



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(AUTONOMOUS)
REACCREDITED WITH A++ GRADE BY NAAC
COLLEGE WITH POTENTIAL FOR EXCELLENCE, LINGUISTIC MINORITY INSTITUTION,
AFFILIATED TO UNIVERSITY OF MADRAS, ARUMBAKKAM, CHENNAI-600106.



DEPARTMENT OF DATA SCIENCE

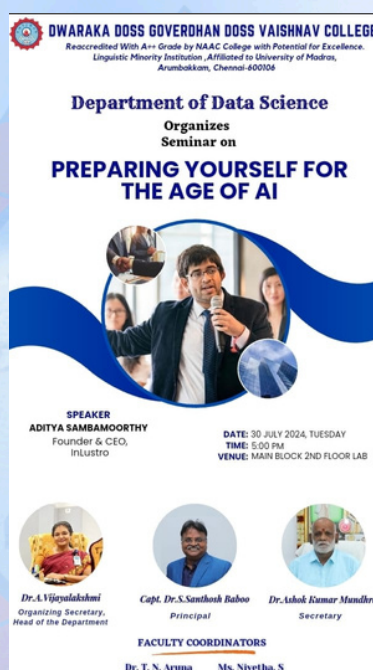


DEPARTMENT ACTIVITIES
2024-2025

1. ORGANIZES A SEMINAR ON PREPARING YOURSELF FOR THE AGE OF AI

SPEAKER:MR.ADITYA SAMBAMOORTHY

As the age of AI continues to unfold, our Data Science Department is committed To prepare for the age of AI, a Data Science Department should prioritize building expertise in core areas essential for success in AI-driven industries. This includes strengthening knowledge in mathematics, statistics, and programming (especially Python and R) as foundational skills. The department must emphasize proficiency in machine learning and deep learning techniques, while also focusing on data engineering practices to handle large-scale datasets. Incorporating ethical AI practices, such as addressing bias and ensuring data privacy, is key. Additionally, adopting automation tools like AutoML, staying updated with emerging AI trends, and fostering continuous learning will keep the department competitive and future-ready.



11-Day International Workshop, bringing together brilliant minds from across the globe. Experience the convergence of diverse perspectives, expertise, and innovation in the dynamic field of Cyber Security. Delve into the mosaic of global intelligence as experts and thought leaders share their insights, strategies, and success stories. Learn from the best in the field and cultivate a deep understanding of the ever-evolving landscape of Cyber Security

2. WORKSHOP ON OPEN EDUCATIONAL RESOURCE ON TEACHING AND LEARNING

SPEAKER: DR. J. ARUMUGAM

The Data Science Department recently conducted a workshop on Open Educational Resources (OER), focusing on their impact on teaching and learning in the field of data science. The session aimed to raise awareness about the advantages of using OER, such as increasing access to educational materials and fostering collaborative learning. Participants explored various OER platforms offering free resources like textbooks, lecture notes, and datasets. Additionally, they learned how to create their own OER content using tools like Jupyter Notebooks and GitHub. The workshop encouraged educators and students to embrace open resources to make learning more inclusive and to contribute to the growing body of accessible knowledge in data science.



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3. WORKSHOP ON CAREER COMPASS

SPEAKER: MR. GOPALAN RAMAN

The Data Science Department organized a workshop titled Career Compass: Guiding Your Path and Evaluating Job Readiness, aimed at helping students assess their preparedness for entering the workforce. The workshop provided valuable insights into key skills required for data science careers, from technical expertise in programming and machine learning to soft skills like communication and teamwork. It also included tips on crafting effective resumes, acing interviews, and navigating job opportunities, ensuring students are equipped to successfully transition from academics to professional roles.



The Data Science Department hosted Career Compass, a workshop aimed at preparing students for successful careers in data science. Experts shared tips on job readiness, building strong resumes, and interview strategies. The session helped participants understand the skills needed to thrive in the industry, offering valuable insights for navigating the data science job market.

4. SECOND INTERNATIONAL CONFERENCE ON CYBER AND INFORMATION SECURITY- 2K24



Cyber & Information Security (ICCIS) - 2024, united in our determination to strengthen our defenses and expand the horizons of knowledge. As we stand on the brink of a transformative era, it is with immense anticipation and excitement that we announce the book launch event, a pivotal moment in this global symposium. The pages of our new publication resonate with the collective expertise and insights of professionals and scholars who have devoted themselves to navigating the complexities of cyber and information security. As we set forth on this intellectual voyage, we warmly invite you to join us in celebrating not just the launch of a book, but the beginning of a shared journey towards a safer, more resilient digital future.



Major General R. Putarjunam, Head of the Army Education Corps, was the distinguished Chief Guest at the 2nd International Conference. His presence brought immense prestige to the event, where experts, educators, and professionals from various fields gathered to exchange knowledge on the latest developments in education and related sectors.

In his address, Major General Putarjunam emphasized the importance of education in shaping society's future, highlighting discipline, innovation, and continuous learning. He stressed the need to adapt to the evolving educational landscape and encouraged collaboration between institutions and industries. His insights and leadership made the conference a memorable and impactful experience.

5. OVERVIEW OF BUSINESS INTELLIGENCE AND VISUALIZATION

SPEAKER:MR. VIVEK SOUNDARAPANDIAN

Mr. Vivek Soundarapandian skillfully guided discussions on the overview of business intelligence and visualization, highlighting the importance of data-driven decision-making and the power of effective visual storytelling. He shared strategies for leveraging business intelligence tools to transform raw data into actionable insights, empowering attendees with practical techniques to enhance data analysis, improve decision-making processes, and drive business success.



