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TECHTIDE



INSIDE THIS ISSUE!

- Exploring the Frontiers of Data, Creativity, and Intelligence
- Unveiling the Future of Artificial Intelligence
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Issue: 2024-25

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DIRECTOR'S MESSAGE

DR. DHIRAJ GUPTA
DIRECTOR

I am pleased to witness the launch of ZERO.ONE, the inaugural magazine of the Department of Design, Data Science, and Cyber Security (DDCS) at GNIOT.

This publication is not just a showcase of departmental achievements — it is a testament to the integration of creativity, computation, and consciousness in today's academic environment. The DDCS department, by merging three future-forward domains, has embodied the interdisciplinary spirit necessary for the next generation of professionals and innovators.

What you will find in this magazine is more than documentation. It is a reflection of evolving mindsets, a signal of the academic culture we are building — one that values experimentation, collaboration, and intellectual curiosity.

I congratulate the editorial team and all contributors on curating this impressive effort. May ZERO.ONE continue to inspire, inform, and grow — just like the students and ideas it represents.



HOD'S MESSAGE

DR. SHIVANI DUBEY
HOD, DDCS DEPT.

It gives me immense pride to introduce ZERO.ONE, the very first departmental magazine from the DDCS Department — a convergence of three transformative fields: Design, Data Science, and Cyber Security.

At DDCS, we believe in nurturing not just technical skill but also critical thinking, creativity, and ethical responsibility. This magazine is a reflection of that belief — a collective expression of our students' voices, ideas, and experiences.

The spirit of ZERO.ONE lies in its name — a beginning. A point of departure for thought, innovation, and storytelling. Within these pages, you will find snapshots of events, insights from young minds, and glimpses into the growing ecosystem we are building here at GNIOT.

I applaud the student editorial team, faculty coordinators, and contributors who came together to make this vision a reality. Let this magazine evolve into a platform where design challenges norms, data drives understanding, and security upholds integrity.

Wishing continued growth, creativity, and collaboration to everyone involved in the ZERO.ONE journey.

ABOUT DDCS



Department of Data Science and Design

The Department of Data Science and Design represents a modern, interdisciplinary academic unit that integrates the analytical power of data science with the creative, human-centered principles of design. In an era driven by data, automation, and digital transformation, the department aims to equip students with the ability to extract meaningful insights from complex data while simultaneously designing intelligent, ethical, and user-focused solutions. The department stands at the intersection of mathematics, statistics, computer science, artificial intelligence, and design thinking, fostering a holistic approach to problem-solving in real-world contexts.

VISION

The vision of the Department of Data Science and Design is to become a center of excellence in data-driven innovation by nurturing professionals who are not only technically proficient but also capable of designing systems that are intuitive, scalable, and socially responsible. The department envisions producing graduates who can leverage data to drive decision-making, innovation, and sustainable development across industries, academia, and research organizations.

MISSION

- To provide strong foundational knowledge in data science, statistics, computation, and design methodologies.
- To promote interdisciplinary learning that blends analytical rigor with creative thinking.
- To encourage ethical, inclusive, and user-centric design practices in data-driven systems.
- To foster research, innovation, and industry collaboration in emerging areas of data science and intelligent system design.
- To prepare students for careers, entrepreneurship, and higher studies in rapidly evolving technological domains.

Department of Design

Department of Design usually means learning how to think before you make things look pretty. The focus is far less on rigid formulas or step-by-step derivations and far more on questioning intent, context, and impact. Instead of being asked “derive this equation,” you’re more likely to be asked “why does this exist, who is it for, who does it exclude, and who is it annoying?”

Design education trains you to observe people, systems, and everyday objects with a critical eye. You learn to identify problems that aren’t always obvious, frame them properly, and then explore multiple ways to solve them. There’s a strong emphasis on process over final output—research, ideation, iteration, testing, failing, and refining again.

