GALGOTIAS UNIVERSITY

6 CLEAN WATER AND SANITATION

CLEAN WATER AND SANITATION

Ensure availability and sustainable management of water and sanitation for all.



SDG - 6

Galgotias University Sustainability Report

2025-26

CLEAN WATER AND SANITATION | UNIVERSITY COMMITMENT

Galgotias University is committed to promoting access to clean water, sanitation, and sustainable water management in alignment with Sustainable Development Goal 6 (SDG 6). The university encourages awareness and responsible practices related to water conservation, efficient water use, wastewater management, and environmental protection through academic activities, workshops, seminars, awareness campaigns, and student-led initiatives. These efforts aim to develop an understanding of water-related challenges and encourage the adoption of sustainable solutions.

Beyond the campus, the university promotes community awareness about the importance of safe drinking water, sanitation, hygiene, and water conservation. Through outreach programmes and community engagement activities, students and faculty members encourage responsible water-use practices, rainwater harvesting, groundwater conservation, and the protection of local water resources. The university also emphasizes the role of education, innovation, and collective participation in addressing water scarcity and sanitation challenges.

By integrating education, research, environmental responsibility, and community engagement, Galgotias University seeks to contribute towards a water-secure and sustainable future. Its initiatives reflect the belief that clean water and proper sanitation are essential for public health, environmental sustainability, and inclusive community development.

Safeguarding Healthcare Through Sterilization and Infection Prevention

The School of Allied Health Sciences, Department of Radiology, Galgotias University, organized an online guest lecture on “Infection Prevention: Sterilization & Disinfection” on 16 December 2025. The session was delivered by Ms. Mamta Verma, Assistant Professor and Head, Department of Radiological & Imaging Technology, Uttar Pradesh University of Medical Sciences, Saifai. The lecture highlighted the importance of infection prevention in healthcare settings, particularly in minimizing healthcare-associated infections (HAIs). The speaker explained the concepts of cleaning, disinfection, and sterilization, various sterilization techniques, commonly used disinfectants, and the safe handling and storage of medical instruments.



Emphasis was also placed on hand hygiene and the appropriate use of personal protective equipment (PPE). Through practical examples and interactive discussions, students gained valuable insights into infection control protocols and patient safety. The session enhanced their theoretical understanding and reinforced the importance of maintaining effective infection prevention practices in healthcare facilities.

SDG alignment

3 GOOD HEALTH

CLEAN WATER AND SANITATION

Ensure availability and sustainable management of water and sanitation for all.

Cultivating Sustainability: Embracing Nature through Organic Farming

The School of Agriculture, Galgotias University, organized a Faculty and Staff Development training session on "Organic Farming – Work with Nature, Work for Nature," led by Mr. Vineet Saxena, Project Coordinator, Vidisi Enterprises. The session focused on promoting sustainable agricultural practices, improving soil health, natural pest management, and the long-term benefits of chemical-free farming. The resource person highlighted practical approaches to organic agriculture, including composting, bio-input preparation, crop diversification, and environmentally friendly crop management practices. Participants gained insights into reducing chemical dependency, maintaining ecological balance, and enhancing agricultural sustainability.



The training session strengthened faculty and staff awareness of organic farming principles and their practical applications. It encouraged the integration of eco-friendly agricultural practices into teaching, research, and community outreach activities, reinforcing the importance of sustainable farming systems for environmental conservation and long-term agricultural development.

SDG alignment

2 ZERO HUNGER | 4 QUALITY ED. | 8 DECENT WORK | 12 RESPONSIBLE

Advancing Sustainable Crop Protection: Exploring Research Frontiers in Integrated Pest Management

The School of Agriculture, Galgotias University, organized an expert lecture on "Research Need for Integrated Pest Management (IPM)" on 21st November 2025, delivered by Dr. Subhash Chander, Former Director, ICAR–NCIPM. The session aimed to familiarize students with emerging research priorities and challenges in sustainable crop protection. Dr. Chander highlighted the growing concerns of invasive pests, pesticide overuse, climate change, and pest resistance. He discussed important research areas, including pest surveillance and forecasting, bio-intensive IPM strategies, AI and remote sensing applications, novel biopesticides, and climate-smart pest management solutions. He also emphasized integrating ecological principles with advanced technologies for effective pest control.



An interactive discussion provided students with insights into precision crop protection, conservation of natural enemies, and farmer-oriented decision-support systems. The lecture strengthened students' understanding of contemporary IPM approaches and encouraged research, innovation, and entrepreneurship in sustainable agriculture. It reinforced the importance of environmentally responsible pest management for resilient agricultural systems.