6. INDUSTRIAL VISIT

B.Sc Data Science students visited SETS (Society for Electronic Transactions and Security), organized by Skills Da Company, to explore the practical applications of data science in cybersecurity and data security. The visit provided students with insights into the latest advancements in secure electronic transactions and data protection.



They had the opportunity to interact with experts from SETS, learning about the role of data science in securing digital information and enhancing encryption methods. The students gained valuable knowledge about the intersection of data science, AI, and cybersecurity, preparing them for future roles in these rapidly growing fields.



The visit to SETS highlighted how data science plays a crucial role in enhancing cybersecurity, securing electronic transactions, and improving data protection methods. By leveraging AI and machine learning algorithms, data scientists help detect fraud, predict security threats, and develop advanced encryption techniques, ensuring the integrity and safety of digital systems. This knowledge equips students with the skills to tackle challenges in the rapidly evolving fields of data security and cybersecurity.

7.SEMINAR ON INDUSTRY TRENDS IN DATA AND AI

SPEAKER: MS.RUPA M



Industry trends in Data and AI are rapidly transforming how businesses operate. Automation, machine learning, and AI-driven analytics are at the forefront, enabling companies to make data-driven decisions, improve efficiency, and deliver personalized experiences. AI technologies like natural language processing, deep learning, and computer vision are reshaping industries such as healthcare, finance, retail, and manufacturing. Predictive analytics and AI-powered automation are streamlining processes, while advancements in ethical AI and explainable AI are helping ensure responsible implementation. As AI continues to evolve, its role in innovation and problem-solving across sectors is set to expand even further.

8.SEMINAR ON OVERVIEW OF DATA & AI

SPEAKER: MS.BRINDA SERENO C

Data and AI involve the use of advanced algorithms and machine learning techniques to analyze and interpret large volumes of data. This combination enables businesses to automate processes, make data-driven decisions, and deliver personalized experiences. AI technologies like natural language processing, computer vision, and deep learning are being applied across industries such as healthcare, finance, and retail to drive innovation, improve efficiency, and solve complex problems. The integration of data and AI is revolutionizing industries and shaping the future of technology.



9.YOGA & MEDITATION

SPEAKER: MS.TAMIL SELVI R



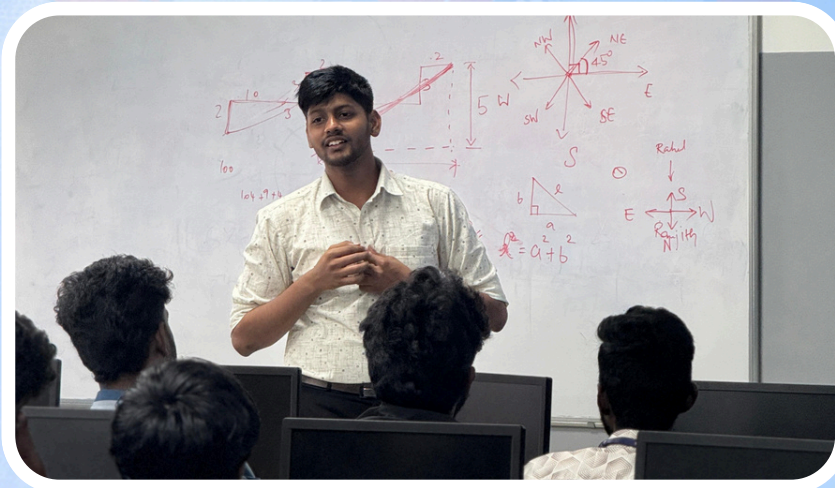
Ms.Tamil Selvi R, a Senior Yoga Trainer and expert in Pranic Healing, recently visited our college to conduct a session for students and faculty. With her deep knowledge in yoga and energy healing, she guided attendees through various techniques aimed at enhancing physical fitness, mental clarity, and emotional well-being. Her insights on Pranic Healing, which focuses on cleansing and energizing the body's energy fields, were particularly enlightening. The session provided valuable tools for managing stress, improving focus, and promoting overall health, leaving everyone feeling rejuvenated and inspired.

10. ENVIRONMENTAL FIELD VISIT



BSc Data Science students visited Farm Guru, Sholavaram, as part of an environmental visit to gain practical insights into sustainable farming practices. The visit focused on understanding how technology and data science are being applied to agriculture, particularly in optimizing crop yields, water usage, and resource management. Students explored various innovative solutions used in modern farming, including data-driven techniques to monitor soil health and improve agricultural efficiency. This visit not only enhanced their understanding of the intersection between data science and environmental sustainability but also inspired them to think about the role of technology in addressing global agricultural challenges.

11. APTITUDE TRAINING



Aptitude training helps improve problem-solving and reasoning skills through practice in math, logic, and verbal tasks. Regular practice and time management are key to success.

12. INTERNSHIP



B.Sc Data Science students recently completed an internship at SkillsDa Company, gaining hands-on experience in data analysis, machine learning, and AI. This opportunity helped them apply theoretical knowledge to real-world projects, enhancing their skills for future careers in data science.

13. MAGNATHON 2K25



B.Sc. Data Science students participated in Magnathon, a marathon event that combined fitness with enthusiasm. The event provided students with an opportunity to engage in physical activity while fostering teamwork and resilience. It was a fun and motivating experience, encouraging students to push their limits and celebrate health and well-being.