

GD Goenka University
**Sustainability Initiatives &
Achievements 2024**





SDG 1: No Poverty

GD Goenka University - Sustainability Initiatives and Achievements

1. Introduction

GD Goenka University is committed to advancing Sustainable Development Goal 1 (No Poverty) through inclusive education, research, and community engagement that empower individuals and uplift marginalized communities. The University recognizes that poverty eradication requires multidimensional action — from building human capacity and promoting entrepreneurship to fostering economic self-reliance and social equity.

Through its programs, research projects, and social initiatives, GDGU contributes toward sustainable economic growth and equitable access to opportunities. The University promotes financial inclusion, supports underprivileged students through scholarships, and collaborates with local communities to enhance skills and create livelihood opportunities. GD Goenka’s approach aligns with its core mission of empowering youth through education and innovation for societal well-being.

2. GD Goenka University Initiatives

a) Education for Empowerment

GDGU integrates social responsibility and sustainable development principles into its academic ecosystem. Programs such as BBA in Entrepreneurship and Innovation, MBA in Sustainability Management, and electives in Social Enterprise Development equip students with the knowledge and skills to design impactful solutions for economic empowerment. Through seminars, projects, and case studies, students are encouraged to apply classroom learning to real-world poverty challenges.

b) Scholarships and Financial Support

To ensure that economic barriers do not hinder access to quality education, GD Goenka University offers a wide range of merit-based, need-based, and special-category scholarships. In 2023–24, the University supported numerous students from economically weaker backgrounds under its Access to Excellence Scholarship Program. These initiatives reaffirm GDGU’s belief that education is a key enabler for breaking the cycle of poverty.



3. Student Engagement and Initiatives

Students of GDGU actively participate in community engagement under the “Goenka Social Impact Drive”, volunteering their time to mentor children from underprivileged backgrounds, conduct health and hygiene awareness sessions, and organize donation campaigns for rural schools. These initiatives nurture empathy, leadership, and a strong sense of civic duty among students.

a) Yuvamanthan MUN

The NSS unit of GD Goenka University organized Yuvamanthan MUN themed on India @2047 with the sub-theme 'Lifestyle for Environment.' The event took place in the GRG Moot Court Hall on 20 January 2024, witnessing enthusiastic participation from students across disciplines. They assumed the persona of their favourite politicians, engaging in insightful debates and a healthy exchange of ideas, exploring the given topic.

The MUN was conducted under the aegis of the All-India Political Party Meet (AIPPM) committee, presided over by the chair and the executive board. Various ideas were proposed, but the most notable and widely discussed one focused on innovative solutions for the future. A spirited debate on the necessity of guiding the country towards innovation ensued.

The event concluded with the recognition of three delegates who received awards for Best Delegate, High Commendation, and Special Mention. Aayush Bharadwaj, BA LLB, 5th Year, Batch 2019-2024, School of Law, received the Best Delegate award. Akshay Singh Antal, B.Tech ME, 4th Year, Batch 2020-2024, School of Engineering & Sciences, was honored with the High Commendation award, and Dia Solanki, BAJMC, 2nd Year, Batch 2022-2025, received the Special Mention award.



Yuvamanthan, 20th Jan 2020

b) Community Engagement and Skill Development

GDGU’s Community Connect Program facilitates social outreach in nearby villages by organizing vocational training workshops, digital literacy sessions, and entrepreneurship awareness programs. Local youth and women are trained in skills such as tailoring, food processing, basic IT, and financial management. The University also conducts financial literacy and employment-readiness sessions in collaboration with NGOs and government departments to enhance livelihood opportunities.



Panel Discussion on women in business

4. Partnerships for Inclusive Growth

The University collaborates with local NGOs, industry associations, and social enterprises to promote sustainable income generation for marginalized groups. Initiatives include supporting women’s self-help groups, rural entrepreneurship training, and collaborations that connect communities with market-based livelihood opportunities.

a) World NGO Day in association with Navjyoti India Foundation

The NSS Unit of GD Goenka University observed World NGO Day on 27 February 2024 in collaboration with Navjyoti India Foundation in an event themed around water, sanitation and hygiene in Ghamroj. In a collective display of unity and service to the community the team raised awareness around the theme of “Empowerment through Education and Creativity on Water, Sanitation and Hygiene”, taking a spirited rally through the village, meeting the local population, raising awareness on hygiene and understanding the concerns of the local populace regarding water issues. The team also interacted with the women in the village, understanding their concerns. A selected group of volunteers met children engaging them in interaction and informing them of basic hygiene processes. The team also donated hygiene related personal and professional items to the Navjyoti India Foundation. The events of the day were a true reflection of the selfless service to nation that characterises the NSS.



Celebration of World NGO Day on 27 February 2024



b) Donation Drive

The Alumni & NSS unit of GD Goenka University joined forces during a two-week donation drive for woollen clothes, uniting for this noble cause. Contributions received during the drive were collected and handed over to Harmony House, our NGO partner for the Alumni Meet, on January 18, 2024. Additionally, the students interacted with the children at the shelter, spreading cheer throughout.



c) Campus Employment and Inclusivity

GD Goenka University promotes inclusive employment practices by hiring support staff — such as gardeners, security personnel, and maintenance workers — from nearby rural areas, thus contributing directly to local economic stability. The University ensures fair wages, safe working conditions, and access to welfare benefits for all employees.



Early Exposure to University Level Academics & Professional Mentorship



Career Counseling Services For High School Students



STEM & Business Studies Courses



Interdisciplinary Research Methods



Students Explored Engineering Innovations at GDGU

Early Exposure to University Level Academics & Professional Mentorship



5. Research and Publications

GD Goenka University promotes interdisciplinary research that addresses the socio-economic dimensions of poverty and inequality. Faculty and student research projects explore themes such as financial inclusion, social entrepreneurship, sustainable livelihoods, and rural innovation. The School of Management, School of Humanities, and School of Law contribute research on inclusive economic models, women’s financial empowerment, and policy frameworks for social equity. These efforts generate actionable insights to support local and national poverty alleviation strategies.



SDG Goal -1 - No Poverty - 6 documents

S.No.	Type	Title	Authors	Journal / Book	Year
1	Article (Open Access)	Understanding the Moderating Effect of Altruistic Behavior on Support for Social Insurance in India	Ansari, Z.; Parwez, M.; Ansari, A.; Zaini, S.H.R.	Journal of Public Affairs	2025
2	Article	Taught, Told or Taboo: Role of 'Family' in Financial Socialisation Among Transgender Youth	Girija, S.; Banerji, B.; Agrawal, G.; Chaudhuri, S.; Ahuja, G.	International Social Science Journal	2025
3	Book Chapter	Emerging Technologies for Sustainable Soil Management and Precision Farming	Singh, A.; Tomar, B.; Margaryan, G.H.; Singh, O.; Ghazaryan, K.A.	Nanotechnology Applications and Innovations for Improved Soil Health	2024
4	Book Chapter	Nanotechnology and Agricultural Sustainability: Environmental Impacts and Benefits	Kumari, M.; Tomar, B.; Singh, P.K.; Patle, T.; Parihar, S.S.	Harnessing Nanoomics and Nanozymes for Sustainable Agriculture	2024
5	Article (Open Access)	Role of Artificial Intelligence in Case of Micro Enterprises and Tribal Entrepreneurships for Sustainable Economic Development	Sahoo, D.R.; Teena	EAI Endorsed Transactions on Scalable Information Systems	2024
6	Book Chapter	Breeding Efforts for Crop Productivity in Abiotic Stress Environment	Choudhary, J.R.; Get, S.; Tripathi, A.; Zaid, A.; Wani, S.H.	Augmenting Crop Productivity in Stress Environment	2022

6. Impact and Way Forward

GD Goenka University's initiatives under SDG 1: No Poverty underscore its commitment to inclusive and equitable development. By integrating education, research, and community service, the University strives to empower individuals with the skills and confidence to transform their socio-economic conditions.

Moving forward, GDGU aims to:

- Expand community-based training and micro-entrepreneurship programs.
- Strengthen collaborations with NGOs and social enterprises for larger outreach.
- Enhance financial support mechanisms for students from disadvantaged backgrounds.





SDG 2: Zero Hunger

GD Goenka University – Sustainability Initiatives and Achievements

1. Introduction

Sustainable Development Goal 2 (SDG 2), a cornerstone of the United Nations 2030 Agenda for Sustainable Development, represents a global commitment to eradicate hunger, achieve food security and improved nutrition, and promote sustainable agriculture. In a world where nearly 690 million people still suffer from chronic hunger and close to 2 billion experience varying levels of food insecurity, SDG 2 calls for a transformative shift in global food systems to ensure access to sufficient, safe, and nutritious food for all.

GD Goenka University (GDGU) actively embraces SDG 2 through a holistic approach that integrates research, campus sustainability, education, and community engagement. Through its Zero Hunger portal, the university reaffirms its dedication to food security, sustainable agriculture, and nutrition. It promotes research collaborations, hosts SDG-focused events and conferences, and fosters dialogue around hunger eradication and sustainable food systems.

On campus, GDGU demonstrates its commitment through practical sustainability initiatives such as hydroponic farming, food-waste recycling for horticulture, rainwater harvesting borewells, and reuse of treated water—contributing to environmental resilience and the strengthening of local food systems.

Academically, the School of Agricultural Sciences leads the effort by embedding sustainability and food-security themes within its curricula, offering lectures, talks, and workshops aligned with SDG 2. The university's TLASH (Transforming Lives through Adoption of SDGs and Holistic Learning) conference series and SDG-awareness programmes further encourage innovation and collective responsibility among students and faculty toward ending hunger.

Student engagement remains a vital pillar of GDGU’s SDG 2 framework. Awareness activities, expert lectures, and SDG-themed events nurture a generation of socially responsible learners who understand the interlinkages between food systems, sustainability, and community well-being.

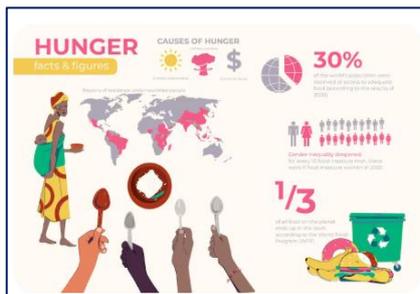


While detailed data on sponsored agricultural research—such as improving crop yield, developing nutraceuticals, or advancing food-security projects—are not yet fully published, the university’s current initiatives provide a strong foundation for future expansion. GDGU is well-positioned to strengthen its Zero Hunger agenda by documenting and publishing its agricultural and nutrition research, formalizing partnerships with farming communities, and launching student-driven campaigns such as food-waste reduction, community gardens, and local nutrition awareness drives.

2. GD Goenka University Initiatives

Through these combined efforts, GD Goenka University continues to translate the global vision of SDG 2 into tangible local actions—building pathways toward sustainable agriculture, equitable food access, and a hunger-free future.

Sustainable Development Goal 2: Zero Hunger



“Zero Hunger” is the target of Sustainable Development Goal 2 (SDG 2), one of the 17 Sustainable Development Goals adopted by the United Nations in 2015. The goal aims to end hunger, achieve food security and improved nutrition, and promote sustainable agriculture, underscoring the interlinkages between food systems, nutrition, and sustainable livelihoods.

At GD Goenka University, the School of Agricultural Sciences (SOAS) plays a pivotal role in advancing this global agenda through academic programmes, research, and community outreach. The school focuses on sustainable agricultural practices, food security, and rural development — preparing students to contribute to resilient and equitable food systems. The University promotes sustainability-driven education through its curricula, including modules on horticulture, agri-business, food technology, and environmental management. Regular workshops, seminars, and training programmes are conducted to support local farmers and Agri-entrepreneurs, fostering awareness of climate-smart and resource-efficient farming methods.





In addition, GD Goenka University promotes responsible consumption and food management across campus by raising awareness about food waste reduction and encouraging sustainable dining practices. Its initiatives aim to not only strengthen food security but also empower the next generation of professionals to lead change in agricultural innovation and sustainable development.

Through education, research, and community engagement, GD Goenka University remains committed to achieving the objectives of SDG 2: Zero Hunger — ensuring access to safe, nutritious, and sufficient food for all, while nurturing sustainable agricultural growth for a better future.

a) Education for Empowerment

GD Goenka University is committed to addressing global food security challenges and promoting sustainable agriculture through education, research, and community engagement. The School of Agricultural Sciences (SOAS) serves as a center of innovation, preparing students with the knowledge, practical skills, and interdisciplinary understanding necessary to contribute to resilient and sustainable food systems.