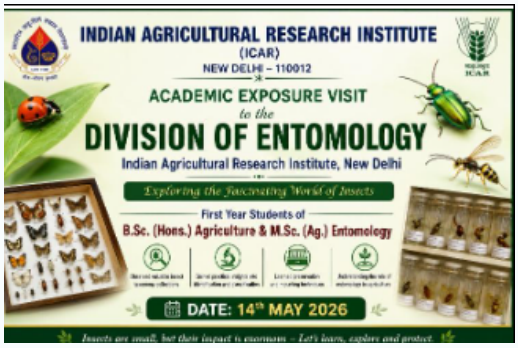
SDG alignment

2 ZERO HUNGER | 11 SUST. CITIES | 12 RESPONSIBLE | 15 LIFE ON LAND | 17 PARTNERSHIPS

CLEAN WATER AND SANITATION

Ensure availability and sustainable management of water and sanitation for all.

Exploring the World of Insects: Experiential Learning at ICAR–IARI



The School of Agriculture, Galgotias University, organized an academic exposure visit for first-year B.Sc. (Hons.) Agriculture and M.Sc. (Ag.) Entomology students to the Division of Entomology, Indian Agricultural Research Institute (ICAR–IARI). The visit aimed to enhance students' practical understanding of insect diversity, taxonomy, identification, and preservation techniques. During the visit, students explored the extensive insect taxonomy collections and observed preserved specimens of agricultural importance. Experts explained scientific methods of insect identification, classification, mounting, labelling, and preservation. Students also learned about the significant role of agricultural entomology in crop protection and sustainable agriculture.

The interactive learning experience connected classroom concepts with practical research applications, fostering scientific curiosity and interest in agricultural research. Overall, the visit enriched students' knowledge of insect taxonomy and strengthened their practical understanding of entomology, inspiring them towards future research and professional development.

SDG alignment

4 QUALITY ED. | 9 INNOVATION | 10 REDUCED INEQ. | 15 LIFE ON LAND | 17 PARTNERSHIPS

Bridging Agriculture with Global Markets: Learning Beyond the Classroom



The School of Agriculture, Galgotias University, organized an educational exposure visit to the UP International Trade Show 2025 at India Expo Mart, Greater Noida, on 26 September 2025. The visit witnessed the participation of 121 students and 3 faculty members from B.Sc. (Hons.) Agriculture (1st and 3rd semesters) and MBA (Agri-Business Management). The visit aimed to provide practical exposure to international trade, agricultural innovations, and value chain integration. Students interacted with representatives from agri-export firms, food processing industries, and government organizations, exploring advancements in packaging, food technology, farm machinery, and sustainable agricultural products.

The exhibition offered valuable insights into export readiness, marketing trends, product diversification, trade policies, and entrepreneurial opportunities in agribusiness. Overall, the visit enriched students' understanding of global agricultural markets, strengthened industry–academia linkages, and connected classroom learning with real-world business practices.

SDG alignment

4 QUALITY ED. | 9 INNOVATION | 10 REDUCED INEQ. | 15 LIFE ON LAND | 17 PARTNERSHIPS

CLEAN WATER AND SANITATION

Ensure availability and sustainable management of water and sanitation for all.

Empowering Young Women: Building Skills for a Brighter Agricultural Future

The School of Agriculture, Galgotias University, organized a specialized Employability Skills Training Programme for Girl Students to enhance their career readiness, professional competence, and confidence. The programme focused on developing essential skills required to succeed in agriculture and allied sectors. The training covered communication skills, leadership development, digital literacy, resume building, interview preparation, and entrepreneurship in agriculture. Through interactive sessions, practical workshops, and expert talks, students gained valuable insights into professional development, workplace expectations, and emerging career opportunities.



Special emphasis was placed on promoting gender equality, bridging the employability gap, and encouraging self-reliance among young women. The initiative strengthened students' professional capabilities and entrepreneurial outlook, empowering them to explore diverse career pathways and leadership roles in the agricultural sector.

SDG alignment

4 QUALITY ED. | 5 GENDER EQ. | 9 INNOVATION | 10 REDUCED INEQ. | 17 PARTNERSHIPS

Blossoming Opportunities: Advancing Floriculture through Science and Innovation

The School of Agriculture, Galgotias University, participated in the Pusa Rose and Marigold Field Day held on 16 February 2026 at the Division of Floriculture and Landscaping, ICAR–Indian Agricultural Research Institute (IARI), New Delhi, under the theme "Rose and Marigold: A Bridge of Science, Innovation, and Farmer Prosperity." The event showcased improved varieties of roses and marigolds, modern cultivation technologies, live field demonstrations, and efficient water management practices under the Per Drop More Crop initiative. Students interacted with scientists, farmers, entrepreneurs, and industry representatives, gaining valuable insights into scientific crop management, productivity enhancement, and commercial opportunities in floriculture. Dr. Ch.



