led by a distinguished Guest of Honor, accompanied by **Sri Sai Prakash Leo Muthu, Chairman and CEO of Sri Sairam Institutions**, Dr. J. Raja, Principal of Sri Sairam Engineering College, and **Dr. Swagata Sarkar**, Head of the Department of AI & DS.

Designed to empower students with real-time learning and industry-relevant skills, the JARVIS Lab is equipped to support projects in machine learning, robotics, data analytics, and intelligent automation. The event drew enthusiastic participation from students, faculty members, and dignitaries.

During his keynote, the Guest of Honor commended the institution for investing in futuristic education. **"Labs like JARVIS bridge the gap between theory and practical application, preparing students for impactful careers in emerging technologies"** he noted.

Sri Sai Prakash Leo Muthu highlighted the importance of staying ahead in the digital era. **"The JARVIS Lab is a symbol of our commitment to developing next-generation leaders in AI and Data Science"** he said, encouraging students to take full advantage of the facility.

Dr. J. Raja, Principal of Sri Sairam Engineering College, emphasized the college's mission to foster academic excellence and innovation. **Dr. Swagata Sarkar** added that the lab would inspire interdisciplinary research and hands-on exploration among students.

The event concluded with a ribbon-cutting ceremony, a lab tour showcasing student projects, and a photo session with the dignitaries. With the launch of the JARVIS Lab, Sri Sairam Engineering College reaffirms its role as a frontrunner in future-ready education and technological advancement.

Sri Sai Ram Institute Hosts Cybersecurity Workshop to Enhance Digital Awareness

A two-day workshop on Cybersecurity was successfully organized on April 29th and 30th, 2025, at Sri Sai Ram Institute of Technology (SIT) in association with Sri Sai Ram Engineering College (SEC). The event, conducted by TG Cyberlabs, took place at the JARVIS Studio and was coordinated under the ages of the Sairam Innovation Eco-System, Sairam Techno Incubator Foundation, and JARVIS Studio.

The workshop aimed to equip students and faculty with essential knowledge in cybersecurity, including real-world challenges, defensive strategies, and hands-on practical sessions. It covered a wide range of topics crucial for understanding today's digital threats and how to combat them using modern technologies and tools. The sessions ran from 9:00 AM to 4:00 PM over both days and witnessed active participation from students across departments.

The initiative received strong institutional support from Dr. K. Palanikumar (Principal, SIT), Dr. J. Raja (Principal, SEC), and Dr. Sai Prakash Leo Muthu (Chairman & CEO). A key contributor to the event's coordination and success was Dr. Swagata Sarkar, Head of

the Department of Artificial Intelligence and Data Science (AI-DS), who played an instrumental role in ensuring smooth execution.

   To recognize and encourage enthusiasm, mementos were distributed to several participating students, celebrating their active involvement and engagement throughout the sessions. The event reinforced the importance of cybersecurity knowledge and its relevance in the academic and professional spheres.

Sri Sairam Engineering College Observes IP UTSAV Day 3

"IP UTSAV" was actively celebrated at Sri Sairam Engineering College, focusing on spreading awareness about Intellectual Property Rights (IPR) among students of the Electronics and Communication Engineering (ECE) Department.

The event featured informative video presentations across multiple classrooms, covering key aspects of IPR including patents, copyrights, trademarks, and industrial designs. These sessions helped students understand the importance of protecting creative ideas and innovations in today's competitive world. The use of AV-enabled classroom tools enhanced the learning experience and ensured smooth coordination.

Interactive discussions followed each screening, where faculty members clarified students' doubts and emphasized the role of IPR in research and entrepreneurship. In parallel, hands-on sessions in the computer lab introduced students to online IP databases and filing platforms, offering practical exposure to real-world IPR systems.

Organized by the college's IPR Cell, IP UTSAV aims to foster a culture of innovation and legal awareness among budding engineers. The enthusiastic participation and engagement of students marked the success of

Day 3, contributing to the overall goal of nurturing responsible and informed innovators.

The celebration continues with more sessions and activities planned for the coming days, reinforcing the significance of intellectual property in academic and professional growth.

