# ARTIFICIAL INTELLIGENCE

# AND

# DATA SCIENCE

## NEWSLETTER

**September 2023, Volume 2, Issue 9**

## EDITORIAL BOARD

- THIWAKAR S (3RD YEAR)

**FACULTY INCHARGE:** Mr. Muthamil Selvan S

**DEPARTMENT HoD:** Dr. Swagata Sarkar

# Vision / Mission of College

## Vision

To emerge as a "Centre for excellence" offering Technical Education and Research Opportunities of very high standards to students, develop the total personality of the individual, and instil 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.

## Quality Policy

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

# VISION / MISSION OF DEPARTMENT

## Vision

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

## Mission

- To produce students with a sound understanding of the fundamentals of the theory and practise 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 Sai Ram 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 hands with a dedicated team of erudite faculty.

# CHESS ZONALS WINNER – SWETHA BALAJI



Sri Sairam Engineering College is buzzing with pride as Swetha Balaji, a student from the AI-DS department, clinched victory in the Chess Zonal Competition. Her remarkable strategic skills and unyielding determination propelled her to this achievement, showcasing the essence of excellence within our student body. Chess is a true test of mental fortitude, and Swetha's victory underscores her exceptional mental prowess and poise under pressure. This triumph not only celebrates her chess prowess but also serves as an inspiration for her peers to strive for greatness in their chosen fields. Sri Sairam Engineering College congratulates Swetha on this remarkable feat and eagerly anticipates her future successes.

## INTER-COLLEGE EVENT ON LOYOLA-ICAM COLLEGE

In a moment that radiates pride and achievement, four exceptional students from the AI-DS department at Sri Sairam Engineering College, Ashmita, Jyotsna Priva B, Dhakshanaa P, and Yashmika G, have secured the coveted first prize at the prestigious "Chamber

of Clues" inter-college competition, hosted by the Department of Computer Science and Engineering at Loyola-ICAM College.

Their victory is not just a win; it's a testament to their unwavering dedication, sharp problem-solving skills, and remarkable teamwork. The "Chamber of Clues" competition, known for its challenging puzzles and complex problem-solving scenarios, attracted participants from esteemed institutions across the region.

Ashmita, Jyotsna, Dhakshanaa, and Yashmika showcased exceptional prowess in AI and data science, navigating through intricate challenges with finesse and demonstrating their ability to apply theoretical knowledge to real-world situations.



This victory not only brings accolades to the AI-DS department but also reflects the excellence and commitment to learning that Sri Sairam Engineering College instills in its students. It serves as a source of inspiration for budding AI and data science enthusiasts, motivating them to aim for the stars.

The entire Sri Sairam Engineering College community extends hearty congratulations to Ashmita, Jyotsna, Dhakshanaa, and Yashmika for their

remarkable achievement. We look forward to witnessing their continued success and the bright future they carve for themselves and our institution. They are truly the shining stars of our AI-DS department, and we couldn't be prouder.

# Empowering Future Biomedical Engineers: Hands-On Training with Quality Quest Engineers

In a significant stride towards enhancing the practical skills and knowledge of aspiring biomedical engineers, Sri Sairam Engineering College joined hands with the esteemed organization, M/S Quality Quest Engineers, to conduct a hands-on training program on biomedical equipment. The event took place on the 15th of September 2023, and it marked a pivotal moment in the journey of students pursuing this critical field.



The training program provided an invaluable opportunity for students to interact with and operate a wide array of biomedical equipment, ranging from diagnostic devices to life-saving machines. Through a series of comprehensive workshops and practical sessions, participants gained insights into the intricacies of equipment maintenance, calibration, and troubleshooting.

This collaboration not only exposed students to the latest advancements in the biomedical field but also emphasized the significance of precision and accuracy in healthcare technology. It allowed them to bridge the gap

between theoretical knowledge and practical application, equipping them with the skills required to excel in their future careers.

Quality Quest Engineers, with its years of expertise in the biomedical industry, played a pivotal role in imparting this hands-on training, ensuring that students received the highest quality instruction. The event received enthusiastic participation and positive feedback from students and faculty alike.

