ARTIFICIAL INTELLIGENCE

AND DATA SCIENCE

NEWSLETTER

July 2025, Volume 4, Issue 7

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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

Vision and 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, joining in the hands with a dedicated team of erudite faculty

Sri Sairam Engineering College – IEEE-WIE Day Celebration 2025 Empowering Women in Engineering – A Journey of Innovation and Inclusion

The IEEE Women in Engineering (WIE) Affinity Group of Sri Sairam Engineering College proudly celebrated IEEE-WIE Day 2025 with grandeur, spirit, and collaboration on campus. This event has

brought together faculty, staff, and IEEE members to honor and empower women engineers while promoting diversity and inclusion in the engineering community.

With the theme "Empowering Lives through Women in STEM and Cyber Security", the celebration highlighted the importance of female representation in science, technology, engineering, and mathematics, with a special emphasis on the role of women in safeguarding the digital world.

The celebration began with a warm welcome by the IEEE WIE coordinator, followed by an inspiring keynote address delivered by an esteemed expert in cybersecurity. The speaker emphasized the critical role women play in driving technological innovation and addressing global challenges.

Participants engaged in thought-provoking discussions, showcased posters, and attended knowledge-sharing sessions, making it a vibrant platform for mentorship. A notable moment of unity and solidarity was captured with all attendees forming the WIE hand symbol, as seen in the group photo.

The event not only celebrated women engineers but also ignited passion and awareness among all participants, regardless of gender, to foster a more inclusive and equitable technological world.

IEEE-WIE Day 2025 at Sri Sairam Engineering College stands as a testament to the institution's commitment to empowering women and creating future-ready engineers who are not only technically proficient but socially responsible.

Celebrating Placement Excellence: Hema Priya V from AI-DS Bags 8 LPA at KaarTech

The Department of Artificial Intelligence and Data Science (AI & DS), Sri Sairam Engineering College, is proud to celebrate a remarkable milestone achieved by Hema Priya V, a standout student from the 2026 batch, who has been placed in KaarTech with an impressive package of ₹8 LPA.

This significant achievement reflects not only Hema Priya's individual dedication and skill in the fields of artificial intelligence and data-driven problem-solving but also the department's relentless efforts in nurturing industry-ready professionals. The AI & DS curriculum at Sairam Engineering College blends technical depth with practical insights in machine learning, data analytics, ethical AI, cybersecurity, and robotics—skills that are increasingly vital in today's tech ecosystem.

KaarTech, a global enterprise solutions company, recognized Hema Priya's potential to contribute to intelligent digital transformation initiatives, making her selection a proud moment for the department and institution. Her success stands as an inspiration to aspiring AI & DS students aiming for excellence in research, innovation, and high-impact industry roles.

The Training and Placement Cell of Sairam Institutions played a crucial role in preparing students through rigorous training sessions, aptitude workshops, mock interviews, and expert mentoring. Hema Priya's journey is a glowing

example of the synergy between academic rigor and professional guidance offered by the department and college.

This accomplishment also showcases the growing impact of women in technology—echoing the values celebrated recently during the IEEE-WIE Day 2025 hosted by the department.

We extend our heartfelt congratulations to Hema Priya V for her stellar placement and wish her continued success in her professional journey. The AI-DS department looks forward to nurturing many more such achievers in the coming years.

AIDS Department Staff Participate in SIRD Panchayat Raj Training Programme

Faculty members from the Department of Artificial Intelligence and Data Science (AI & DS), Sri Sairam Engineering College, actively participated in the three-month certificate training on Panchayat Raj Administration and Rural Development, organized by the State Institute of Rural Development &

**STATE INSTITUTE OF RURAL DEVELOPMENT & PANCHAYAT RAJ
MARAIMALAI NAGAR, CHENGALPATTU DISTRICT**

Panchayat Raj (SIRD & PR) at Maraimalai Nagar, Chengalpattu District.

