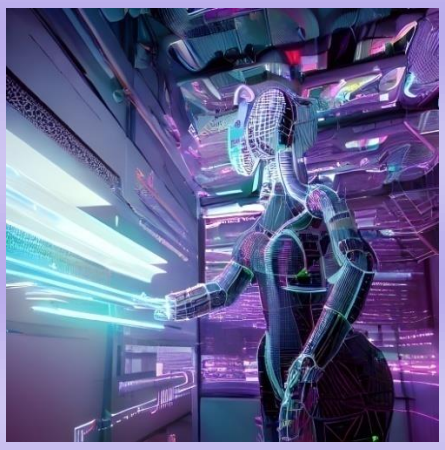
Sri SAI RAM ENGINEERING COLLEGE
West Tambaram, Chennai - 44



# ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

## NEWSLETTER

**Febuary 2023, Volume 3, Issue14**

## EDITORIAL BOARD


- ABUROOBHA A(2ND YEAR)
- HARINI R(2ND YEAR)
- LOGADEEPAK K(2ND YEAR)
- NISHANTH J(2ND YEAR)
- KARTHIK(2ND YEAR)

**FACULTY IN CHARGE:** Mr. Muthamil Selvan S

**DEPARTMENT HoD:** Dr. Swagata Sarkar

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

# Vision/Mission of College

## Vision

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

## Mission

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

## Quality Policy

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

# VISION/MISSION OF DEPARTMENT

Vision

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

Mission

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

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE
& DATA SCIENCE

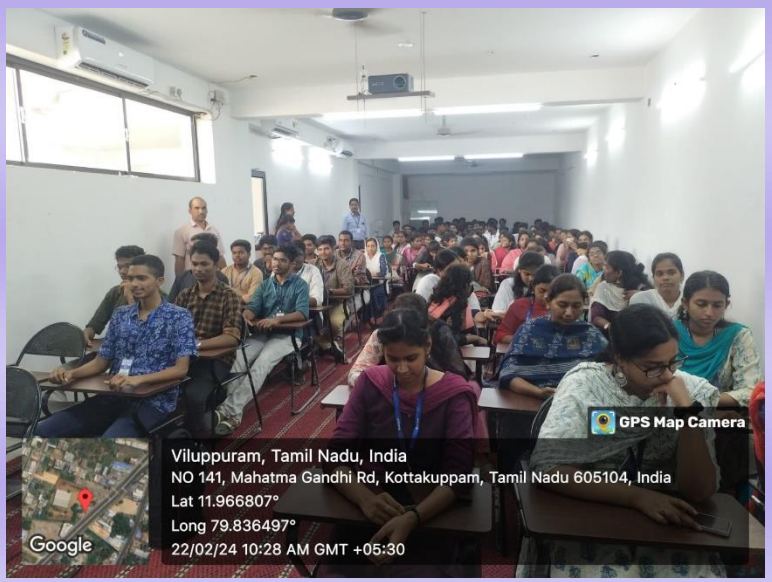
# EPITOME OF OUR MISSION

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

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE
& DATA SCIENCE

# Industrial Visit (IV) at Askan Technologies, Pondicherry: A Gateway to Professional Insight

Industrial visits (IVs) serve as pivotal opportunities for students to bridge the gap between theoretical knowledge and practical application. On the 22nd and 23rd of February 2024, students from the AI & DS 2nd and 3rd year at Askan Technologies in Pondicherry embarked on a transformative journey into the realm of industrial practice.




Accessing an IV involves several key steps. Firstly, coordination with the management of Askan Technologies facilitated the arrangement of the visit. Students liaised with faculty members and administrative staff to secure the necessary permissions and schedule the visit according to mutual convenience.

Preparation played a crucial role in maximizing the learning outcomes of the IV. Prior to the visit, students delved into the background of Askan Technologies, familiarizing themselves with its operations, technologies, and industry relevance. This groundwork ensured active engagement and meaningful interaction during the visit.


The IV itself provided a firsthand glimpse into the inner workings of Askan Technologies. Students witnessed the application of artificial intelligence and data science in real-world scenarios, gaining insights into industry best practices, emerging trends, and technological innovations. Interactions with professionals and experts offered invaluable perspectives, enriching students' understanding and igniting their passion for the field.

Post-visit reflections and debriefing sessions enabled students to consolidate their experiences, connect theoretical concepts with practical realities, and identify avenues for personal and professional growth.

In conclusion, participation in an IV at Askan Technologies in Pondicherry exemplifies the proactive pursuit of knowledge and the cultivation of essential skills vital for success in the dynamic landscape of artificial intelligence and data science. Through meticulous planning, active engagement, and reflective practice, students harness the transformative power of industrial visits to propel themselves towards excellence and innovation.

