

COMPUTER SCIENCE WITH DATA SCIENCE



OVERVIEW

The Department of Computer Science with data science aims to equip students with technical skills to process and draw conclusions from data and train them to apply their conclusions to real-world challenges. The highly competent program will prepare students to draw sound conclusions from data in context, using knowledge of statistical inference, computational processes, data management strategies, domain knowledge, and theory required for a wide range of industries ranging from healthcare, finance, marketing, human resources, government policies, social media, and more.

VISION

To build a strong research and teaching environment that responds swiftly to the challenges of the 21st century.

MISSION

Devise an optimal learning environment to improve creativity, problem-solving abilities, and leadership traits.

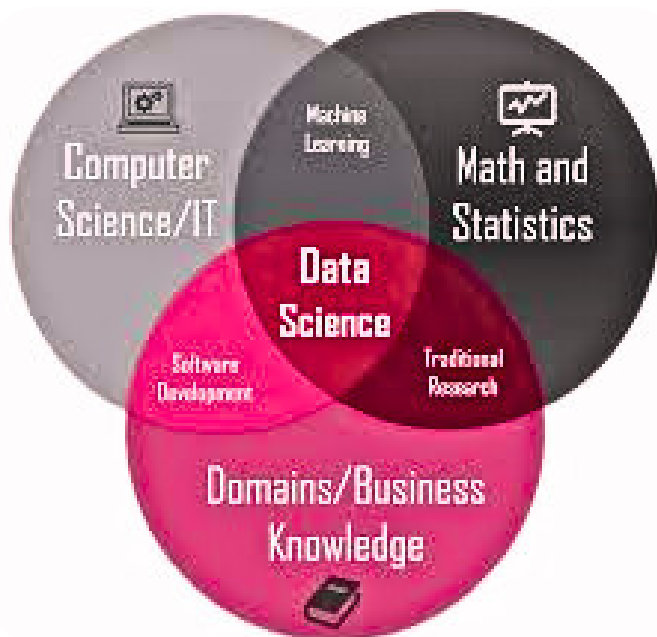


"Coding: The Language of Innovation."



ABOUT US

>>> The Undergraduate (UG) Department of Computer Science with Data Science was established in 2022 with a vision to foster academic excellence, cutting-edge research, and industry-aligned innovation in the rapidly evolving field of data science. The department is committed to building future-ready professionals capable of addressing complex real-world challenges through data-driven solutions.



>>> The department emphasises research-driven education, encouraging students and faculty to engage in high-impact publications, funded projects, and innovative startups. By fostering collaborations with leading research institutions and tech industries, we aim to contribute to groundbreaking advancements in data science while preparing students to harness emerging opportunities in AI, automation, and data analytics.

Why Data Science is important ?

>>> Our rigorous curriculum integrates core computer science principles with advanced data science techniques, covering areas such as machine learning, big data analytics, artificial intelligence, and statistical modeling.



“Decoding Challenges, Building Solutions”



DEPARTMENT ACTIVITIES

SEMINAR



>>> SEMINAR ON "WEB UI/UX DESIGN" 29.07.2024

The industry expert session gave students practical UI/UX skills, insights into industry trends, and career guidance. Through hands-on activities and networking, participants gained real-world knowledge, preparing them for tech and design careers.

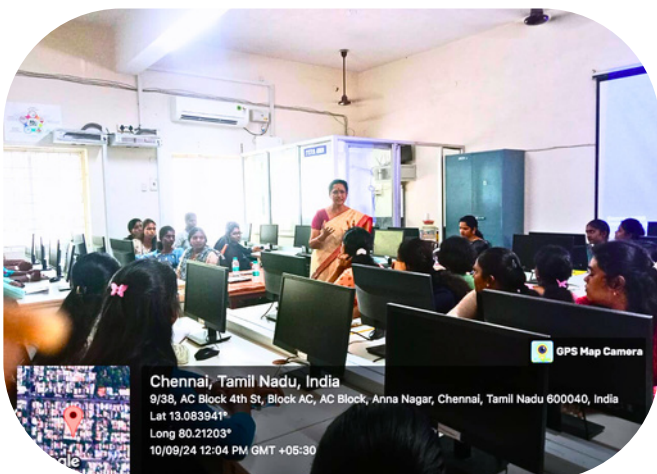
>>> SEMINAR ON "MOTION GRAPHICS" 08.08.2024

The "Motion Graphics" seminar delivered an engaging and insightful session, covering fundamental principles, industry trends, and practical techniques. Participants gained valuable skills and knowledge, enhancing their expertise in the field. The event brought together students, faculty, and industry professionals, fostering networking, collaboration, and a vibrant learning community.