As the world of healthcare technology continues to evolve, partnerships like these are instrumental in preparing the next generation of biomedical engineers to meet the challenges and opportunities that lie ahead. Sri Sairam Engineering College remains committed to providing such enriching experiences for its students, nurturing their growth and fostering innovation in the field of biomedical engineering.

# Code Elite: Code Like Never Before



The Department of Computer Science and Engineering (CSE), Information Technology (IT), Artificial Intelligence and Data Science (AI-DS), and M.Tech in CSE at Sri Sairam Engineering College came together to host an electrifying online coding event, "Code Elite," on September 14th, 2023. This event was a celebration of innovation, problem-solving, and the extraordinary talent that resides within our institution.

With the tagline "Code Like Never Before," Code Elite aimed to challenge the minds of budding coders and unleash

their programming prowess. Students from various departments and backgrounds eagerly participated, showcasing their coding skills and passion for technology.

Dhinesh Babbu A, a dedicated student representing the AI-DS department, was a standout participant. His coding finesse and problem-solving abilities left a lasting impression on both judges and fellow competitors.

Code Elite wasn't just a competition; it was an opportunity for students to collaborate, learn, and push their coding boundaries. The event's success was a testament to the dedication of the organizing departments and the enthusiasm of the participants.

Sri Sairam Engineering College continues to foster an environment of technological excellence, encouraging students to innovate and excel. Code Elite was yet another milestone in this journey, and it left participants inspired to continue coding like never before.

# Gate Awareness Session at Sri Sairam Engineering College

Sri Sairam Engineering College recently hosted a highly informative Gate Awareness Session, shedding light on the Graduate Aptitude Test in Engineering (GATE). The event aimed to guide and inspire engineering students about the benefits of pursuing this competitive examination.



The session featured seasoned speakers who shared their valuable insights into GATE preparation, its relevance in higher education, and

career opportunities it unlocks. Students were encouraged to explore this path to enhance their academic and professional prospects.

Such initiatives reflect the college's commitment to empowering students with knowledge and options for their future. The Gate Awareness Session served as a crucial stepping stone for aspiring engineers, igniting their ambitions for success.

# Sri Sairam's Startup Investor Summit 2023: AI-DS Department's Innovation Spotlight



Sri Sairam Engineering College, renowned for fostering innovation and entrepreneurial spirit, recently hosted the Startup Investor Summit 2023. This grand event provided a platform for aspiring student entrepreneurs, with a particular focus on projects from the Artificial Intelligence and Data Science (AI-DS) department.

The AI-DS department took center stage, showcasing a diverse array of cutting-edge projects that reflected the department's commitment to pushing the boundaries of technology and innovation. These projects spanned fields such as machine learning, data analysis, and AI applications across various industries.

The summit offered students the unique opportunity to present their innovative ideas and prototypes to a discerning audience of investors,

industry experts, and fellow students. It was a testament to Sri Sairam's dedication to nurturing entrepreneurship and bridging the gap between academia and industry.

The Startup Investor Summit 2023 wasn't just about ideas; it was about turning those ideas into reality. It exemplified the spirit of innovation and collaboration that defines Sri Sairam Engineering College. As the AI-DS department's projects shone at this event, it left an indelible mark, inspiring students to continue pushing the boundaries of technology and entrepreneurship.

This summit not only showcased the potential of Sri Sairam's AI-DS department but also affirmed the college's commitment to empowering students to become the trailblazers of tomorrow's tech-driven world. It was a resounding success, and its impact will undoubtedly resonate for years to come.

# Inspirathon 1.0: Igniting Innovation and Creativity

Sri Sairam Engineering College ushered in a new era of innovation with the grand inauguration of "Inspirathon 1.0." This flagship event, held on a vibrant morning, marked the beginning of a transformative journey,

designed to inspire, challenge, and spark creativity among the college's brilliant minds.

Inspirathon 1.0 is not just an event; it's a movement that encapsulates the college's commitment to fostering innovation and entrepreneurship. The inauguration ceremony witnessed an assembly of distinguished guests, visionary educators, and enthusiastic students, all sharing a common passion for innovation.

The event's opening remarks emphasized the importance of innovation in today's rapidly evolving world. It was a call to action, inviting students to think beyond the ordinary, explore uncharted territories, and turn their ideas into reality. Inspirathon 1.0 serves as a platform where budding innovators can collaborate, exchange ideas, and develop solutions to real-world challenges.