Srinivasa Rao, Director, ICAR–IARI, highlighted the growing potential of the floriculture sector and its contribution to agricultural income and farmer prosperity. The field visit enriched students' practical knowledge and emphasized the importance of research, innovation, and technology adoption in promoting sustainable floriculture and strengthening farmers' livelihoods.

SDG alignment

12 RESPONSIBLE | 17 PARTNERSHIPS

Serving Society, Transforming Lives: NSS Special Camp for Community Empowerment

The National Service Scheme (NSS) organized a seven-day Special Camp from 23–29 March 2026 at Rilka, Gautam Buddha Nagar, under the motto “Not Me, But You.” The camp aimed to promote community welfare, social responsibility, health awareness, cleanliness, gender equality, and youth participation. Throughout the camp, volunteers conducted household visits and awareness activities addressing social issues, diabetes, hypertension, jaundice, preventive healthcare, and women's empowerment. A cleanliness drive and street play were organized to encourage community participation and social awareness. Volunteers also promoted personal, menstrual, and hand hygiene through interactive sessions and sanitary pad distribution.



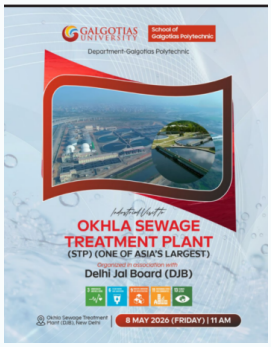
A blood donation awareness programme and free health check-up camp, including HIV screening, further strengthened community health awareness. The camp concluded with cultural activities and interaction with villagers. Overall, the initiative created meaningful community impact while developing leadership, teamwork, empathy, communication skills, and social responsibility among NSS volunteers, reinforcing the spirit of community service and inclusive development.

SDG alignment

1 NO POVERTY | 2 ZERO HUNGER | 3 GOOD HEALTH | 4 QUALITY ED.

From Wastewater to Sustainability: Experiential Learning at Okhla Sewage Treatment Plant

The Department of Civil Engineering, Galgotias Polytechnic, organized an industrial visit to the Okhla Sewage Treatment Plant (STP), New Delhi, in association with Delhi Jal Board (DJB), for Diploma in Civil Engineering students. The visit aimed to provide practical exposure to wastewater treatment technologies, environmental engineering, and sustainable water management. During the visit, Mr. Alok Kumar Sinha, Senior Engineer, and Mr. Narender Kumar, Engineer, explained the functioning of the treatment plant and various stages of sewage processing, including preliminary treatment, screening, grit removal, sedimentation, aeration, biological treatment, sludge management, and final purification.



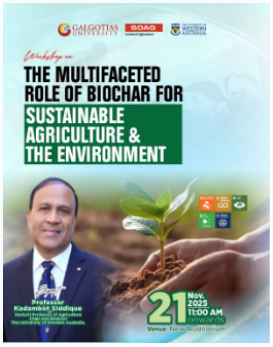
Students observed the practical operations of machinery, pipelines, treatment tanks, aeration systems, and control units. Interactive discussions helped them understand treatment efficiency, operational challenges, and wastewater reuse practices. The visit strengthened students’ technical knowledge by connecting classroom learning with industrial applications. It also highlighted the importance of wastewater management in environmental protection, public health, and sustainable urban development. The department expressed gratitude to Delhi Jal Board and the STP officials for their valuable support and guidance.

SDG alignment

9 INNOVATION | 11 SUST. CITIES | 13 CLIMATE ACTION

Biochar for a Greener Tomorrow: Innovating Sustainable Agriculture and Environmental Protection

The School of Agriculture, Galgotias University, organized a workshop on "The Multifaceted Role of Biochar for Sustainable Agriculture & the Environment" on 21 November 2025, featuring globally renowned expert Prof. Kadambot Siddique. The workshop aimed to familiarize students with innovative biochar technologies and their applications in sustainable agriculture and environmental management. Prof. Siddique explained biochar production through biomass pyrolysis and highlighted its benefits in improving soil structure, water-holding capacity, nutrient-use efficiency, and microbial activity. He also discussed its applications in carbon sequestration, contaminated soil remediation, climate resilience, and biochar-based fertilizer formulations.