The training was conducted from 30th June 2025 to 5th July 2025, as part of Batch-8 under the Centre for Panchayat Raj. This program is designed to provide an in-depth understanding of rural development schemes, decentralization, governance models, and data-driven decision-making in rural settings.

Participation in such interdisciplinary programs empowers our faculty to bridge the gap between technology and rural development, fostering a greater sense of social responsibility in engineering education. It also enhances their awareness of real-world policy implementation and opens avenues to integrate AI solutions in governance and rural welfare.

The AI & DS department extends its appreciation to SIRD & PR for the opportunity and looks forward to future collaborations that bring data science closer to grassroots development.

This experience reinforces the department's commitment to societal impact through knowledge, innovation, and community engagement.

AI & DS Department Faculty Shine with NPTEL Certifications at IIT Madras

We are proud to announce that faculty from the Artificial Intelligence & Data Science (AI & DS) Department of Sri Sairam Engineering College—Gomathy, Kalaiselvi, Tamimazhlar, and Preethi—have successfully earned NPTEL (National Programme on Technology Enhanced Learning) certificates, issued by the prestigious IIT Madras. The photo above captures the moment they received

their certificates, marking a commitment to lifelong learning and excellence in technical education.

NPTEL is one of India's largest online learning initiatives, delivered via the SWAYAM platform, offering free enrollment in engineering, sciences, data science, and AI courses developed by top IITs and IISc

Faculty participants engage in rigorous weekly assignments followed by a proctored certification exam, scored with 25% internal assignments and 75% exam weightage

By passing with flying colors, our faculty members have demonstrated both subject mastery and dedication. NPTEL certification enhances their professional development, qualifies for AICTE-recognized FDP credits, and greatly enriches their classroom teaching with updated, industry-relevant insights

Their success reflects Sri Sairam Engineering College's larger achievement: ranking in the top tier of NPTEL local chapters nationally—8th place among 7,500 institutes, 5th in Tamil Nadu, and 3rd in the Chennai region, earning an AAA rating

Ms. Gomathy, Ms. Kalaiselvi, Ms. Tamimazhlar, and Ms. Preethi from the department of AI-DS are now recognized among the growing community of faculty who are not only educators but continuous learners and innovators. Completing these certifications equips them to incorporate the latest techniques in AI, deep learning, data analytics, and ethical computing into their teaching.

AI&DS Department Shines: Students Placed with ₹6.5 LPA at Kaar Technologies

We are thrilled to share a moment of immense pride for the Artificial Intelligence & Data Science (AI&DS) Department of Sri Sairam Engineering College, as two of our outstanding final-year students—Nishanth J and Jenefer Silviya J—have been placed with a stellar 6.5 LPA package at Kaar Technologies, a global leader in SAP consulting and digital transformation solutions.

Both students belong to the 2026 graduating batch and have consistently excelled in academics, technical skills, and co-curricular engagements throughout their engineering journey. Their dedication, problem-solving mindset, and strong foundation in AI and data science made them ideal candidates for one of the highest packages offered during this placement season.

Kaar Technologies, renowned for its rigorous recruitment process, selected a competitive batch of just 24 top-performing students across departments. The placement reflects not only individual merit but also the collective effort of the AI&DS department in offering students real-time learning, certifications, coding mentorship, and soft skills training.

This milestone also underlines the success of our institution's Sri Sairam Training, Entrepreneurship & Placements (STEP) initiative, which plays a key role in bridging the gap between academics and industry expectations.
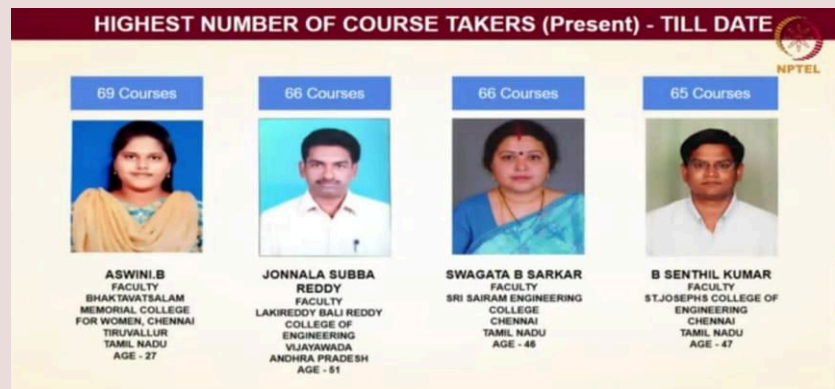
We heartily congratulate Nishanth J and Jenefer Silviya J for bringing glory to the department and setting a benchmark for future aspirants. Their achievement is a testament to the department's unwavering commitment to excellence, innovation, and career-focused learning.