>>> SEMINAR ON "BUILDING A CAREER-READY MINDSET: TIME MANAGEMENT STRATEGIES" 10.09.2024

This seminar highlighted how strategic time management drives professional growth and work-life balance. Attendees gained practical prioritization skills (urgent vs. important tasks) and learnt to structure their time for maximum productivity and career readiness.



"Code to Conquer, Create to Transform."



DEPARTMENT ACTIVITIES

SEMINAR



>>> **SEMINAR ON "DATA PROTECTION"**
28.01.2025

Students gained critical knowledge about common cyber threats like phishing, malware, and identity theft. The seminar focused on practical protection strategies, including identifying suspicious emails, creating strong passwords, and maintaining regular software updates to safeguard against digital risks.

>>> **SEMINAR ON "TIER 1 IT JOBS: DECODING THE RECRUITMENT PROCESS"**
25.02.2025

The speaker decoded top IT companies (Google, Amazon, Microsoft) and their hiring processes, offering practical strategies to stand out. Emphasizing technical+soft skill development, the session provided personalized career advice through interactive Q&A.



>>> **SEMINAR ON "INTELLECTUAL PROPERTY 101: PATENTS Vs COPYRIGHTS"**
27.02.2025

Students gained critical knowledge about common cyber threats like phishing, malware, and identity theft. The seminar focused on practical protection strategies, including identifying suspicious emails, creating strong passwords, and maintaining regular software updates to safeguard against digital risks.



"In a World of Algorithms, Be the Architect."

DEPARTMENT ACTIVITIES

WORKSHOP

>>> 6 DAYS WORKSHOP ON PYTHON PROGRAMMING & DJANGO WEB DEVELOPMENT 24.06.2024 to 28.06.2024



The intensive workshop equipped participants with end-to-end web development skills, progressing from Python fundamentals to Django framework implementation, including HTML integration and database connectivity.

>>> IT CAREER WORKSHOP - "DISCOVER YOUR PATH" 16.08.2024

This career-focused workshop empowered students to make strategic decisions about their IT futures. Participants explored current industry demands, critical skill development, and effective career planning strategies. The interactive session concluded with students demonstrating renewed motivation and clearer professional direction in the technology field.



>>> WIKIDATA 08.03.2025

"Bridging Gender Data Gaps on Wikidata" Workshop - This workshop introduced participants to Wikidata while focusing on addressing gender-related data disparities across Wiki projects. Students learnt to identify local information gaps, particularly concerning women's representation, and acquired practical skills to create and upload relevant content to Wikipedia.



"Code is the poetry of technology."



DEPARTMENT ACTIVITIES

CAREER GUIDANCE PROGRAMME

>>> COMPUTER EDUCATION TODAY AND ITS SCOPE

31.07.2024

This dynamic session explored cutting-edge tech innovations and in-demand digital skills through interactive discussions. Participants examined AI, cloud computing, and data science applications while developing critical thinking and technical competencies for tomorrow's job market. The engaging format allowed students to analyze real-world case studies and network with peers.



>>> DIGITAL MARKETING

09.08.2024

This curriculum equipped students with practical digital marketing knowledge and real-world applications, highlighting current market potential. Participants explored diverse career opportunities through interactive Q&A sessions, gaining industry-relevant insights.



>>> ALUMNAE CHAPTER - WikiForAll

21.10.2024

Through mentorship and networking, students cultivate valuable industry connections for future careers while strengthening critical thinking and decision-making abilities to navigate professional challenges effectively.



"Coding: Where Solutions Meet Challenges."



DEPARTMENT ACTIVITIES

INDUSTRIAL VISIT

>>> BIRLA PLANETARIUM

26.07.2024



The visit enabled students to explore planetary systems through interactive activities and guided tours, enhancing their astronomical understanding and environmental awareness in an engaging way.

>>> IIT MADRAS (OPEN VISIT)

03.01.2025



The visit allowed students to explore IIT Madras labs, where departments like Computer Science (AI), Mechanical (robotics), and others showcased cutting-edge research in their fields.

>>> ANNA CENTENARY LIBRARY

24.01.2025



The visit helped students learn to use library resources, access books and journals, and immerse themselves in knowledge—blending solitude with discovery through reading.