# World Day Against Child Labour: NSS Pledge

On the occasion of the World Day Against Child Labour, observed on 9th February 2024, the National Service Scheme (NSS) fervently pledged its commitment to combatting the scourge of child labour. Through a series of impactful initiatives, including awareness campaigns, interactive sessions, and collaborative efforts with stakeholders, NSS aimed to raise awareness about the detrimental effects of child labour and mobilize support towards its eradication. The solemn pledge ceremony, online campaign, and educational initiatives underscored NSS's dedication to empowering communities and advocating for the rights and protection of every child.


The outcomes of NSS's endeavors were tangible, as evidenced by the heightened awareness, increased community engagement,

and empowerment of youth to become advocates for change. By amplifying voices, fostering collaboration, and nurturing a generation committed to social justice, NSS's observance of the World Day Against Child Labour exemplifies its unwavering dedication to building a future where every child can thrive, free from exploitation and injustice.

# Visit of Dr. Swagata Sarkar to the Industrial Robotics Lab at Saveetha Engineering College

Dr. Swagata Sarkar, the Head of Department (HOD) of Artificial Intelligence and Data Science, visited the Industrial Robotics Lab at Saveetha Engineering College, Chennai, on February 9th, 2023. The purpose of her visit was to gain insights into the advancements in industrial robotics and automation. During the visit, Dr. Sarkar had the opportunity to tour the lab and engage in discussions with faculty members and researchers regarding ongoing projects and emerging trends in the field. This visit facilitated knowledge sharing and exchange of ideas, contributing to the enhancement of understanding in robotics and its applications.

# Attendance at the International KaniTamil24 Conference by Students of the Artificial Intelligence and Data Science Department


Students from the Artificial Intelligence and Data Science Department had the privilege of attending the International KaniTamil24 Conference organized by the Tamil Nadu government at the Chennai Trade Center from the 8th to the 10th of February 2024. The conference provided an enriching opportunity for students to immerse themselves in discussions surrounding the role of technology in the preservation and promotion of the Tamil language. Key highlights included engaging panel discussions, workshops on Tamil language computing, and cultural performances celebrating Tamil heritage, all of which broadened the students' understanding of the intersection between language, culture, and technology.


Participating in the conference allowed students to gain valuable insights into the challenges and opportunities in leveraging artificial intelligence and data science for the advancement of Tamil language and culture in the digital age. The experience fostered a deeper appreciation for the importance of preserving linguistic diversity and cultural heritage through innovative technological solutions. It is anticipated that the knowledge and perspectives gained from attending the conference will inspire students to contribute meaningfully to the ongoing efforts aimed at the revitalization and digitalization of the Tamil language.

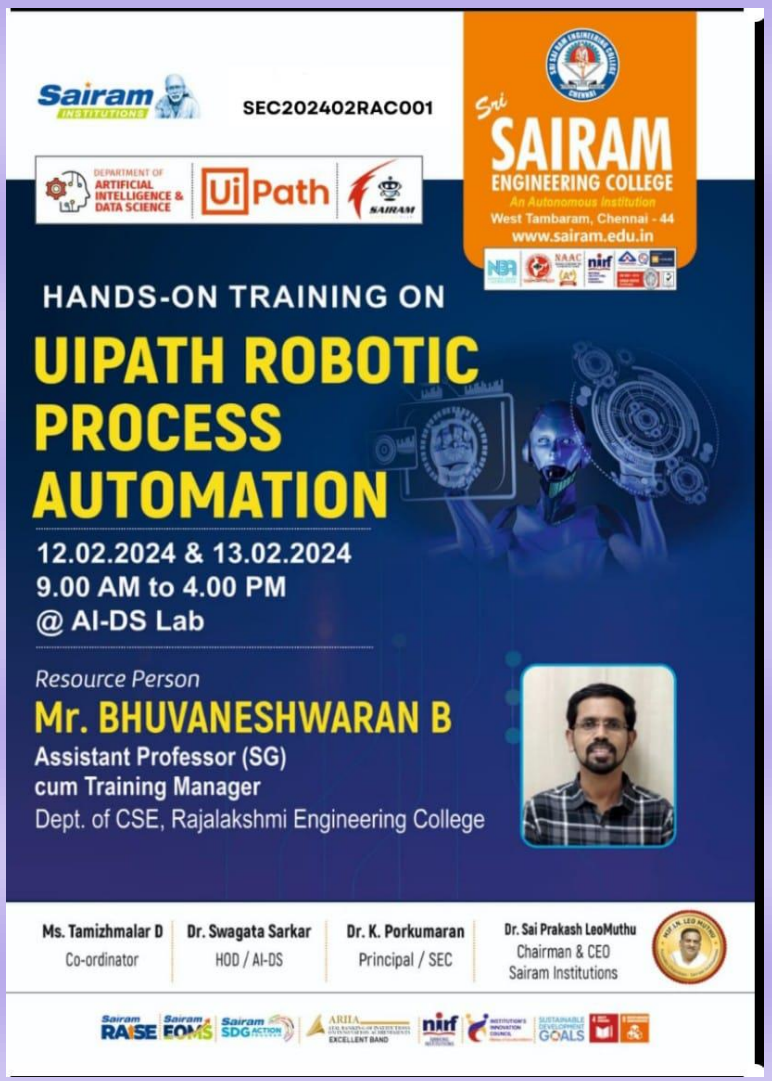
# Data Science Conclave - Illuminating the Future of Innovation