Department of Cyber Security

Department of Cyber Security usually means learning how things break before learning how to secure them. The syllabus is less “build this perfect system” and more “assume someone is actively trying to ruin your day.” You’re trained to think like a defender and an attacker, because ignoring either is how breaches happen.

You start with computer networks and operating systems, because you can’t protect what you don’t understand. You learn how data moves, where it pauses, and where it’s most vulnerable. Every “simple” protocol suddenly looks suspicious once you realize how many assumptions it makes.

Department of Data Science

Department of Data Science usually means learning how to extract meaning from chaos before you ever claim to have “insights.” The syllabus is less “just run the code” and more “what does this data actually represent, what’s missing, and why might it be lying to you.”
You spend a lot of time moving between math, code, and real-world messiness—because real data is noisy, biased, incomplete, and stubbornly human. A big part of the training is learning to ask the right questions before touching a dataset, understanding the assumptions behind models, and knowing when a result is statistically impressive but practically useless. It’s not just about building models;



Mission // Vision

To nurture technically competent, innovative, and ethically responsible engineers who possess a strong foundation in science and engineering, the ability to solve real-world problems, adapt to emerging technologies, and contribute meaningfully to industry, research, and society through lifelong learning and leadership.

To nurture technically competent, ethically grounded, and socially responsible engineers who can apply strong fundamentals, critical thinking, and innovation to solve real-world problems, adapt to emerging technologies, and contribute meaningfully to industry, research, and society on a global scale

Our vision is to help shape a future for India that is both comprehensive and harmonious, encompassing the diverse facets that define the life of our country and its people. We aspire to awaken a greater awareness of our cultural and spiritual heritage—strengths that have underpinned our past achievements and will serve as the foundation for future success. We are committed to nurturing an environment of confidence, self-reliance, and unshakable determination, enabling every member of our community to realize their full potential and drive collective progress for a brighter tomorrow.

MoU's

Signed...

CYBERYAAN

ClassAvatar

PINAKI

ClassAvatar

On December 3, 2024, GNIOT's DDCS Department signed an MoU with ClassAvatar to drive next-generation learning and innovation.

Key Achievements:

- Practical, career-focused programs in AI, cybersecurity, and semiconductor design
- Global expert-led faculty training
- Free workshops and seminars on emerging tech



CYBERYAAN (CYTC Security Private Limited)

On December 2, 2024, the Department of Design, Data & Cyber Security at GNIOT Engineering Institute formalized a strategic Memorandum of Understanding with CYBERYAAN (CYTC Security Pvt. Ltd.), Delhi. This alliance is poised to advance cyber security education, research, and awareness both in India and globally.

Key Achievements:

- Launched joint workshops and training on cutting-edge cyber security.
- Initiated collaborative research for critical sectors like finance and healthcare.
- Began co-developing advanced cyber security tools.



MoU's

Signed...

CYBERYAAN

ClassAvatar

PINAKI



PINAKI

On April 29, 2025, the Department of Design, Data Science & Cyber Security at Greater Noida Institute of Technology entered into a strategic MoU with Pinaki IT Consultant Pvt. Ltd., a leading IT solutions provider recognized by the Ministry of MSME.

Key Achievements:

- Industry-oriented training to bridge the skill gap and prepare students for real-world challenges
- Industrial visits, hands-on workshops, and global certifications for enhanced practical learning
- Expert lectures and faculty development programs on emerging technologies
- Expanded internship and placement opportunities through Pinaki's corporate network
- Specialized faculty training aligned with National Occupational Standards
- International exposure via partnerships with global universities and IT companies

This collaboration is set to align academic learning with industry demands and elevate student and faculty readiness for the evolving tech landscape.