We also express gratitude to our placement coordinators, faculty, and STEP team for their tireless efforts in nurturing talent and unlocking top-tier career opportunities for our students.

Faculty Achievement – Recognition for NPTEL Course Participation Excellence

We are delighted to celebrate a remarkable achievement in our Department of Artificial Intelligence and Data Science, Sri Sairam Engineering College, West Tambaram. Our esteemed faculty member, Dr. Swagata B Sarkar, has been recognized by NPTEL (National Programme on Technology Enhanced Learning) for her exceptional commitment to continuous learning and professional development.

Dr. Sarkar has been featured among the Top Course Takers in the country, having successfully completed an impressive 66 NPTEL courses till date. This outstanding feat reflects her relentless pursuit of academic excellence and dedication to staying updated with the latest advancements in technology and education.

In an official announcement by NPTEL, Dr. Swagata Sarkar was listed alongside other top educators who have shown exemplary enthusiasm in leveraging NPTEL's learning platforms. Among the top achievers, she is the only faculty member representing Sri Sairam Engineering College, which adds to the pride of our institution. Her consistent participation underscores her commitment to lifelong learning and sets an inspiring example for students and fellow faculty alike.

NPTEL, a joint initiative of the IITs and IISc, offers high-quality online courses in various domains. Dr. Sarkar's achievement of completing 66 courses is not merely a personal milestone but a testament to her dedication towards enhancing her expertise, improving teaching methodologies, and contributing to academic excellence within the department.

Through her active involvement with NPTEL, Dr. Sarkar continuously integrates the latest industry trends and technological advancements into her teaching, enriching the learning experience of students. She has been a driving force in motivating students to participate in NPTEL courses, fostering a culture of self-driven learning, certifications, and knowledge expansion.

This recognition reinforces the vision of the Department of Artificial Intelligence and Data Science to be a hub of academic excellence, where both faculty and students strive towards continuous improvement and innovation. Dr. Sarkar's commitment aligns with our department's goal of nurturing industry-ready graduates who are well-versed in emerging technologies.

On behalf of the department, we extend our heartfelt congratulations to Dr. Swagata Sarkar for this prestigious recognition. Her dedication is an inspiration to us all, and we are confident that her efforts will continue to elevate the academic standards of our institution.

Faculty Achievement – Recognition for Excellence in Innovative Project Work

We are proud to share a remarkable achievement from our Department of Artificial Intelligence and Data Science, Sri Sairam Engineering College, West Tambaram. Our esteemed Head of Department, Dr. Swagata Sarkar, has been honored with a prestigious award and a Certificate of Achievement by the Computer Society of India (CSI), Kancheepuram Chapter.

The award recognizes Excellence in Innovative Project Work for the academic year 2024–2025. This accolade was presented in acknowledgment of Dr. Sarkar's outstanding contributions towards fostering innovation, guiding impactful research projects, and inspiring both faculty and students to pursue excellence in the field of Artificial Intelligence and Data Science.

Dr. Swagata Sarkar has been instrumental in nurturing a culture of creativity and problem-solving within our department. Under her leadership, students have been encouraged to work on real-world AI and Data Science applications, participate in hackathons, publish research papers, and develop solutions addressing societal challenges. This award further highlights her commitment to ensuring that the department stays at the forefront of emerging technologies.