The Data Science Conclave held on February 10, 2024, proved to be a pivotal event in the realm of technological advancements. Dr. Rene Robin, the esteemed Dean of Innovations, graced the occasion with his insightful keynote address, shedding light on the evolving landscape of data science and its profound impact on innovation. His expertise and visionary perspective captivated the audience, fostering a dynamic environment for knowledge exchange and collaboration.

Dr. Swagata Sarkar, the distinguished Head of the Department of Artificial Intelligence and Data Science, played a key role in orchestrating the conclave's success. Under her leadership,

the event showcased cutting-edge research, emerging trends, and real-world applications within the field. The convergence of Dr. Robin's visionary insights and Dr. Sarkar's strategic curation made the Data Science Conclave a beacon for professionals, academics, and enthusiasts alike, fostering a collaborative spirit that will undoubtedly shape the future of data science

# Hands-on Training on UIPATH Robotic Process Automation




The AI-DS Lab witnessed a transformative event on February 12th and 13th, 2024, as the Department of Artificial Intelligence and Data Science collaborated with UiPath to conduct a hands-on training session on Robotic Process Automation (RPA). Under the guidance of Mr. Bhuvaneshwaran B, Assistant Professor (SG) and Training Manager from the Department of Computer Science and Engineering at Rajalakshmi Engineering College, participants delved into the intricacies of UIPATH RPA. The collaboration not only enriched the learning experience

but also highlighted the practical applications of RPA in streamlining processes.

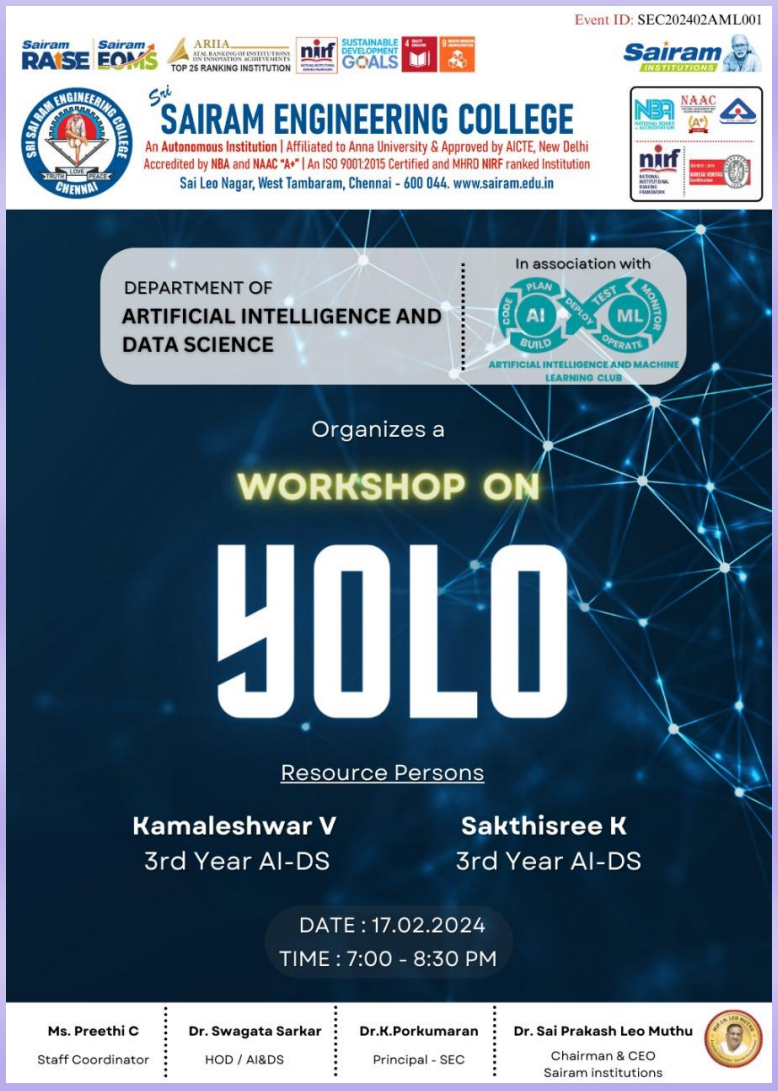
Mr. Bhuvaneshwaran B, serving as the resource person, brought a wealth of knowledge to the training, combining academic expertise with practical insights. The sessions, held over two days, fostered an immersive environment where participants gained hands-on experience in deploying UiPath tools for process automation. The collaborative effort between the academic realm, industry leader UiPath, and the adept training management by Mr. Bhuvaneshwaran B, ensured that attendees left the training with a robust understanding of RPA and its potential impact on diverse sectors.

