



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



SDG - 9

**Industry, Innovation
and Infrastructure**

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



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



**Innovation
Infrastructure
Industrialization
Resilience
Sustainability**

" Introduction "

Galgotias University embodies the spirit of Sustainable Development Goal 9 (SDG 9)–Industry, Innovation, and Infrastructure–by fostering innovation and bridging academia with industry and technology. Through state-of-the-art labs, cutting-edge engineering workshops, and collaborative innovation spaces, the university empowers students to develop transformative ideas. Events like Hackathon 2024, Startup Expo, and the Engineering Design Challenge encourage students to devise practical solutions to real-world challenges and showcase their creativity to industry leaders. To stay aligned with advancements in technology, Galgotias University has fortified partnerships with top industries, enabling activities such as industrial visits, hands-on internships, and collaborative research. These programs emphasize emerging fields like digital transformation, sustainable infrastructure, and cutting-edge technologies. A recent conference further catalyzed innovation and sustainable development. By integrating these initiatives into its curriculum, Galgotias University nurtures leaders and innovators, equipping students to tackle modern challenges and advance sustainable industrial growth, aligning closely with SDG 9 goals.

" Study on Sustainability at Galgotias University "

Programs –

Doctor of Philosophy (Ph.D.) in Environmental Sciences,
M.Sc. in Sustainability

Courses –

Engineering Graphics and Introduction to Digital Fabrication – *BEE01T1003*

Creativity, Innovation & Entrepreneurship – *BLEUCT1003*

Rural Agricultural Work Experience and AgroIndustrial Attachment – *AGRI4019*

" Galgotias University Community Initiatives "

State-of-the-Art Infrastructure at Galgotias University

Galgotias University takes pride in its world-class infrastructure, fostering innovation, sustainability, and industrial collaboration in alignment with SDG 9: Industry, Innovation, and Infrastructure. The university's G-SCALE (Galgotias Student-Centered Active Learning Ecosystem) ensures that students thrive in modern classrooms, cutting-edge laboratories, comprehensive libraries, and vibrant sports facilities, all designed to nurture academic and personal growth. Through G-SCALE, students benefit from experiential learning, practical exposure, and industry-focused training. Advanced research facilities and mentorship programs enhance problem-solving skills and prepare students to contribute to sustainable industrial advancements. Collaborative projects and innovation-driven resources empower learners to develop solutions for real-world challenges, fostering a culture of resilience and creativity. This ecosystem not only supports student success but also reinforces the university's commitment to sustainable development by bridging education with technological progress, ultimately contributing to a robust and inclusive infrastructure for societal and economic transformation.



" Student Startups focused on SDG-9"

- **Aeroworks Drone Technologies** – specializing in hydrogen-powered drones that revolutionize both efficiency and sustainability.
- **CyberHawkz Intelligence Services** is a top-tier provider of tailored threat intelligence solutions.
- **Collegepreneurs** is a Creator's Fund provider to support early-stage content creators.
- **Piotech INDIA** branding agency specializes in helping startups elevate their business and maximize revenue through strategic branding solutions.

Emerson Recent Industrial Practices in Automation Industry

The Department of Electrical, Electronics, and Communication Engineering at Galgotias University organized an expert lecture on "Emerson: Recent Industrial Practices in Automation Industry." The session, attended by over 200 students and faculty, explored the vast scope of automation in industries and power plants. Experts from Emerson, including Mr. Sandeep Agrawal, Ms. Mansi Sharma, Mr. Jai Choithani, and Ms. Pallavi Sachan, discussed innovation, digital transformation, sustainability, and ESG policies. They highlighted Emerson's commitment to safer, smarter solutions and shared insights on advanced tools like AspenIP21, Ovation Intelligence Framework, and HART, inspiring students with cutting-edge industrial practices.

Apple Launches its iOS Development Centre at Galgotias University to Foster Innovation

Apple proudly unveils its north india’s only iOS Development Centre at Galgotias University, an advanced facility housing 100 iMacs, designed to equip students with expertise in mobile app development. This initiative aligns with SDG 9, fostering innovation and resilient infrastructure. The centre offers a hands-on environment where students master iOS app development, blending theory with practical application. Beyond skill-building, it enhances employability, nurtures problem-solving abilities, and ignites creativity. By investing in state-of-the-art infrastructure and progressive pedagogy, Galgotias University reaffirms its commitment to empowering future tech leaders, driving sustainable development, and shaping global innovation.



Global Sustainable Development Congress 2024

The Global Sustainable Development Congress focuses on addressing SDG 10: Reduced Inequality, bringing together global leaders and innovators to discuss actionable solutions for creating a more inclusive and equitable society. This event challenges traditional thinking, urging universities, governments, businesses, and communities to direct their efforts toward reducing inequality through education, research, and innovation. Delegates from around the world will engage in sessions centered on societal transformations needed to achieve SDG 10. The congress will feature impactful case studies, insights from thought-provoking panels, and collaborative workshops designed to foster inclusivity. Networking events will provide opportunities to build alliances and learn what is needed to scale solutions that tackle inequality. The congress emphasizes the importance of creating equal opportunities, improving access to resources, and ensuring that no one is left behind, driving collective action towards a more equitable and sustainable future.

Student Training in Electric Vehicle Technologies

Galgotias University has launched an advanced training program in its state-of-the-art Electric Vehicle (EV) Lab, empowering students to lead the EV revolution. This hands-on initiative equips learners with critical skills for sustainable mobility, fostering innovation and problem-solving in real-world scenarios. By aligning education with the demands of the green automotive industry, Galgotias underscores its commitment to shaping future-ready professionals. This program exemplifies the university's dedication to sustainable innovation, proving that learning truly thrives through active, practical engagement.



Launched ₹10 Crore AI Lab to Empower Innovators

Galgotias University has launched a cutting-edge ₹10 crore AI Learning Lab, equipped with over 1,500 high-performance HP desktops, workstations, and servers in partnership with Delta IT Network. This initiative aligns with SDG 9, focusing on innovation and resilient infrastructure. The lab provides students with hands-on experience in advanced AI technologies, preparing them to meet the demands of a tech-driven world. This investment strengthens the university's commitment to fostering global innovation and developing future leaders in technology.