Through its undergraduate and postgraduate programs, the school integrates scientific learning with hands-on field-based training, enabling students to tackle real-world agricultural challenges such as soil health, climate-resilient crops, water-efficient practices, and sustainable food distribution. By embedding Environmental, Social, and Governance (ESG) and sustainability principles across curricula—including management, engineering, and design—the university equips graduates to lead in agribusiness management, food innovation, agricultural policy, and sustainable farming.



GD Goenka University actively works toward SDG 2: Zero Hunger by



- Eradicating hunger and malnutrition for all, including vulnerable groups such as children, adolescents, and women.
- Supporting small-scale food producers, boosting productivity, and promoting resilient, sustainable farming practices.
- Preserving genetic diversity of crops and livestock while improving agricultural productivity through research, technology, and extension services.
- Removing market barriers and ensuring timely access to food commodity information to strengthen equitable food systems.

By combining education, research, and practical initiatives, GDGU empowers students, faculty, and communities to create equitable access to nutritious food, build resilient agricultural ecosystems, and drive innovative solutions for sustainable food security.

School of Agriculture Sciences

b) Tracking and Reducing Food Waste

GD Goenka University actively monitors and minimizes food waste across its campus operations. The university has established a dedicated committee to oversee waste reduction initiatives in all food service establishments. At the ISO-certified central kitchen, wet and dry food waste is collected and regularly quantified. Awareness programs educate students and staff on the value of food and responsible consumption.

Collected dry food waste, including vegetable peels and fruit pulp, is repurposed as cattle feed or composted, while liquid waste is treated through on-campus facilities to prevent environmental contamination. These measures ensure sustainable resource use, reduce environmental impact, and support the university's commitment to SDG 2: Zero Hunger.



Vermicompost



c) Campus farming & hydroponics (practice → food)

GD Goenka runs hydroponic farming systems (Goenka Fresh / hydroponic polyhouse) and advanced greenhouse operations that produce fresh, sustainable produce and are used for teaching, hospitality training and demonstration of low-land, high-yield methods that reduce land/water pressure. These farm systems are practical demonstrations for improving local food availability and providing experiential learning. Goenka Fresh - Fresh Fruits & Vegetables from our state-of- the-art Hydroponic Facility

3. Student Engagement and Initiatives

The campus practices include recycling food waste into manure for horticulture, rainwater harvesting and treated-water reuse, and water-efficiency systems — all of which support resilient campus food production and reduce post-harvest and processing losses. These operational practices contribute indirectly but materially to Zero Hunger objectives by increasing local production and reducing waste. Sustainability Environmental, Social and Governance (ESG) <https://www.gdgoenka.com/people>



23rd May, 2023 - International Biodiversity Day



International Biodiversity Day is celebrated every year on 22nd May for increasing understanding and awareness about the importance, role, and issues concerning biodiversity amongst the stakeholders of biodiversity from different walks of life and the conservation and sustainable use of biological diversity on the earth. Celebrating International Biodiversity Day every year affirms our resolve and reflects our responsibility to safeguard the precious heritage of bio-resources for future generations on the earth.

The theme for the celebration of International Biodiversity Day this year is “From Agreement to Action: Build Back Biodiversity”. On this occasion, the School of Agricultural Sciences, GD Goenka University, Sohna, also celebrated International Biodiversity Day on 22nd May 2023 at the Crop Cafeteria, Agricultural Farm. Approximately 35 students, all faculty members of SOAS, and a few faculty members from other schools like SOMAS and SOES were also present at this event. While addressing the participants, Dr. S. S. Tomar, Dean, SOAS, highlighted the importance of celebrating International Biodiversity Day and the need for conservation and sustainable utilization of bio-resources. He emphasized the significance of biodiversity on earth and stressed the need for the sustainable use and conservation of bio-resources to prevent further habitat degradation and control the extinction of threatened species. Various activities such as the plantation of trees and student rallies were organized to raise awareness about building back biodiversity. Different slogans like “Biodiversity is Life” and “Biodiversity starts in the distant past and it points towards the future” were prepared by students to create awareness within the community.

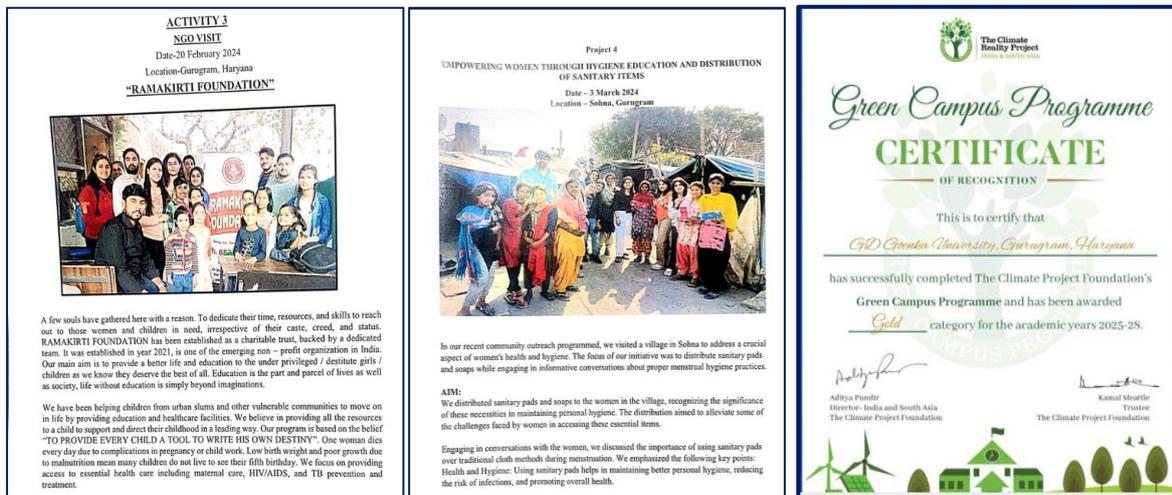
4. Extension, outreach and events

GDGU records extension and outreach activities (NSS/NCC and SDG-related events). The university hosts SDG-focused conferences and events (e.g., TLASH) and runs lectures/awareness programs that include SDG 2 themes, helping translate campus knowledge into community engagement and policy dialogue. <https://www.gdgoenkauniversity.com/conference/digital-agriculture>



GD Goenka University in collaboration with College of Agriculture, Agricultural Development Trust, Baramati focuses on developing the student skills, knowledge generation, participation, agricultural innovation, through a training programme for 12 days to get immense Hands-on Experience and

Exposure to modern agricultural technology interventions. The total 59 students were participating, and they were divided in to two batches. The training programme was started with the orientation Programme on 28th December 2021 conducted by Prof. C.V. Shende, Training Coordinator. The programme was graced with Hon’ble, Prof. Nilesh Nalwade, Director, College of Agriculture, Baramati. Hon’ble, Director, CoA, Baramati, highlighted the key notes related to successful training programme.



08th January, 2022A Report on Educational Tour to College of Agriculture, Baramati

5. Recognition & corporate/organizational levels

GDGU's campus sustainability efforts have been externally recognized (Gold under a Green Campus programme), showing institutional commitment to environmental stewardship that supports sustainable food systems. The GD Goenka Group also operates Goenka Fresh which links university practice to produce supply and sustainable farming demonstration. GD Goenka University Awarded Gold under the Green Campus Programme

Faculty Awards/Recognitions



Research Excellence Award From GBUAT, Pantnagar 2022

Visit To French Embassy As Alumni Ambassador In 2022-23

Judge At CBSE National Science Exhibition In 2023

Global Excellency Award By Bhavya Foundation In 2024 Dr Arpita Sharma

Global Excellency Award By Bhavya Foundation In 2024 Dr Varsha Pandey

Woman Scientist Award At Hansraj College Delhi University In 2024

GD Goenka University (GDGU) contributes to SDG 2 — Zero Hunger — by combining academic programmes (School of Agricultural Sciences, ESG & sustainability courses), practical campus farming (hydroponic polyhouses / Goenka Fresh), and operational sustainability practices (food-waste recycling, rainwater harvesting and treated water reuse). Through extension activities, SDG events and partnerships, GDGU fosters research-to-practice pathways that increase local food production, reduce waste, and build student and community capacity to address food security challenges.



Our Pride

**GOENKA
FR^oSH**

**Interdisciplinary Innovation-
Production & Trading of
Organic Fruits & Vegetables**



Hi-Tech Polyhouse



Bee Keeping Unit



Colors



Vegetable Farm



Floral Products



Propagation Techniques of
Ornamental Plants

www.gdgoenkauniversity.com



10



Internship/Field Project

(Integrated as a part of curriculum as recommended by the regulatory authority)



Our Training Partners (RAWE)



NARC Nepal



COA Baramati



SKUAST Kashmir



KVK Darjeeling



11



Internship/Field Project

Our Training Partners (Agro-Industrial Attachment)



6. Research and Publications

GD Goenka University actively advances SDG 2 through focused research and scholarly publications. The School of Agricultural Sciences (SOAS) leads initiatives in sustainable agriculture, climate-resilient crops, soil and water management, crop genetics, and agri-technology. Faculty and students have contributed around 51 publications in peer-reviewed journals, conference proceedings, and book chapters addressing key issues such as boosting productivity of small-scale producers, enhancing food security, preserving genetic diversity, and promoting sustainable farming practices.

These research outputs support evidence-based solutions, knowledge transfer to farmers and policymakers, and integration of practical insights into teaching and extension activities. Through this rigorous research agenda, GDGU reinforces its commitment to eliminating hunger, improving nutrition, and building resilient agricultural ecosystems.



SDG Goal -2 Zero hunger - 51 documents

S. No	Type	Title	Authors	Journal / Book	Year
1	Review (Open Access)	Chamomile for Health: Evaluating Cultivation Practice and Exploring its Pharmaceutical Potential	Nautiyal, M.; Debbarma, B.; Dumka, B.B.; Rani, A.; Chaddha, N.	Journal of Natural Remedies	2025
2	Article	Generation of Biparental Progenies and Dissection of Gene Action for Yield and Related Traits in Lentil (<i>Lens culinaris</i> L. Medikus)	Deep, H.; Verma, S.K.; Gaur, A.K.; Chauhan, C.; Roy, D.	Indian Journal of Genetics and Plant Breeding	2025
3	Book Chapter	Industrial Application of Bio-nanomaterials in Agriculture	Pandey, V.; Sharma, A.; Kumar, D.; Samadhiya, N.; Tomar, S.S.	Bio Nanomaterials in Environmental Remediation Industrial Applications	2025
4	Article	The PROMETHEE-GAIA: A Multi-criteria Decision-making Method for Identifying Best Conservation Agricultural Practices	Biswas, T.; Ishizaka, A.; Majumder, A.; Mishra, P.M.; Acharya, S.K.R.	Soil and Tillage Research	2025
5	Article	Unraveling the Nexus Between Crop Residue Burning and Air Quality in Haryana State, India	Neelam, N.; Rathee, R.K.; Mishra, S.K.	Paddy and Water Environment	2025
6	Article	Assessment of Yield Losses and Management of Southern Corn Rust (<i>Puccinia polysora</i>) Through the Foliar Application of Chemical Fungicides, Botanicals Extract and Bio-agents	Chhetri, S.; Debnath, S.; Yonzone, R.; Subba, B.	Archives of Phytopathology and Plant Protection	2025
7	Book Chapter	Speed Breeding: Space Inspired Plant Breeding for Crop Improvement	Roy, D.; Deo, I.; Kushwaha, U.K.S.; Singh, P.K.	Smart Technologies in Sustainable Agriculture: Current and Future Prospects	2025
8	Article	Diversity and Abundance of Pollinators in Different Agroecosystems of West Sikkim, India	Subba, B.; Gurung, B.; Thapa, S.; Chhetri, S.	Journal of Entomological Research	2024
9	Article	Evaluation of Management Practices in Rice–Wheat Cropping System Using Multicriteria Decision-making Methods in Conservation Agriculture	Biswas, T.; Majumder, A.; Dey, S.; Ishizaka, A.; Matuka, A.	Scientific Reports	2024
10	Book Chapter	Agriculture Policies and Regulations for Application of Biogenic Products	Parihar, S.S.; Tomar, B.; Patle, T.; Malik, V.; Gupta, S.	Sustainable Agriculture Nanotechnology Biotechnology Management and Food Security	2024