# Webinar on Opportunities for Higher Studies Abroad: A Collaboration Between AI-DS Department and IEEE CTSoc


On February 16th, 2024, the Department of Artificial Intelligence and Data Science joined forces with the IEEE Consumer Technology Society (CTSoc) to host an insightful webinar. The focus of the session centered on exploring the pivotal role of IEEE in unlocking opportunities for higher studies in foreign universities. Mr. Adithya Subramani S, Engineer Services Operations at Sify Technologies Limited, served as the distinguished speaker, offering valuable insights into leveraging IEEE resources for academic pursuits abroad.

The collaboration proved to be a strategic initiative, bringing together academic excellence and industry perspectives. Attendees gained a comprehensive understanding of how IEEE serves as a gateway to unlock avenues for higher education, with Mr. Adithya Subramani S providing practical advice and firsthand experiences. The webinar not only illuminated the potential for international academic opportunities but also emphasized the importance of industry-academic partnerships in shaping the educational landscape for aspiring students in the field of artificial intelligence and data science.

# YOLO Workshop: A Collaborative Initiative by AI-DS Department and AI/ML Club




In a collaborative effort, the Department of Artificial Intelligence and Data Science, in conjunction with the Artificial Intelligence and Machine Learning Club, hosted a workshop on YOLO (You Only Look Once) on February 17th, 2024. The workshop, spearheaded by Kamaleshwar V and Sakthisree K, both 3rd-year students in the AI&DS program, provided an enriching platform for participants to delve into the intricacies of YOLO, a state-of-the-art object detection system.

Kamaleshwar and Sakthisree, leveraging their expertise and passion for AI, led an engaging session that covered the theoretical foundations and practical applications of YOLO. The workshop not only equipped attendees with hands-on experience in implementing YOLO but also highlighted the collaborative spirit within the AI/ML community at the institute. This initiative stands as a testament to the department's commitment to fostering student-led learning experiences and promoting practical skills in cutting-edge technologies.

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE
& DATA SCIENCE

# College students and Professors engage in Transformative community experience at Paadur Village visit

College students and professors recently visited Paadur Village Panchayat for an insightful community engagement experience. The visit aimed to foster a deeper understanding of rural life, local governance, and community development. Students actively interacted with villagers, gaining practical insights into grassroots issues and sustainable practices. Professors facilitated discussions on bridging academic knowledge with real-world challenges. This hands-on experience not only enriched students' perspectives but also

emphasized the importance of social responsibility in their academic journey. The collaborative effort between students, professors, and the community exemplified the college's commitment to holistic education and community engagement.This sojourn presents an opportunity for students to witness firsthand the challenges faced by the village residents, fostering a deep understanding of socio-economic realities. From engaging with local artisans to participating in community-driven initiatives, the visit encourages a symbiotic exchange of knowledge and skills. As professors guide students through this experiential learning journey, they play a pivotal role in bridging theoretical concepts with practical application, nurturing a holistic educational experience.

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE
& DATA SCIENCE

# Department celebrates students triumph of Standard writing competition winners

Our department takes immense pride in announcing the remarkable achievement of our students in the recent Standard Writing Competition conducted by the Bureau of Indian Standards (BIS). The competition witnessed an impressive display of linguistic prowess and analytical thinking, and our students emerged victorious, showcasing their exceptional writing skills and knowledge of industry standards. Their entries stood out for their clarity, depth, and innovative perspectives, reflecting a thorough understanding of the subject matter.

The success of our students in the BIS writing competition is a testament to the rigorous academic training and mentorship provided by our dedicated faculty. It also underscores the department's commitment to nurturing not only technical expertise but also effective communication skills among our students. Winning this competition is not just an individual achievement but a collective triumph for the entire department, highlighting our commitment to academic excellence and the development of well-rounded professionals.

This accomplishment also serves as motivation for our students to continue honing their writing abilities and staying abreast of industry standards. We look forward to more such achievements that showcase the academic prowess and holistic development of our department's students on both regional and national platforms. Congratulations to our talented writers for bringing honor to the department through their exemplary performance in the BIS Standard Writing Competition.