"Innovate with Code, Ignite the Future."



DEPARTMENT ACTIVITIES

COMPETITIONS

>>> **PEACE IS THE BRIDGE TO A BRIGHTER FUTURE**

21.09.2024



The poster competition gave students a hands-on learning experience, allowing them to visually express ideas and spark thoughtful discussions. Beyond judging creativity, it aimed to deepen understanding and critical thinking. The event also highlighted the value of unity in diversity and reinforced the enduring need for peace in our world.

>>> **MorphXBeta25**

06.02.2025



This innovative event encouraged participants to transform e-waste into creative models, blending artistry with sustainability. By repurposing discarded electronics, it raised awareness about responsible disposal while providing a platform to showcase unique creations in a dedicated e-waste art gallery, inspiring both creativity and environmental stewardship.

Coding: The Bridge between Dreams and Reality."



DEPARTMENT ACTIVITIES

CERTIFICATE COURSE



>>> LEARNATHON 2024

01.08.2024 to 31.08.2024

Learnathon provides students with an intensive, immersive platform to rapidly acquire cutting-edge technological skills through self-paced and collaborative learning. By combining hands-on projects with structured modules, it helps participants explore career pathways while developing job-ready competencies. This innovative approach not only accelerates skill development but also fosters problem-solving abilities and teamwork—equipping learners with the tools needed to thrive in tomorrow's digitally-driven workforce.

>>> DATA ANALYSIS USING POWER BI

12.08.2024 to 02.09.2024

AND

06.01.2025 to 03.02.2025

This comprehensive Power BI course guides participants through data integration, transformation using Power Query, and advanced modelling with DAX. Learners master interactive report/dashboard creation while adopting visualisation best practices. By combining technical skills with analytical thinking, the program enables professionals to clean, analyse, and present data effectively—turning raw information into actionable business intelligence. Graduates leave equipped to streamline workflows and support strategic decisions with compelling data storytelling.



Coding: The Fuel of Technological Evolution."



DEPARTMENT ACTIVITIES

COMMON DAY

>>> **A WHITE DOVE WITH AN OLIVE BRANCH FORMATION – “A SYMBOL OF PEACE”**

INTERNATIONAL PEACE DAY 2024

20.09.2024



Marking International Peace Day 2024, the Department of Computer Science & Data Science initiated a powerful demonstration of unity by arranging students into a dove formation - the universal peace symbol. This creative event underscored the importance of diversity and harmony in today's world, serving as a visual reminder of our collective pursuit of global peace.

>>> **DAAN UTSAV**

02.10.2024 to 08.10.2024



The institution celebrated 'Daan Utsav' (Joy of Giving) from October 2nd to 8th with a series of impactful initiatives. The week began with Vidhya Daan (knowledge sharing) on Gandhi Jayanti, followed by Swachh Daan (campus cleanliness drive) on October 3rd. Subsequent days saw Anna Daan (food distribution), Sukha Daan (time volunteering), and Pustak Daan (book donations). The finale included Arogyakaya Daan (yoga sessions for wellness) and Netra Daan (pledges for eye donation), embodying the spirit of selfless service and community upliftment.

“Innovate with Code, Inspire with Imagination.”



DEPARTMENT ACTIVITIES

ORIENTATION

>>> STUDENT INDUCTION PROGRAMME (SIP)

01.08.2024 to 31.08.2024



The Department of Computer Science and Computer Science with Data Science successfully conducted its Student Induction Programme (SIP) to welcome the new batch of students. The week-long program aimed to familiarize freshers with academic expectations, department culture, and campus life. Through interactive sessions, students gained insights into the curriculum, research opportunities, and industry trends. Expert talks, coding workshops, and mentorship activities helped bridge the transition from school to university. Team-building exercises and alumni interactions further motivated students to embark on their academic journey with confidence and enthusiasm. The SIP fostered a sense of belonging while equipping students with the tools to excel in their chosen fields.

>>> STRATEGIES FOR STARTUPS

03.09.2024



The entrepreneurship session equipped students with end-to-end startup knowledge, covering ideation, validation, funding, and scaling. An industry expert outlined the step-by-step process of launching a venture, offering practical guidance on business registration, market strategies, and investor pitching. Students left with clarity on transforming tech ideas into viable businesses and avoiding common entrepreneurial pitfalls.

Code with Passion, Dream with Vision."