Throughout its duration, Inspirathon 1.0 will feature a range of workshops, seminars, hackathons, and mentorship sessions. These activities aim to nurture the entrepreneurial spirit, ignite curiosity, and empower students to create a positive impact on society.



As the curtains rose on Inspirathon 1.0, it became evident that this event is poised to be a cornerstone in the college's journey towards academic excellence, innovation, and transformative learning. It's not just an event; it's an opportunity for students to unleash their potential, innovate like never before, and embark on a path to shape the future.

# "Best E-Content Developer" Award Recognizes 4th-Year AI-DS Students



In a celebration of creativity and digital innovation, fourth-year students from the Artificial Intelligence and Data Science (AI-DS) department at Sri Sairam Engineering College secured the prestigious "Best E-Content Developer" award. This recognition highlights their exceptional skills in crafting engaging and educational digital content.

These students demonstrated a remarkable blend of technical expertise and creativity, producing e-content that surpassed expectations. Their contributions spanned diverse domains, including interactive learning modules, engaging videos, and informative infographics.

This achievement underscores the AI-DS department's commitment to nurturing well-rounded professionals who excel not only in technical skills but also in communication and presentation abilities. It also reflects the students' dedication to staying at the forefront of the digital learning landscape.
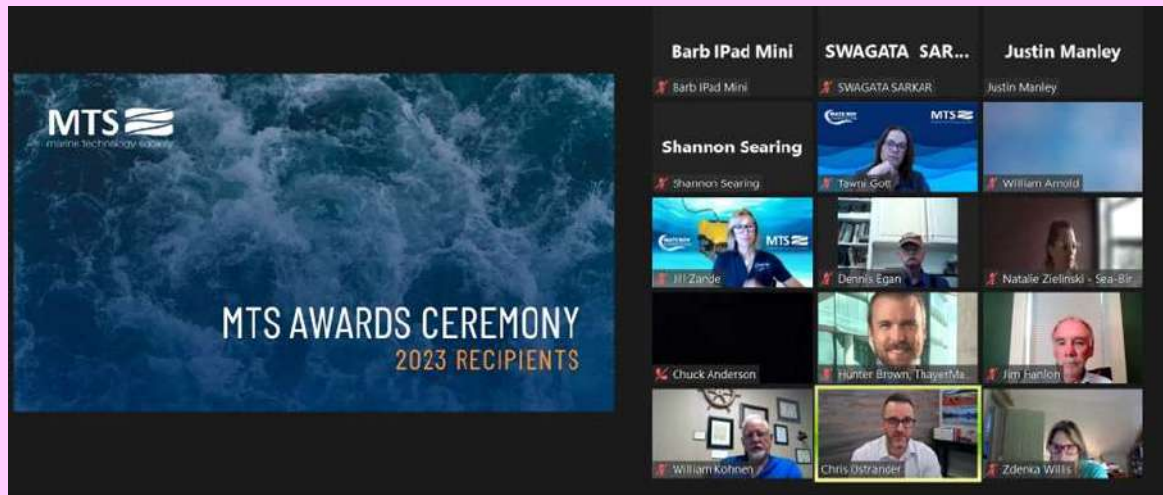
These future leaders are poised to make significant contributions to the ever-evolving field of e-learning. Their award-winning work serves as an inspiration for their peers and a testament to Sri Sairam Engineering College's commitment to fostering excellence.