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE
& DATA SCIENCE

# Shine at Red hat day celebrations


The SSR Hall recently buzzed with enthusiasm as our department students actively participated in the Red Hat Day event, creating an atmosphere of collaboration and learning. The event, dedicated to celebrating the open-source spirit, featured a variety of engaging activities. One highlight was the Quiz on Mentimeter, where students showcased their knowledge and expertise in Red Hat technologies. The competition was fierce, with participants demonstrating not only technical know-how

but also quick thinking and problem-solving skills. It was heartening to witness our students rise to the challenge, showcasing their aptitude for open-source technologies.

The Mentimeter quiz, designed to test their understanding of Red Hat principles and practices, saw many of our students securing top positions and bagging prizes. This success not only reflects their dedication to staying abreast of industry trends but also highlights the effectiveness of our department's educational approach. The event served as a platform for networking, knowledge sharing, and celebrating the vibrant community that revolves around Red Hat technologies. We extend our congratulations to the winners and commend all participants for their active involvement in making the Red Hat Day event a resounding success in SSR Hall.

# AICTE idea lab hosts groundbreaking Laser cutting program hands on

In a pioneering initiative, the AICTE Idea Lab recently hosted a comprehensive Laser Cutting Program that spanned five dynamic days, providing a hands-on and immersive learning experience for participants. The program aimed to equip attendees, including students and enthusiasts, with practical skills and knowledge in the cutting-edge field of laser technology. Participants delved into the intricacies of laser cutting, mastering techniques that ranged from fundamental principles to advanced applications. The AICTE Idea Lab, well-equipped with state-of-the-art facilities, served as an ideal setting for this engaging program.

Expert instructors guided participants through the nuances of laser cutting, fostering a creative and collaborative environment. Attendees had the opportunity to work on real-world projects, allowing them to apply theoretical concepts to practical scenarios. The program's curriculum covered diverse aspects, including material selection, design considerations, and safety protocols associated with laser cutting technology.

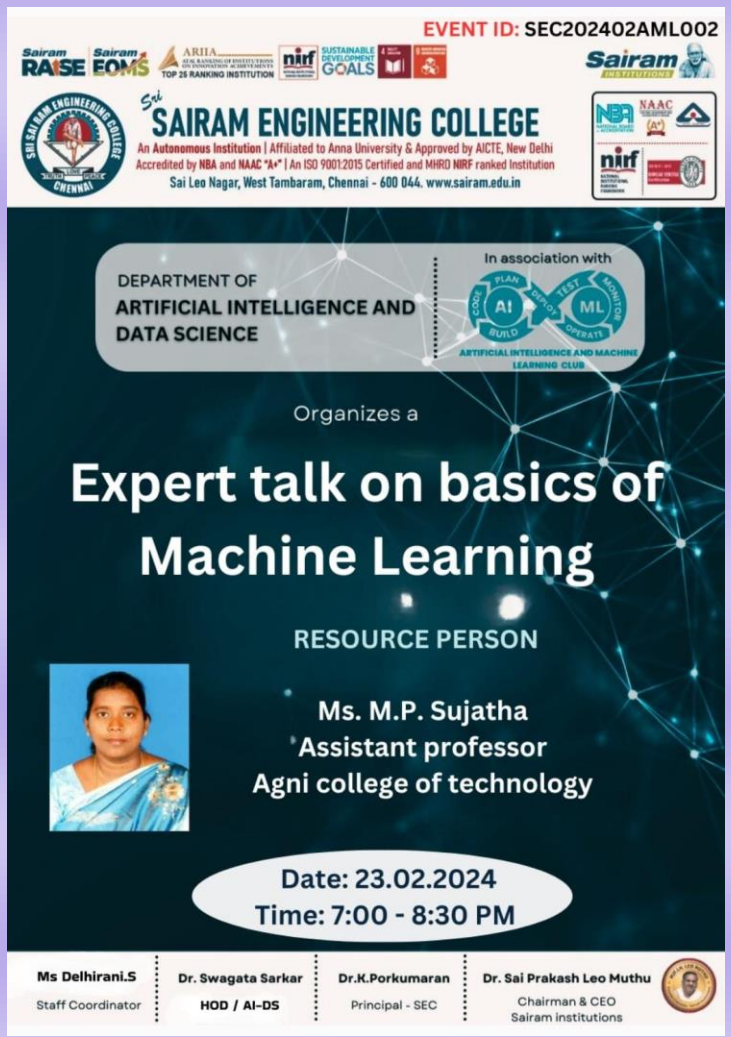
The culminating projects presented by the participants showcased not only their newfound skills but also their innovative thinking and problem-solving capabilities. This Laser Cutting Program, organized by AICTE, not only enriched the skill set of the participants but also contributed to the promotion of cutting-edge technologies in line with the evolving landscape of engineering and design. The success of this program exemplifies AICTE's commitment to fostering hands-on learning experiences and preparing individuals for the challenges of a rapidly advancing technological era.