Her approach emphasizes hands-on learning, interdisciplinary collaboration, and industry-relevant skills, enabling students to be well-prepared for the rapidly evolving AI landscape. She has consistently motivated teams to take on challenging projects, often pushing the boundaries of innovation and technical excellence.
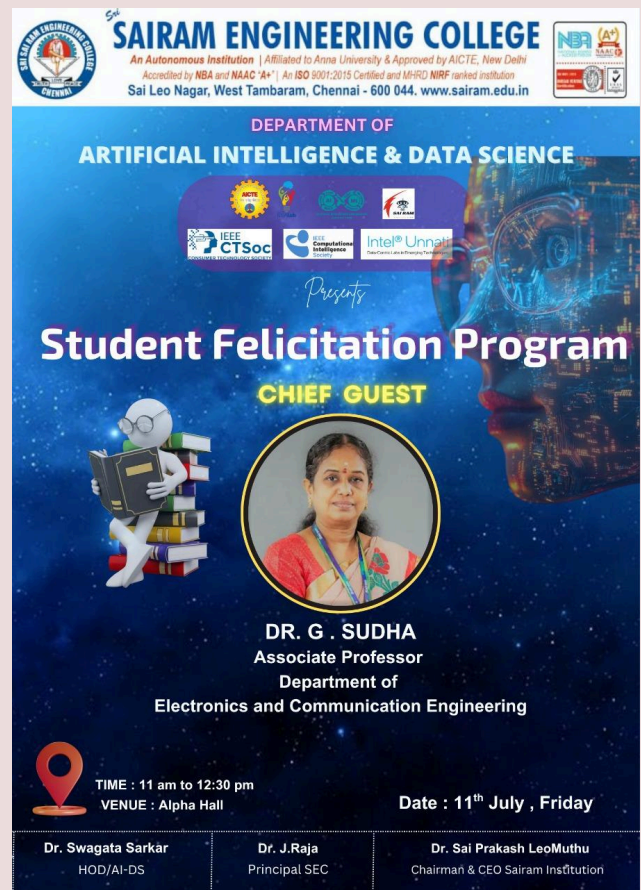
Receiving this award from CSI – a highly respected professional body for computing professionals – is a moment of pride not just for Dr. Sarkar but for the entire department and college community. It reinforces our vision of becoming a center of excellence in Artificial Intelligence and Data Science education.

Sairam Engineering College Hosts Student Felicitation Program By AI-DS Department

The Department of Artificial Intelligence and Data Science at Sri Sairam Engineering College proudly organized a Student Felicitation Program to honor outstanding student achievements in academics, projects, and professional development. The event took place on 11th July (Friday) at Alpha Hall from 11:00 AM to 12:30 PM, drawing enthusiastic participation from students and faculty.

Dr. G. Sudha, Associate Professor from the Department of Electronics and Communication Engineering, graced the occasion as the Chief Guest. She shared insightful words on the importance of consistent effort, interdisciplinary learning, and the role of AI in modern engineering applications, inspiring students to aim higher in their academic and career pursuits.

The program highlighted the Department's commitment to nurturing talent, in association with reputed organizations such as IEEE CTSoc, IEEE Computational Intelligence Society, and Intel Unnati. Students were recognized for their excellence in various domains, reflecting the vibrant academic culture of the institution.

The event was presided over by Dr. Swagata Sarkar, Head of the AI&DS Department, and witnessed the presence of Dr. J. Raja, Principal of SEC, along with Dr. Sai Prakash Leo Muthu, Chairman & CEO of Sairam Institutions. The event concluded on a high note, celebrating dedication, knowledge, and innovation.

Sri Sairam Engineering College Student Wins First Prize in Japanese Speech Contest

Chennai, February 2025 – In a remarkable achievement, Ms. Karanam Poorna Siri, a student from the Artificial Intelligence and Data Science (AI&DS) Department at Sri Sairam Engineering College, secured the First Prize in the senior category of the "Talk Your Way to Japan" speech contest held on 9th February 2025.