11	Book Chapter	Nanoparticle-mediated Approaches in Agriculture Addressing Abiotic Stress from Soil to Plant Cells	Rajput, V.D.; Singh, A.; Tomar, B.; Singh, R.K.; Ghazaryan, K.A.	Nanotechnology Applications and Innovations for Improved Soil Health	2024
12	Book Chapter	Emerging Technologies for Sustainable Soil Management and Precision Farming	Singh, A.; Tomar, B.; Margaryan, G.H.; Singh, O.; Ghazaryan, K.A.	Nanotechnology Applications and Innovations for Improved Soil Health	2024
13	Book Chapter	Recent Advances in CRISPR/Cas9 for Climate-Resilient Agriculture in Vegetable Crops	Dinkar, V.; Kushwaha, A.K.; Singh, A.K.; Kumar, A.; Singh, B.	Climate Resilient Agriculture: A Molecular Perspective	2024
14	Article	Groundwater Resilience in Rice-Growing Regions: Utilizing GRACE Data for Sustainable Water Management	Neelam; Rathee, R.K.; Mishra, S.K.; Kumar, A.	Water and Energy International	2024
15	Book Chapter	Enhancing Nutrient Uptake with Nano Fertilizers and Soil Amendments	Tomar, B.; Patle, T.; Parihar, S.S.; Singh, P.K.; Tomar, S.S.	Harnessing Nanoomics and Nanozymes for Sustainable Agriculture	2024
16	Book Chapter	Nanotechnology Solutions for Sustainable Pest and Disease Control for Sustainable Agriculture and Food Security	Singh, P.K.; Tomar, B.; Patle, T.; Tomar, S.S.; Singh, D.	Harnessing Nanoomics and Nanozymes for Sustainable Agriculture	2024
17	Book Chapter	Nanotechnology and Agricultural Sustainability: Environmental Impacts and Benefits	Kumari, M.; Tomar, B.; Singh, P.K.; Patle, T.; Parihar, S.S.	Harnessing Nanoomics and Nanozymes for Sustainable Agriculture	2024
18	Book Chapter	Nanotechnology-based Soil Improvement and Conservation for Enhancement of Crop Production	Patle, T.; Tomar, B.; Parihar, S.S.; Tomar, S.S.; Singh, P.K.	Harnessing Nanoomics and Nanozymes for Sustainable Agriculture	2024
19	Book Chapter	Advanced and Intelligent Nanofertilizer-based Soil Management for Sustainable Agriculture	Tomar, B.; Tomar, S.S.; Parihar, S.S.; Patel, H.; Singh, P.K.	Sustainable Agriculture Nanotechnology and Biotechnology for Crop Production and Protection	2024
20	Review (Open Access)	Pesticides Impacts on Human Health and the Environment with Their Mechanisms of Action and Possible Countermeasures	Ahmad, M.F.; Ahmad, F.A.; Alsayegh, A.A.; Abdelrahman, M.H.; Hussain, S.	Heliyon	2024
21	Conference Paper (Open Access)	Precision Agriculture and Sustainable Yields: Insights from	Vatin, N.I.; Joshi, S.K.; Acharya, P.; Sharma, R.; Rajasekhar, N.	Bio Web of Conferences	2024

		IoT-Driven Farming and the Precision Agriculture Test			
22	Book Chapter	Enhancing the Nutrient Use Efficiency Through Nano-Biochar	Deb, P.	Nanomaterials and Nano Biochar in Reducing Soil Stress: An Integrated Approach to Sustainable Agriculture	2024
23	Book Chapter	Impact of Nanotoxicity in Soil Microbiome and Its Remedial Approach	Pandey, B.K.; Jha, S.; Jha, G.; Shukla, S.K.; Dikshit, A.	Microbiome Based Decontamination of Environmental Pollutants	2024
24	Conference Paper	Novel Plant Leaf Disease Detection Approach Using Hybrid Deep Learning Strategy	Vamshi, J.; Tanwar, S.; Thatipudi, J.G.; Mukherjee, S.; Mandhare, J.B.	Proceedings of the 5th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2024)	2024
25	Conference Paper	Development of a Sustainable Business Model During COVID-19 for Agri-Food System	Anh, D.N.; Chandra, S.; Vali, S.M.; Sharma, A.; Joshi, N.	3rd International Conference on Advances in Computing Communication and Materials (ICACCM 2024)	2024
26	Book Chapter	Agronomic Strategies for Enhancing Forest Resilience to Climate Change	Kumar, D.; Pandey, V.; Dixit, S.	Forests and Climate Change: Biological Perspectives on Impact, Adaptation and Mitigation Strategies	2024
27	Review (Open Access)	Engineered Nanoparticles: A Novel Approach in Alleviating Abiotic and Biotic Stress in Millets – A Complete Study	Mohan, N.; Ahlawat, J.; Sharma, L.; Jogender; Yadav, S.	Plant Stress	2023
28	Article (Open Access)	Evidence of Population Expansion and Insecticide Resistance Mechanism in Invasive Fall Armyworm (<i>Spodoptera frugiperda</i>)	Samanta, S.; Barman, M.; Thakur, H.; Samanta, A.; Tarafdar, J.	BMC Biotechnology	2023
29	Book Chapter	Improving Plant Nutrient Use Efficiency for Climate-Resilient Agriculture	Deb, P.; Mandal, A.; Harendra; Santra, S.C.; Moulick, D.	Climate Resilient Agriculture	2023

30	Article	Endophytic Bacteria from the Desert Spurge (<i>Euphorbia antiquorum</i>) Enhance Nutrient Uptake and Suppress Root Rot in the Common Bean	Eke, P.; Kuleshwar Prasard, S.; Asharani, P.; Nya Dinango, V.N.; Kumar, A.	Biocatalysis and Agricultural Biotechnology	2023
31	Book Chapter	Essential Fruits for Nutrition and Their Beneficial Effects on Human Health	Rane, B.R.; Keservani, R.K.; Rasal, K.B.; Gupta, A.K.; Jain, A.S.	Nutraceutical Fruits for Human Health	2023
32	Article (Open Access)	Conjoint Application of Nano-Urea with Conventional Fertilizers: An Energy Efficient and Environmentally Robust Approach for Sustainable Crop Production	Upadhyay, P.K.; Dey, A.; Singh, V.K.; Dasgupta, D.; Shukla, G.	PLOS One	2023
33	Book Chapter	Forage Cropping Under Climate Smart Farming: A Promising Tool to Ameliorate Salinity Threat in Soils	Sathyanarayana, E.; Kumar, B.P.; Tirunagari, R.; Teja, K.C.; Thallapally, S.	Molecular Interventions for Developing Climate Smart Crops: A Forage Perspective	2023
34	Article (Open Access)	Detection and In Silico Characterization of Banana Bunchy Top Virus in West Bengal, India: Relevance to Global Genetic Diversity and Population Structure	Chakraborty, S.; Dutta, S.; Barman, M.; Poorvasandhya, R.; Tarafdar, J.	VirusDisease	2023
35	Article	Mutagenic Effect of Hydroxyl Amine and Sodium Azide on the Performance of Tomato (<i>Solanum lycopersicum</i> L.)	Kumar, R.; Singh, L.; Ahmad, T.; Ahmed, B.	Crop Research	2023
36	Article (Open Access)	Transcription Dynamics of Heat-Shock Proteins (Hsps) and Endosymbiont Titres in Response to Thermal Stress in Whitefly, <i>Bemisia tabaci</i> (Asia-I)	Barman, M.; Samanta, S.; Ahmed, B.; Tarafdar, J.; Roy, D.	Frontiers in Physiology	2023
37	Article	Abundance and Diversity of Arthropod Faunal Complex on Wheat Agroecosystem in Terai Region of West Bengal, India	Gurung, B.; Reza, M.W.; Pal, S.; Subba, B.; Gurung, B.	Journal of Entomological Research	2023
38	Book Chapter	Bacillus Secondary Metabolites and Their Applications in Agriculture	Barman, M.; Shah, M.H.; Samanta, S.; Pramanik, K.; Islam, S.	Bacterial Secondary Metabolites: Synthesis and Applications in Agroecosystem	2023
39	Article (Open Access)	Unveiling the Combined Effect of Nano Fertilizers and Conventional Fertilizers on Crop Productivity, Profitability, and Soil Well-being	Upadhyay, P.K.; Singh, V.K.; Rajanna, G.A.; Dash, S.; Rawat, S.	Frontiers in Sustainable Food Systems	2023
40	Article	Impact of Crop Residue Burning on Groundwater Storage and Air Quality	Neelam; Rathee, R.K.; Kumar, A.	Water and Energy International	2023
41	Article	Exploring Intraspecific Provenance Variation in Seed	Meenakshi; Rana, N.S.; Bharti;	Journal of Tropical Forest Science	2023

		Morphological Traits of <i>Albizia procera</i> in Mid-Himalayan Region of India	Sankhyan, N.; Ghabru, A.		
42	Article (Open Access)	First Record of <i>Clonostachys rosea</i> (Ascomycota: Hypocreales) Entomopathogenic Fungus in the Mango Hopper <i>Amritodus atkinsoni</i> (Hemiptera: Cicadellidae)	Tamta, A.K.; Pandey, R.; Sharma, J.R.; Alrumman, S.A.; Helal, M.M.K.	Pathogens	2022
43	Book Chapter	Contamination and Impacts of Metals and Metalloids on Agro-Environment	Jha, S.; Singh, R.; Jha, G.; Singh, P.; Dikshit, A.	Metals and Metalloids in Soil Plant Water Systems: Phytophysiology and Remediation Techniques	2022
44	Book Chapter	Overview of Soil Fertility from Past to Present	Sathyanarayana, E.; Bharghavi, J.; Saranya, S.; Sunita, K.; Jatav, H.S.	Ecosystem Services: Types, Management and Benefits	2022
45	Review (Open Access)	Salinity Stress in Potato: Understanding Physiological, Biochemical and Molecular Responses	Chourasia, K.N.; Lal, M.K.; Tiwari, R.K.; Kim, J.; Pramanik, D.	Life	2021
46	Article	Assessment of Crop Loss Caused by <i>Chilo partellus</i> in Maize	Kumar, P.A.; Suby, S.B.; Jaswinder, K.; Reddy, L.M.; Jha, G.K.	Indian Journal of Agricultural Sciences	2021
47	Article	Farmers' Perception, Adaptation to Groundwater Salinity, and Climate Change Vulnerability: Insights from North India	Mitra, S.; Mehta, P.K.; Mishra, S.K.	Weather, Climate and Society	2021
48	Book Chapter	Bacterial Community Response to Pesticides Polluted Soil	Dhanker, R.; Goyal, S.; Kumar, K.M.; Hussain, T.	Recent Advancement in Microbial Biotechnology: Agricultural and Industrial Approach	2021
49	Conference Paper	Can Organic Products Be Sustainable in Present Business Environment?	Alam, A.; Jamal Mahmood, S.M.	Proceedings of the International Conference on Industrial Engineering and Operations Management	2021
50	Article	Income and Consumption Expenditure Pattern of Marginal and Small Farmers in Punjab	Kingra, H.S.; Kaur, M.; Singh, S.; Bhogal, S.; Arora, R.	Indian Journal of Economics and Development	2020
51	Article	Endophytic Bacteria from the Desert Spurge (<i>Euphorbia antiquorum</i>) Enhance Nutrient Uptake and Suppress Root Rot in the Common Bean	Eke, P.; Kuleshwar Prasad, S.; Asharani, P.; Nya Dinango, V.N.; Kumar, A.	Biocatalysis and Agricultural Biotechnology	2023

7. Impact and Way Forward

GD Goenka University's initiatives in sustainable agriculture and food security have created measurable impacts, including enhanced student competencies in agri-technology, increased awareness of food waste reduction, and the dissemination of research-driven solutions to local farming communities. The integration of practical training, interdisciplinary learning, and community outreach has empowered students and faculty to contribute directly to resilient and equitable food systems.

Moving forward, the University aims to expand its research collaborations, strengthen industry and government partnerships, and implement innovative pilot projects in climate-resilient agriculture, sustainable food production, and nutrition-sensitive farming. By continuously evolving its educational, research, and outreach strategies, GDGU is committed to driving systemic change, ensuring food security, and contributing meaningfully to the achievement of SDG 2 at local, national, and global levels.