CLASSAVATAR CYBERYAAN TRAINING & CONSULTANCY PINAKI IT CONSULTANT PRIVATE LIMITED

GNIOT

GUIDING MINDS



Dr. Shivani Dubey
HOD (DDCS)



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Associate Professor



Dr. Ishrat Ali
Dy-HOD, Assistant Professor



Ms. Tejandra Riya
Assistant Professor



Ms. Yashi Bajpai
Assistant Professor



Ms. Geetanjali
Assistant Professor



Mr. Uma Shanker
Assistant Professor



Mr. Suresh Kumar
Assistant Professor



Mr. Dharmendra Kumar
Assistant Professor



Mr. Mohd Danish
Assistant Professor

DEPARTMENT INITIATIVES

HR CONCLAVE 2025



"Talents Meet Technologies" | 27 March 2025

The intersection of talent and technology took center stage as the DDCS Department hosted the HR Conclave 2025 — a one-day event that gave third-year students a rare peek into the evolving world of Human Resource Management and modern recruitment. Held on March 27th in the Seminar Hall, the conclave brought together distinguished industry leaders, HR professionals, and academic figures for a dynamic mix of motivational addresses, panel discussions, and interactive GD/PI sessions.

The conclave aimed to bridge the gap between academia and industry, offering students first-hand exposure to real-world hiring practices and the strategic role of HR in the age of AI, automation, and sustainable business.

Session Highlights

- Prof. (Dr.) Dheeraj Gupta (Director, GNIOT) set the tone with an empowering opening note on navigating the future of work.
- Dr. Babita G. Kataria (T&P Director) emphasized how tech transformations are reshaping HR functions.
- Prof. (Dr.) Shivani Dubey (HoD-DDCS) spotlighted key themes like HR automation and AI-driven recruitment.



STUDENT ACHIEVEMENTS

	KUSHI RAJPUT WON GOLD AT DISTRICT TAEKWONDO CHAMPIONSHIP
	ANISH STOOD RUNNER UP IN 2025 SPARDHA
	ANAND KUMAR COMPLETED A TRAINNG SESSION OF DBMS
	NITYA KAUL COMPLETED A TRAINING SESSION OF DBMS
	ROHIT KUMAR COMPLETED A TRAINNG SESSION OF DBMS
	DEVANSH MISHRA COMPLETED A TRAINNG SESSION OF DBMS
	PRINCE KUMARCOMPLETED A TRAINNG SESSION OF DBMS
	HIMANSHU RAI COMPLETED A TRAINNG SESSION OF DBMS
	PRAKTEEK LENIN KNOX COMPLETED A TRAINNG SESSION OF DBMS
	ANKIT GUPTA PARTICIPATED A WORKSHOP ON FULL STACK DEVELOPMENT
	YASHI TIWARI PARTICIPATED IN A WORKSHOP ON FULL STACK DEVELOPMENT

PUBLICATIONS

GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engineering Institute) - Department of Design, Data Science & Cyber Security (DDCS) - Research Data (2024-2025)