Organized by the ABK-AOTS DOSOKAI Tamilnadu Centre, Chennai, in collaboration with Enishi Nihongo Gakkou, this prestigious competition aims to promote the Japanese language and foster Indo-Japanese cultural exchange. Ms. Poorna Siri, representing the Tambaram Chapter, delivered an impressive speech entirely in Japanese, winning the hearts of judges and audience alike with her fluency, content, and confidence.

Her achievement highlights the growing interest in global languages and cultural understanding among engineering students. Sri Sairam Engineering College takes immense pride in her accomplishment, which not only reflects her personal dedication but also the institution's emphasis on holistic and international learning.

As ABK-AOTS DOSOKAI celebrates its Golden Jubilee, Ms. Poorna Siri's win stands as a shining example of how young Indian talents are bridging cultures through language and innovation.

Proud Placement Achievement – AI & DS Students Shine with 14 LPA Package

The Department of Artificial Intelligence and Data Science, Sri Sairam Engineering College, is delighted to share a moment of immense pride and joy. Four of our talented students from the 2026 graduating batch have secured an outstanding placement with Essense Labs, earning an impressive package of 14 LPA.
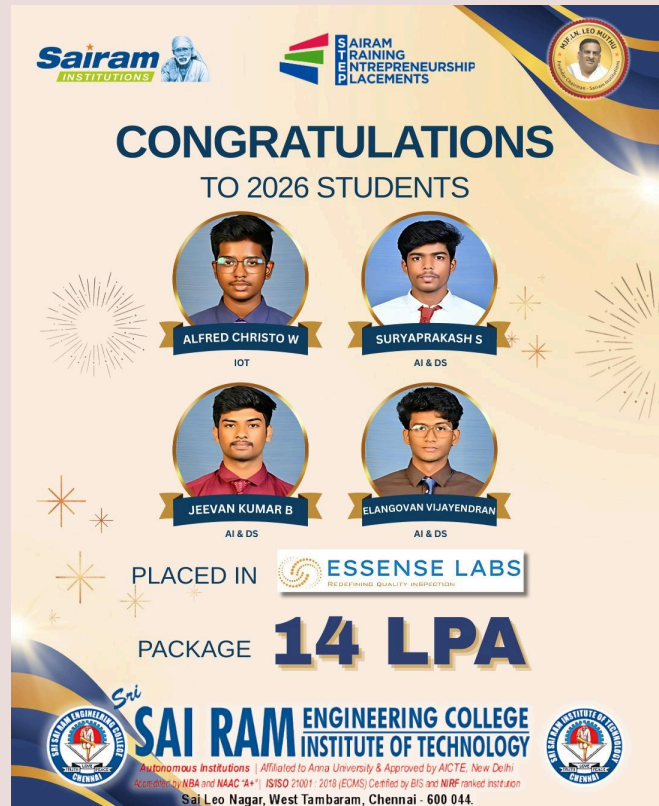
Our heartfelt congratulations go to:

Suryaprakash S – AI & DS

Jeevan Kumar B – AI & DS

Elangovan Vijayendran – AI & DS

Alfred Christo W – IoT

This remarkable achievement highlights the dedication, technical expertise, and problem-solving skills nurtured in our department. The AI & DS curriculum at Sri Sairam Engineering College emphasizes a blend of core AI concepts, data-driven problem solving, industry-oriented training, and hands-on project experience, ensuring our students are well-prepared for top-tier roles in the tech industry.

The rigorous training offered through Sairam Training, Entrepreneurship & Placements (STEP), combined with our department's focus on industry collaborations, has played a key role in enabling students to secure such prestigious opportunities.

Essense Labs, known for its cutting-edge work in technological innovation, offers our students a platform to contribute to high-impact projects and gain invaluable exposure to the latest advancements in AI and emerging technologies.

This achievement serves as an inspiration for our juniors, showcasing the rewards of perseverance, continuous learning, and active participation in skill-building programs.

We congratulate our placed students once again for making the Department of Artificial Intelligence and Data Science proud. Their success stands as a testament to the hard work of our faculty, training teams, and the unwavering commitment of our students to excel in their chosen fields.

