



GALGOTIAS STUD



**GALGOTIAS
INCUBATION CENTRE**
For Research Innovation Startup and Entrepreneurs

TO LAUNCH YOUR DREAM?

Is your chance to become Entrepreneur

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G-Scale

SDG - 7

Galgotias University
Sustainability Report
2024-25





Affordable and Clean Energy

Ensure access to affordable, reliable, sustainable and modern energy for all.

AFFORDABLE AND CLEAN ENERGY

Galgotias University is dedicated to fostering innovation that powers a cleaner, greener, and more sustainable future. Aligned with Sustainable Development Goal 7 – Affordable and Clean Energy, the University promotes research, skill development, and awareness to ensure access to reliable and sustainable energy for all. Electric vehicle design challenges, expert talks, and hands-on industry internships encourage students to explore renewable solutions that balance technology with environmental responsibility. Each initiative—whether advancing green mobility, exploring efficient HVAC systems, or promoting clean manufacturing—reflects our commitment to shaping responsible engineers and innovators who will lead the transition toward a sustainable energy future.

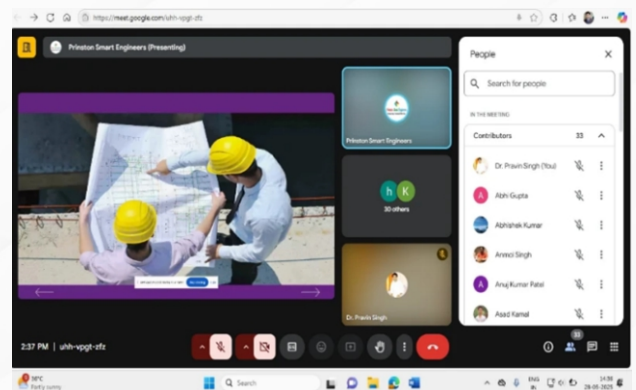
Through collaborations with energy institutions, green campus initiatives, and renewable technology projects, Galgotias continues to integrate sustainability into both learning and practice. The University remains steadfast in its mission to empower future leaders who will drive the global shift toward clean, affordable, and inclusive energy solutions.

Exploring the Future of HVAC: Innovation, Skills, and Opportunities

The Department of Mechanical Engineering at Galgotias University organized an expert talk on the "Scope and Opportunity in HVAC," featuring industry leaders Mr. Ashif, Founder & CEO of Knowhub Technology Pvt. Ltd., and Ms. Farheen Farhath, Co-founder of Prinston Smart Engineers. The speakers shared insights on global HVAC trends, smart technologies, and career prospects, drawing from real-world experiences like the FIFA World Cup projects.

Over 50 students and faculty participated enthusiastically, engaging in interactive discussions.

The session enhanced industry awareness, encouraged skill development, and strengthened industry-academia collaboration for future-ready engineering professionals.



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Rolling Ahead with Innovation: Exploring the World of Bearings

The Department of Mechanical Engineering, School of Engineering, Galgotias University, organized an expert talk titled "Rolling into the Future: Basics & Innovations in Bearings." Mr. Devansh Beriwal, Executive Manager – R&D, NBC Bearings, shared insights on bearing design, materials, and applications across automotive and aerospace sectors. He highlighted NBC's contributions to ISRO and India's engineering advancements. The interactive session deepened students' understanding of friction principles and bearing functionality.

With active participation and engaging discussions, the event successfully bridged academic concepts with real-world industry practices, inspiring students toward innovation in mechanical design.



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ESVC and SIEP E-Bike Challenge 2025

Galgotias University, in collaboration with ISIEINDIA, successfully hosted the 2nd edition of the Electric Solar Vehicle Championship (ESVC-3000) from March 27 to April 2, 2025. As India's premier green mobility competition, the event attracted over 600 participants from across the country, showcasing cutting-edge advancements in electric and solar vehicle technology.

The championship featured two major competitions: the SIEP E-Bike Challenge and the ESVC-3000 Solar Vehicle Rally. Teams underwent rigorous technical inspections, safety evaluations, and performance tests before competing in acceleration, braking, and endurance trials. The final races were held at the Galgotias University campus and Yamuna Expressway, culminating in a high-energy showcase of engineering excellence. The E-Bike Challenge saw Team M V Tronics emerge as champions, with Team Falcon Racers and Team Dark securing runner-up positions. Meanwhile, in the ESVC-3000 Solar Vehicle Rally, Team Solarium claimed the top spot, followed by Team STES Hyperion.

With industry support from NBC Bearings (CK Birla Group), ESVC 2025 not only promoted innovation but also strengthened the bridge between academia and industry.

