



Sustainability Report 2022-23

(Goal - 13)



**Sustainable
Development
Goals**



Sustainable Development Goal - 13



CLIMATE ACTION

Take urgent action to combat climate change and its impacts

Introduction to SDG - 13

Galgotias University is dedicated to Sustainable Development Goal 13, taking urgent action to combat climate change and its impacts.

We integrate sustainability into our curriculum, offering specialized courses that equip students with the knowledge and skills to address climate challenges.

Our faculty and researchers actively contribute to climate mitigation and adaptation through innovative solutions and interdisciplinary research.

On campus, we implement sustainable practices to reduce our environmental footprint, promoting energy efficiency, waste reduction, and green initiatives. Through seminars, workshops, and student-led programs, we foster environmental awareness and responsibility.

We encourage students, faculty, and partners to engage in research opportunities, sustainability projects, and advocacy for climate action.

By combining education, research, and practical initiatives, Galgotias University is committed to shaping a sustainable future. Join us in making a meaningful impact and driving positive change for our planet.

G-SCALE Galgotias Student Centered Active Learning Ecosystem.
No More Benches, Only Benchmarks.

World Class Campus Infrastructure
Eco Friendly Sustainable Campus

- Sustainable Campus Operations Policy
- Green Curriculum and Research Policy
- Renewable Energy Adoption Policy
- Eco-Friendly Waste Management Policy
- Strategic Carbon Reduction Plan (Scope 1 & 2) Net Zero by 2050
- University Sustainability/Climate Action Policy



NSS Awareness Camp on Environmental Sustainability and Climate Action

The National Service Scheme (NSS) unit of Galgotias University organized a one-day camp in Gharbara Village

to raise awareness about environmental sustainability and climate action, aligning with Sustainable Development Goal 13. The initiative emphasized the importance of tree plantation, climate change mitigation, and water conservation.

Volunteers engaged with villagers through discussions on tree plantation benefits, the impact of climate change on irregular rainfall and droughts, and practical solutions like rainwater harvesting and sustainable agriculture. Interactive sessions encouraged community participation, fostering a deeper understanding of climate resilience.

The event concluded with a collective pledge to "live with nature, not against nature," reinforcing the shared commitment to sustainability. This initiative reflects Galgotias University's dedication to environmental awareness, empowering communities to adopt eco-friendly practices for a greener future.



Climate Action & Environmental Awareness
(Community Outreach)

Eco-Ride Challenge for Sustainable Transportation

Galgotias University organized the "Eco-Ride Challenge" to promote eco-friendly transportation and raise awareness about climate change and pollution caused by fossil fuel consumption.

The event featured a cycle ride from the university to Galgotias College using Evie cycles, with active participation from the student council, NSS, sports council, NCC, and engineering branches.

By encouraging cycling as a sustainable mode of transport, the initiative aligned with the university's Sustainability/Climate Action Policy, which focuses on reducing environmental impact through resource conservation and operational efficiency.

The ride emphasized the benefits of non-motorized transport, such as reducing carbon emissions, improving air quality, and promoting physical well-being.

This initiative reflects Galgotias University's commitment to Sustainable Development Goal 13 by fostering a culture of environmental responsibility and advocating for climate-friendly alternatives.

Through such programs, the university inspires students to adopt sustainable practices and contribute to a cleaner, greener future.



Galgotias Students' Community Initiatives



Aeroworks Technologies leads aerial innovation with hydrogen-powered drones, enhancing energy efficiency, extending flight times, and promoting zero emissions. We're reshaping industries with sustainable, high-performance, eco-friendly drone technology.



Reuse - Reduce - Recycle
— Student Community

— Team Sustainability, Galgotias University

Climate action is crucial for sustainability. By reducing emissions and promoting renewable energy, we can combat climate change and ensure a harmonious future.



CAMPUS INITIATIVES

- EV Infrastructure:** Installation of electric vehicle (EV) charging stations to encourage eco-friendly transportation.
- Biogas Plant** Conversion of organic waste into renewable energy, reducing landfill waste.
- Green Belt Zone** Development of extensive green spaces to enhance carbon sequestration and air quality.
- Solar Energy** Installation of solar panels to promote the use of renewable energy and reduce dependence on fossil fuels.

GALGOTIAS UNIVERSITY STRATEGIC PLAN FOR CARBON REDUCTION (SCOPE 1 & 2) TO NET ZERO BY 2050

Vision for SDG - 13

To become a leader in sustainable practices by achieving net zero carbon emissions for Scope 1 and 2 by 2050, setting a benchmark for universities in environmental responsibility.

Mission for SDG - 13

Galgotias University is committed to reducing its environmental impact by implementing a comprehensive carbon reduction strategy across all university operations. Through innovation, collaboration, and continuous improvement, the university aims to integrate sustainability into its institutional framework.

Guiding Principles for SDG - 13

Transparency: Openly communicate progress towards carbon reduction goals.
Collaboration: Engage faculty, staff, students, and stakeholders in sustainability initiatives.
Innovation: Implement cutting-edge technologies to minimize carbon footprint.
Continuous Improvement: Regularly assess and refine strategies based on best practices.

Strategic Objectives for SDG - 13

- Baseline Assessment (2022)
 - ✓ Conduct a comprehensive audit to quantify Scope 1 and 2 emissions from all university activities.
 - ✓ Establish a baseline year for measuring progress and setting reduction targets.
- Energy Efficiency (2022 - Ongoing)
 - ✓ Upgrade buildings with energy-saving measures such as efficient lighting and HVAC systems.
 - ✓ Develop a behavioral change program to encourage energy conservation among faculty, staff, and students.
 - ✓ Invest in on-site renewable energy generation (solar, wind, etc.) to reduce reliance on fossil fuels.
- Sustainable Procurement (2022 - Ongoing)
 - ✓ Implement a sustainable procurement policy prioritizing low-carbon products and services.
 - ✓ Partner with suppliers committed to environmentally responsible practices.
- Transportation (2022 - Ongoing)
 - ✓ Promote sustainable transportation options like walking, cycling, public transit, and carpooling.
 - ✓ Transition university fleet vehicles to electric and hybrid models.
 - ✓ Optimize campus logistics to minimize transportation-related emissions.
- Waste Reduction (2022 - Ongoing)
 - ✓ Introduce programs to minimize waste generation and enhance recycling and composting initiatives.
 - ✓ Reduce paper consumption through digitalization strategies.
- Education & Engagement (2022 - Ongoing)
 - ✓ Integrate sustainability principles into academic curricula across all disciplines.
 - ✓ Organize workshops and training programs to promote awareness about carbon reduction.
 - ✓ Recognize and celebrate contributions from students and staff towards sustainability.
- Offsetting Remaining Emissions (Years TBD)
 - ✓ Explore options for verified carbon offset programs once maximum emission reductions have been achieved.



Implementation Strategy:

Sustainability Task Force: Establish a dedicated task force including faculty, staff, and students to oversee implementation.
Action Plan: Develop detailed action steps with specific targets, timelines, and assigned responsibilities.
Funding & Partnerships: Secure financial support through grants, collaborations, and budget allocations.
Monitoring & Adaptation: Regularly review progress and refine strategies based on emerging sustainability trends.