Innovation & Incubation: Start ups



WELCOME TO MISTAA GREEN
Transforming Urban Landscapes

ELEVATE YOUR HEALTHY LIVING
Innovative Organic Rooftop & Kitchen Gardens

Roof Top Farming
Kitchen Gardens
Fruit Bag

CULTIVATING A SUSTAINABLE TOMORROW
One Rooftop at a Time...

DID YOU KNOW?
The act of watering, pruning, and caring for plants can be a form of mindfulness, providing a treat from the stresses of daily life and promoting mental well-being.

WIN THE ECO GAME
Protect Your Environment from Loss

WIN THE ECO GAME Protect Your Environment from Loss

Nature Meets Artistry
Experience the perfect harmony of nature and artistry with our bespoke, landscape solutions.

- Personalized Expertise
- Quality Craftsmanship
- Comprehensive Service

+91 830 77 43459 / info@mistaagreen.com
@mistaagreen

Vertical Roof Top Landscaping
Date of registration: 4 November 2023
Registration No: U01619HR2023PTC114639



Organic Vermicomposting
Date of registration: 4 October 2023
Registration No: Awaiting

FARMHEAL

Start 2021 with **ORGANIC KITCHEN GARDEN**

BOOST IMMUNITY POWER WITH HERBAL GARDEN

WHY ORGANIC GARDENING?

Due to small size of liver and kidneys, some amount of chemical in food is likely to be 15 times more toxic to a children than to an adult.

KEY BENEFITS

Best in quality produce
Better taste, smell, colour
High nutrient content
Promotes physical health
Promotes mental health
Saves money

PRODUCT FEATURES

2 Quare Feet of 1000 Sq Ft Area
Advanced Top System, Drainage System, Growing Media
Free-Quota Free Installation/Setup/Service No. Online Support

HURRY NEW YEAR OFFER
₹ 60,000/-
₹ 19,000/- Unit

www.farmheal.in | info@farmheal.in
Call - 7238 82867, 93507 72375

Organic Vermicomposting
Date of registration: 4 Nov 2018
Registration No: BRN8005220049000526





Empowering the Farming Community



Krishi Mela Farmer Awareness Program
 Abheypur Village, 18-19th
 December 2022



58



SDG 3: Good Health and Well - Being

GD Goenka University – Sustainability Initiatives and Achievements

1. Introduction

Sustainable Development Goal 3 (SDG 3) aims to ensure healthy lives and promote well-being for all at all ages. Recognizing that health is a foundation for personal fulfilment and sustainable development, GD Goenka University integrates the principles of SDG 3 across its academic programs, campus environment, and community engagement initiatives.

In 2023, the University enhanced its commitment to holistic health and wellness by strengthening healthcare services, promoting mental health awareness, and embedding health education into curricular and co-curricular activities. The University’s Medical and Allied Health Sciences programs continue to play a crucial role in advancing medical research, healthcare innovation, and community health outreach.

Through wellness drives, blood donation camps, preventive health workshops, and collaborations with public health organizations, GD Goenka University actively contributes to improving health outcomes both on campus and in surrounding communities. Student clubs and faculty initiatives focus on fitness, nutrition, emotional well-being, and disease prevention, ensuring that every member of the University community is empowered to make informed health choices.

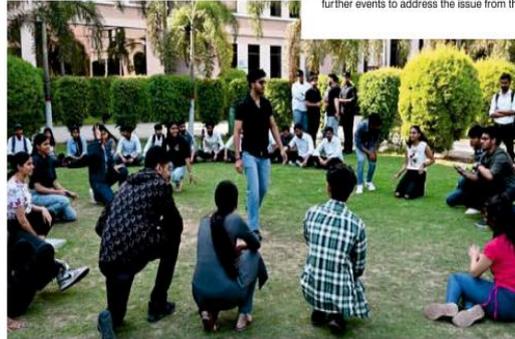
By fostering a culture of care, compassion, and social responsibility, GD Goenka University upholds SDG 3 as a vital part of its mission—developing responsible global citizens who value well-being, advocate for public health, and contribute to building healthier, more sustainable societies.





NO SMOKING DAY

The NSS Unit observed No Smoking Day through a nukkad natak on 9 March 2023. The Unit also floated an anonymous questionnaire among the students on the campus which was self-reflecting in nature and tried to understand the motivations/influences on the youth which pushes them towards smoking. The findings of this questionnaire will be used in further events to address the issue from the perspective of the youth.



Policy Focus for 2023–24 - The University's SDG 3 strategy was organised around the following pillars:

- Preventive and curative health awareness for communities near the campus
- Applied research in diagnostics, pharmaceuticals, physiotherapy, and health technology
- Mental-health literacy and campus wellness initiatives
- Alignment with the SDG 3 targets 3.3, 3.4, 3.8, and 3.d

2. GD Goenka University Initiatives

a) **Education:** Education plays a key role in advancing SDG 3, which promotes good health and well-being for all. Through health-focused learning, awareness programs, and skill-based training, students develop a strong understanding of preventive care, mental wellness, and healthy lifestyles. Educational institutions help shape responsible individuals who value physical and emotional well-being and contribute to healthier communities. By integrating health education, wellness initiatives, and accessible support services into campus life, universities like GD Goenka University strengthen public health awareness and foster a culture of holistic well-being.

Awarded with "The 10 Best University in Physiotherapy, 2020" by The Knowledge Review

Awarded with "Best University in Pharmacy Education-2021-22" by ABP News

2023-24 & 2024-25:
Ranked in the 101-125 band in the NIRF Rankings

1st Position at GD Goenka University through AD Scientific Index 2024

b) Community Health Outreach: The NSS Unit organised a blood donation camp on 20 March 2024 in collaboration with the Indian Red Cross Society, where 84 units of blood were collected.



- In February 2024, NSS volunteers carried out a hygiene and sanitation awareness drive in a nearby adopted village and distributed hygiene kits.



• No Smoking Day

The NSS Unit of GD Goenka University observed No Smoking Day with a focused initiative aimed at reaching out to the university community and sensitizing students to the harmful effects and risks associated with smoking. A digital pamphlet spreading awareness on the issue was shared with all students through email on 13 March 2024. Additionally, an anonymous, self-reflective questionnaire was circulated among the student community to understand the motivations and influences that lead young people toward smoking.

The insights gathered from this questionnaire will be used in future events to address the issue from a youth-centered perspective.



- **Lifestyle Disease Rallies**

Students participated in awareness walks promoting safe health practices, physical activity, and disease prevention.



c) Mental Health and Wellness

i. Awareness Activities

Awareness sessions focusing on stress management and emotional well-being were carried out within the campus. To support SDG 3, the institution conducts the Vartah mental health awareness programme, aimed at strengthening emotional well-being among students and educators. Through Vartah 1.0, 2.0, and 3.0, themes such as risk management, exam performance, youth mental health, and the pressures of competitive exams were addressed, benefitting over 400 participants. The initiative promotes early identification of stress, healthier coping strategies, and a supportive school environment. Additionally, the establishment of eight dedicated counselling rooms ensures accessible, confidential mental health support on campus. These efforts collectively contribute to fostering a resilient and mentally healthy student community.

Best Practices – Mental Health & Well being (Vartah)

117 beneficiaries
Vartah 1.0 21st & 22nd July 2023
Theme: **Risk Mangement**

167 beneficiaries
Vartah 2.0 19th & 20th Jan 2024
Theme: **Exam, Performance & Skills**

120 beneficiaries
Vartah 3.0 11th & 12th July 2024
Theme: **Youth Mental Health & the challenges of competitive exams**

Infrastructure & Learning Resources

Counselling Room 1 Counselling Room 2 Counselling Room 3 Counselling Room 4
Counselling Room 5 Counselling room 6 Counselling Room 7 Counselling Rooms 8



ii. Promoting Health and Wellness Through Sports and Fitness

GD Goenka University supports physical and mental well-being by providing students and staff with access to a comprehensive sports and fitness infrastructure. The campus includes a well-equipped gymnasium, a fitness centre, a half-Olympic swimming pool, and athletic tracks. [Campus Life | GD Goenka University, Gurugram](#)

Regular participation in sports such as swimming, athletics, and indoor games encourages healthy habits, resilience, and stress management. The university's policies explicitly promote inclusive access to physical activity: its administration manual states that all students and staff must be involved in at least one physical activity, and that the university will provide the necessary facilities, equipment, and support. [Admin-Manual](#)

By integrating fitness into campus life, GD Goenka University advances SDG 3 by strengthening preventive health, fostering mental wellness, and building a culture where physical activity is part of everyday life.



iii. Participatory Bodies for Stakeholder Engagement

GDGU has instituted committees and bodies for participatory engagement. For example, each School of the university lists committees such as the Anti-Ragging Committee and Disciplinary Committee that include faculty and student members. Committees The university governance framework lists academic councils and boards (e.g., Board of Studies) which typically include external stakeholders such as members of industry, alumni, and government. Admin Manual



These participatory bodies help ensure that decision-making incorporates diverse voices (students, faculty, community, industry) and fosters responsiveness to stakeholder needs.

<https://www.gdgoenkauniversity.com/internal-committee>

ELECTORAL CLUB

**SCHOOL OF LAW
LEGAL AID COMMITTEE & ELECTORAL CLUB**
Organises Legal Aid Awareness Camp at Shaheedi Samadhi, Chamraj Village on

**Theme: For Democracy & Detox:
A Vote Against Drugs, A Vote for Youth**

18 March 2024
Street Play on 'Jan Jan Bole, Saare Raaste Khole' and Door-to-Door Campaign.

legalaidclinic@gdgoenka.ac.in
Faculty Incharge: Mr. Sandeep C.
Faculty Co-Incharge: Ms. Vibha Blandhu
Student Incharge: Ms. Anisha Raghav & Ms. Dhanvi Kadian

PO10: Legal Aid
PO05: Communication Skills
PO07: Ability to Collaborate

SDG 3: Good Health and Well-Being
SDG 16: Peace, Justice and Strong Institutions
Course: SLL2705 Constitutional Law-I

Awareness session at Dream Girls Foundation

Visit to NGO, Apr 26, 2023

Visit to NGO, Apr 2, 2024

iv. Teaching and Learning

GD Goenka University integrates the principles of peace, justice, and strong institutions throughout its curriculum, pedagogy, and governance practices. The School of Law leads this effort by fostering legal awareness, constitutional literacy, and respect for human rights among students. Courses such as Constitutional Law, Jurisprudence, Human Rights Law, and Public International Law train students to understand and uphold justice and good governance.

The School of Humanities and Social Sciences and the School of Management also embed institutional and ethical themes in their curricula—through subjects addressing ethics in leadership, governance, and corporate



responsibility. In 2023, GDGU organized workshops on Constitutional Obligations and Governance and legal-literacy seminars encouraging active civic engagement. (Constitutional Management Session) These learning experiences cultivate responsible citizens and professionals capable of strengthening justice systems and institutions in society.

SDGs aligned with Programs

School of Liberal Arts

G.D. GOENKA UNIVERSITY
UGC APPROVED

Partnerships for the Goals

Gender equality

Quality Education

Good Health & Wellbeing

Curricular Aspects

- Community Health & its applications PSY4007
- Community Mental Health PSY7727
- Trauma Management PSY4006
- Understanding Psychological Disorders PSY7561
- Psychotherapeutic Interventions PSY7726
- Globalization and Global Politics PSC2726
- Counselling: Marriage, Adolescent & Vocational PSY7732
- Gender, Sexuality and Agency: Indian Women Writers in English ENG1725
- Counselling Children & Adolescents PSY7735
- Environmental Studies ENV1702
- Indian Knowledge System SOH8005
- Indian Political Thought I PSCI812
- Psychological First Aid PSY4002

Local Regional
Global National

www.gdgoenkauniversity.com

Key Health-Research Facts from GD Goenka University (2023–24)

a) Centre of Excellence in Healthcare & Allied Sciences

- GD Goenka University's School of Healthcare & Allied Sciences has a dedicated Center of Excellence focused on pharmacy, physiotherapy, and optometry research. The CoE explicitly lists *drug discovery*, *pharmacovigilance*, *rehabilitation research*, and *tele-optometry* among its research focus areas. [Center of Excellence in Healthcare & Allied Sciences](#)

G D Goenka Memorial Health & Wellness Centre @SoHAS

Outcomes :

- ❖ Hands-on Clinical Training
- ❖ Community Engagement.
- ❖ Multispecialty Exposure – Cases from Ortho, Neuro, Cardio, and Sports rehab enhance learning.
- ❖ Better Patient Communication
- ❖ Team-Based Approach
- ❖ Evidence-Based Practice

Cervical Exercise

Hamstring Muscle Stretching

HIP Joint Exercise



b) PhD Research in Healthcare

- The university offers a **full-time PhD** in the School of Healthcare & Allied Sciences. The curriculum includes independent research, grant proposal writing, thesis development, and publication. [Ph.D SOHAS Full Time](#)

Dr. Divya
Demonstrator, Physiotherapy

Qualification: BPT, MPT (Neurology)
 College/University: DIPSA, Indian Spinal Injuries Central Institute of Rehabilitation Sciences Delhi



Introduction:
 Dr. Divya, A demonstrator in the Department of Physiotherapy at GD Goenka university, specializing in Neurological Rehabilitation. Dr. Divya's key areas of research include stroke rehabilitation, upper limb rehabilitation, geriatrics rehabilitation, and pediatric rehabilitation. With a deep commitment to advancing the field of physiotherapy, she focuses on developing innovative therapeutic approaches that enhance recovery outcomes for patients with neurological conditions.