	TOPIC NAME	AUTHOR NAME
1.	Implementing Machine Learning Techniques for Hair Health Prediction in Follicle Futures	Shashwat Tripathi, Nitin Singh, Divya Vashishtha, Uma Shanker Yadav, Tajendra Riya, Dr. Shivani Dubey
2.	Proposed Approach to Handle Disaster with Twitter Reports by Deep Learning	Ayush, Shakti Shekhar Singh, Mohit kumar Sharma, Tejendra Riya, Uma Shanker Yadav, Dr. Shivani Dubey
3.	Analysis of Data Mining Techniques in Software Engineering Data Base Design	Arpit Gupta, Divesh Singh, Ashish Kumar, Tejendra Riya, Suresh Kumar Tiwari, Dr. Shivani Dubey
4.	Intelligent Analysis Algorithum for Hidden Danger Identification of Intelligent Network Monitoring System	Ishteyaque Ahmad, Gaurav Kumar Singh, Divyanshu Singh, Dharmendra Kumar, Ishrat All, Dr. Shivani Dubey
5.	Fault Diagnosis Algorithum for Power Supply Lightning Protection online Monitoring System	Avinash Maurya, Ayush Nigam, Avnish Kumar, Ayush Pal, Dharmendra, Ishrat All, Dr. Shivani Dubey
6.	Image Compression Using Gentic Algorithum	Ritesh Jadoun, Saumya Ojha, Pranav Dwivedi Uma Shanker Yadav, Ishrat Ali, Dr. Shivani Dubey
7.	Deep Learning Based Frame work for Detecting Malicious Inside the Organization	Krishna Agarwal, Rishabh Sinha, Chetan Sharma, Suresh kumar Tiwari, Uma Shanker Yadav, Sureshwati, Dr. Shivani
8.	Analysis of Behavioral Intension on Startup Business of Mobile Application	Amrit Ranjan Kumar, SiyoRam Yadav, Dr. Sureshwati, Ms. Tajendra Riya
9.	Human Behaviour Recognition in video Surveillance System based on Neural Networks	Kumar Pritam Gaurav, Karan Vishwakarma, Dr. Sureshwati, Ms.Tajendra Riya
10.	Analysis of Key Features of Recommendation to improve bugs Reporting	Ansh Verma, Arman Bisht, Aryan Sharma, Suresh Kumar Tiwari, Dr. Shivani Dubey
11.	Research of Improved Facial Recognition Method Based on CBAM and joint Normalization Techniques	Mehak Garg, Shreya Srivastava, Tejendra Riya, Dr. Shivani Dubey
12.	Building Digital Knowledge System Through Mobile Interface	Girish Yadav, Yashwant Kumar Patel, Prem Raj Suresh Kumar Singh, Geetanjali, Dr. Shivani Dubey
13.	Enhanced Learning Algorithms for Restricted Boltzmann Machines	Md.Salman, Disha Kapasia, Manav Thakur Tejendra Riya, Suresh Kumar, Dr. Shivani Dubey
14.	Secure Digital Identity and privacy Access Digital Sector by Using Block Chain	Vishal Kumar, Manu Pathak, Suraj Kumar, Uma Shanker Yadav, Tejendra Riya, Dr.Shivani Dubey
15.	Proposed System for Industry-Academia Partnerships in Cyber Security	Siddharth Tripathi, Nipun Bhardwaj, Punit Kumar rai, Uma Shanker Yadav, Dharmendra Singh, Dr. Shivani Dubey
16.	Application of Data Mining Technology in Exam Score Analysis	Prajeep Jaiswal, Pal Sudhanshu Jitendra, Suresh Kumar, Geetanjali, Dr. Shivani Dubey
17.	Proposed Method for Real Time Military Air Craft Detection Using YOLOv5	Shivang Bhardwaj, Akshay Singh, Atul pal, Nikhil Bhardwaj, Uma Shanker Yadav, Dharmendra Singh, Prof.(Dr.) Shivani Dubey
18.	Proposed Framework for Validation Requirments Using Semantic and Functional Models	Kashish Rastogi, Chhavi Verma, Arya Gopal Soni, Ishrat Ali, Geetanjall, Dr.Shivani Dubey
19.	Prediction of Water Potability by using Leveraging Machine Learning Techniques	Soumya Prasad, Yash Singh Patel, Aakarsh Dubey, Suresh Kumar, Uma Shanker Yadav
20.	Tsunami Alert and Detection System using IOT	Khushi Rajput, Khushi Singh, Anjali Priya, Dr.Shivani Dubey, Priti Gupta

