Sustainability Report 2022-23
(Goal - 9)

GALGOTIAS UNIVERSITY

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Sustainable Development Goals

Innovation | Infrastructure | Sustainability | Resilience | Industrialization

Sustainable Development Goal - 9

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

INDUSTRY, INNOVATION AND INFRASTRUCTURE

Investment in infrastructure and innovation are crucial drivers of economic growth and development.

Introduction to SDG - 9

STUDY SUSTAINABILITY

Programs Offered -
Doctor of Philosophy (Ph.D.) in Environmental Sciences
M.Sc. in Sustainability

Courses Offered -
Digital and Social Media Marketing (MBMK6013)
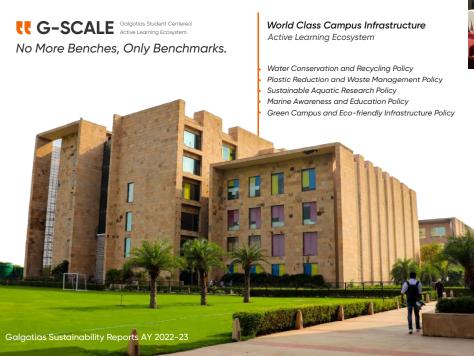Learning and Development (MBHR6010)

Galgotias University champions Sustainable Development Goal 9 (SDG 9): Industry, Innovation, and Infrastructure by creating a dynamic ecosystem that bridges academia with industry and technology.

With state-of-the-art laboratories, advanced engineering workshops, and collaborative innovation spaces, students are empowered to develop transformative solutions to real-world challenges.

Initiatives such as Hackathon 2024, Startup Expo, and the Engineering Design Challenge foster creativity, problem-solving, and entrepreneurial thinking, allowing students to present their innovations to industry leaders. Strengthening industry partnerships, the university facilitates industrial visits, hands-on internships, and joint research projects in emerging fields like digital transformation, sustainable infrastructure, and cutting-edge technologies.

A recent technology-driven conference further reinforced Galgotias University's dedication to advancing industrial growth through innovation.

By integrating these initiatives into its curriculum, the university nurtures future leaders and changemakers, ensuring students are equipped to drive sustainable advancements in industry and infrastructure, aligning seamlessly with SDG 9 goals.

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

World Class Campus Infrastructure
Active Learning Ecosystem

Water Conservation and Recycling Policy
Plastic Reduction and Waste Management Policy
Sustainable Aquatic Research Policy
Marine Awareness and Education Policy
Green Campus and Eco-friendly Infrastructure Policy

⊕ 4th National Symposium on Next-Generation Science and Technology

Galgotias University, through its Institution's Innovation Council (IIC) and Division of Life Sciences, successfully hosted the 4th National Symposium on Next-Generation Science and Technology on National Science Day under the theme Global Science for Global Wellbeing.

This initiative aligns with Sustainable Development Goal 9 (SDG 9): Industry, Innovation, and Infrastructure, promoting scientific research and technological advancements.

The symposium gathered over 140 participants, including students, faculty, and distinguished speakers from industry and academia. Experts discussed molecular plant-pathogen interactions, biosensors, and biotechnology innovations, fostering research-driven learning. Students actively participated in oral presentations, poster exhibitions, and interactive discussions, enhancing their scientific and analytical skills.

The event emphasized the role of science in societal progress, encouraging innovation and interdisciplinary collaboration. Concluding with prize distribution and recognition of student contributions, the symposium reinforced Galgotias University's commitment to fostering scientific research and sustainable technological growth, directly supporting SDG 9 goals.

4th Symposium Science & Technology
Theme: Global Science for Global Wellbeing

⊕ LAUNCHPAD Ideathon & VC Investor Session

Galgotias University, through its E-Cell and Institution's Innovation Council (IIC), successfully hosted LAUNCHPAD Ideathon & VC Investor Session on February 11-12, 2023, fostering innovation, entrepreneurship, and industry collaboration in alignment with Sustainable Development Goal 9 (SDG 9): Industry, Innovation, and Infrastructure.

The 24-hour Ideathon brought together over 500 participants from 120 teams, alongside renowned entrepreneurs, investors, and industry leaders. Participants engaged in brainstorming, problem-solving, and business model development, emphasizing the power of creativity and collaboration.

Live-streamed on YouTube, the event reached a wider audience, inspiring young innovators across the country. With VC sessions, expert panels, and networking opportunities, LAUNCHPAD empowered aspiring entrepreneurs to refine their ideas and connect with potential investors and mentors.

By nurturing startups and technological advancements, Galgotias University continues to strengthen innovation ecosystems, bridge the gap between academia and industry, and drive sustainable industrial growth, aligning with SDG 9 goals.