Sairam Engineering College Students Shine at Urban Vision Hackathon Hosted by IISc

Students from Sri Sairam Engineering College have brought laurels to their institution by emerging as winners in the prestigious Urban Vision Hackathon, hosted by the Indian Institute of Science (IISc), Bangalore, and powered by Capital One. The event aimed to foster innovative and tech-driven solutions for urban challenges through data-driven insights and interdisciplinary thinking.

The team from the Department of Artificial Intelligence and Data Science showcased exceptional innovation and problem-solving skills during the final phase of the competition. Competing against top talents from institutions across the country, their project stood out for its practical relevance, technical execution, and potential societal impact.
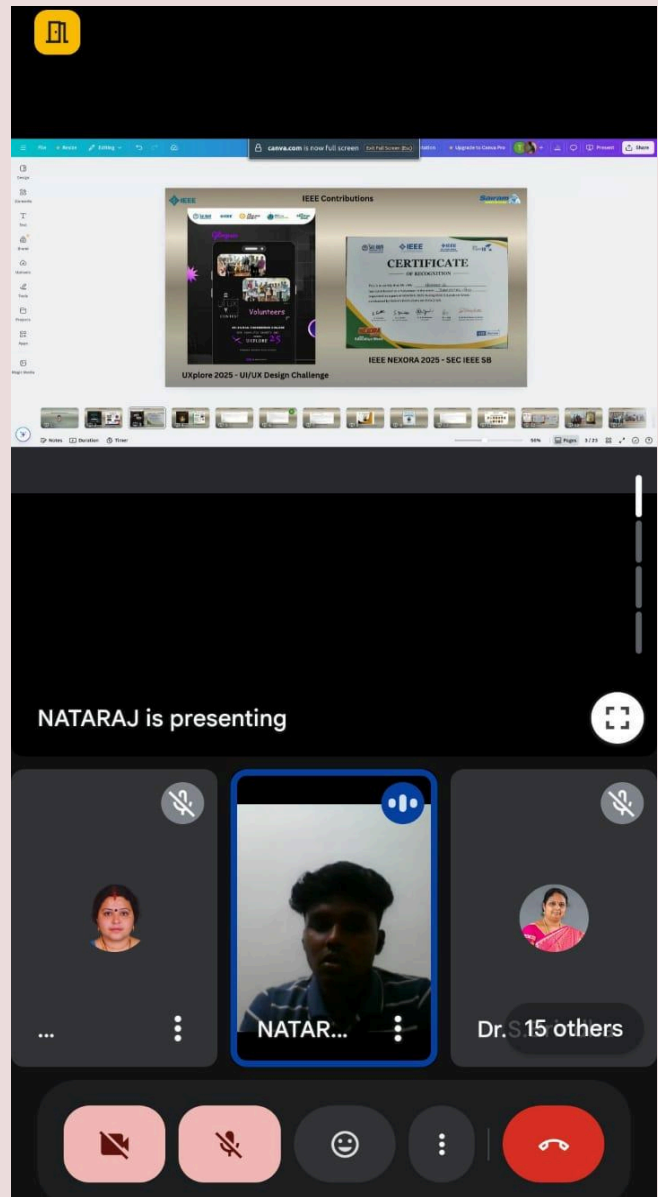
As a mark of recognition, the winning students were awarded certificates and accolades by the organizers during a grand felicitation ceremony held at the IISc premises. The panel of judges and experts lauded the team's approach to real-world urban issues using AI and data-centric methods.

This remarkable achievement not only highlights the technical prowess of Sairam students but also reflects the academic rigor and support provided by the institution. The college management, faculty, and peers extended their heartfelt congratulations, encouraging the students to scale greater heights in the field of innovation and research.

IEEE Student Presentation Showcases Innovation and Recognition at Sri Sairam Engineering College

In a vibrant display of student talent and technical involvement, the students of Sri Sairam Engineering College showcased their IEEE contributions during a recent virtual presentation session. The session featured an overview of student-led participation in esteemed events such as UXplore 2025 – UI/UX Design Challenge and IEEE NEXORA 2025, where the students earned recognition for their creativity, leadership, and collaboration.