In a concise nutshell: Fourth-year AI-DS students clinched the "Best E-Content Developer" award, showcasing their blend of technical prowess and creativity, and serving as inspirational figures in the digital learning sphere.
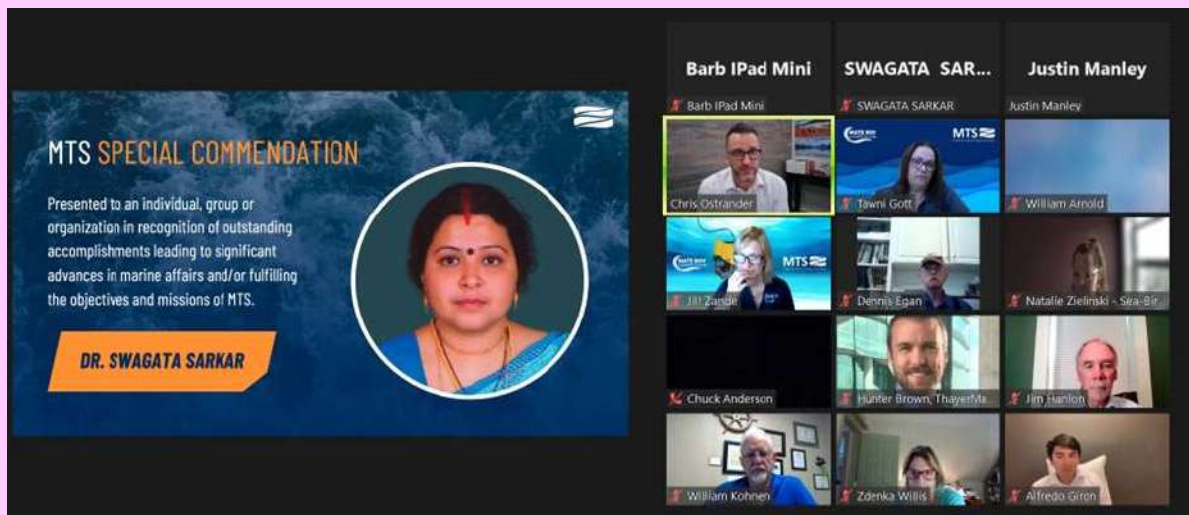
# Celebrating Excellence: Dr. Swagata Sarkar Receives MTS Special Commendation



The recent MTS Awards Ceremony held at Sri Sairam Engineering College was a night to remember, as it celebrated the outstanding achievements and contributions of faculty members and students alike. Among the honored luminaries, Dr. Swagata Sarkar, the esteemed Head of the Artificial Intelligence and Data Science (AI-DS) department, stood tall as she received the MTS Special Commendation.

Dr. Sarkar's recognition was a momentous occasion, as she has been a guiding force in the AI-DS department, inspiring students and colleagues alike with her dedication and expertise. Her tireless efforts in shaping the department's academic rigor and research initiatives have made a significant impact on the institution.

The MTS Special Commendation bestowed upon Dr. Sarkar reflects her exceptional leadership, commitment to education, and her vision for fostering innovation within the AI-DS domain. Her dedication has not only elevated the department but has also contributed to the college's

reputation as a hub of excellence in the field of Artificial Intelligence and Data Science.

As Sri Sairam Engineering College continues to march toward academic excellence and innovation, Dr. Swagata Sarkar's recognition is a reminder of the invaluable contributions of dedicated educators. Her award inspires students and faculty alike to reach for the stars and continue pushing the boundaries of knowledge and achievement.

# Sri Sairam Engineering College Shines at Defence Expo: Innovations Galore



The recently concluded Defence Expo witnessed Sri Sairam Engineering College making waves in the realm of technological innovation. The

college's stall stood out prominently as it showcased an impressive array of cutting-edge projects, captivating the attention of visitors from around the world.

One standout aspect of the exhibition was the active participation of the Artificial Intelligence and Data Science (AI-DS) department, which presented a multitude of innovative solutions and projects. Among the dedicated team members representing the college was Surya Prakash, whose enthusiasm and expertise greatly enriched the experience for visitors.



What made the visit even more special was the presence of the legendary staff member, Jayachandran U, one of the finest educators in the AI-DS department. His guidance and mentorship have been instrumental in nurturing the talents of countless students over the years.

The projects on display at the Sri Sairam Engineering College stall spanned various aspects of defense technology, including AI-powered surveillance systems, data analytics for military applications, and innovative communication solutions. This impressive showcase underscored the college's commitment to fostering innovation and technological advancement.

As Sri Sairam Engineering College continues to push the boundaries of knowledge and innovation, its participation in the Defence Expo serves as a testament to the institution's dedication to excellence. The collaboration of dedicated students like Surya Prakash and the guidance of esteemed educators like Jayachandran U ensure that the college remains at the forefront of technological innovation.

