GALGOTIAS UNIVERSITY

# SDG 3 ANNUAL REPORT

3 GOOD HEALTH AND WELL-BEING

## GOOD HEALTH AND WELL BEING

**Ensure healthy lives and promote well-being for all at all ages**

**SDG - 3**

**Galgotias University Sustainability Report**

**2025-26**







GOOD HEALTH AND WELL BEING

INTRODUCTION & OVERVIEW

# ADVANCING SDG-3 GOOD HEALTH AND WELL BEING

**Ensure healthy lives and promote well-being for all at all ages**



Galgotias University envisions a healthy society where well-being is not merely a goal but an essential part of everyday life. Aligned with SDG 3 (Good Health and Well-being), the university actively promotes a culture of health consciousness, preventive care, and holistic development. Through health awareness campaigns, medical check-up camps, blood donation drives, fitness activities, and mental wellness programmes, the university encourages individuals to adopt healthier lifestyles and make informed decisions about their health.

Beyond the campus, Galgotias University extends its commitment to community well-being through outreach programmes, health education initiatives, and collaborations with healthcare institutions, government organizations, and NGOs. These efforts focus on spreading awareness about nutrition, personal hygiene, disease prevention, sanitation, and accessible healthcare, particularly among underserved communities.

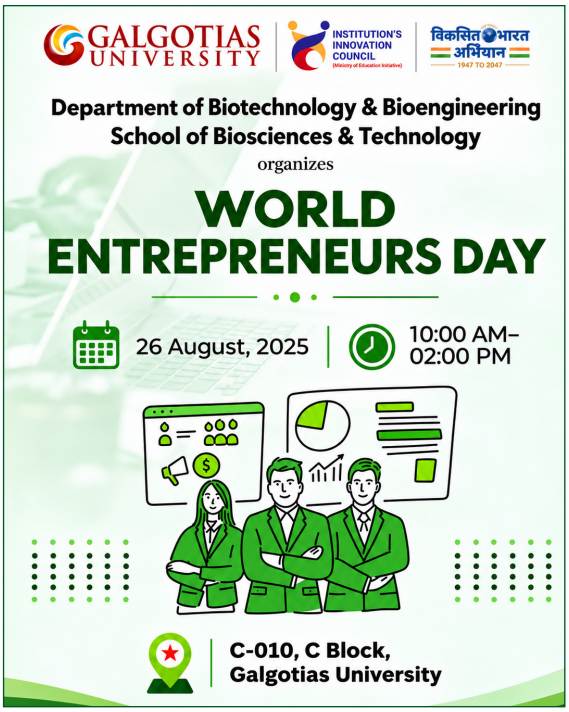
By combining knowledge, compassion, research, and community participation, Galgotias University strives to transform health awareness into meaningful action. Its initiatives reflect the belief that a healthier individual builds a stronger community, and a healthier community lays the foundation for a prosperous and sustainable nation.

---

INTRODUCTION & OVERVIEW

# Igniting Entrepreneurial Minds:

## Celebrating Innovation and Startup Spirit




The Department of Biotechnology & Bioengineering, School of Biosciences & Technology, Galgotias University, celebrated World Entrepreneurs Day on 26th August 2025 at C-010, C Block, under the aegis of the Institution's Innovation Council (IIC), Ministry of Education initiative. Aligned with the vision of Viksit Bharat 2047 and the Sustainable Development Goals (SDGs), the programme highlighted entrepreneurship as a catalyst for innovation, employment generation, and economic growth. Discussions focused on startup development, business strategies, funding opportunities, and innovative solutions to real-world challenges. Special emphasis was placed on the contribution of entrepreneurship towards SDG 3 (Good Health and Well-being), SDG 4 (Quality Education), and SDG 9 (Industry, Innovation and Infrastructure). Through brainstorming and interactive activities, students explored entrepreneurial possibilities and leadership skills. The programme inspired aspiring innovators to transform ideas into impactful ventures and contribute towards a self-reliant and progressive nation.