Dr. Swagata Sarkar Successfully Completes IKS Training Program

The Department of Artificial Intelligence and Data Science at Sri Sairam Engineering College is proud to congratulate **Dr. Swagata Sarkar, HoD of AI & DS, Sri Sairam Engineering College** for successfully completing the Six Days Basic Training Program in **Indian Knowledge Systems (IKS)**

organized by the **University Grants Commission (UGC)**, New Delhi in collaboration with the IKS Division of the Ministry of Education, Government of India.

The program was conducted at **Bharathiar University, Coimbatore**, from **10th to 15th March 2025** and focused on **exploring India's rich heritage of knowledge** in diverse fields such as science, mathematics, philosophy, and education systems rooted in the Indian tradition. **Dr. Sarkar earned a B+ grade**, reflecting her commitment to academic growth and her interest in integrating **traditional wisdom with modern technology** and pedagogy.

Her participation in this nationally recognized training adds immense value to the department's academic framework, encouraging a multidisciplinary approach to research and innovation. By embracing the essence of IKS, she sets an example for educators aiming to connect cultural roots with futuristic learning.

We applaud Dr. Swagata Sarkar for this achievement and look forward to the positive impact of her learnings on our academic community.

Dr. Swagata Sarkar Presents at ICCCT'25 on Generative AI in Education

Dr. Swagata Sarkar from Sri Sairam Engineering College, Chennai, actively participated in the prestigious 5th IEEE International Conference on Computing and Communication Technologies (ICCCT'25) held on 16th and 17th April 2025. The event, hosted by the Department of Information Technology, brought together leading experts and researchers to explore innovations across the technology spectrum.

Dr. Sarkar presented a paper titled "Generative AI for Personalized Learning Experiences in Education," highlighting the transformative role of generative artificial intelligence in tailoring educational content to meet individual learner needs. The presentation received positive attention for addressing current challenges in digital education and offering scalable AI-driven solutions.

Her participation reflects both academic engagement and a commitment to emerging research areas in AI, especially in education. By exploring practical implementations of generative AI, Dr. Sarkar contributes to shaping the future of adaptive learning environments.

The department commends her for her valuable contribution and encourages further research and collaboration in this promising area of study.
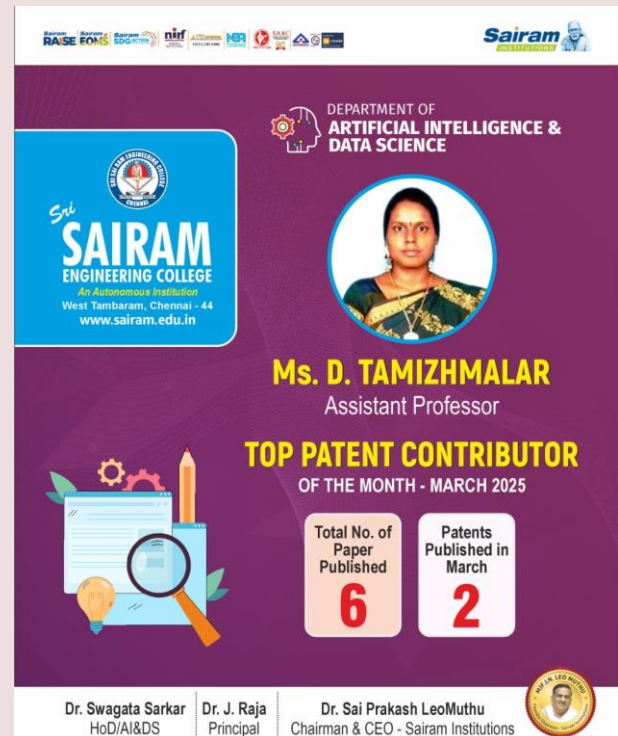
Achievement of Mr. V. Arun Recognized as Top Patent Contributor

The Department of Artificial Intelligence and Data Science at Sri Sairam Engineering College is delighted to recognize the outstanding achievement of Mr. V. Arun, Assistant Professor, who has been honored as the Top Patent Contributor for the Month of February 2025.

With an impressive record of five papers published and one patent filed during the month, Mr. Arun continues to demonstrate his unwavering commitment to innovation and research in the field of Artificial Intelligence and Data Science. His dedication to contributing novel ideas and solutions to emerging technological challenges is commendable and greatly enhances the research profile of the department.