21. Analysis of Computer Aided Interaction Design Based on Virtual Reality Technology	Anurag Pal, Anish, Ashish Pandey, Tejendra Riya, Suresh Kumar Tiwari, Uma Shanker Yaday
22. Development and Application of Artificial Intelligence Multimedia Technology Based on Big Data	Harsha Raut, Manvendra Kumar, Mohammad Atiyab Saud, Mukund Raj, Geetanjali, Uma Shanker Yadav, Ishrat Ali, Dr.Shivani Dubey
23. Network Secruity Intrusion Detection Methods Combining Optimization Algorithms and neural Network	Abhishek Gupta, Abhishek Kumar, Abhishek Kumar Singh, Uma Shanker Yadav, Ishrat Ali, Dr. Shivani Dubey
24. Enhancing Knowledge in Agile Software Development	Saif Anwar, Mohit, Akhilesh Kumar, Uma Shanker yadav, Geetanjali
25. Analysis and Comparison of Communication Strategy of Guzhengart Based on Artificial Intelligence	Aman Jog, Akash Patel, Akash Dwivedi, Uma Shanker Yadav, Dr.Shivani Dubey
26. Enhancement of Computer Network Communication Security Encryption System Based on Ant Colony Optimization Algorithm	Ankit Gupta, Anand Kumar, Ishrat Ali, Geetanjali, Uma Shanker Yadav
27. Identifying Anomalies in the water Pump System Using Machine Learning and Integrated Ensemble Method	Aditya Vishwakarma, Samarpreet Singh, Sandhu, Ketan Sharma, Ankit Chaurasia, Ishrat Ali, Tejendra Riya, Dr.Shivani Dubey
28. Design an Application of Traffic Sign Recognition Based on CNN Deep Learning Network	Nilesh Kumar Pandey, Nikki Chaudhary, Md.Zaid Arif, Mohd. Ali, Suresh Kumar Tiwari, Dr. Shivani Dubey
29. Enhancement of Sales Forecasting and Prediction with Machine Learning Methods	Harshit Sharma, N Devesh Kumar, S Baskar, Deependra Shukla, Dharmendra Singh, Suresh Kumar Tiwari, Md. Danish
30. A Water Pollution Monitoring System Based on IOT	Amrita Singh, Sonika Kumari, Nikita Khatana, Dr.Shivani Dubey, Dr. Sureshwati

31. An Efficient Machine Learning Classification Model for Rainfall Prediction	Ananya Rai, Anvesha Triapathi, Khushi Rajput, Komal, Dr.Sureshwati, Dr.Shivani Dubey
32. Effectiveness of the Implementation of a Data Mining Algorithm Based Peak Restriction Method	Amit Kumar, Aditya Chauhan, Aman Singh, Ishrat Ali, Geetanjali, Dr. Shivani Dubey
33. Implementation of Cyber Security Architectures Based on Review Analysis	Shreya Kumari, Ishant Jaiswal, Kamil zeya, Anshu Singh, Dharmendra Singh, Suresh Kumar Tiwari
34. An Analysis of Parameters of Convolutional Neural Networks for Fire Detection	Ganesh Singh, Piyush Kumar, Udit Trivedi, Dharmendra Singh, Ishrat Ali, Dr.Shivani Dubey
35. Enhancement of Human Centred AI in Military Cyber Operations	Shubham Kumar Singh, Chetan Chaudhary, Aditya Sharma, Tejendra Riya, Uma Shanker Yadav, Dr. Shivan Dubey
36. Adaptive Change of Intrusion Detection and Prevention System	Nisha Kumari, Jyoti Kumari Jaiswal, Laxmi Singh, Dr.Sureshwati, Dr. Shivani Dubey
37. A Strategic Approach for Digital Transformation in Cyber Warfare for the Indian Military	Aayushman, Aman Singh, Geetanjali, Suresh Kumar Tiwari, Dr.Shivani Dubey
38. Application of Data Mining Technology in Exam Score Analysis	Pradeep Jaiswal, Pal Sudhanshu Jitendra, Pradeep Jaiswal, Suresh Kumar, Geetanjali, Dr.Shivani Dubey
39. Optimizing Network Hopping Through Ant Algorithm Implementation	Krishnakant Kumar, Sadhna Kumari, Saheer Ahmad Khan, Abhishek Kumar Yadav, Dr.Shivani Dubey

Student Articles
& Artwork

This evocative artwork presents a powerful visual meditation on peace, enlightenment, and the connection between the spiritual and natural worlds. The composition is centered on the silhouette of a figure, resembling the Buddha, seated in the traditional lotus position on a tiered dark base. Rendered in absolute black, the figure embodies a state of deep grounding and stillness, representing the void of ego. This darkness is starkly contrasted by a bright, textured sash draped across the figure's back and shoulder. Painted with thick, impasto-like strokes of golden-yellow and orange, this robe catches the eye immediately, symbolizing the warmth and brilliance of spiritual awakening or divinity against the shadow of the physical form.