Dr. Divya has extensive experience working with diverse patient populations, applying evidence-based techniques to improve functional mobility and quality of life. Her research aims to bridge the gap between clinical practice and emerging therapeutic strategies, contributing significantly to the understanding and treatment of neurological impairments. At GD Goenka, she is dedicated to educating the next generation of physiotherapists, fostering an environment of learning, research, and clinical excellence.

Research Area - stroke rehabilitation, upper limb rehabilitation, geriatrics rehabilitation, and pediatric rehabilitation.

Major Subject Handled - Biochemistry, Patho-microbiology, General Medicine, Obs-gynae, Ent and optometry and Pediatrics.

c) Faculty Research Example – Physiotherapy

- Dr. Divya, a faculty member in the Department of Physiotherapy, works on *stroke rehabilitation, neurological rehabilitation, geriatric rehabilitation*, and upper-limb recovery. gdgoenkauniversity.com



d) **Published Health Science Research – Genomic Medicine**

- A research paper titled “Beyond the Double Helix: Unravelling the Complexities of Genomic Medicine in Health Science Research” by Poonam Yadav (Department of Pharmacology) and colleagues from GD Goenka University was published, indicating active engagement in advanced biomedical research. [Ymer Digital](#)

e) **Research Publication Report**

- The university’s “Research & Publication 2023” report includes studies on *internet addiction, childhood trauma, and their mental health correlates*, indicating work in behavioural health. [Research on Internet Addiction, Childhood Trauma, and their Mental Health Impact](#)

f) **Conferences Supporting Health Research**

- The university organized **HSFEAS-2023**, an international conference (Nov 2023) under the Centre of Excellence in Occupational Health, Safety, Fire & Environment, bringing together researchers working on health, risk management, and allied sciences. [HSFEAS – 2023 - November 29-30, 2023](#)





About The Conference

ONLINE/OFFLINE
INTERNATIONAL CONFERENCE ON
Advances in Health, Safety, Fire, Environment, Allied Sciences and Sustainability
(HSFEAS – 2023)

November 29-30, 2023

Organized By
Centre of Excellence Occupational Health, Safety, Fire & Environment (C-OHSFE)
GD Goenka University, Gurugram Sohna Road, Haryana 122103, India

- In addition, the School of Healthcare & Allied Sciences is organizing a conference “REACH 2024” with the theme “Futuristic Healthcare: Bridging Innovation, Accessibility, and Sustainability.” [REACH 2024](#)



International Conference Recent Advances & Challenges in Healthcare		
 <p>14 March 2020</p> <p>Participants - 350</p> <p>KEY NOTE SPEAKERS</p> <p>Dr. A K Agarwal, Director Delhi Council of Physiotherapy & Occupational therapy</p> <p>Dr. Ajaz Asai Director, Adams Wylie Medical Rehab</p>	 <p>22 & 23 Aug 2022</p> <p>Participants - 415</p> <p>KEY NOTE SPEAKERS</p> <p>Dr. Ali Irani, Head, Physiotherapy, Nanawati Hospital, Mumbai,</p> <p>Dr. Shekhar Shrivastava, HOD, Orthopedic Department, Saint Parmanand Hospital,</p> <p>Prof. Suneela Garg, Director Professor & Head Maulana Azad Medical College & Associated Hospitals New Delhi,</p> <p>Dr. Pradeep Sarkar, Incharge Physiotherapy, PGIMER, Chandigarh,</p>	 <p>15 & 16 March 2024</p> <p>Participants - 523</p> <p>KEY NOTE SPEAKERS</p> <p>Dr. Prabhat Ranjan, Senior Physiotherapist, AIIMS</p>

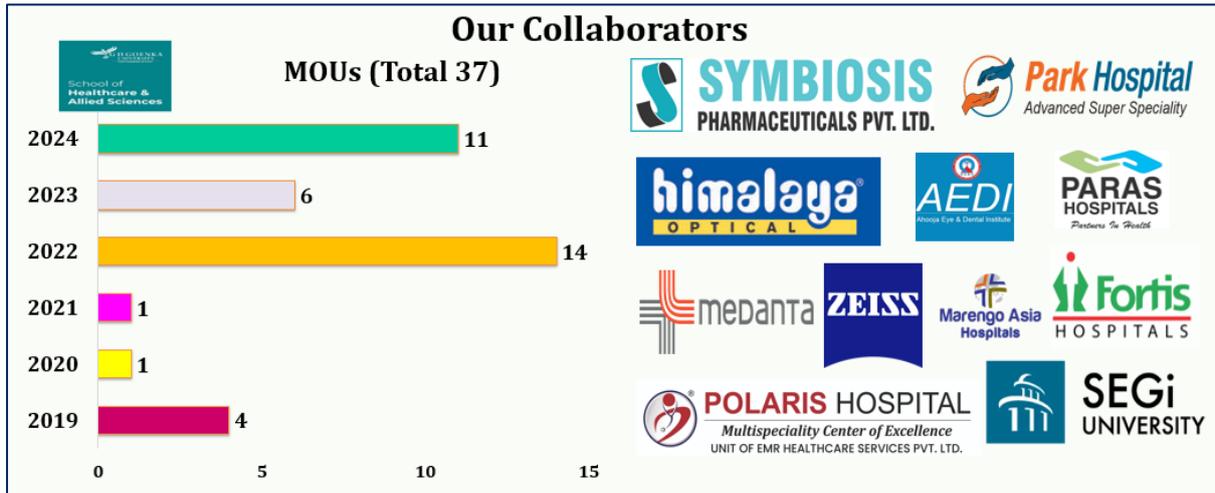
g) Partnerships

In alignment with SDG 3 (Good Health and Well-being), GD Goenka University has built strong partnerships with leading healthcare institutions, mental-health organizations, and community agencies to enhance public health outreach and student training. Collaborations span across hospitals, pharmaceutical companies, rehabilitation centres, and global academic partners, supporting a wide range of health and wellness initiatives.

Key collaborators include Fortis Hospitals, Medanta, Paras Hospitals, Marengo Asia Hospitals, Park Hospital, Polaris Hospital, Symbiosis Pharmaceuticals, Himalaya Optical, ZEISS, and SGI University. The university also works closely with mental-health and community organizations such as Navjyoti India Foundation,

Tulsi Psychiatric and Rehabilitation Centre, NSEPF, and We AvecU Mental and Health Organization. These partnerships facilitate clinical exposure, health camps, mental-health awareness programmes, community screenings, and hands-on learning opportunities. Through these sustained efforts, GD Goenka University continues to strengthen health systems, promote preventive care, and contribute to the overall well-being of students and the wider community in support of SDG 3.





3. Research and Publications

a) Research

Research at GD Goenka University plays a crucial role in advancing SDG 3 (Good Health & Well-Being). The University’s Department of Research & Development, established in 2016, provides strong support for doctoral work, grant applications, publication, and consultancy projects. [Research - Overview](#)

Through its multidisciplinary research ecosystem, GD Goenka University promotes health-science scholarship: its School of Healthcare & Allied Sciences contributes peer-reviewed articles on pharmacy, physiotherapy, and allied disciplines. [Research Paper & Publication](#) In addition, its “Research & Publication 2023” report includes a systematic review on the relationship between childhood trauma, alexithymia, and problematic internet use, highlighting the University’s commitment to behavioural health studies. [GD Goenka University](#)

These efforts, backed by a growing number of publications, strengthen the University’s capacity to generate evidence, develop health-oriented interventions, and create knowledge that promotes physical and mental well-being — thereby contributing meaningfully to SDG 3.



Research (At a Glance)

Research Seed Grant 3.40 Crores INR	Sponsored Research Grant 21.56 Crores INR	Sponsored Research Projects 299	Patents Published 111	Patents Awarded 16
Research Innovation Awards 65	Published Research Articles 1125	Books and Book Chapters 1542	Citations Index 8.3	H-index 38
JRF, SRF 252	PhD Awarded 238	Extension Activities 157	Functional MoUs 81	Incentives for Publications 10.12 Lakhs INR
Revenue Generated form Consultancy/ Corporate Training 6.81 Crores INR		Incentives for Patents 2.19 Lakhs INR	Teachers Received National/International Fellowship/Financial Support 134	



Publication Incentives Ceremony 2023

Publication Incentives Ceremony 2021



b) Research Projects

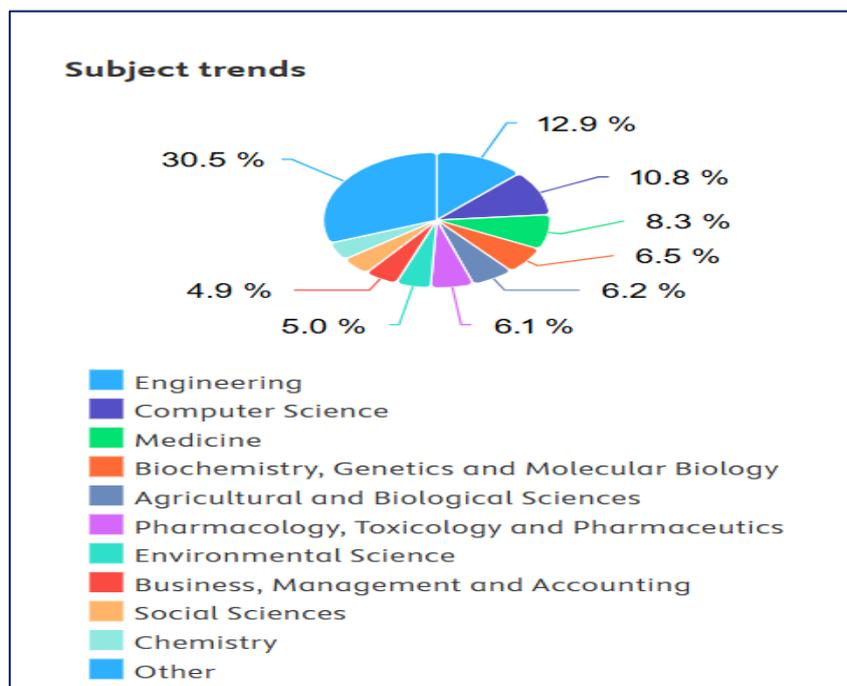
GD Goenka University strengthens SDG 3 through active health-science research and academic initiatives. The university's Centre of Excellence in Healthcare and Allied Sciences supports interdisciplinary work in pharmacy, physiotherapy, and optometry, focusing on areas such as drug discovery, pharmacovigilance, rehabilitation, and tele-optometry. The institution also offers a full-time PhD programme in Healthcare and Allied Sciences, encouraging independent research, publication, and innovation in patient-care methods.

Faculty research further contributes to public health. Physiotherapy faculty members work on stroke rehabilitation, neurorehabilitation, and geriatric care, while researchers in pharmacology have published studies in areas such as genomic medicine. The university's 2023 Research and Publication report includes studies on behavioural and mental-health issues, including internet addiction and childhood trauma, reflecting attention to emerging health challenges.