This recognition reflects not only Mr. Arun's passion for pioneering advancements but also the department's support and encouragement toward a strong research culture. His work serves as a motivating force for peers and students alike, inspiring a pursuit of excellence in the domains of intellectual property and scholarly publication.

Achievement of Ms. Madhivadhani D Honored as Top Publisher

The Department of Artificial Intelligence and Data Science at Sri Sairam Engineering College proudly congratulates Ms. Madhivadhani D, Assistant Professor, for being recognized as the Top Publisher of the Month – February 2025.

Her academic accomplishments include 5 Scopus-indexed publications, 240 Google Scholar citations, and impressive metrics such as an H-index of 8 and an i10-index of 8. Additionally, she made one publication in February alone, reaffirming her consistency and dedication to research excellence.

Ms. Madhivadhani's scholarly contributions reflect her deep engagement in meaningful research and her commitment to advancing the field of Artificial Intelligence and Data Science. Her ability to maintain high-impact publication standards serves as an inspiration to her colleagues and students.

This recognition is a testament to the vibrant research environment fostered by the department, and it highlights Ms. Madhivadhani's role in contributing to the institution's growing academic stature. The department commends her on this notable achievement and looks forward to her continued success in enriching the research community.

Achievement of Ms. D. Tamizhmalarm Honored as Top Patent Contributor

The Department of Artificial Intelligence and Data Science at Sri Sairam Engineering College takes immense pride in congratulating Ms. D. Tamizhmalar, Assistant Professor, for being recognized as the Top Patent Contributor of the Month – March 2025. This accolade reflects her dedication to innovation, research excellence, and her significant contributions to intellectual property development.

With a total of 6 papers published and 2 patents filed in the month of March, Ms. Tamizhmalar continues to set a high standard in academic and research output. Her work showcases a forward-thinking approach, aligning with the department's mission of nurturing creativity, research aptitude, and real-world problem-solving skills among both faculty and students.

Her patent contributions not only demonstrate her commitment to applied research but also support the institution's vision of becoming a hub for innovation and technology transfer. These achievements highlight the growing importance of patent literacy in academia and inspire fellow researchers to translate their ideas into impactful outcomes.

We congratulate Ms. Tamizhmalar on this well-deserved recognition and wish her continued success in her academic and research journey.

Achievement of Dr. P. Vijayakumari Recognized as Top Publisher

The Department of Artificial Intelligence and Data Science at Sri Sairam Engineering College proudly congratulates Dr. P. Vijayakumari, Associate Professor, for being honored as the Top Publisher of the Month for March 2025. This recognition highlights her exceptional contributions to academic research and her unwavering commitment to knowledge dissemination.

Dr. Vijayakumari has made a remarkable impact with 33 publications indexed in Scopus, accumulating a total of 254 citations, and maintaining an impressive H-index of 6. Her continued pursuit of excellence is further reflected by the publication of a SCI-indexed paper in March 2025 alone—an achievement that sets a high benchmark in research productivity and quality.

Her scholarly contributions not only elevate the academic profile of the department but also serve as an inspiration to peers and students alike. By integrating cutting-edge research with educational excellence, Dr. Vijayakumari exemplifies the spirit of academic leadership and innovation that Sri Sairam Engineering College stands for.

Sri Sairam Engineering College Receives BIS "Award of Excellence" for 2024–2025

We are proud to share that Sri Sairam Engineering College, Chennai, has been conferred with the prestigious Award of Excellence by the Bureau of Indian Standards (BIS), New Delhi, under the BIS–Academia Collaboration 2024–2025. The recognition was presented during the Annual Convention of MoU Partner Institutes held at Indore.

This national-level accolade celebrates our institution's unwavering commitment to promoting standardization and quality education, in alignment with BIS initiatives. The award reflects our active engagement in fostering awareness about Indian Standards, contributing to curriculum enhancement, and encouraging students and faculty to embrace best practices in engineering and technology.

We are especially proud to highlight the contribution of Dr. P. Kalaiselvi from the Department of Artificial Intelligence and Data Science, who represented the college and received the award on this distinguished platform. Her efforts have significantly contributed to building a strong academia-industry bridge that supports innovation and excellence.

This recognition places our institution among the leading contributors to the BIS-Academia partnership in India and reinforces our mission to nurture responsible, standards-conscious professionals.