Launchpad Ideathon 2023

⊕ Exposure Visit to Pre-Incubation Unit-FabLab

Galgotias University organized an Exposure Visit to the Pre-Incubation Unit-FabLab, aligning with Sustainable Development Goal 9 (SDG 9): Industry, Innovation, and Infrastructure. An expert faculty demonstrated cutting-edge reverse engineering technologies, including 3D scanners, 3D printers, laser engravers, CNC routers, and CO2 lasers.

Participants gained hands-on experience in customized manufacturing, automated machining, and digital fabrication, exploring applications in art, jewelry, furniture, and industrial design. This visit fostered innovation-driven learning and entrepreneurial thinking, equipping students with practical skills in advanced manufacturing technologies, thereby promoting sustainable industrial growth and technological advancement in line with SDG 9.

FAB LAB
Pre-Incubation Unit

⊕ Bridging Theory and Practice
Industry Visit to Haier Appliances

Galgotias University's Department of Mechanical Engineering organized an industry visit to Haier India Appliances Pvt. Ltd., Greater Noida, in January, 2023, aligning with Sustainable Development Goal 9 (SDG 9): Industry, Innovation, and Infrastructure.

This visit provided B.Tech students with practical insights into manufacturing processes, automation, and industrial operations. Students explored cutting-edge production techniques in refrigeration, washing machines, and HVAC systems, witnessing punching, blanking, and injection molding firsthand.

They engaged in discussions with engineers, gaining knowledge about process management, supply chain efficiency, and technological advancements in consumer durables. This initiative bridged the gap between theory and practice, preparing students for future careers in engineering and manufacturing.

By fostering industry-academia collaboration, the visit reinforced the importance of innovation-driven growth and sustainable industrial development, strengthening students' ability to contribute to India's evolving manufacturing landscape while upholding SDG 9's vision of resilient infrastructure and technological progress.

⊕ Design Thinking, Critical Thinking, and Innovation Design
Workshop fostering SDG 9: Industry, Innovation, and Infrastructure.

Galgotias University's Institution's Innovation Council (IIC) and School of Business successfully organized a Workshop on Design Thinking, Critical Thinking, and Innovation Design in January, 2023, fostering Sustainable Development Goal 9 (SDG 9): Industry, Innovation, and Infrastructure.

With over 400 participants, the workshop aimed to enhance problem-solving skills, promote innovation, and drive technological advancements.

Industry expert Partha Sen (Google AI, CoreAI Lead Engineer) guided students through the Design Thinking framework—Empathize, Define, Ideate, Prototype, and Test, demonstrating real-world applications such as smart wallet design. The interactive Q&A session addressed topics like copyrighting innovations and fostering non-judgmental collaboration.

This initiative bridged the gap between theory and application, empowering students with critical and innovative thinking skills. By fostering creativity and problem-solving mindsets, Galgotias University is preparing future leaders, entrepreneurs, and innovators to contribute to sustainable industrial growth and technological development, reinforcing SDG 9's objectives.

CEO, Galgotias University
Innovation and critical thinking drive sustainable progress and industry growth

⊕ Problem-Solution Fit and Product-Market Fit

Galgotias University, in collaboration with the Institution's Innovation Council (IIC) and the School of Business, organized a session focused on "Achieving Problem-Solution Fit and Product-Market Fit" to equip students with practical insights into entrepreneurial success. With over 328 participants, the session emphasized an outcome-based learning approach, ensuring that students not only understood theoretical concepts but also applied them to real-world business challenges.

Key takeaways from the session included an in-depth understanding of Kotler's Five Product Level Model, startup lifecycle, customer behavior analysis, and market alignment. Through interactive discussions and case studies, students learned to assess problem-solution fit, validate product-market fit, and develop strategic frameworks for launching successful ventures.

⊕ Innovation Development, TRL, and Tech-Transfer

Galgotias University, in collaboration with the Institution's Innovation Council (IIC) and the School of Business, successfully conducted an expert talk on "Process of Innovation Development, Technology Readiness Level (TRL), and Commercialization of Lab Technologies & Tech-Transfer." With over 400 participants, the session focused on an outcome-based learning approach, ensuring that students and faculty gained practical insights into technology commercialization and innovation readiness.

The session highlighted TRL stages, strategies for lab-to-market transition, and frameworks for fostering innovation. Discussions on market viability, industry collaboration, and technology commercialization pathways provided attendees with a clear roadmap to transform research into market-ready solutions.

INDUSTRY ACADEMIC CORPORATE

STARTUPS

Aeroworks Drone Technologies
specializing in hydrogen-powered drones

Cyberhawkz Intelligence
top-tier provider of tailored threat intelligence solutions

SwaLay Digital
all-in-one music distribution platform

Piotech INDIA
branding agency helping startups elevate their business