In addition, GD Goenka University promotes collaborative learning and knowledge exchange through major events such as HSFEAS-2023, an international conference on health, safety, and allied sciences, and its upcoming conference REACH 2025, focused on innovation and sustainability in healthcare. Through these research efforts and scholarly platforms, GD Goenka University advances health awareness, builds scientific capacity, and contributes meaningfully to the goals of SDG 3.

c) Publication

GD Goenka University Scopus Publication



SDG 3 – Good Health & Well Being

SDG 3 – Good Health & Well Being - Publications - 245					
S.No.	Type	Title	Authors	Journal / Book	Year
1	Review	A review of the current status of biological effects of plant-derived therapeutics in breast cancer	Pachal, S.; Kumar, H.; Jain, R.; ...; Kesharwani, S.S.; Jain, V.	Molecular Biology Reports	2025
2	Article	Mirdametinib: FDA approved MEK inhibitor for neurofibromatosis type 1	Saara; Kamboj, S.; Rani, D.	Cancer Chemotherapy and Pharmacology	2025
3	Article	Characterization of genes involved in hemoglobin degradation in Plasmodium vivax isolates from Chennai, India, and species of non-human primate malaria	Shalini, S.; Mishra, N.; Verma, S.; ...; Eapen, A.; Singh, O.P.	Infection Genetics and Evolution	2025

4	Review	<i>Global Insights into HMPV Infections: Clinical Patterns, Genetic Subtypes, and Public Health Implications</i>	<i>Thakur, A.; Dhankhar, S.; Jhawar, V.C.; ...; Chauhan, S.; Devi, S.</i>	<i>Journal of Communicable Diseases</i>	2025
5	Article	<i>Nanotechnology Based Topical Insulin Delivery System: Promising Role in Diabetic Wound Healing</i>	<i>Singh, L.; Bhakuni, A.; Monika; ...; Arora, S.; Jhawar, V.C.</i>	<i>Wound Repair and Regeneration</i>	2025
6	Article	<i>Enhanced Antimicrobial Activity of Biogenic Zinc Oxide (ZnO) Nanoparticles</i>	<i>Gupta, S.; Kumar, V.; Yadav, N.; ...; Kalyankar, R.; Gupta, K.</i>	<i>ChemistrySelect</i>	2025
7	Review	<i>In Silico Investigation and Correlation of Hydrophobic Stretches in Spike Proteins of SARS-CoV-2, SARS-CoV and MERS-CoV</i>	<i>Shekhawat, U.; Roy Chowdhury (Chakravarty), A.</i>	<i>Journal of Advanced Research in Applied Sciences and Engineering Technology</i>	2025
8	Review	<i>Microplastics as emerging threats: advancement in biofilm interactions and remediation technologies</i>	<i>Kumari, S.; Yadav, A.N.; Rajput, P.; Minkina, T.M.; Rajput, V.D.</i>	<i>International Journal of Environmental Science and Technology</i>	2025
9	Conference Paper	<i>Detection of early-stage of lung cancer using machine learning classifiers</i>	<i>Gadu, S.R.; Himaja, G.; Vinanya, Y.L.; ...; Tasleem; Sai, C.A.</i>	<i>AIP Conference Proceedings</i>	2025
10	Review	<i>Climate Change and Threat to Coral Reefs of Lakshadweep, Laccadive Sea: An Analysis through Legal Lens</i>	<i>Bansal, S.; Pandey, S.; Avasthi, P.; Chhuttani, P.</i>	<i>E3S Web of Conferences</i>	2025
11	Review	<i>Probiotics and Cancer: Mechanistic Insights and Organ-Specific Impact</i>	<i>Ahmad, M.F.; Ahmad, F.A.; Alsayegh, A.A.; ...; Kambal, N.; Bantun, F.</i>	<i>Biomolecules</i>	2025
12	Article	<i>Estimation of cervicocephalic kinesthetic perception and its correlation with fall risk in adults with diabetes and without diabetes experiencing cervical pain</i>	<i>Anand, S.; Aggarwal, D.; Zaidi, S.; ...; Reddy, R.S.; Sufyan, M.</i>	<i>PLOS One</i>	2025

13	Review	<i>Responses of natural plastisphere community and zooplankton to microplastic pollution: a review on novel remediation strategies</i>	<i>Rai, M.; Dhanker, R.; Sharma, N.; ...; Du, Z.; Mohamed, H.I.</i>	<i>Archives of Microbiology</i>	2025
14	Review	<i>Aging-associated changes in immunological parameters: Implications for COVID-19 immune response in the elderly</i>	<i>Gasmi, M.; Hejazi, M.; Muscella, A.; Marsigliante, S.; Sharma, A.</i>	<i>Physiological Reports</i>	2025
15	Review	<i>Pathophysiology and emerging therapeutic strategies for cervical spondylosis: The role of pro-inflammatory mediators, kinase inhibitors, and Organogel based drug delivery systems</i>	<i>Yeshna; Singh, M.; Monika; ...; Garg, V.; Jhawar, V.C.</i>	<i>International Immunopharmacology</i>	2025
16	Article	<i>Hesperetin-supplemented soybean and ginger hydroalcoholic extracts alleviate diabetic cardiomyopathy in streptozotocin induced diabetic rats</i>	<i>Ritu; Verma, R.; Kaushik, S.; ...; Velpandian, T.; Goyal, R.K.</i>	<i>South African Journal of Botany</i>	2025
17	Review	<i>Progress in the management of type 2 diabetes mellitus: a narrative review of telerehabilitation and wearable devices</i>	<i>Khan, H.; Ali, K.; Aslam, A.; Singla, D.; Aman, I.</i>	<i>Annals of Pediatric Endocrinology and Metabolism</i>	2025
18	Article	<i>Evaluating Adherence to Medication among Tuberculosis Patients</i>	<i>Kapoor, K.; Sen, E.D.; Sharma, S.; Nayak, A.K.</i>	<i>Medical Journal of Dr D Y Patil Vidyapeeth</i>	2025
19	Review	<i>Clinical Analysis of Resemblance and Dissimilarities of Glucagon-like Peptide-1 Receptor Agonists</i>	<i>Sashi; Rani, K.; Rani, K.; ...; Jain, N.; Arya, A.</i>	<i>Current Drug Therapy</i>	2025
20	Review	<i>Untangling Breast Cancer: Trailing Towards Nanoformulations-based Drug Development</i>	<i>Verma, R.; Kumar, K.; Bhatt, S.M.; ...; Mittal, V.; Kaushik, D.</i>	<i>Recent Patents on Nanotechnology</i>	2025

21	Article	<i>Current Trends and Challenges in Targeting Tumor Mitochondrial Glycolysis and Oxidative Phosphorylation Pathways for Cancer Therapy</i>	<i>Singh, R.P.; Sonali, U.</i>	<i>Current Protein and Peptide Science</i>	2025
22	Review	<i>Medicinal Plants in the Treatment of Tuberculosis: A Systematic Review</i>	<i>Agrawal, R.; Murti, Y.; Mangla, M.; ...; Vibha, N.; Kulshreshtha, M.</i>	<i>Central Nervous System Agents in Medicinal Chemistry</i>	2025
23	Book Chapter	<i>Industrial Application of Bio-nanomaterials in Agriculture</i>	<i>Pandey, V.; Sharma, A.; Kumar, D.; Samadhiya, N.; Tomar, S.S.</i>	<i>Bio Nanomaterials in Environmental Remediation Industrial Applications</i>	2025
24	Article	<i>Unraveling the nexus between crop residue burning and air quality in Haryana state, India</i>	<i>Neelam, N.; Rathee, R.K.; Mishra, S.K.</i>	<i>Paddy and Water Environment</i>	2025
25	Review	<i>Applications of Nanomedicine in Brain Tumor Therapy: Nanocarrier-based Drug Delivery Platforms, Challenges, and Perspectives</i>	<i>Verma, R.; Rao, L.; Kumar, H.; ...; Mittal, V.; Kaushik, D.</i>	<i>Recent Patents on Nanotechnology</i>	2025
26	Article	<i>Pharmaceutical Patents, Generic Drugs, And Competition Laws In India: Policy Pathways For Equitable Healthcare Access And Development</i>	<i>Banerjee, P.; Sangwan, D.</i>	<i>Journal of Applied Bioanalysis</i>	2025
27	Article	<i>Mitigating Diabetic Cardiomyopathy: The Therapeutic Potential of a Poly Herbal Combination in Modulating ICAM-1, VCAM-1, and NF-κB Expression in Rat Model</i>	<i>Kaur, P.; Ritu; Sharma, K.; Goyal, R.K.</i>	<i>Cardiovascular and Hematological Disorders Drug Targets</i>	2025
28	Review	<i>Exploring the Potential of Nanomolecular Therapeutic Options and Novel Biomarkers in Triple-negative Breast Cancer Treatment</i>	<i>Verma, R.; Jain, Y.; Rani, L.; ...; Bhatt, S.M.; Mathur, P.</i>	<i>Current Cancer Therapy Reviews</i>	2025

29	Book Chapter	<i>Advances and Trends in Animal-Based Food Bioactives</i>	Ahmad, M.F.; Alsayegh, A.A.; Ahmed, A.; ...; Kambal, N.; Ahmad, F.A.	<i>Food Bioactives and Nutraceuticals Dietary Medicine for Human Health and Well Beings</i>	2025
30	Article	<i>Synthesis and Characterization of 5-substituted-1,3,4-oxadiazole-2-thione (4)</i>	Bansal, S.; Kumar, V.	<i>Research Journal of Pharmacy and Technology</i>	2025
31	Review	<i>Recent Expansions in Anti-Microbial Profile of Quinoline Analogues: A Review</i>	Sharma, K.; Sanduja, M.; Kumar, A.; ...; Agarwal, G.; Narwal, S.	<i>Current Organic Chemistry</i>	2025
32	Article	<i>Exploring Pneumonia: Understanding its Epidemiology, Deciphering Pathogenic Complexities, and Developing Advanced Diagnostic and Therapeutic Approaches</i>	Verma, J.; Shekhar, S.; Monika, Š.; ...; Sonali, S.; Singh, R.P.	<i>Current Respiratory Medicine Reviews</i>	2025
33	Conference Paper	<i>Circularly Polarized Ultra Wide Band Log Periodic Planar Antenna for Breast Cancer Detection</i>	Nahar, T.; Sharma, A.; Sharma, V.K.; ...; Rawal, P.; Rawat, S.	<i>Proceedings International Conference on Next Generation Communication and Information Processing INCIP 2025</i>	2025
34	Review	<i>Emerging Treatment Options of Pluronic in Designing Colloidal Nano and Micro Carriers for Various Therapies</i>	Mathur, P.; Verma, R.; Rani, L.; ...; Kamboj, T.; Bhatt, S.M.	<i>Recent Patents on Nanotechnology</i>	2025
35	Review	<i>An Overview of Hypertension: Pathophysiology, Risk Factors, and Modern Management</i>	Deepshikha; Mathur, P.; Monika; ...; Sonali, U.; Singh, R.P.	<i>Current Hypertension Reviews</i>	2025
36	Book	<i>Nutraceuticals for the Treatment and Prevention of Sexual Disorders</i>	Keservani, R.K.; Patil Sharangouda, J.J.; Aranha, I.	<i>Nutraceuticals for the Treatment and Prevention of Sexual Disorders</i>	2025
37	Book Chapter	<i>Dietary Supplementation and Cardiac Health</i>	Rane, B.R.; Kate, N.S.; Amkar, A.J.; ...; Nayak, A.K.; Keservani, R.K.	<i>Nutraceuticals in Cardiac Health Management</i>	2025
38	Book Chapter	<i>Impact of prenatal tourism in mental</i>	Prakash, J.; Kumari, U.; Singh, V.K.	<i>Exploration of Prenatal Tourism and Birthright Citizenship</i>	2024