# Skillrack Awareness Program 2023: Empowering Future Technocrats



On the 17th and 18th of August 2023, Sri Sairam Engineering College witnessed an enlightening event that left an indelible mark on the student community—the Skillrack Awareness Program. Organized by a dedicated team comprising Hemanth M, Adhish S, Abhinav, Adarsh V, Dhinesh Babbu, and Shrinithi, this initiative aimed to empower fellow students with valuable coding skills and industry insights.

The event comprised a series of workshops, hands-on coding sessions, and interactive seminars designed to nurture technical proficiency and problem-solving abilities. It provided participants with an excellent opportunity to bridge the gap between theoretical knowledge and practical application in the world of programming.

What set this program apart was the passion and expertise of the organizing team. Their dedication to sharing knowledge and empowering their peers was palpable throughout the sessions. They not only demystified coding but also instilled a sense of enthusiasm for continuous learning and growth.

The Skillrack Awareness Program received overwhelming participation, highlighting the thirst for knowledge among Sri Sairam's student

community. As the event concluded, it left behind a legacy of empowerment and a promise of brighter, more tech-savvy futures for all who attended.

In a rapidly evolving digital landscape, initiatives like these are pivotal in preparing the next generation of technocrats to thrive and lead. Sri Sairam Engineering College is proud of the dedicated efforts of Hemanth M, Adhish S, Abhinav, Adarsh V, Dhinesh Babbu, and Shrinithi in making the Skillrack Awareness Program a resounding success.

# Majula Infotech Placement Awareness Talk: Alumni Inspire Future Leaders

Sri Sairam Engineering College witnessed an insightful and motivating event on the 2nd of September when three illustrious alumni, VM Monish, T Dhanya, and AL Kailash, graced the campus as guest speakers. These former students, who are now thriving as Trainee Software Engineers at Majula Infotech, returned to share their experiences and insights in a Placement Awareness Talk.

The event was an eye-opener for current students who aspire to embark on a similar career path. VM Monish, T Dhanya, and AL Kailash, who once sat in the same classrooms, walked the same corridors, and faced the same challenges, demonstrated that dedication and hard work can transform dreams into reality.

Their journey from being students to successful professionals at Majula Infotech served as an inspiring narrative. They provided valuable guidance on the recruitment process, the skills and attributes sought by leading IT companies, and tips for excelling in technical interviews.

The event was not just about career advice; it was a testament to the college's commitment to nurturing talent and fostering a strong alumni network. It left students feeling motivated and equipped with the knowledge needed to navigate the competitive world of IT placements.

As Sri Sairam Engineering College continues to produce bright minds and future leaders, the Majula Infotech Placement Awareness Talk was a remarkable event that bridged the gap between current students and successful alumni. It showcased the power of education and mentorship in shaping promising careers.

## Intel's 5-Day Faculty Development Program on GPUs Ignites Learning at Sri Sairam Engineering College



Sri Sairam Engineering College recently hosted a dynamic five-day Faculty Development Program in collaboration with Intel, focusing on Graphics Processing Units (GPUs). The program was a transformative experience for educators, equipping them with advanced knowledge and skills in GPU technology. Intel's expertise shone brightly as faculty members immersed themselves in the world of GPUs, gaining insights that will undoubtedly enhance their teaching and research endeavors. This initiative underlines the college's commitment to staying at the forefront of technology and providing its students with a top-notch

education. The Faculty Development Program by Intel was a resounding success, symbolizing the institution's dedication to excellence in education and fostering a culture of lifelong learning among its faculty members.

## Dr. Swagata Sarkar Honoured on Teacher's Day



On this Teacher's Day, Sri Sairam Engineering College proudly celebrated the outstanding contributions of Dr. Swagata Sarkar, the Head of the Artificial Intelligence and Data Science (AI-DS) department. Dr. Sarkar received a well-deserved award in recognition of her exceptional dedication to education and her pivotal role in shaping the future of students in the AI-DS field. Her tireless efforts, mentorship, and commitment to excellence continue to inspire both students and faculty. The award serves as a symbol of gratitude and admiration for her unwavering commitment to nurturing academic excellence. Sri Sairam Engineering College extends heartfelt congratulations to Dr. Swagata Sarkar on this well-earned honor.

# THANK YOU