Newsletter December 2024

(Vol IX Issue XII)

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Editor's Desk:

"Education is the most powerful tool that transforms curiosity into wisdom and potential into purpose."— *Dr. A.P.J. Abdul Kalam*

Dr. Ritu Soryan

The month of December 2024 at Dronacharya Group of Institutions, Greater Noida was a celebration of learning, innovation, and intellectual growth. As the year ended, the institution continued to uphold its legacy of excellence through diverse academic, research, and cultural engagements. Students had the opportunity to explore new dimensions of knowledge—be it through national events, expert lectures, or collaborative workshops—each initiative reflecting DGI's commitment to holistic education and experiential learning.

From thought-provoking discussions on India's global role and sustainability to the remarkable achievements of students in national hackathons and international conferences, every milestone underscored the institution's dedication to nurturing future leaders and innovators. The emphasis on research, technology, and ethical leadership remained central, empowering students to think critically and act responsibly in a rapidly evolving world.

As we step into a new year, Dronacharya reaffirms its mission of shaping socially conscious, technologically skilled, and globally competent individuals. With every achievement and initiative, the institution continues to embody its guiding principle — *"Where knowledge meets innovation and learning leads to transformation."*

EVENTS

Exploring India's Growing Global Role at All India Radio

(4th December 2024)

Students from **Dronacharya Group of Institutions, Greater Noida**, accompanied by Ms. Shiwani Sharma, had the remarkable opportunity to attend the Dr. Rajendra Prasad Memorial Lecture 2024 at All India Radio (Akashvani), New Delhi. The lecture, themed ***"वैश्विक स्थितिज पर भारत की बढ़ती भूमिका" (India's Growing Role in Global Dynamics)*,** was delivered by Shri Harivansh Ji, Hon'ble Deputy Chairman of the Rajya Sabha. The insightful session highlighted India's expanding influence in global affairs and emphasized the nation's leadership and innovation in shaping the world's future. It served as an inspiring experience for students, fostering intellectual growth and awareness beyond academic learning.

Guest Lecture on "Design Now Workshop"

(5th December 2024)

Dronacharya Group of Institutions, Greater Noida organised an insightful Guest Lecture on "**Design Now Workshop**" on **5th December 2024**, in collaboration with the **ICT Academy** and Autodesk. The session aimed to enhance students' understanding of modern design tools, techniques, and innovations shaping today's engineering and technology landscape. Experts from the industry shared valuable insights on **creative problem-solving, 3D design, and practical applications of Autodesk software**. Students actively participated and gained hands-on exposure to design thinking and digital modelling. The workshop proved to be a great platform for bridging the gap between academic learning and industry requirements, fostering creativity and innovation among young engineers.

Dronacharyans Excel at Smart India Hackathon (SIH) 2024 Grand Finale

11th -15th December 2024

The Smart India Hackathon (SIH) 2024, held from 11th–15th December 2024, marked its **7th edition**, engaging students nationwide in developing innovative solutions to real-world challenges under the Ministry of Education's Innovation Cell. Three teams from Dronacharya Group of Institutions — ***Legal Eagles*****,** ***Noobies*****, and** ***Nomorespills*** — were selected for the Grand Finale across different nodal centers. *Legal Eagles* competed at VTU Belagavi, Karnataka, under the *Smart Education* theme, creating an engaging platform to simplify constitutional learning. *Noobies* participated at **KITs College of Engineering**, Kolhapur, working on *HealthTech innovation* for cancer detection using the *U-MaskNet Model*, and emerged among the final runner-up teams. *Nomorespills* showcased their *Real-Time Disaster Information Aggregation Software* **at IIT Bhubaneswar**, enhancing disaster response efficiency through AI-driven data processing.

National Energy Conservation Day (14th December 2024)

Dronacharya Group of Institutions, Greater Noida organised a **Quiz Competition on National Energy Conservation Day on 14th December 2024**, under the banner of the **Institution's Innovation Council (IIC Cell).** The event aimed to raise awareness about the importance of conserving energy and adopting sustainable practices. Students enthusiastically participated, showcasing their knowledge of renewable resources and environmental responsibility. The competition encouraged innovative thinking toward building a greener future. Through this initiative, DGI reaffirmed its commitment to promoting sustainability and environmental consciousness among young minds.