An interactive discussion provided insights into biomass selection, pyrolysis technologies, economic feasibility, and emerging global research trends. The workshop enhanced students' understanding of climate-smart agricultural practices and encouraged research and innovation in soil management. Overall, the session strengthened students' scientific knowledge and emphasized biochar's potential in promoting soil health, environmental conservation, and sustainable agricultural development.

SDG alignment

11 SUST. CITIES | 13 CLIMATE ACTION | 15 LIFE ON LAND | 17 PARTNERSHIPS

Bridging Languages, Building Global Connections: French Language and Communication Skills Workshop

The Department of Electrical, Electronics & Communication Engineering (DEECE), Galgotias University, organized a French Language and Communication Skills Workshop to enhance students' linguistic proficiency, communication competence, and intercultural awareness. The session was conducted by Dr. Manisha Rani, Assistant Professor, School of Languages (French), Galgotias University. Dr. Rani introduced participants to the fundamentals of French, including basic vocabulary, pronunciation, greetings, everyday expressions, and conversational phrases. She highlighted the importance of French in higher education, international careers, research, and cross-cultural collaboration.



The workshop featured interactive activities, pronunciation exercises, role plays, and question-and-answer sessions, enabling participants to develop confidence in basic French communication. Students also gained insights into French culture, etiquette, and global communication practices. The session encouraged multilingual learning, strengthened communication skills, and broadened students' understanding of international opportunities. Overall, the workshop promoted cultural awareness, professional development, and global readiness among participants.

SDG alignment

4 QUALITY ED. | 8 DECENT WORK | 9 INNOVATION | 17 PARTNERSHIPS

CLEAN WATER AND SANITATION

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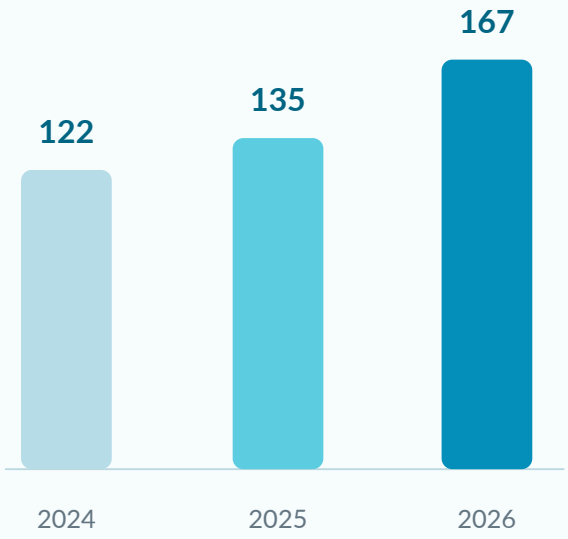
2024–26 | SUSTAINABILITY REPORTING AT A GLANCE

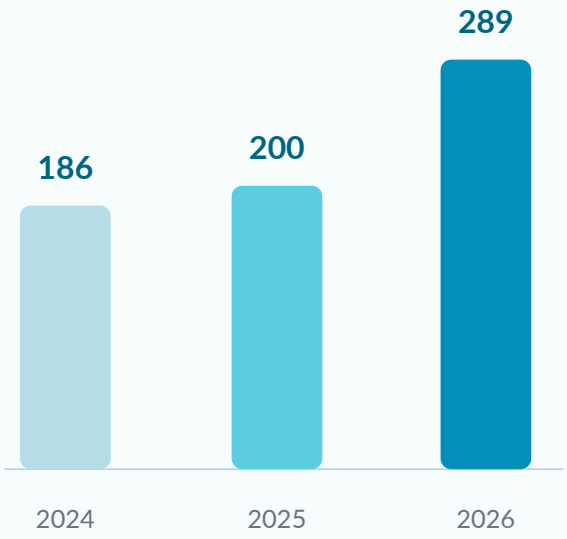
Reported University events and publications aligned with SDG 6

GU Events



Number of SDG 6 events

GU Publications



Number of SDG 6 publications

SDG 6 | PROGRAMME FOCUS AREAS

WATER MANAGEMENT
Wastewater treatment, water-use efficiency and water conservation

PUBLIC HEALTH
Hygiene, sanitation, sterilisation and infection prevention

SUSTAINABLE AGRICULTURE
Soil conservation, climate-smart practices and water retention

COMMUNITY ENGAGEMENT
Practical training, campus learning and community outreach

Sustainable water management begins with informed action, research and community participation.

Source: Galgotias University SDG 6 Annual Report 2025-26