		<i>health services in developing countries</i>			
39	Book Chapter	<i>Anthocyanins as nutraceuticals</i>	<i>Dutt, R.; Mathur, P.; Kamboj, S.; ...; Devi, T.; Sharma, P.</i>	<i>Anthocyanins Pharmacology and Nutraceutical Importance</i>	2024
40	Article	<i>Stable Biped Robot's Walk using Semi-Supervised ANN based Trajectory Generation within Yolov5 Algorithm based Identified Environment with Ditch</i>	<i>Duhan, S.; Panwar, R.</i>	<i>International Journal of Mathematical Engineering and Management Sciences</i>	2024
41	Book Chapter	<i>Emerging technologies for sustainable soil management and precision farming</i>	<i>Singh, A.; Tomar, B.; Margaryan, G.H.; ...; Singh, O.; Ghazaryan, K.A.</i>	<i>Nanotechnology Applications and Innovations for Improved Soil Health</i>	2024
42	Review	<i>Human immunodeficiency virus infection challenges: Current therapeutic limitations and strategies for improved management through long-acting injectable formulation</i>	<i>Tanushree; Sharma, A.; Monika; Singh, R.P.; Jhawar, V.C.</i>	<i>Reviews in Medical Virology</i>	2024
43	Article	<i>Sustainable Management of Floral Waste to Reduce Environmental Pollution by Conversion to Value-Added Products and Their Applications in the Synthesizing of Nanomaterials: a Review</i>	<i>Gupta, V.K.; Kumar, R.; Dhanker, R.; Kamble, S.S.; Mohamed, H.I.</i>	<i>Water Air and Soil Pollution</i>	2024
44	Article	<i>In silico modeling, development, characterization, in-vitro cytotoxicity, pharmacokinetic, and toxicological studies of folate-receptor targeted micelles containing cisplatin and upconversion nanoparticles for lung cancer therapy</i>	<i>Yadav, B.; Chauhan, M.; Sonali, U.; ...; Monika; Singh, R.P.</i>	<i>Materials Today Communications</i>	2024
45	Article	<i>AS1411 aptamer/RGD dual functionalized theranostic chitosan-PLGA nanoparticles for</i>	<i>Chauhan, M.; Sonali, U.; Shekhar, S.; ...; S</i>	<i>Biomaterials Advances</i>	2024

		<i>brain cancer treatment and imaging</i>	<i>Muthu, M.S.; Singh, R.P.</i>		
46	Review	<i>Topical delivery of insulin using novel organogel formulations: An approach for the management of diabetic wounds</i>	<i>Chauhan, S.; Jhawar, V.C.; Singh, R.P.; Yadav, A.</i>	<i>Burns</i>	2024
47	Review	<i>Regeneration and reusability of non-conventional low-cost adsorbents to remove dyes from wastewaters in multiple consecutive adsorption-desorption cycles: a review</i>	<i>El Messaoudi, N.; El Khomri, M.; El Mouden, A.; ...; Kumar, V.; Américo-Pinheiro, J.H.P.</i>	<i>Biomass Conversion and Biorefinery</i>	2024
48	Book Chapter	<i>Challenges and future directions of anticancer molecules and their delivery</i>	<i>Sharma, P.; Dahiya, M.; Raina, N.; ...; Dhakla, P.; Yadav, M.</i>	<i>Handbook of Oncobiology from Basic to Clinical Sciences</i>	2024
49	Book Chapter	<i>Emerging pathophysiology and treatment of prostate cancer: Future perspective</i>	<i>Rawat, R.; Dahiya, M.; Yadav, M.; Kumar, A.; Dhakla, P.</i>	<i>Handbook of Oncobiology from Basic to Clinical Sciences</i>	2024
50	Article	<i>Quality by Design (QbD) based Formulation Optimization of Artemether Loaded Mucoadhesive Nanoemulsion for Intranasal Delivery</i>	<i>Rani, S.; Gupta, M.; Bhatt, D.C.; Ahalwat, S.</i>	<i>Research Journal of Pharmacy and Technology</i>	2024
51	Book Chapter	<i>Enhancing nutrient uptake with nano fertilizers and soil amendments</i>	<i>Tomar, B.; Patle, T.; Parihar, S.S.; Singh, P.K.; Tomar, S.S.</i>	<i>Harnessing Nanoomics and Nanozymes for Sustainable Agriculture</i>	2024
52	Book Chapter	<i>Nanotechnology solutions for sustainable pest and disease control for sustainable agriculture and food security</i>	<i>Singh, P.K.; Tomar, B.; Patle, T.; Tomar, S.S.; Singh, D.</i>	<i>Harnessing Nanoomics and Nanozymes for Sustainable Agriculture</i>	2024
53	Review	<i>Ganoderma lucidum: Multifaceted mechanisms to combat diabetes through polysaccharides and triterpenoids: A comprehensive review</i>	<i>Ahmad, M.F.; Ahmad, F.A.; Hasan, N.; Kambal, N.; Elbendary, E.Y.</i>	<i>International Journal of Biological Macromolecules</i>	2024

54	Book Chapter	<i>Unveiling the effects of metal and metal oxide nanoparticles on crop: An in-depth critical analysis</i>	Singh, P.K.; Tomar, B.; Tomar, S.S.; Patle, T.; Gupta, S.	<i>Sustainable Agriculture Nanotechnology and Biotechnology for Crop Production and Protection</i>	2024
55	Review	<i>Pesticides impacts on human health and the environment with their mechanisms of action and possible countermeasures</i>	Ahmad, M.F.; Ahmad, F.A.; A Alsayegh, A.A.; Abdelrahman, M.H.; Hussain, S.	<i>Heliyon</i>	2024
56	Review	<i>Challenges and Opportunities of Gene Therapy in Cancer</i>	Mittal, M.; Kumari, A.; Paul, B.; Verma, C.; Mani, I.	<i>Obm Genetics</i>	2024
57	Review	<i>Nanomaterials and biochar mediated remediation of emerging contaminants</i>	Rajput, P.; Kumar, P.V.D.; Priya, A.K.; Wong, M.H.; Rensing, C.	<i>Science of the Total Environment</i>	2024
58	Review	<i>Ganoderma lucidum: Insight into antimicrobial and antioxidant properties with development of secondary metabolites</i>	Ahmad, M.F.; A Alsayegh, A.A.; Ahmad, F.A.; Kambal, N.; H Abdelrahman, M.	<i>Heliyon</i>	2024
59	Review	<i>Stereoselective analysis of chiral pesticides: a review</i>	Vashistha, V.K.; Sethi, S.; Mittal, A.; Bala, R.; Yadav, S.	<i>Environmental Monitoring and Assessment</i>	2024
60	Conference Paper	<i>Data-Intensive Traffic Management: Real-Time Insights from the Traffic Management Simulation Test</i>	Blinova, T.; Kumar, R.; Kansal, L.; Guven, U.; Yeluri, L.P.	<i>Bio Web of Conferences</i>	2024
61	Conference Paper	<i>Current Opinion on Food Sustainability for Liver Associated Health Problems</i>	Chaudhary, N.R.; Chowdhury, M.; Kaur, P.; Bharadwaj, D.; Sahu, S.K.	<i>Bio Web of Conferences</i>	2024
62	Article	<i>Synthesis, Docking Analysis, and Assessment of Chalcones for Antibacterial and Anthelmintic Activities</i>	Agarwal, U.; Yadav, V.; Roper, R.; Bhutani, R.; Tonk, R.K.	<i>Current Chemical Biology</i>	2024
63	Article	<i>Assessment of Antidepressant Activity of Jasminum multiflorum and Jasminum mesnyi</i>	Garg, P.; Aggarwal, N.; Garg, V.; Ahmad, S.F.; Emran, T.B.	<i>Journal of Biological Regulators and Homeostatic Agents</i>	2024
64	Book Chapter	<i>Enhancing the Nutrient Use Efficiency Through Nano-Biochar</i>	Deb, P.	<i>Nanomaterials and Nano Biochar in Reducing Soil Stress</i>	2024

65	Conference Paper	<i>Intelligent Healthcare Monitoring and Alert Mechanism using IoT with Learning Assistance</i>	<i>Koteswara Rao, V.R.; Kumar, C.R.; Suresh, M.; Kumar, Y.; Praveena, K.</i>	<i>4th International Conference on Power Energy Control and Transmission Systems</i>	2024
66	Article	<i>RCBAM-CNN: Rebuild Convolution Block Attention Module-based CNN for Lung Nodule Classification</i>	<i>Jain, D.S.; Hundekari, S.N.; Upreti, K.; Singhai, R.; Kumar, M.A.</i>	<i>Journal of Mobile Multimedia</i>	2024
67	Book Chapter	<i>Fishing Gears and Nets as a Source of Microplastic</i>	<i>Sharma, D.; Dhanker, R.; Bhawna, B.; Raza, S.; Sharma, A.</i>	<i>Microplastic Pollution</i>	2024
68	Article	<i>Challenges Associated with Approval of Anticancer Products: A Cross-sectional Study</i>	<i>Sharma, P.; Jhawat, V.C.; Singh, J.; Dutt, R.</i>	<i>Current Cancer Therapy Reviews</i>	2024
69	Article	<i>Knowledge and Awareness of Emerging Cancer Therapies and Regulations among Budding Scientists</i>	<i>Sharma, P.; Jhawat, V.C.; Singh, J.; Dutt, R.</i>	<i>Current Cancer Therapy Reviews</i>	2024
70	Article	<i>Halogen substituted aurones as potential apoptotic agents</i>	<i>Nabi, S.A.; Ramzan, F.; Lone, M.S.; Bano, S.; Javed, K.</i>	<i>Journal of Biomolecular Structure and Dynamics</i>	2024
71	Review	<i>Inulin: a multifaceted ingredient in pharmaceutical sciences</i>	<i>Tiwari, R.N.; Sethi, P.; Rudrangi, S.R.S.; Vaghela, K.</i>	<i>Journal of Biomaterials Science Polymer Edition</i>	2024
72	Editorial	<i>Molecular pharmacological approaches against lung diseases</i>	<i>Arora, P.; Nainwal, L.M.; Athari, S.S.</i>	<i>Frontiers in Pharmacology</i>	2024
73	Book Chapter	<i>Microbial vitamins as nutraceuticals and their role as health-promoting agents</i>	<i>Ahmad, M.F.; Ahmad, F.A.; Ashraf, S.A.; Uddin, S.; Khanam, A.</i>	<i>Microbial Vitamins and Carotenoids in Food Biotechnology</i>	2024
74	Review	<i>Deciphering the Therapeutic Applications of Nanomedicine in Ovarian Cancer Therapy</i>	<i>Mathur, P.; Bhatt, S.M.; Kumar, S.; Kumar, H.; Verma, R.</i>	<i>Current Drug Delivery</i>	2024
75	Review	<i>Metallic Nanoparticles: Classification, Synthesis, Applications, and Patents</i>	<i>Dhir, S.; Bhatt, S.M.; Chauhan, M.; Dutt, R.; Verma, R.</i>	<i>Recent Patents on Nanotechnology</i>	2024
76	Article	<i>Design and Characterization of Insulin Loaded</i>	<i>Chauhan, S.; Jhawat, V.C.;</i>	<i>Recent Advances in Drug Delivery and Formulation</i>	2024

		<i>Organogel for Diabetic Wound</i>	<i>Singh, R.P.; Yadav, A.; Garg, V.</i>		
77	Article	<i>Antidiabetic and Antioxidant Activities of Plumbago zeylanica Roots</i>	<i>Zia, G.; Gupta, T.; Garg, V.; Chauhan, M.; Dutt, R.</i>	<i>World Journal of Traditional Chinese Medicine</i>	2024
78	Review	<i>Brain Cancer Therapy Using Advanced Nanoparticles</i>	<i>Chauhan, M.; Singh, R.P.; Sonali, U.; Garg, V.; Dutt, R.</i>	<i>Recent Patents on Nanotechnology</i>	2024
79	Review	<i>Curcumin-loaded Nanomedicine in Brain Cancer Therapy</i>	<i>Verma, R.; Rao, L.; Nagpal, D.; Mittal, V.; Kaushik, D.</i>	<i>Recent Patents on Nanotechnology</i>	2024
80	Review	<i>Advances in Enzyme Inhibition: A Pharmacological Review</i>	<i>Singh, K.; Bhushan, B.; Mittal, N.; Kumar, S.; Agrawal, M.</i>	<i>Current Enzyme Inhibition</i>	2024
81	Book Chapter	<i>Health Benefits of Nutraceuticals in Gout Patients</i>	<i>Kumar, S.; Chopra, B.; Dass, R.; Dhingra, A.K.</i>	<i>Nutraceuticals and Bone Health</i>	2024
82	Article	<i>Novel Algorithm for Pulmonary Nodule Classification using CNN</i>	<i>Drishti; Singh, J.</i>	<i>International Journal of Intelligent Systems and Applications in Engineering</i>	2024
83	Article	<i>Pharmacokinetic and Pharmacodynamic Evaluation of Telmisartan-loaded Solid Nanodispersion</i>	<i>Rawat, A.; Jhawar, V.C.; Chauhan, S.; Dutt, R.</i>	<i>Drug Delivery Letters</i>	2024
84	Short Survey	<i>Diabetic Wound: Pathophysiology, Complications and Treatment Strategies</i>	<i>Chauhan, S.; Gulia, M.; Singh, R.P.; Jhawar, V.C.</i>	<i>Current Protein and Peptide Science</i>	2024
85	Review	<i>Nanomedicines in Diagnosis and Treatment of Lung Cancer</i>	<i>Yadav, B.; Chauhan, M.; Singh, R.P.; Sonali, U.; Shekhar, S.</i>	<i>Current Drug Targets</i>	2024
86	Review	<i>Boswellic Acids: Therapeutic and Nutritional Benefits in Chronic Inflammatory Diseases</i>	<i>Solanki, N.; Gupta, G.; Chellappan, D.K.; Saini, M.; Dureja, H.</i>	<i>Endocrine Metabolic and Immune Disorders Drug Targets</i>	2024
87	Review	<i>Nanotherapeutics for Diagnosis and Treatment of Solid Tumor</i>	<i>Verma, R.; Akter, R.; Kumar, M.; Rahman, M.H.; Kaushik, D.</i>	<i>Current Nanoscience</i>	2024
88	Book Chapter	<i>Reconnecting Indian Tourism amid COVID-19: Government Role for Outbreak Control</i>	<i>Talreja, D.; Singh, K.; Rajeshramasamy</i>	<i>Post Covid Tourism and Hospitality Dynamics</i>	2024