Celebrating National Good Governance Week 2024

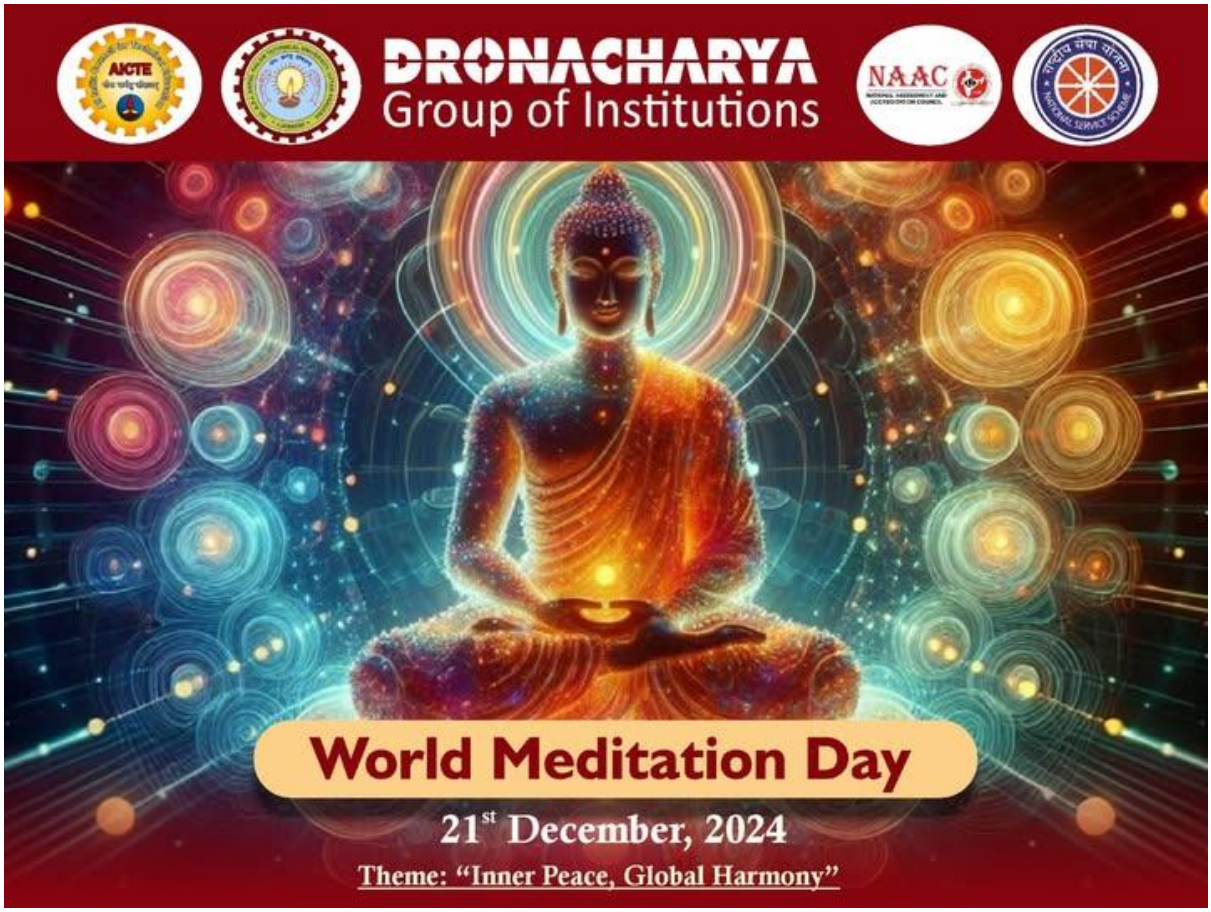
(19th-25th December 2024)

Dronacharya Group of Institutions, Greater Noida, observed National Good Governance Week from 19th-25th December 2024 in tribute to former Prime Minister Atal Bihari Vajpayee Ji on his birth anniversary. The celebration highlighted the core principles of transparency, accountability, and inclusivity, emphasizing their importance in building a progressive nation. The week served as a reminder of Vajpayee Ji's visionary leadership and his enduring commitment to ethical governance. Students and faculty actively participated in spreading awareness about responsible citizenship and good administrative practices, reaffirming their dedication to shaping a transparent and empowered India.