Sri Sairam Engineering College Secures First Place at INNOFUSION Hackathon 2025

We are proud to announce that **Prabhu**, a student of **II-Year, Artificial Intelligence and Data Science** (AIDS-B), along with his team, has secured **First Place in the Hardware Category** at the prestigious **INNOFUSION Hackathon 2025**, conducted by KL University, Vijayawada, Andhra Pradesh.

This national-level hackathon witnessed the participation of over **800 teams** from across India, out of which *only 100 teams were shortlisted as finalists* after a competitive selection process. Demonstrating exceptional technical skills, creativity, and teamwork, Prabhu and his team delivered an outstanding hardware-based solution to a real-world problem, standing out among the best and brightest innovators.

The event was organized by the Department of Computer Science and Engineering at KL University, in collaboration with 4Focus and other industry partners. It served as a platform for aspiring technologists to showcase their

abilities to conceptualize, design, and build functional prototypes within a limited time frame.

Prabhu's team impressed the jury with their practical application of hardware technologies and their clear understanding of the challenge at hand. Their win reflects their dedication, critical thinking, and innovative spirit.

This remarkable achievement brings great pride to **Sri Sairam Engineering College**, highlighting the institution's commitment to nurturing future-ready engineers and promoting a strong culture of innovation and problem-solving.

Congratulations to Prabhu and his team for this inspiring accomplishment. Your hard work and excellence serve as a motivating example for your peers and a proud moment for the entire Sairam community.

Sri Sairam Engineering College Students Win "Best User Experience" Award at National Hackathon – COLOSSUS 2.0

We are thrilled to announce that a student team from **Sri Sairam Engineering College**, under the name **C2 SQUAD**, has emerged victorious by winning the "Best User Experience" Award at the

COLOSSUS 2.0 24-hour National Level Hackathon held at **Dr. Ambedkar Institute of Technology**, Bengaluru, from **April 11 to April 12, 2025.**

COLOSSUS 2.0 witnessed participation from top institutions across India, drawing innovative young minds eager to solve real-world problems with technology. Among the many participating teams, C2 SQUAD stood out for their highly intuitive and user-centric solution, which impressed the panel of judges. Their project was lauded for its thoughtful design, ease of use, and seamless interface that significantly enhanced the user experience.

The team was awarded a **cash prize of ₹8,000**, along with a certificate of achievement by the event organizers. This award is particularly notable because it recognizes not just technical proficiency but also the ability to create meaningful and accessible

technology solutions—an essential quality in modern software and hardware development.

The hackathon was conducted under the guidance of eminent faculty and industry mentors, offering participants a platform to innovate under time-bound conditions. Winning such an honor reflects the team's dedication, creativity, and application of classroom knowledge to practical, impactful outcomes.

This achievement once again highlights the strength of **Sri Sairam Engineering College** in fostering innovation, collaboration, and excellence among its students. Congratulations to the entire team of C2 SQUAD for their remarkable success and for bringing pride to the institution on a national stage.

Sri Sairam Engineering College Students Secure Third Place at Prathyusha Engineering College's CIDATHON

We are proud to share that **Dilshan** and his team from **Sri Sairam Engineering College** achieved a commendable **Third place** in the **CIDATHON** organized by **Prathyusha Engineering College (Autonomous Institute)**, Chennai. The event was hosted by the Department of Computer Science and Engineering and witnessed enthusiastic participation from various engineering colleges across the region.

The CIDATHON (Code, Innovate, develop – A Hackathon) was a platform designed to promote innovation, technical excellence, and collaborative problem-solving among student developers and tech enthusiasts. Over the course of the event, teams were challenged to address real-world problems by building creative and practical software-based solutions within a constrained timeframe.

Dilshan and his teammates impressed the jury panel with their unique approach, effective teamwork, and strong technical execution. Their solution stood out for its clarity in addressing the problem statement, practical applicability, and innovation in design. Their performance reflected a deep understanding of emerging technologies and an ability to apply theoretical knowledge to practical challenges.

The team was awarded **Third prize**, which came with certificates of recognition and appreciation from the organizing committee. Faculty and

industry professionals present at the event praised the student teams for their outstanding efforts, and the organizing institution commended all winners for their spirit of innovation.