The presentation was led by student representative Nataraj, who confidently highlighted the team's efforts and achievements in front of peers and faculty members, including Dr. Swagata Sarkar, Head of the Department of Artificial Intelligence and Data Science. The session was well-attended by over 15 participants, including academic mentors and fellow students.

The IEEE NEXORA 2025 event, organized under SEC IEEE SB, awarded students with certificates of recognition for their active contributions, underscoring the college's emphasis on professional development through technical societies. Events like UXplore provided students with real-time challenges in UI/UX design, encouraging innovative thinking aligned with industry standards.

The college continues to support student excellence through global platforms like IEEE, empowering students to gain exposure, network, and grow as future-ready professionals in AI and emerging technologies.

Dr. Swagata Sarkar Recognized for Mentorship in IEEE EMBS Student Internship Program 2025

Chennai, July 2025 – Dr. Swagata Sarkar, esteemed Head of the Artificial Intelligence and Data Science Department at Sri Sairam Engineering College, has been honored with a Certificate of Appreciation by the IEEE EMBS Pune Chapter for her exceptional mentorship in the IEEE EMBS Student Internship Program 2025, held from 15th June to 15th July 2025.

IEEE EMBS Pune Chapter — **IEEE Pune Section**

Ref.: IEEE/EMBS/PC/Mentor/024

Date: 25th July, 2025

CERTIFICATE OF APPRECIATION

IEEE EMBS Student Internship Program 2025
(15th June, 2025 to 15th July, 2025)

This certificate is proudly presented to **Dr. Swagata Sarkar** in recognition of your valuable mentorship, guidance, and dedicated support towards the successful completion of the **IEEE EMBS Student Internship Program 2025**, organized by the **IEEE EMBS Pune Chapter**.

Your contribution played a crucial role in shaping the interns' learning experience and empowering them in the fields of biomedical engineering and healthcare innovation. We deeply appreciate your time, knowledge and commitment to this initiative.

Dr. Reena Pagare
Chair - IEEE EMBS Pune Chapter

Dr. Amar Buchade
Chair - IEEE Pune Section

Organized by the IEEE Engineering in Medicine and Biology Society (EMBS), the internship program focused on biomedical engineering and healthcare innovation. Dr. Sarkar's contributions significantly shaped the learning experience of participating interns by providing them with guidance, technical support, and valuable insights in the fields of biomedical research and AI integration in healthcare.

The IEEE EMBS Pune Section acknowledged her dedication, knowledge sharing, and active involvement, which empowered students to explore innovative solutions to real-world healthcare challenges. Dr. Sarkar's involvement reinforced the critical role of academic mentors in bridging the gap between theoretical learning and practical application.

AI & DS Department HOD Speaks at DeepTech Innovation Summit

The Department of Artificial Intelligence and Data Science, Sri Sairam Engineering College, is proud to announce that our Head of Department, Dr. Swagata Sarkar, was invited as an Expert Speaker at the prestigious Ignite Innovation – A DeepTech Innovation & Growth Summit, held on 26th July 2025 at IIT Madras Research Park, Chennai.

The summit, curated and hosted by TheDeepTechVerse, brought together visionaries, researchers, entrepreneurs, and industry leaders to discuss the future of Deep Technology and its impact on global challenges.

Dr. Swagata Sarkar delivered an insightful talk on "The DeepTech Frontier: Building What the World Needs Next", highlighting how disruptive technologies such as Artificial Intelligence, Data Science, Machine Learning, and IoT are shaping the industries of tomorrow. She emphasized the importance of interdisciplinary collaboration, real-world problem-solving, and fostering a culture of innovation among students and researchers.

As Professor and Head of the Department of Artificial Intelligence and Data Science, Dr. Sarkar shared her experiences in driving impactful research and guiding students toward creating sustainable, scalable, and socially beneficial technology solutions. Her address resonated deeply with the audience, inspiring both academia and industry professionals to explore uncharted territories in DeepTech.