SCHOOL OF NURSING · PUBLIC HEALTH

# From Signals to Solutions: Advancing Biomedical Innovation through Hands-on Learning




The Department of Biotechnology & Bioengineering, School of Biosciences & Technology, in collaboration with the Institution's Innovation Council (IIC), Galgotias University, successfully organized a Workshop with AD Instruments: Bridging Biomedical Innovation with Industry-Grade Instrumentation on 16 January 2026 at B-106, B-Block, Galgotias University.

The workshop focused on providing experiential learning in biomedical signal acquisition and analysis, including ECG, EMG, EEG, and spirometry, using advanced ADInstruments systems. The session aimed to bridge the gap between theoretical concepts and real-world biomedical applications. Participants were introduced to industry-relevant tools, experimental protocols, and data interpretation techniques widely used in healthcare research and diagnostics.

Faculty experts demonstrated live experiments, emphasizing the importance of biomedical signals in clinical decision-making and innovation-driven healthcare solutions. The interactive format encouraged student participation, hands-on experimentation, and technical discussions. The workshop significantly enhanced participants' understanding of biomedical instrumentation, fostering innovation, technical competence, and industry readiness in the healthcare and life sciences domain.

SCHOOL OF NURSING · PUBLIC HEALTH

# Quantum Frontiers in Healthcare: Transforming Cancer Diagnosis through AI Innovation



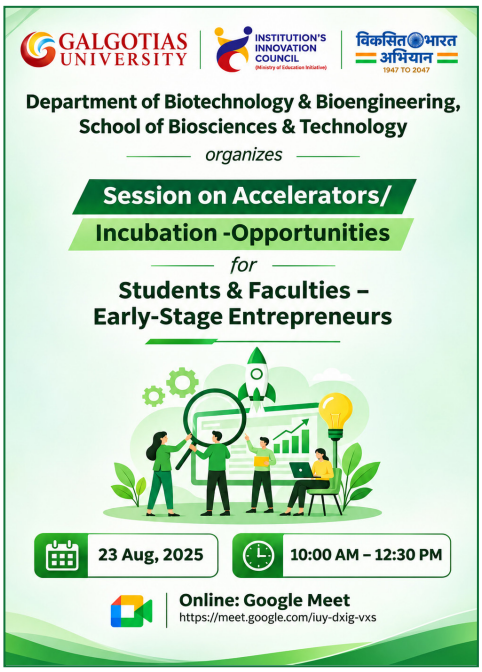

The Department of Biotechnology & Bioengineering, School of Biosciences & Technology, in collaboration with the Institution's Innovation Council (IIC), Galgotias University, Greater Noida, organized a workshop on "Quantum AI Innovation in Cancer Diagnosis" on 13 February 2026 at 11:00 AM onwards. The offline event witnessed enthusiastic participation from 110 students, 80 faculty members, and 110 external participants, reflecting strong interdisciplinary interest.

The workshop explored emerging applications of Quantum Computing and Artificial Intelligence in oncology, with a focus on early cancer detection, precision diagnostics, predictive analytics, and data-driven healthcare solutions. Expert speakers discussed advanced computational models, translational research opportunities, and real-world applications integrating biotechnology with emerging computing technologies.

The interactive sessions encouraged innovation-oriented thinking, knowledge exchange, and research networking while strengthening participants' understanding of next-generation healthcare technologies. The workshop also promoted academic-industry collaboration and highlighted the potential of advanced technologies in addressing healthcare challenges.