This success is yet another milestone for Sri Sairam Engineering College, reaffirming its commitment to nurturing talent and encouraging students to engage in competitive technical events. Congratulations to Dilshan and his team for their excellent performance and for bringing further accolades to the institution.

BIS Cyber AI Conclave 2025 – Fostering Technical Excellence and Standardization Awareness

BIS Cyber AI Conclave 2025 – Fostering Technical Excellence and Standardization Awareness.

The Department of Artificial Intelligence and Data Science at Sri Sairam Engineering College, in association with the Bureau of Indian Standards (BIS), proudly organized a dynamic technical event titled "BIS Cyber AI Conclave 2025" on 15th April 2025 at the Hardware Lab II, First Floor.

The event aimed to promote awareness of Indian standards and cyber-AI practices among budding engineers. With enthusiastic participation from students, the conclave served as a vibrant platform to engage, learn, and innovate.

Gracing the occasion as Chief Guest was Dr. S. Dorothy, Guest Lecturer from the Department of Chemistry, Govt. Arts and Science College. Her insightful address inspired students to explore the importance of standardization in emerging technologies.

The conclave featured a variety of intellectually stimulating events such as:

- Presentation on Standards
- Technical Quiz
- Standard Parliament

- Crossword Challenge

Participants competed for attractive cash prizes, with awards up to ₹1000 for the top performers, encouraging healthy competition and excellence.

Guided by Dr. P. Kalaiselvi (BIS Mentor) and Dr. Swagata Sarkar (HoD, AI&DS), and supported by the academic leadership of Dr. Rajendra Prasad, Dr. J. Raja, and Dr. Sai Prakash Leo Muthu, the event marked yet another milestone in blending innovation with quality standards in education.

Department of AI & DS Signs MoU with Bio Vision Medical System, Chennai

The Department of Artificial Intelligence and Data Science at Sri Sairam Engineering College, West Tambaram, Chennai, marked a significant milestone by signing a Memorandum of Understanding (MoU) with Bio Vision Medical System, Chennai.

The MoU ceremony was held at Jarvis Studio, B Block Ground Floor, and showcased the institution's continued commitment to fostering industry-academic collaborations that drive innovation and research excellence.

The event was graced by esteemed dignitaries including Dr. K. Venkatraman, Ph.D., Managing Director of BVMS, who served as the Chief Guest. His presence emphasized the importance of bridging the gap between academic research and real-world medical applications. The session also featured an expert lecture on "Trends in Biomedical Image Processing," aimed at enriching student knowledge and encouraging research in emerging domains at the intersection of AI and healthcare.

The MoU aims to provide students with hands-on exposure, internships, collaborative research opportunities, and access to cutting-edge medical imaging technologies. Present during the event were Dr. Swagata Sarkar (HoD, AI&DS), Dr. J. Raja (Principal), and Dr. Sai Prakash Leo

Muthu (Chairman & CEO), whose visionary leadership continues to position the institution at the forefront of technological advancement.

This partnership underscores the department's mission to nurture future-ready professionals equipped with skills relevant to evolving industry demands.

Honoring exeptional talent of students in Skillrack platform

The Department of Artificial Intelligence and Data Science is proud to celebrate the remarkable mentorship contributions of **Ms. Tamizhmalar D**. and who have been honored for their exceptional service on the Skillrack platform. Skillrack, a widely used programming practice platform, plays a crucial role in enhancing students' coding abilities, logical thinking, and readiness for technical interviews.

Dinesh K, II – year and Deva Praveen K, III – year, students from the department of AI&DS, Sri Sairam Engineering College is being appriciated for their consistent efforts and exemplary performance on the Skillrack platform have earned them the title of Top Performers. Their achievement reflects the commitment and competitive spirit of our department in fostering future-ready AI and Data Science professionals.

As a "Supporting Star," she has motivated and enlightened the student community towards consistent development. Her efforts have been pivotal in helping students navigate coding challenges, build discipline, and remain engaged with Skillrack's structured practice system. This recognition

reflects her commitment to peer learning, leadership, and academic excellence.

As a mentor Ms. Thamilmalar made significant contributions to the growth and success of the AI & DS community, demonstrating how peer collaboration and mentorship can drive excellence. The department extends heartfelt congratulations to Ms. Tamizhmalar D. for their exceptional mentorship and invaluable role in shaping the future of students in the tech-driven era.