# Department’s Volleyball team ignite college sports day


The college sports day witnessed an exhilarating display of athleticism as our department's boys and girls passionately engaged in a spirited volleyball match against teams from other departments. The atmosphere was charged with enthusiasm and competitive spirit as players showcased their skills and teamwork on the court. The department's contingent, comprising both male and female participants, demonstrated exceptional sportsmanship, determination, and a profound sense of camaraderie. The matches were intense, featuring thrilling rallies and strategic plays that kept the audience on the edge of their seats.


The boys' team showcased powerful serves, well-coordinated blocks, and agile moves, while the girls exhibited finesse in their spikes and precise setting. The department's players displayed not only physical prowess but also a deep understanding of the game's intricacies. The support from fellow students, faculty, and staff added to the electric atmosphere, creating a memorable sports day experience. The volleyball matches not only served as a platform for healthy competition but also emphasized the importance of teamwork, discipline, and fair play. Our heartfelt congratulations go to the department's boys and girls for their outstanding performance, embodying the college's commitment to holistic development through sports.

# Department hosts insightful ML talk from Agni College of Technology




Our department recently organized an enlightening expert talk on the basics of machine learning, featuring Assistant Professor Dr. Sujatha from Agni College of Technology. The online platform served as a dynamic space for knowledge exchange, attracting a diverse audience eager to delve into the intricacies of machine learning. Dr. Sujatha, an esteemed expert in the field, captivated the participants with her profound insights into the fundamental concepts of machine learning. Her presentation not only covered the theoretical foundations but also delved into

practical applications, providing our students with a holistic understanding of this dynamic discipline.

The virtual setting facilitated engaging discussions, allowing participants to pose questions and benefit from Dr. Sujatha's wealth of experience. The expert talk proved to be a valuable opportunity for our students to gain a solid foundation in machine learning, a technology shaping the future. Dr. Sujatha's ability to simplify complex concepts and relate them to real-world scenarios left a lasting impact, inspiring students to explore further avenues in this rapidly evolving field. We extend our gratitude to Dr. Sujatha for sharing her expertise and contributing to the academic enrichment of our department through this insightful and thought-provoking expert talk.

# One Day Workshop cum Training and Visit to Incubation Centre


On the 1st of February 2024, the Department of Chemistry's R&D Centre, in collaboration with the Intellectual Property Rights Cell and Institutions Innovation Council, organized a stimulating one-day workshop cum training session. This event was a pivotal part of the TNSCST Sponsored National Level Five-Day Faculty Development Program hosted by the IIC of Women's Christian College, Chennai. The workshop garnered enthusiastic participation from various Heads of Departments, including the HoD of Artificial Intelligence and Data Science, Dr Swagata Sarkar. The convergence of minds from diverse domains added richness to the discussions and insights shared during the session.

The primary focus of the workshop was to foster a deeper understanding of intellectual property rights, innovation, and research and development processes. Participants engaged in lively discussions, presentations, and hands-on exercises aimed at honing their skills and knowledge in these critical areas. Furthermore, the event offered a unique opportunity for participants to explore the Incubation Centre, providing them with a glimpse into the world of entrepreneurship and innovation. The visit to the Incubation Centre served as a catalyst for inspiration, igniting a spirit of innovation and entrepreneurial thinking among the attendees.

Throughout the day, participants were encouraged to actively collaborate, exchange ideas, and explore potential avenues for interdisciplinary research and innovation. The workshop not only enriched the participants' understanding of intellectual property and innovation but also fostered a sense of camaraderie and collaboration among the academic community. As we reflect on the success of the workshop, we extend our heartfelt gratitude to all the participants, facilitators, and organizers for their unwavering commitment and enthusiasm. The event stands as a testament to our collective dedication to advancing knowledge, fostering innovation, and shaping the future of research and development in our academic community.

# Team 'Weightron' from AI-DS Secures 1st Place at IEEE Council Hack 2.0

In a remarkable display of innovation and skill, Team 'Weightron', led by Srinivasan N, a 3rd-year student from the Artificial Intelligence and Data Science (AI-DS) program, clinched the top spot at the IEEE Council Hack 2.0. The hackathon, held under the theme of 'Innovation in Transportation', showcased the team's ingenuity and problem-solving abilities.