SCHOOL OF NURSING · PUBLIC HEALTH

# From Innovation to Enterprise: Unlocking Startup and Incubation Opportunities




The Department of Biotechnology & Bioengineering, School of Biosciences & Technology, Galgotias University, in collaboration with the Institution's Innovation Council (IIC), organized an insightful online session titled "Accelerators/Incubation – Opportunities for Students & Faculties: Early-Stage Entrepreneurs" on 23rd August 2025 through Google Meet. Dr. Gaurav Kumar delivered an engaging presentation on Lean Startup Methodology, Minimum Viable Product (MVP), and startup incubation opportunities. He discussed key entrepreneurial principles, including validated learning, innovation accounting, entrepreneurship management, and the Build-Measure-Learn cycle. Drawing upon Eric Ries's Lean Startup approach, he highlighted the importance of testing ideas, minimizing business risks, understanding customer needs, and developing innovative solutions through MVPs. The interactive session witnessed active participation from students, faculty members, and aspiring entrepreneurs, inspiring them to transform innovative ideas into viable, customer-oriented, and scalable business ventures.




INTRODUCTION & OVERVIEW

# Exploring New Frontiers: Advancing Knowledge in Biosciences and Technology




The School of Biosciences & Technology, in collaboration with the Institution's Innovation Council (IIC), Galgotias University, successfully organized a workshop on "Recent Advances in Biosciences and Technology" from 30 January to 04 February 2025 at A-205, A-Block, Galgotias University.

The offline workshop aimed to familiarize participants with contemporary developments and technological innovations transforming the field of biosciences. The sessions highlighted interdisciplinary approaches, emerging research areas, and the integration of advanced technologies with biological sciences.

Through expert interactions and knowledge-sharing discussions, participants gained insights into current scientific trends and their applications in healthcare, biotechnology, and life sciences. The workshop encouraged academic curiosity, research orientation, and innovation-driven thinking. The initiative reinforced the university's commitment to quality education and scientific excellence while promoting continuous learning and interdisciplinary engagement.



SCHOOL OF NURSING · PUBLIC HEALTH

# From Laboratory Skills to Research Excellence: Advancing Pharmaceutical Research and Innovation







The hands-on training programme on "Pharmaceutical Tools, Cancer Biology, Modern Analytical Techniques, Drug Design & Scientific Writing" was designed to strengthen participants' practical, analytical, and research-writing skills. The programme integrated theoretical knowledge with experiential learning to provide a comprehensive understanding of modern research methodologies, with particular emphasis on cancer biology and pharmaceutical sciences.

Participants received practical exposure to advanced scientific instruments, including Probe Sonicator, HPLC, Brookfield Viscometer, Cooling Centrifuge, FTIR, and Rotary Evaporator. The training also introduced essential research software and tools such as Design of Experiments (DoE), in-silico drug design tools, Turnitin, and BioRender for graphical abstracts. Key learning areas included instrument calibration, maintenance, troubleshooting, data acquisition, and interpretation using appropriate statistical methods.

The programme further emphasized scientific writing, covering research paper structure, effective presentation of results, academic integrity, and strategies for publication in peer-reviewed journals. By combining laboratory expertise, data analysis, drug-design tools, and scientific communication, the programme aimed to empower participants to conduct quality research and contribute to scientific advancement.

SCHOOL OF NURSING · PUBLIC HEALTH

# Clean Environment, Healthy Future: Promoting Awareness on Pollution Control



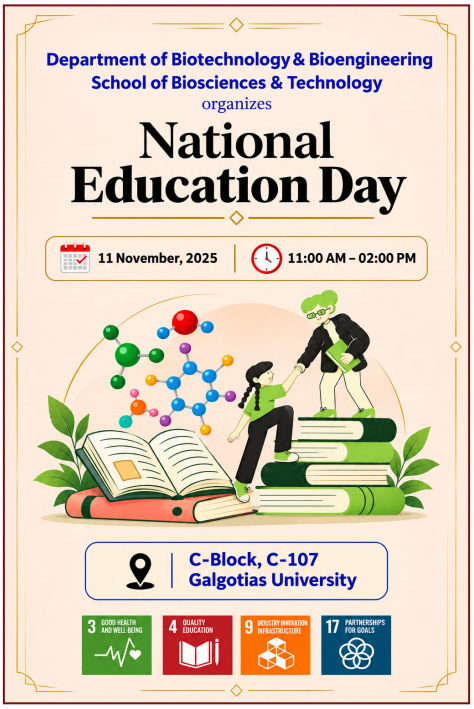

The Department of Biotechnology & Bioengineering, School of Biosciences & Technology, Galgotias University, successfully organized an online event on National Pollution Control Day on 02 December 2025, from 10:00 AM to 01:00 PM. The event aimed to raise awareness about pollution-related challenges and highlight the importance of environmental conservation and sustainable living.