The event also provided networking opportunities with leading DeepTech companies, with V-Accel serving as the title sponsor and technology partner. The discussions focused on how India can position itself as a leader in next-generation technologies through academia-industry partnerships.
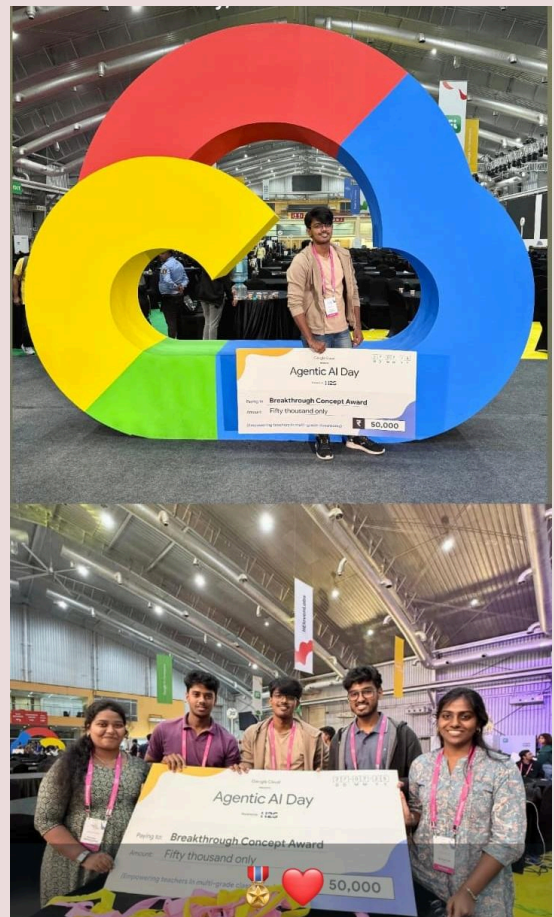
We take immense pride in Dr. Sarkar's participation in this high-profile summit, as it not only enhances the visibility of our department but also reinforces our commitment to being at the forefront of AI & DeepTech education and research.

Student Achievement – Victory at Google Agentic AI Day 2025

We are thrilled to announce a proud moment for the Department of Artificial Intelligence and Data Science, Sri Sairam Engineering College, as our talented students have brought home laurels by winning the prestigious Breakthrough Concept Award at the Google Cloud Agentic AI Day 2025.

Held at the grand Bangalore International Exhibition Centre (BIEC), Agentic AI Day witnessed participation from top tech enthusiasts, innovators, and AI practitioners across the country. Competing against some of the brightest minds, our student team showcased an outstanding project under the theme "Empowering Teachers in Multi-Grade Classrooms using Agentic AI Systems".

Their innovative solution was recognized for its potential to revolutionize classroom learning dynamics by providing personalized AI assistance to teachers handling students of varying grades in a single classroom setting. The project stood out for its unique approach, societal impact, and practical feasibility, earning the team the Breakthrough Concept Award, along with a cash prize of ₹50,000.

Under the expert mentorship of our faculty, the team successfully integrated Google Cloud AI tools to build intelligent workflows that assist teachers in managing diverse student groups, generating adaptive lesson plans, and providing real-time progress insights.

This recognition is a testament to the department's unwavering focus on fostering innovation, problem-solving, and industry-relevant skills among students. Our curriculum encourages participation in such global platforms, where students can apply their AI knowledge to address real-world challenges.

The team's success at Agentic AI Day 2025 not only brings honor to our institution but also reinforces the department's vision of nurturing socially responsible technologists who innovate with purpose.

We extend our heartfelt congratulations to the winning team and their mentors for this incredible achievement. Their dedication and innovative spirit continue to inspire the entire student community to dream bigger, work harder, and make meaningful contributions to society.

We look forward to witnessing many more such triumphs from our students on national and international platforms.

THANK YOU