The competition, hosted by the IEEE Council, brought together aspiring technologists and innovators to tackle pressing challenges in transportation systems. Among the myriad of competing teams, 'Weightron' distinguished themselves with their cutting-edge solution and unwavering determination. The winning project devised by 'Weightron'

revolutionizes the conventional approach to transportation logistics. Leveraging advanced AI algorithms and data science techniques, the team developed a comprehensive system for optimizing cargo transportation, enhancing efficiency, and minimizing environmental impact. Srinivasan N, the driving force behind 'Weightron', demonstrated exceptional leadership and technical prowess throughout the competition. His vision and strategic thinking propelled the team towards success, inspiring peers and mentors alike.

Reflecting on their victory, Srinivasan N expressed gratitude to his teammates and acknowledged the collaborative effort that fueled their triumph. He emphasized the significance of interdisciplinary collaboration and innovation in addressing contemporary transportation challenges. The achievement of Team 'Weightron' underscores the transformative potential of technology in reshaping the future of transportation. Their groundbreaking solution not only earned them the coveted 1st place but also reaffirmed their commitment to driving positive change in the world. As they bask in the glory of their victory, Team 'Weightron' remains steadfast in their pursuit of excellence, poised to continue pushing the boundaries of innovation in the ever-evolving landscape of transportation technology. Their triumph serves as an inspiration to aspiring innovators and a testament to the power of perseverance and creativity in solving real-world problems.

# Artificial Intelligence and Data Science Department Engages in UBA Activity: A Collaborative Endeavor

In a dynamic display of community engagement and collaboration, the Department of Artificial Intelligence and Data Science (AI-DS) recently participated in a transformative UBA (Unnat Bharat Abhiyan) activity. Hosted under the auspices of the UBA initiative, the event brought together students, faculty, and community stakeholders to foster sustainable development and social progress. Tamil Malar, a prominent media outlet, lent its support and coverage to this significant endeavor, amplifying the impact of the department's outreach efforts.

The UBA activity, spearheaded by the AI-DS department, exemplified its

commitment to leveraging cutting-edge technology and data-driven insights to address societal challenges. Under the visionary leadership of faculty members and enthusiastic participation from students, the department embarked on a multifaceted approach to community development. Through a series of workshops, seminars, and hands-on projects, participants collaborated with local communities to identify needs, co-create solutions, and implement initiatives aimed at enhancing quality of life and fostering inclusive growth. From empowering rural entrepreneurs with digital literacy to deploying AI-driven solutions for agricultural productivity, the department's initiatives resonated with the ethos of UBA, which emphasizes the holistic development of rural India.

Ms. Tamil Malar's presence at the UBA activity underscored the importance of media support in amplifying the voices and initiatives driving positive change in society. The media outlet's coverage not only highlighted the department's endeavors but also served as a catalyst for broader community engagement and awareness. Reflecting on the event, faculty members and students expressed profound satisfaction at the impact generated through their collective efforts. They emphasized the transformative power of collaboration and innovation in addressing societal challenges and underscored their commitment to continued engagement with the UBA

initiative. As the AI-DS department charts its course forward, it remains steadfast in its dedication to harnessing the potential of artificial intelligence and data science for the greater good. The UBA activity stands as a testament to the department's unwavering commitment to social responsibility and its pivotal role in driving meaningful change in communities across the nation.

# Artificial Intelligence and Data Science Department Explores Innovation at Tidel Park: Industrial Visit Unveils Opportunities


In a quest to immerse themselves in the forefront of technological innovation, the Department of Artificial Intelligence and Data Science (AI-DS) recently embarked on a transformative industrial visit to Tidel Park, Chennai. Led by esteemed staff members Mr. Muthamil Selvan and Mr. Sivamurugan, the visit provided students with invaluable insights into the dynamic landscape of technology and entrepreneurship.

Tidel Park, a renowned IT park in Chennai, stands as a beacon of innovation and excellence in the realm of information technology. Serving as a hub for leading technology

companies and startups, the park embodies the spirit of collaboration and creativity that defines the digital age. The industrial visit offered students a firsthand glimpse into the inner workings of Tidel Park, providing them with a comprehensive understanding of its role in shaping the future of technology. From state-of-the-art infrastructure to cutting-edge research facilities, participants were immersed in an environment brimming with possibilities and opportunities. Muthamil Selvan and Sivamurugan, seasoned mentors and guides, facilitated engaging discussions and interactive sessions throughout the visit. They encouraged students to explore various avenues for innovation and entrepreneurship, inspiring them to leverage their skills and knowledge to drive positive change in the industry.