The session focused on the increasing levels of air, water, and soil pollution, discussing their environmental and public health impacts. Experts highlighted major sources of pollution, the role of biotechnology in environmental management, and the importance of adopting eco-friendly technologies, effective waste management practices, and pollution-prevention strategies. Participants actively engaged in interactive discussions and Q&A sessions, sharing ideas on community-level initiatives for pollution control and greener lifestyles. The event encouraged individual and collective responsibility towards environmental protection and emphasized the need for sustainable practices to safeguard natural resources for future generations.



SCHOOL OF NURSING · PUBLIC HEALTH

# Empowering Minds, Building the Nation: Celebrating National Education Day




The Department of Biotechnology & Bioengineering, School of Biosciences & Technology, under the Institution's Innovation Council (IIC), Galgotias University, celebrated National Education Day on 11 November 2025. The event commemorated the contributions of Maulana Abul Kalam Azad, India's first Education Minister, and highlighted his vision of inclusive, accessible, and progressive education.

The celebration emphasized the transformative role of education in promoting innovation, research, critical thinking, and national development. Students participated in engaging discussions on how quality education can shape young innovators and responsible leaders. Faculty members encouraged students to embrace lifelong learning, creativity, and scientific thinking to address societal challenges and contribute meaningfully to nation-building.

The event concluded with reflections on the importance of innovation-driven education in empowering youth and building a stronger, self-reliant India.

INTRODUCTION & OVERVIEW

# Innovating for a Healthier Tomorrow: Advancing Biosciences and Healthcare through Research



The International Conference on Innovations in Biosciences and Health Care (ICIBHC–2026) was successfully organized at Vivekanand Auditorium, Galgotias University, Greater Noida. The conference provided an interdisciplinary platform for researchers, academicians, healthcare professionals, industry experts, and students to exchange ideas and explore emerging advancements in biosciences and healthcare technologies.

The event featured keynote lectures, invited talks, poster presentations, model exhibitions, and interactive scientific discussions covering biotechnology, translational medicine, cancer therapeutics, biomaterials, immunotherapy, and precision healthcare. Distinguished experts from India, the USA, and South Korea shared insights into emerging healthcare innovations and translational research. Representatives and participants from reputed institutions, including IIT Kharagpur, AIIMS New Delhi, TERI School of Advanced Studies, and Amity University, contributed to the scientific deliberations.

The conference witnessed the active participation of 144 participants, who contributed through 139 poster presentations and 15 model presentations. The event successfully promoted scientific exchange, research networking, innovation-driven thinking, and interdisciplinary collaboration in healthcare and life sciences.

SCHOOL OF NURSING · PUBLIC HEALTH

# Beyond the Classroom: Exploring Genomics Research and Biotechnology Innovation at IGIB




The Department of Biotechnology & Bioengineering, School of Biosciences & Technology, in association with the Institution's Innovation Council (IIC), Galgotias University, organized an industrial visit to the Institute of Genomics and Integrative Biology (IGIB), New Delhi. The visit aimed to provide students with practical exposure to advanced genomics research, biotechnology innovations, and modern laboratory practices.

A total of 59 students and 5 faculty members participated enthusiastically in the visit. During the programme, participants explored state-of-the-art research facilities, advanced instrumentation, and ongoing projects in genomics, molecular biology, bioinformatics, and healthcare technologies. Scientists and research experts from IGIB shared valuable insights into interdisciplinary research approaches, emerging biotechnology trends, and career opportunities in scientific research and innovation.