Embracing Tranquillity on World Meditation Day

(21st December 2024)

On the occasion of **World Meditation Day**, let us pause, breathe deeply, and reconnect with our inner selves. This day reminds us of the transformative power of mindfulness in nurturing peace, balance, and emotional well-being. Through meditation, we can cultivate clarity of thought, compassion, and resilience in our daily lives. As individuals unite in this practice, we collectively contribute to creating a calmer, kinder, and more harmonious world. Let us embrace stillness, radiate positivity, and inspire others to find serenity within. Wishing everyone a peaceful and reflective **World Meditation Day**.



Christmas Greetings!

(25th December 2024)

Dronacharya Group of Institutions, Greater Noida, extends warm wishes to all students, faculty, and staff on the joyous occasion of Christmas. May this festive season bring happiness, peace, and renewed hope for a successful year ahead. As we welcome 2024, let us embrace the spirit of kindness, unity, and generosity. Together, we look forward to creating another year filled with achievements, growth, and shared joy.

Expert Lecture on Digital Circuit Design Using Verilog HDL

(27th December 2024)

IEEE Student Chapter of **Dronacharya Group of Institutions, Greater Noida**, organized an expert lecture on *"**Introduction to Design Digital Circuits using Verilog HDL**"* for students of the **ECE, EEE, and ECZ Departments** under the guidance of **Prof. Sanghamitra V. Arora**. The session was delivered by **Mr. A. Kumar**, Sr. Design Verification Engineer at **NXP India**, who provided an in-depth overview of **Verilog HDL** and its application in modelling electronic systems across various abstraction levels. The interactive lecture enhanced participants' understanding of digital circuit design principles and emerging research avenues.

ACHIEVEMENTS

Aarti Mohan Publishes SCOPUS-Indexed Paper

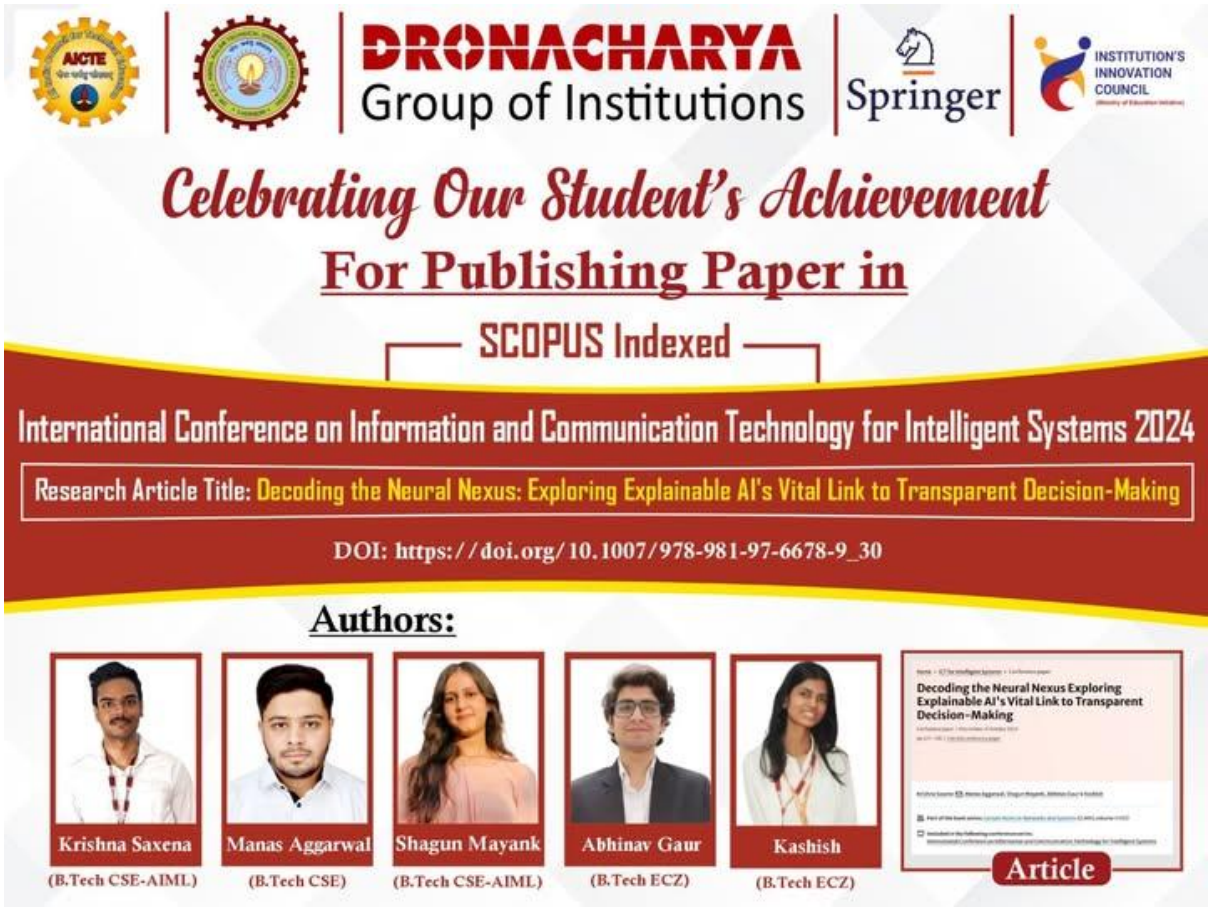
Dronacharya Group of Institutions, Greater Noida, congratulates **Ms Aarti Mohan (MBA II Year)** for her remarkable achievement in publishing a **SCOPUS-indexed research paper** at the *International Conference on Information and Communication Technology for Intelligent Systems 2024*. Her paper, titled *"Social Responsibility of Business Entities in Achieving Sustainability: A CSR Review,"* has been **published by Springer, Singapore**. This research highlights the critical role of corporate social responsibility in driving sustainable development. Through her scholarly excellence and dedication, Aarti exemplifies the spirit of innovation and impact that Dronacharya proudly fosters among its students.