Library Explorers Recognition – A Step Towards Knowledge Empowerment

The Department of Artificial Intelligence and Data Science at Sri Sairam Engineering College proudly congratulates its enthusiastic readers under the "Library Explorers" initiative, recognizing students who have actively utilized library resources to enrich their academic journey.

In alignment with the vision of holistic education and knowledge-driven learning, the department honored three exemplary students for their consistent and dedicated engagement with the library:

- Abubacker S, III Year AI&DS A – 9 Days
- Rithika R, III Year AI&DS A – 8 Days
- Ciranjeevi D, II Year AI&DS A – 8 Days

This initiative, spearheaded by Dr. Swagata Sarkar, HoD/AI&DS, aims to encourage the habit of self-learning, research orientation, and intellectual curiosity among students. The department firmly believes that frequent library visits reflect a student's pursuit of deeper understanding beyond the classroom.

Dr. J. Raja, Principal, and Dr. Sai Prakash Leo Muthu, Chairman & CEO of Sairam Institutions, extended their best wishes to the recognized students

and encouraged others to follow their example in making the library a cornerstone of their learning experience.

The "Library Explorers" program is a small yet significant step towards building a vibrant academic culture where reading and inquiry become integral to the student experience.

Awareness Session on Indian Knowledge System (IKS) for Internship Proposal Preparation

The **Department of Artificial Intelligence and Data Science at Sri Sairam Engineering College**, in association with IQAC, organized an insightful awareness session titled **"Indian Knowledge System (IKS)** for the Preparation of Internship Proposal" on April 25, 2025, from 7:00 PM to 8:00 PM via Google Meet.

The session aimed to guide students in aligning their internship proposals with the traditional Indian Knowledge System, blending cultural wisdom with modern academic frameworks. The resource person, Dr. R. Sundareswaran, Associate Professor at SSN College of Engineering, brought with him a wealth of expertise in IKS-based research and its relevance in contemporary education.

Dr. Sundareswaran elaborated on how IKS principles can offer a unique perspective for research and innovation, encouraging students to tap into centuries-old knowledge streams while addressing present-day challenges.

He highlighted ways to structure internship proposals around indigenous knowledge areas such as Ayurveda, traditional engineering practices, ecological sustainability, and ancient mathematical concepts, making the session both practical and thought-provoking.

Organized under the banner of the Institution's Innovation Council and Sairam Innovation Eco-System, the event received enthusiastic participation from students and faculty alike. The initiative reflects the department's commitment to nurturing holistic and culturally grounded academic development, preparing students to innovate with a deeper understanding of India's intellectual heritage.

SAIRAM TECHSPARK 2K25: Igniting Young Minds Through Science & Innovation

Sairam Vidyalaya, Ulavaikkal, Pondicherry, hosted its much-anticipated Inter-school Science Exhibition – SAIRAM TECHSPARK 2K25 on April 26, 2025.

The event, held from 9:00 AM to 2:00 PM at the school campus, was a grand showcase of creativity, innovation, and scientific curiosity. Students from various schools participated enthusiastically, presenting an impressive range of science and technology models reflecting their understanding of real-world problems and futuristic solutions.

The exhibition aimed to foster scientific temper and encourage young learners to explore the vast realms of innovation. The event was inaugurated and presided over by Mr. Gunaseelean, Founder & CEO of KITE ROBOTICS, and Dr. Swagata Sarkar, HoD of Artificial Intelligence & Data Science, Sri Sairam Engineering College, Chennai. Both dignitaries served as Chief Guests and graciously distributed prizes to the most outstanding exhibits.

Their insightful presence added immense value, motivating the students to pursue science and technology with greater passion.

The event also witnessed the active involvement of Dr. N. Sudha (Principal), Mr. A. Muthuvairavan (CSO), Mr. K. Naresh Raj (CIO), and

Dr. Sai Prakash Leo Muthu (Chairman & CEO, Sairam Institutions), under whose guidance the exhibition was a remarkable success.

TECHSPARK 2K25 truly lived up to its theme of "A Giant Leap in Science and Innovation," creating a vibrant platform for young minds to shine.

THANK YOU