Galgotias University continues to champion sustainable engineering, fostering the next generation of green mobility pioneers.



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Industrial Internship -Tata Power Skill Development Institute (TPSDI) ,Princeton Engineering, HERO MOTOCORP, and DIY Guru EV Vehicle

On 7th July 2024, a highly insightful webinar titled "Test Automation Unleashed" was conducted by Jaspreet Kaur, Senior Test Automation Engineer at Sumup, Berlin. The session focused on the critical role of automation in modern software testing, especially within agile frameworks. Jaspreet shared expert knowledge on tools, frameworks, and best practices, emphasizing how automation enhances accuracy, speed, and efficiency in testing processes.

The webinar also addressed current trends, technologies, and common industry challenges with practical solutions. It proved to be an enriching experience for professionals keen on optimizing software quality through advanced testing methodologies.



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Expert Talk on

Rolling into the Future: Basics & Innovations in Bearings

The Department of Mechanical Engineering, School of Engineering, Galgotias University organized an expert talk titled "Rolling into the Future: Basics & Innovations in Bearings" on 29th March 2025 in Room 307, AI & DS Block. The session was conducted for B.Tech Mechanical Engineering students and featured Mr. Devansh Beriwal, Executive Manager – R&D, NBC Bearings, as the guest speaker.

The event began with a warm welcome by the Head of Department, Dr. Sudhir Kumar Singh, who also facilitated the expert with a memento and highlighted the importance of bearings in machine design. Mr. Beriwal started his talk by discussing real-world applications of bearings and tracing the history of NBC Bearings, including their



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Contribution to ISRO's indigenously made bearings. He then moved into the technical aspects, covering friction principles, types of rolling bearings, bearing materials, and the fundamentals of bearing design. He used illustrative visuals, including an exploded view of a car, to show where and how different bearings are used in automotive systems. The session was highly interactive, with the speaker engaging students through questions and discussions.

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Expert Talk on Scope and Opportunity in HVAC

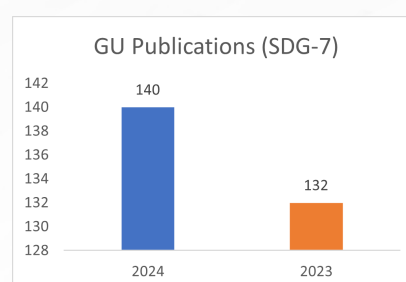
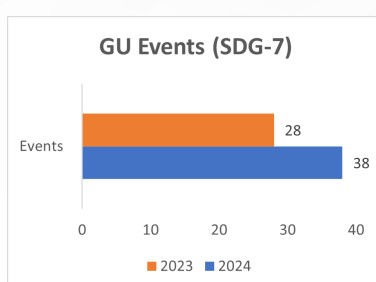
The Department of Mechanical Engineering at Galgotias University, Greater Noida, organized an inspiring special session on "Scope and Opportunity in HVAC" to enhance students' awareness of the dynamic and vital Heating, Ventilation, and Air Conditioning sector. HVAC plays a crucial role in sustainable infrastructure, smart buildings, and energy-efficient technologies.

Two distinguished industry experts enriched the event. Mr. Ashif, Founder and CEO of Knowhub Technology Pvt. Ltd. (CourseSeekho), with over 13 years of international industry experience—including contributions to global events like the FIFA World Cup in Qatar—shared insights on current trends, the role of HVAC in large-scale infrastructure, and the integration of smart technologies. Ms. Farheen Farhath, Co-founder of Prinston Smart Engineers and IIM Bangalore alumna, with 14 years of experience in skill development and entrepreneurship, inspired students by emphasizing continuous upskilling and highlighting career opportunities in smart cities, green buildings, and industrial applications.

The session covered emerging technologies, international case studies, career pathways, and the importance of interdisciplinary skills in addressing modern engineering challenges. Over 50 students and faculty attended, engaging actively in a lively Q&A session that deepened understanding and connected academic learning with industry expectations.

Dr. Pravin Kumar Singh, Associate Professor, concluded the event with a Vote of Thanks, appreciating the guest speakers, organizing committee, and participants. This session marked a valuable step towards bridging academia and industry, equipping students with practical knowledge and fostering career readiness in the high-potential HVAC field. The department plans to host similar events to further strengthen industry-academia collaboration.