The background is a dramatic, swirling expanse of blues that creates a mesmerizing vortex effect. The artist utilizes circular brushstrokes that transition from a deep, midnight blue at the outer edges to a luminous, pale white-blue directly behind the figure's head. This gradient acts as a natural halo or a moon, illuminating the silhouette and suggesting that a light of wisdom or cosmic energy is emanating from the meditative state. The dynamic movement of the sky contrasts beautifully with the static, peaceful posture of the subject.



Artwork by
Shreya Kumari

Cyber Security Student



Student Articles
& Artwork

Predictive Analytics: Can We Really See the Future?

-By Aman Singh, Cyber Security Student

What if you could predict tomorrow's weather, your exam score, or whether a product will sell out? Predictive analytics makes this possible—not through magic, but by combining data, math, and machine learning to forecast likely outcomes.

What Is Predictive Analytics?

This branch of data science uses historical data to predict future events. By analyzing patterns with statistical models and algorithms, it works like educated guesswork. For example, Amazon's "Customers also bought" suggestions aren't random—they're based on your past behavior and similarities to other users.

How Does It Work?

1. Data Collection: Gather historical data (sales, clicks, etc.).
2. Data Cleaning: Remove errors to ensure accuracy.
3. Model Training: Algorithms like decision trees or neural networks identify patterns.
4. Predictions: Models forecast outcomes to guide decisions in fields like healthcare, finance, and education.

Real-World Applications

- Netflix: Recommends shows based on your viewing history.
- Banks: Predict loan default risks.
- Food Delivery Apps: Estimate delivery times using traffic and order history.
- Universities: Identify at-risk students for early intervention.

Can It Really Predict the Future?

Predictive analytics offers probabilities, not certainties. For example, it might state a 75% chance of rain tomorrow but can't account for sudden weather shifts. Unforeseen events or human actions always leave room for uncertainty.

Why It Matters

Industries use predictive analytics to make faster, data-driven decisions. For data science students, mastering this skill is like wielding a fact-based crystal ball. While the future remains unpredictable, these tools let us glimpse it with remarkable clarity.

PODH ROPAN



The DDCS Department of GNIOT College of Engineering conducted its Tree Plantation Drive, “Podh-Ropan,” on 6 November 2024, uniting students and faculty in a verdant mission to rejuvenate the campus.

The drive—marked by the enthusiastic participation of over a hundred individuals—saw the plantation of resilient native saplings such as Neem, Peepal, and Banyan, chosen for their ecological merit and climatic suitability. This collaborative endeavour not only enriched the campus ecosystem but also set an inspiring precedent for future green pursuits within and beyond GNIOT.



The Role of data
IN DECISION MAKING



The event illuminated the indispensable journey of data—from its humble collection to its metamorphosis into incisive, actionable insight. Dr. Shivani Jain eloquently underscored how meticulously curated and analyzed data empowers organisations to craft astute strategies, enhance efficiency, and catalyse innovation across sectors.

Data is the lifeblood of modern decision-making. It empowers organizations to understand their environments, identify trends, and make informed choices.

The journey from raw data to actionable insights is a critical part of the modern decision-making process. By systematically collecting, cleaning, analyzing, and visualizing data, organizations can derive valuable insights that lead to better strategies, improved performance, and ultimately, more informed decisions.



Industry Readiness Program in Data Science

EXPLORE & EXECUTE



The Department of Design, Data Science and Cyber Security at GNIOT hosted an illuminating Industry Readiness Program titled “Explore & Execute” on 1 May 2025. Featuring distinguished experts from GlobalLogic—Mr. Abhishek K. Srivastava and Mr. Abhishek Singh—the session offered a deep dive into AI, machine learning, and real-world analytics. With over 150 spirited attendees, the event blended technical wisdom with insights on industry culture and professional growth. This initiative marked a significant step in the department’s mission to align academic learning with industry expectations and cultivate future-ready talent.