The visit enhanced students' understanding of real-world research environments and encouraged their interest in scientific exploration, innovation, and biotechnology-driven healthcare advancements. It also strengthened experiential learning and academic-industry interaction.







SCHOOL OF NURSING · PUBLIC HEALTH

# From Academia to Industry: Exploring Pharmaceutical Manufacturing at Sun Pharma










The Department of Biotechnology & Bioengineering, School of Biosciences & Technology, in association with the Institution's Innovation Council (IIC), Galgotias University, organized a field exposure visit to Sun Pharmaceutical Industries Limited on 29 April 2026. The visit aimed to provide students with practical insights into pharmaceutical operations and bridge the gap between academic learning and industrial practices.

During the visit, participants were introduced to key aspects of pharmaceutical manufacturing, including production processes, quality control measures, and regulatory compliance. Industry experts shared valuable insights into modern manufacturing technologies, workplace safety protocols, and the importance of maintaining stringent quality standards in drug development and production. The interaction with industry professionals helped students understand industry expectations, explore potential career pathways, and appreciate the practical application of their academic knowledge in pharmaceutical settings. Overall, the visit provided a valuable experiential learning opportunity, enhanced students' industry awareness, and encouraged them to develop the professional skills required for future careers in the pharmaceutical and biotechnology sectors.

SCHOOL OF NURSING · PUBLIC HEALTH

# Smart Health, Shared Innovation: Advancing Interdisciplinary Research through Faculty Development




The Faculty Development Program (FDP) titled "Smart Health Innovation: Integrating Imaging, Sensors & Biomaterials" was successfully organized from 14 to 19 July 2025 by the Department of Biotechnology & Bioengineering, School of Biosciences & Technology, Galgotias University, in collaboration with the Department of Applied Mechanics, MNNIT Allahabad, Prayagraj. The online programme witnessed enthusiastic participation from faculty members and research scholars across India.

The inaugural session commenced with a soulful Saraswati Vandana, followed by a welcome address by Prof. Abhimanyu Kumar Jha, Dean, School of Biosciences & Technology, Galgotias University, who highlighted the interdisciplinary vision and collaborative spirit of the programme. Dr. Gaurav Kumar, Head of the Department and Organizing Secretary, emphasized the relevance of integrating healthcare, engineering, and innovation while highlighting the programme's alignment with the Sustainable Development Goals. Dr. Uvanesh K., FDP Convener from MNNIT Allahabad, discussed the conceptual foundation of the programme and the importance of academic, research, and industry collaboration. The programme was further enriched by an inspiring address from Prof. R. S. Sharma, Distinguished Professor, Galgotias University, who emphasized innovation in biomedical research. Dr. Ajaya Bharti, Head (Officiating), Department of Applied Mechanics, MNNIT, encouraged active learning and interdisciplinary collaboration. The Chief Guest, Prof. R. S. Verma, Director, MNNIT Allahabad, shared valuable insights into building multidisciplinary research ecosystems. The FDP reinforced the importance of faculty capacity building, knowledge exchange, and collaborative research in advancing smart healthcare technologies.










INTRODUCTION & OVERVIEW

# Wisdom for Excellence: Integrating Bharatiya Gyan Parampara into Personal and Professional Life













The Department of Biotechnology & Bioengineering, School of Biosciences & Technology, Galgotias University, Greater Noida, successfully organized an expert talk on "Excellence in Personal and Professional Life: Ideas from Bharatiya Gyan Parampara" on 22 December 2025, from 07:00 PM to 08:00 PM, in online mode.

The session aimed to promote holistic development by connecting traditional Indian knowledge systems with contemporary personal and professional practices. The expert speaker highlighted timeless principles of Bharatiya Gyan Parampara, emphasizing self-discipline, ethical conduct, mindfulness, and purpose-driven living as essential foundations for achieving excellence in life and career. The talk also explored the relevance of indigenous wisdom in nurturing leadership, innovation, responsible decision-making, and sustainable growth in modern society.