The visit also included insightful interactions with industry experts and thought leaders, who shared their experiences and perspectives on emerging trends and technologies. Students had the opportunity to engage in meaningful dialogue, gaining valuable insights into the real-world applications of artificial intelligence and data science. Reflecting on the experience, participants expressed profound appreciation for the opportunity to witness firsthand the convergence of technology and innovation at Tidel Park. They highlighted the importance of industrial visits in bridging the

gap between academia and industry, paving the way for meaningful collaborations and career opportunities.

As the AI-DS department continues its journey of exploration and discovery, the industrial visit to Tidel Park serves as a testament to its commitment to fostering excellence and innovation in the field of technology. With inspired minds and boundless potential, students are poised to make a significant impact in the ever-evolving landscape of artificial intelligence and data science.

# Expert Talk on Natural Language Processing in Indian Legal System Enlightens AI-DS Students

The Department of Artificial Intelligence and Data Science (AI-DS), in collaboration with the Artificial Intelligence and Machine Learning Club, hosted a captivating expert talk event on the intricate realm of Natural Language Processing (NLP) in the Indian legal system. Held on the 8th of February 2024 at the Intel Lab, A Block 1st Floor, the event attracted a keen audience of students and faculty eager to delve into the intersection of law and technology.



Distinguished resource persons Dr. J. Priyadarshini, Professor at VIT Chennai, and Mr. A. Mahindra Nizanth, Assistant Vice President (Tech Services Lead) at BACI Pvt. Ltd, lent their expertise and insights to unravel the complexities of NLP and its applications within the legal domain. Dr. Priyadarshini, renowned for her scholarly contributions in the field of artificial intelligence, set the stage by elucidating the fundamental principles and methodologies underpinning NLP. Her illuminating discourse navigated through the nuances of language comprehension, sentiment analysis, and information extraction, offering students a comprehensive understanding of the underlying mechanisms driving NLP advancements.

Mr. A. Mahindra Nizanth, a seasoned industry expert, provided invaluable perspectives on the practical implications of NLP within the Indian legal framework. Drawing from his rich professional experience at BACI Pvt. Ltd., he highlighted the transformative potential of NLP technologies in streamlining legal processes, enhancing document analysis, and facilitating data-driven decision-making. The expert talk event fostered an engaging dialogue between students and experts, igniting a passion for exploration and innovation in the realm of AI-driven legal solutions. Attendees were inspired by the profound impact of NLP technologies in addressing legal challenges and optimizing judicial practices. As the curtains drew close on the event, participants departed with enriched perspectives and newfound enthusiasm to explore the limitless possibilities of NLP in reshaping the Indian legal landscape. The collaboration between the AI-DS department and the AI and Machine Learning Club continues to serve as a catalyst for fostering interdisciplinary learning and driving technological innovation across diverse domains.

# AI-DS Students Engage with Cutting-Edge Medical Imaging Systems at EIE Department Workshop


In a bid to broaden their horizons and explore the intersection of technology and healthcare, students from the Artificial Intelligence and Data Science (AI-DS) department recently participated in an enlightening workshop on Medical Imaging Systems. The event, organized by the Department of Electronics and Instrumentation Engineering (EIE), proved to be a transformative learning experience for the eager participants.

Held under the expert guidance of Dr. T. Sathish Kumar, Associate Professor of the EIE department, the workshop aimed to familiarize students with the intricacies of medical imaging technologies and their applications in clinical practice

and research Dr. Kumar, renowned for his expertise in biomedical instrumentation, delivered an engaging lecture that delved into the principles, modalities, and advancements in medical imaging systems. His comprehensive overview provided students with invaluable insights into the diverse array of imaging techniques, including X-ray, MRI, CT scan, and ultrasound, and their respective diagnostic utilities.

Through interactive discussions and hands-on demonstrations, students gained firsthand exposure to the practical aspects of medical imaging, exploring the nuances of image acquisition, processing, and analysis. Dr. Kumar's adept explanations and real-world examples served to demystify complex concepts, empowering students to grasp the transformative potential of medical imaging technologies in healthcare delivery and disease diagnosis. The workshop also served as a platform for interdisciplinary exchange, fostering collaboration and knowledge-sharing among students from various departments. The participation of AI-DS students underscored the interdisciplinary nature of modern healthcare, highlighting the pivotal role of data science and artificial intelligence in augmenting diagnostic accuracy and patient care.

As the session drew to a close, participants expressed their gratitude for the enriching experience and newfound

understanding of medical imaging systems. They lauded the EIE department for organizing such a valuable initiative and commended Dr. T. Sathish Kumar for his insightful guidance and expertise. Armed with newfound knowledge and inspiration, AI-DS students are poised to leverage their skills and expertise to contribute meaningfully to the burgeoning field of medical imaging and healthcare technology. The workshop stands as a testament to the department's commitment to nurturing well-rounded professionals equipped to address the complex challenges of the modern world.

# THANK YOU