Research, Awareness & Innovation Improvements





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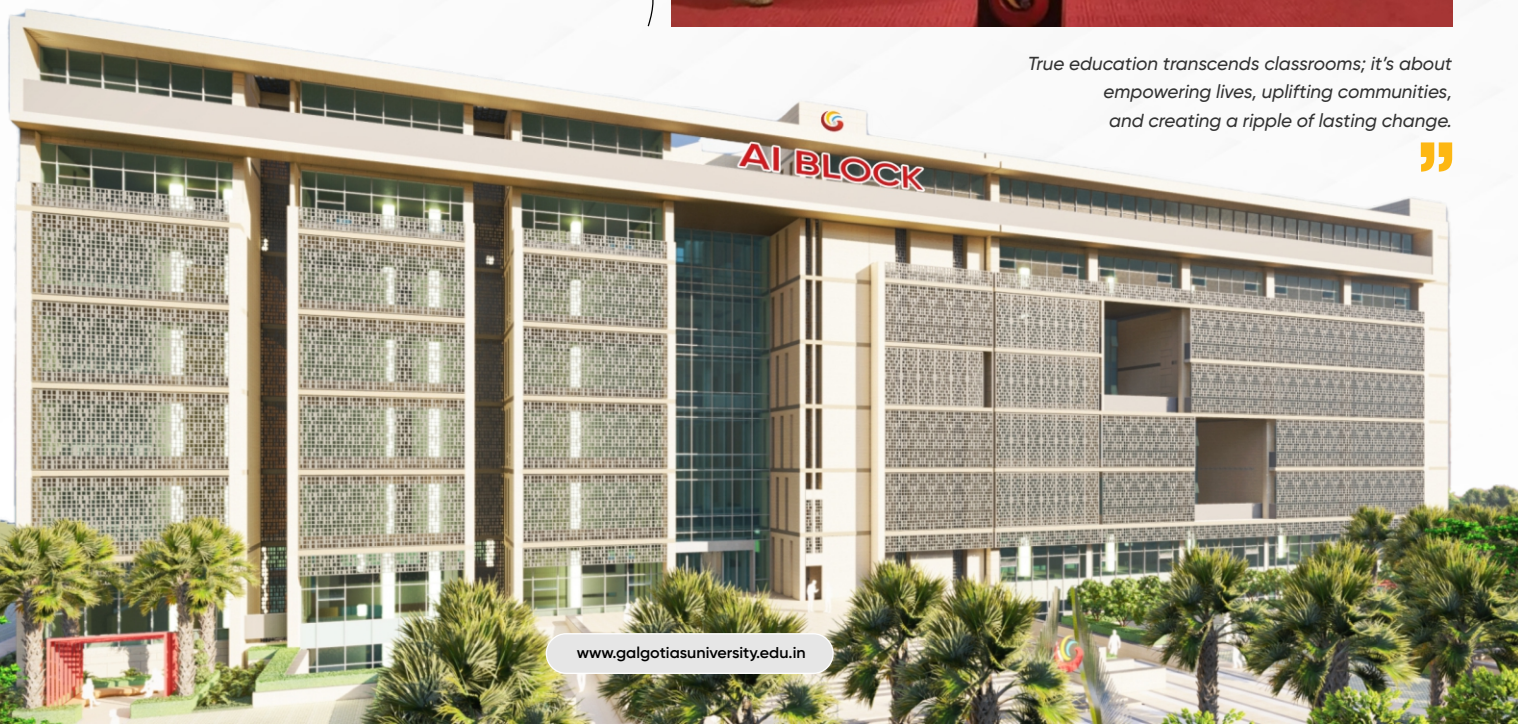
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Increased Interest in the Preservation of the Environment

The Exhibition for the evaluation of IA2 for the subject Environmental Impact Analysis offered for B.Tech second semester was organized in C block (ground and first floor). The event, aimed at raising awareness about environmental conservation, brought together creative minds and innovative solutions to address pressing ecological concerns. The exhibition was graced by esteemed guest, Dr. Vivek Singh Scientist D, Indian Institute of Tropical Meteorology New Delhi Branch, Ministry of Earth Science, Govt. of India, Research Area-Environmental Science, Env. Modeling, Diagnostic Study, Data Science. His presence and words of encouragement inspired the participants and attendees alike.

The event featured a remarkable display of innovative working models created by students, researchers, and environmental enthusiasts. The models covered a wide array of topics, including renewable energy solutions, waste management systems, water conservation techniques, and eco-friendly urban planning. Some standout exhibits including Construction Assistant Robot, Natural pen (Ecofriendly pen), Bumble vacuum.

The exhibition attracted a large audience, including students, educators and environmentalists. Attendees praised the creativity and practicality of the models on display, expressing hope for their potential implementation in real-world scenarios. The event concluded with a vote of thanks, acknowledging the efforts of the participants, organizers, and guests. It was a day of inspiration, innovation, and a renewed commitment to safeguarding our planet for future generations.



True education transcends classrooms; it's about empowering lives, uplifting communities, and creating a ripple of lasting change.