A total of 148 participants, including students, faculty members, and external participants from various institutions across India, actively attended the session. The interactive discussion and reflective insights encouraged participants to adopt value-based approaches towards personal growth and professional success.

SCHOOL OF NURSING · PUBLIC HEALTH

# AI-Powered Healthcare: Driving Innovation and Entrepreneurship through Industry 4.0



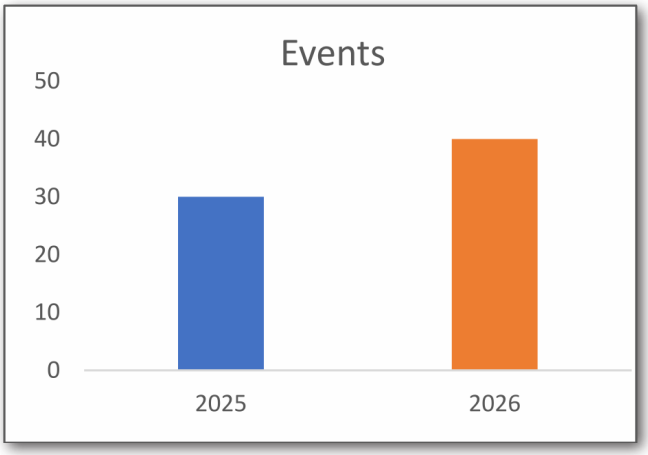


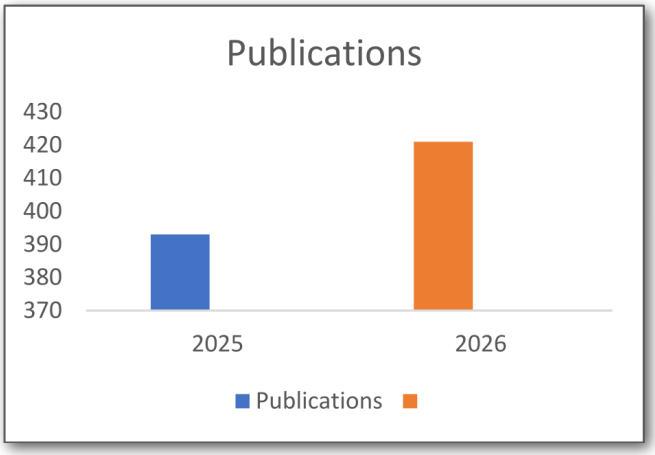


The Department of Biotechnology & Bioengineering, School of Biosciences & Technology, in collaboration with the Institution's Innovation Council (IIC), Galgotias University, Greater Noida, successfully organized an online expert session titled "AI and Industry 4.0 Tools for Healthcare Innovation & Entrepreneurship" on 29 December 2025 from 4:00 PM onwards.

The session aimed to highlight the transformative role of Artificial Intelligence, digital technologies, and Industry 4.0 tools in reshaping healthcare systems and entrepreneurial opportunities. Discussions focused on emerging trends such as AI-driven diagnostics, smart healthcare devices, data analytics, automation, and digital health startups. Participants gained valuable insights into how advanced technologies can enhance healthcare delivery, accelerate innovation, and support sustainable entrepreneurial ecosystems.

The interactive session encouraged students, faculty members, researchers, and external participants from various institutions across India to explore interdisciplinary collaborations and develop technology-driven solutions to real-world healthcare challenges. The programme also highlighted the growing importance of innovation and entrepreneurship in building an efficient, accessible, and technology-enabled healthcare ecosystem.




GALGOTIAS UNIVERSITY

Plot No. 2, Sector 17A, Yamuna Expressway,
Opposite Buddha International Circuit
Greater Noida, Gautam Buddha Nagar,
Uttar Pradesh 203201 (INDIA)

9717300418, 9582847072, 9810162221
0120-4370000 9717300343
admission@galgotiasuniversity.edu.in
www.galgotiasuniversity.edu.in