We extend our sincere gratitude to the GNIOT Management, Director GNIOT Prof. (Dr.) Dhiraj Gupta for granting permission, This Industry Readiness Program provided students with valuable insights to serve as a platform for students to gain a first-hand understanding of industry trends, tools, and expectations in the evolving landscape of data science and analytics, offering a great opportunity for their personal and professional growth. The session saw active participation from over 150 students and featured an interactive Q&A segment.

Industrial visit
INDIA EXPO



Under the mentorship of Prof. (Dr.) Dhiraj Gupta, Director, GNIOT (Engg. Institute) NAAC A+, the Department of Design, Data Science & Cyber Security organized an insightful industrial visit to the Shiksha Expo at the Expo Center, Greater Noida. Coordinated meticulously by Mr. Uma Shankar and Ms. Tejendra Riya, the visit offered students a valuable opportunity to explore cutting-edge innovations in education and technology, understand emerging industry trends, experience practical applications, and interact with experts. The department expressed its gratitude to Prof. (Dr.) Dhiraj Gupta for his continuous motivation, which strengthens the commitment to bridging academic learning with real-world industrial exposure.

The event provided students with invaluable exposure to cutting-edge technologies and educational tools. Exhibitors showcased advancements in AI, data analytics, and IT solutions, offering a glimpse into real-world applications of their academic learning's. Interactive sessions with industry experts inspired participants and emphasized the importance of innovation in technology. The visit enriched students' understanding of the evolving tech landscape and fostered industry-academia collaboration. Overall, the event was highly educational and impactful for budding data science professionals.



The event offered students a dynamic platform to explore cutting-edge educational and technological innovations while gaining real-world industry exposure.



ADVANCED GENRATIVE AI



In this program, participants shall embark upon an illuminating foray into the fascinating realm of Generative AI—grasping its foundational architectures such as GANs, VAEs, and Transformers—while also discerning its manifold applications across image synthesis, video creation, linguistic dexterity, and even musical innovation. Through practical engagements with eminent frameworks like TensorFlow, PyTorch, and Keras, learners will cultivate the prowess to design and train their own generative models, even as they grapple with the field's notorious tribulations, including mode collapse, capricious training dynamics, and the intricate art of evaluating generative performance.

The Department of Design, Data Science and Cyber Security, GNIOT (Engg. Institute), in collaboration with the Institution's Innovation Council (IIC), convened a comprehensive workshop on "Advanced Generative AI & AI for Cyber Security" for the 2nd- and 3rd-year students on 18th November 2024 at 10:30 AM in the Seminar Hall, Ground Floor.By Mr Trinesh Rai