Dronacharyans Publish SCOPUS-Indexed Research on AI Self-Awareness

Dronacharya Group of Institutions, Greater Noida, congratulates **Anshika Jain and Harshit Gupta**, students of B. Tech (CSIT), for their outstanding achievement in publishing a **SCOPUS-indexed research paper** at the *International Conference on Information and Communication Technology for Intelligent Systems (ICTIS 2024)*. Their paper, titled *"Unveiling Conscious Computing: Cultivating AI Self-awareness for Human-Like Thought and Sensibility,"* has been **published by Springer**. The research presents innovative insights into developing self-aware artificial intelligence systems that mimic human-like cognition and emotional understanding. This remarkable accomplishment reflects their dedication to exploring emerging frontiers in AI and marks another proud moment for Dronacharya in fostering cutting-edge student research.

Students Publish SCOPUS-Indexed Research on Explainable AI

Dronacharya Group of Institutions, Greater Noida, congratulates **Krishna Saxena (CSE-AIML)**, **Manas Aggarwal (CSE)**, **Shagun Mayank (CSE-AIML)**, **Abhinav Gaur (ECZ)**, and **Kashish (ECZ)** for publishing their **SCOPUS-indexed research paper** at the *International Conference on Information and Communication Technology for Intelligent Systems 2024*. Their paper, titled ***"Decoding the Neural Nexus: Exploring Explainable AI's Vital Link to Transparent Decision-Making"***, explores the critical importance of transparency and interpretability in AI-driven systems. This remarkable achievement showcases their innovative thinking and commitment to advancing research in emerging AI technologies, marking yet another proud moment of academic excellence.



Dronacharyans Shine at International Conference on Data Science and Innovation

Dronacharya Group of Institutions, Greater Noida, celebrates the participation of **Mr. Diwakar Kumar (MBA I Year)** and **Professor Shiwani Sharma** at the prestigious ***International Conference on Innovative Trends in Statistics, Optimization, and Data Science (IC-ITSODS-2024)*** held at **Kurukshetra University** from **21st to 23rd December 2024**. The conference served as a global forum for intellectual exchange, fostering discussions on emerging innovations in data-driven research and optimization techniques. The event provided an enriching experience of learning, collaboration, and networking with leading experts from academia and industry. Their participation reflects Dronacharya's continued commitment to promoting research excellence and global academic engagement.

Dr. Mahesh Kumar Singh Honored as Academic Mentor in IEEE SMP 2024

Heartfelt congratulations to **Dr. Mahesh Kumar Singh**, Associate Professor, Department of CSE, for being recognized as an **Academic Mentor** in the *Student Mentorship Program (SMP) 2024*, organized by the **IEEE India Council Industry Academia Young Professionals Committee (IAYPC)** from **20th August to 20th December 2024**. His valuable mentorship contributed significantly to nurturing students' professional development and innovation mindset. This recognition reflects his commitment to academic excellence and highlights the institution's continuous efforts to strengthen industry-academia collaboration and empower emerging leaders in technology and research.