



## Sustainable Cities and Communities

Make cities and human settlements  
inclusive, safe, resilient, and sustainable



**SDG - 11**

**Galgotias University  
Sustainability Report  
2024-25**

## SUSTAINABLE CITIES AND COMMUNITIES

Galgotias University envisions cities and communities that thrive on harmony, resilience, and sustainability. In alignment with Sustainable Development Goal 11 – Sustainable Cities and Communities, the University actively promotes responsible urban development, environmental awareness, and community engagement. Through design innovation, green initiatives, industrial visits, and creative campaigns, students and faculty collaborate to build a future where growth respects both people and the planet.

Each initiative—whether nurturing soil health, reducing waste, or inspiring sustainable architecture—reflects Galgotias' commitment to shaping inclusive, safe, and environmentally conscious communities for generations to come.

Through experiential learning, research-driven projects, and partnerships with urban development organizations, Galgotias continues to equip learners with the skills and values needed to reimagine sustainable living. The University remains dedicated to creating ecosystems where innovation and empathy converge to make cities more livable, equitable, and future-ready.

### Mastering Crisis: Insights on Hospital Emergency Operations

On 19th June 2025, the School of Business at Galgotias University hosted a compelling guest lecture on "Operations Strategy for Emergency and Disaster Management in Hospitals" by Dr. Surabhi Chhabra, Head of Emergency and Trauma at Yatharth Super Speciality Hospitals. Addressing MBA students of Healthcare Management and Operations, she shared practical strategies for crisis preparedness, triage, resource management, and interdepartmental coordination during emergencies.

Through real-life case studies and interactive discussions, students gained a deeper understanding of operational frameworks, leadership, and resilience in disaster scenarios.

The session bridged theory and practice, empowering future healthcare leaders to manage emergencies effectively.



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### Sustaining Tomorrow: Galgotias University Wastewater Treatment Initiative

The Wastewater Treatment Plant at Galgotias University exemplifies sustainable water management, treating campus wastewater through advanced physical, biological, and chemical processes. Using screening, sedimentation, MBBR biological treatment, and tertiary filtration with chlorination, the facility ensures safe, reusable water.

Treated water supports gardening, toilet flushing, and nearby irrigation, reducing freshwater dependency and environmental pollution. The plant also serves as an educational hub, enabling B.Tech students to gain hands-on experience in wastewater management and water conservation. Additionally, it provides research opportunities for developing innovative treatment and reuse solutions, reinforcing the university's commitment to environmental sustainability and practical learning in civil engineering.



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## IDE Bootcamp

The two-day IDE Bootcamp, organized by the Council for Educational Innovation in collaboration with the Ministry of Education, AICTE, and NCERT, and hosted by Galgotias University, Uttar Pradesh, was held on April 4–5, 2024. The event aimed to foster innovation, design thinking, and entrepreneurship among school students and teachers, preparing them with vital skills for the future.

The inaugural ceremony featured a Virtual Central Inauguration marking a pivotal step in advancing innovation-driven education. Prof. T.G. Sitharam, Chairman of AICTE, emphasized the institution's dedication to cultivating creativity and problem-solving abilities among young minds. His presence highlighted the national commitment to promoting educational innovation and entrepreneurship.

Day one began with Prof. Sitharam's inspiring address on the significance of innovation in shaping 21st-century learning. Renowned experts, including Dr. Ruchi Gautam Pant and Mr. Sahil Chopra, conducted thought-provoking sessions on entrepreneurship, ideation, and leadership. Participants actively engaged in hands-on workshops, mentorship interactions, and discussions spanning the entrepreneurial ecosystem—from idea generation to market strategies. Dr. Garima Agarwal's talk on entrepreneurial innovation and Mr. Nikhil Jain's success story motivated attendees further. The day concluded with an insightful session by Dr. V.K. Arora, featuring incubator perspectives and paving the way for impactful learning experiences.

## Growing a Greener Future: International Worker's Day Tree Plantation Drive

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## Nurturing Soil, Nurturing Life: World Soil Day Poster Making Competition

The School of Agriculture, Galgotias University, organized a Poster Making Competition on December 5, 2024, to mark World Soil Day under the theme "Caring Soils: Measure, Monitor, Manage." Twenty-seven undergraduate students in seven teams participated, creatively

Showcasing the importance of soil health and sustainable management. The event was inaugurated by the Head of School and judged by senior faculty.

It aimed to raise awareness and instill responsibility among students regarding soil conservation. The activity successfully promoted environmental consciousness and innovative thinking.



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## Industrial Visit to Cityspace'82 Architects, Gurugram

The School of Design, Galgotias University, organized an industrial visit to Cityspace'82 Architects, Gurugram, on June 28, 2025, for 25 students of B.Des – Interior Design. Guided by faculty members and hosted by founder Ar. Sumit Dhawan, students explored the firm's design philosophy, sustainable practices, and studio workflow.

The visit included a studio tour, interactive sessions with project leaders, and mood board presentations by the interior design team. Students gained insights into design thinking, client-centric approaches, material selection, and the role of illumination in spatial aesthetics.

The visit effectively connected academic learning with real-world design practice.



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## Industrial Visit to CSIR-Central Road Research Institute (CRRI), New Delhi

The Department of Electrical, Electronics & Communication Engineering, Galgotias University, organized an industrial visit to CSIR-Central Road Research Institute (CRRI), New Delhi on 19th June 2025 for B.Tech. students of DEECE and DOCE.

Guided by experts including Dr. Kayitha Ravinder, Dr. Kamla Masih, Dr. Siraj, and technical officers Dr. Rohit Chamoli, Dr. Bhupendra, Dr. Sikander, and Dr. Sarfaraz Ahmed, students explored state-of-the-art laboratories and observed demonstrations on bitumen testing, material strength evaluation, and pavement engineering.

The visit bridged theory with practical applications, enhanced career awareness, and motivated students toward research and innovation in civil and infrastructure engineering.



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## Research, Awareness & Innovation Improvements



## Earth Day Sustainable Innovation Challenge

The Earth Day Sustainable Innovation Challenge, hosted by the School of Business, is a vibrant event aimed at inspiring sustainability through creativity and innovation.

Two main activities drive the challenge: the Best out of Waste Competition and the Collage Making Contest. In the Best out of Waste Competition, participants repurpose discarded materials into functional and artistic creations, showcasing the potential of upcycling and waste reduction. Meanwhile, the Collage Making Contest prompts participants to use recycled materials to craft visually impactful pieces that raise awareness about environmental issues. These activities encourage participants to rethink their approach to waste and consumption while promoting reflection on the importance of environmental conservation.

Through these engaging activities, participants not only showcase their creativity but also foster a culture of sustainability within the academic community. Participants gain insights into sustainable practices, explore new avenues for innovation, and forge connections with like-minded individuals and organizations committed to environmental sustainability.

The Earth Day Sustainable Innovation Challenge serves as a catalyst for positive change, inspiring students and faculty to integrate sustainability principles into their studies, research, and daily activities. By participating in the challenge, individuals contribute to building a culture of sustainability, inspiring others to take action and fostering positive change within their communities and beyond. Through creativity, collaboration, and innovation,

participants demonstrate their dedication to protecting the planet and creating a more sustainable and equitable world for future generations.

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