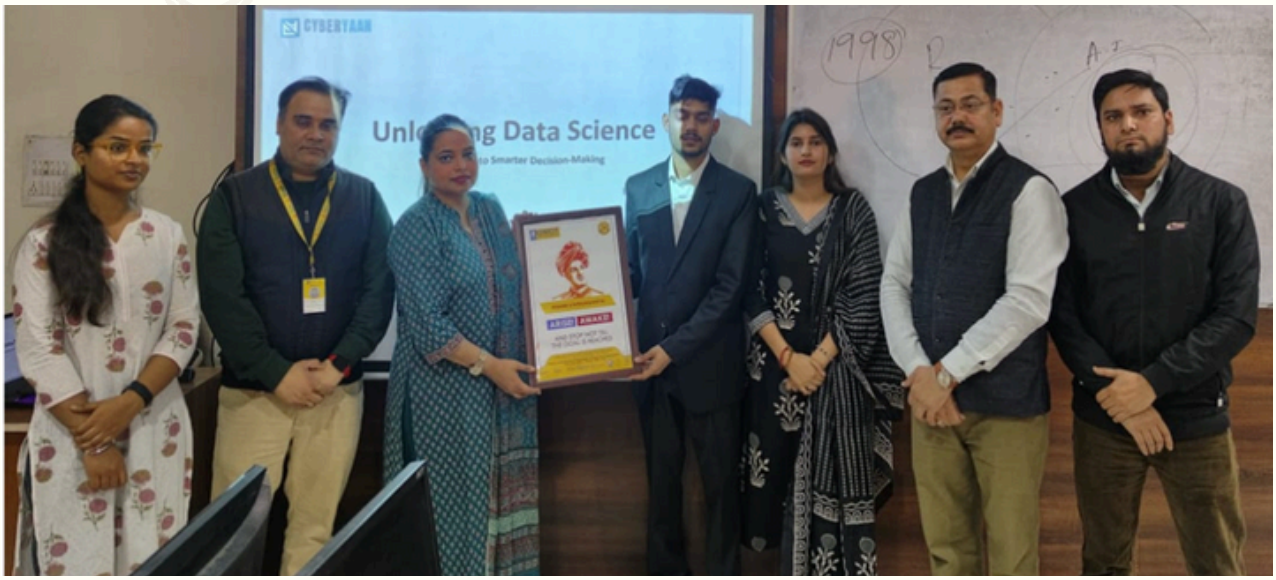




How did the event help ?

The session underscored the importance of interdisciplinary synergy by bringing together AI researchers, cybersecurity practitioners, and industry stalwarts, encouraging students to confront real-world challenges through cutting-edge generative techniques and AI-driven security paradigms. Participants engaged in hands-on explorations of advanced tools, frameworks, and methodologies, while also acquiring a nuanced understanding of how AI and ML fortify cybersecurity through threat detection, malware analysis, and intelligent incident response. The workshop further served as an invaluable forum for networking, enabling aspiring technologists to interact with experts and industry leaders, thereby broadening their horizons and invigorating their professional aspirations.

WorkShop on Data Science



The Department of Design, Data Science & Cyber Security at Greater Noida Institute of Technology (GNIOT) successfully organized a Hands-on Workshop on Data Science on 20th February 2025 at the DDCS Department, providing students with practical exposure to core data science concepts, essential tools, and real-world applications. Led by AI-DS Trainer Sujal Guleria, the session focused on immersive, hands-on learning, guiding participants through industry-relevant techniques and strengthening their understanding of the data science workflow.



The Department of Design, Data Science & Cyber Security (DDCS) at Greater Noida Institute of Technology (GNIOT) organized a Hands-on Workshop on Data Science on 20th February 2025 to provide students with practical, industry-oriented exposure. Conducted by AI-DS Trainer Sujal Guleria, the workshop emphasized experiential learning, covering core data science concepts, essential tools, and real-world applications. The session guided students through key stages of the data science workflow, helping them build practical skills and a clearer understanding of how data science is applied in real industry scenarios.

How to plan for Start-up and legal & Ethical Steps



The Department of Design, Data Science and Cyber Security (DDCS), GNIOT (Engg. Institute), in collaboration with the Institution's Innovation Council (IIC), organized a lecture session on "How to Plan for Start-up and Legal & Ethical Steps" for 2nd and 3rd year students on 25th March 2025 at 11:00 am in DDCS Room No. 310, 3rd Floor. The session aimed to enhance understanding of start-up planning, legal frameworks, and ethical considerations in entrepreneurship, offering a structured approach to launching a venture responsibly. Students were guided through essential aspects such as identifying and validating business ideas, conducting market research, developing a strong business plan, forming effective teams, and setting up operational workflows. Key insights included choosing the right legal structure, completing business registration and licensing, exploring funding avenues like bootstrapping and investment, and building a compelling brand identity. The lecture also emphasized protecting intellectual property through trademarks, patents, and copyrights, while highlighting the importance of ethical practices such as transparent operations, fair employment, responsible marketing, and adherence to legal compliance—all crucial for sustainable and principled entrepreneurship.

THANK YOU

will be back with more exiting stuff next season.

Brought to you by-

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