89	Article	<i>Discovery of Type 2 Diabetes Mellitus using Hybrid Deep Learning Approach</i>	Middha, K.; Mittal, A.	<i>Computer Methods in Biomechanics and Biomedical Engineering</i>	2024
90	Review	<i>Emerging Nanotechnology-based Therapeutics for Lung Cancer Therapy</i>	Verma, R.; Rao, L.; Nagpal, D.; Mittal, V.; Kaushik, D.	<i>Recent Patents on Nanotechnology</i>	2024
91	Conference Paper	<i>Deep Learning based Detection and Prediction of Suicide Ideation</i>	Kumar, S.; Desai, U.; Sandhu, K.S.; Arya, N.; Nijaguna, G.S.	<i>International Conference on AR Intelligent Systems and Industrial Automation</i>	2024
92	Conference Paper	<i>Performance Analysis of ML Algorithm for Skin Disease Detection</i>	Bhardwaj, S.; Srivastava, S.; Singh, H.	<i>International Conference on Communication Computing and Energy Efficient Technologies</i>	2024
93	Book Chapter	<i>Biochar: A Sustainable Way to Enhance Soil Fertility and Crop Yield</i>	Jyoti; Dhanker, R.; Kumar, S.N.; Hussain, T.; Singh, A.	<i>Recent Advancements in Sustainable Agricultural Practices</i>	2024
94	Book Chapter	<i>An update of anticancer application of essential oils</i>	Agrawal, M.; Singhal, M.; Nayak, A.K.; Bhatt, S.M.	<i>Pharmacological Aspects of Essential Oils</i>	2023
95	Article	<i>Transferrin-targeted micelles for improved theranostic applications in lung cancer therapy</i>	Yadav, B.; Chauhan, M.; Sonali, U.; Shekhar, S.; Singh, R.P.	<i>European Journal of Pharmaceutics and Biopharmaceutics</i>	2023
96	Review	<i>Botanical, phytochemical and pharmacological aspects of <i>Livistona chinensis</i></i>	Singh, K.J.; Murti, Y.; Sanduja, M.; Shukla, K.S.; Kulshreshtha, M.	<i>Pharmacological Research – Modern Chinese Medicine</i>	2023
97	Article	<i>Investigation of indoor air pollutants and health impact in Dehradun</i>	Nandan, A.; Mondal, P.; Kumar, S.; Raja, S.; Hussain, C.M.	<i>Air Quality Atmosphere and Health</i>	2023
98	Article	<i>QbD-based Formulation Optimization of Isoniazid Nanostructured Lipid Carriers</i>	Ahalwat, S.; Bhatt, D.C.; Rohilla, S.	<i>Journal of Pharmaceutical Innovation</i>	2023
99	Article	<i>Dual-targeted transferrin and AS1411 aptamer conjugated micelles for brain cancer</i>	Chauhan, M.; Singh, R.P.; Sonali, U.; Kailashiya, V.; Muthu, M.S.	<i>Colloids and Surfaces B: Biointerfaces</i>	2023
100	Article	<i>Amomum subulatum Fruit Extract Mediated Green Synthesis of</i>	Dhir, S.; Dutt, R.; Singh, R.P.; Ahmad	<i>Processes</i>	2023

		<i>Silver and Copper Oxide Nanoparticles</i>	<i>Rudayni, H.A.; Al-Zharani, M.M.</i>		
101	Article • Open access	<i>Statistical optimization of tetrahydrocurcumin loaded solid lipid nanoparticles using Box Behnken design in the management of streptozotocin-induced diabetes mellitus</i>	<i>Sharma, J.B.; Bhatt, S.M.; Abhishek, T.; Parvez, M.K.; Alhalmi, A.</i>	<i>Saudi Pharmaceutical Journal</i>	2023
102	Article	<i>Development and characterization of micelles for nucleolin-targeted co-delivery of docetaxel and upconversion nanoparticles for theranostic applications in brain cancer therapy</i>	<i>Chauhan, M.; Singh, R.P.; Sonali, U.; Koch, B.; Pandey, D.K.</i>	<i>Journal of Drug Delivery Science and Technology</i>	2023
103	Article • Open access	<i>Active constituents of herbal medicines for breast cancer: Current status</i>	<i>Kumar, S.; Himangini; Mazhar, M.; Bhatt, S.; Patil, C.R.</i>	<i>Journal of Applied Pharmaceutical Science</i>	2023
104	Article • Open access	<i>Mannose-Functionalized Isoniazid-Loaded Nanostructured Lipid Carriers for Pulmonary Delivery: In Vitro Prospects and In Vivo Therapeutic Efficacy Assessment</i>	<i>Ahalwat, S.; Bhatt, D.C.; Rohilla, S.; Noman, O.M.A.; Almoiliqy, M.</i>	<i>Pharmaceuticals</i>	2023
105	Book Chapter	<i>Essential fruits for nutrition and their beneficial effects on human health</i>	<i>Rane, B.R.; Keservani, R.K.; Rasal, K.B.; Gupta, A.K.; Jain, A.S.</i>	<i>Nutraceutical Fruits for Human Health</i>	2023
106	Article	<i>Changes in bacterioplankton and zooplankton communities in response to Covid-19 forced lockdown at dolphin surfacing sites in the River Ganga</i>	<i>Prakash, D.; Dhanker, R.; Kumar, R.</i>	<i>Aquatic Ecosystem Health and Management</i>	2023
107	Article	<i>Bioremediation of polycyclic aromatic hydrocarbons in crude oil by bacterial consortium in soil amended with <i>Eisenia fetida</i> and rhamnolipid</i>	<i>Kumari, S.; Gautam, K.; Seth, M.; Anbumani, S.; Manickam, N.</i>	<i>Environmental Science and Pollution Research</i>	2023

108	Review	<i>Imatinib Analogs in Chronic Myeloid Leukemia: a Systematic Qualitative Review</i>	<i>Sangwan, K.; Khurana, S.; Dhakla, P.</i>	<i>Current Pharmacology Reports</i>	2023
109	Article • Open access	<i>Forensic approach towards criminal use of mercury in domestic violence</i>	<i>Sinha, S.; Rao, K.; Rawat, A.</i>	<i>Sri Lanka Journal of Forensic Medicine Science and Law</i>	2023
110	Article • Open access	<i>Effect of biochemical changes on female infertility, especially "Leptin and Adiponectin" in Eastern Uttar Pradesh</i>	<i>Rawat, V.; Devi, R.; Bajpai, A.; Kumar, A.; Dubey, G.P.</i>	<i>International Journal of Infertility and Fetal Medicine</i>	2023
111	Review • Open access	<i>Ganoderma lucidum: Novel Insight into Hepatoprotective Potential with Mechanisms of Action</i>	<i>Ahmad, M.F.; Ahmad, F.A.; Zeyaulah, M.; Elbendary, E.Y.; Attia, K.A.H.A.</i>	<i>Nutrients</i>	2023
112	Review • Open access	<i>Assessment of Microplastics Pollution on Soil Health and Ecotoxicological Risk in Horticulture</i>	<i>Sharma, U.; Sharma, S.; Rana, V.S.; Kumar, V.; Bhat, S.A.</i>	<i>Soil Systems</i>	2023
113	Article	<i>Coldman Logistics: COVID-19 Vaccine for One and All</i>	<i>Mittal, R.; Sinha, P.; Rishi, B.</i>	<i>Asian Case Research Journal</i>	2023
114	Article	<i>RGD-decorated PLGA nanoparticles improved effectiveness and safety of cisplatin for lung cancer therapy</i>	<i>Yadav, B.; Chauhan, M.; Shekhar, S.; Sonali, U.; Singh, R.P.</i>	<i>International Journal of Pharmaceutics</i>	2023
115	Article • Open access	<i>An Optimized Machine Learning Approach for Coronary Artery Disease Detection</i>	<i>Savita; Rani, G.; Mittal, A.</i>	<i>Journal of Advances in Information Technology</i>	2023
116	Article • Open access	<i>Evaluation of Antioxidant, antibacterial and anticancer activity of fruits and leaves extract of Manilkara zapota against A431 skin cancer cell lines</i>	<i>Anjali; Gupta, T.; Kiran; Garg, V.; Dutt, R.</i>	<i>South African Journal of Botany</i>	2023
117	Article	<i>An Electronic Evaluation of Symptoms in People of India Post-COVID-19 Vaccination</i>	<i>Kamboj, S.; Kamboj, R.; Kamboj, S.; Bansal, K.; Rohila, V.</i>	<i>Current Drug Safety</i>	2023
118	Review	<i>Multifunctional Patented Nanotherapeutics for</i>	<i>Pandey, P.; Chopra, H.;</i>	<i>Recent Patents on Anti Cancer Drug Discovery</i>	2023

		<i>Cancer Intervention: 2010-Onwards</i>	<i>Kaushik, D.; Tagde, P.; Al-Harrasi, A.S.</i>		
119	Book Chapter	<i>Current Trends in Target-Specific Delivery of Phytomedicine: A Possible Strategy for Cancer Treatment</i>	<i>Dhir, S.; Garg, V.; Singh, M.; Singh, R.P.; Dutt, R.</i>	<i>Functional Foods for Health Maintenance</i>	2023
120	Book Chapter	<i>Oxidative Catalytic Potential of Lignin-Modifying Enzymes in the Treatment of Emerging Contaminants</i>	<i>Bomfim, S.A.; Barros, G.P.; Bharagava, R.N.; B. Equiluz, K.I.; Romanholo Ferreira, L.F.</i>	<i>Genomics to Bioremediation Principles Applications and Perspectives</i>	2023
121	Review • Open access	<i>An update on the role of antihyperglycemic agents in diabetoporosis</i>	<i>Sharma, N.; Nayak, A.K.</i>	<i>Journal of Diabetology</i>	2023
122	Review • Open access	<i>Clinical potentials of metformin in cancer therapy</i>	<i>Sharma, N.; Dhingra, R.</i>	<i>Journal of Diabetology</i>	2023
123	Review • Open access	<i>Clinical Potential of Glucagon-like Peptide-1 Analogs in the Management of Diabetes</i>	<i>Sharma, N.; Singh, S.</i>	<i>Journal of Diabetology</i>	2023
124	Book Chapter	<i>Photoprotective Therapeutics: Recent Trends and Future Applications</i>	<i>Ansari, A.H.; Srivastava, N.; Singh, S.; Singh, D.</i>	<i>Photoprotective Green Pharmacology</i>	2023
125	Book Chapter	<i>Precision medicine: Dose for anticancer therapy</i>	<i>Tushir, S.; Yadav, M.; Bansal, S.; Kumar, A.</i>	<i>Biomarkers in Cancer Detection and Monitoring of Therapeutics</i>	2023
126	Review	<i>Enhancing cervical cancer survival through innovative radiotherapy interventions: a narrative review</i>	<i>Sharma, A.; Gasmir, M.; Gautam, K.A.; Melkani, D.</i>	<i>Onkologia I Radioterapia</i>	2023
127	Review • Open access	<i>Assessment of the Impact of Yoga on the Quality of Life of Breast Cancer Patients: A Systematic Literature Review</i>	<i>Nair, J.; Mishra, A.; Sharan, A.M.</i>	<i>Indian Journal of Palliative Care</i>	2023
128	Review	<i>Phytochemical-based Nanoformulations for Drug-resistant Brain Cancer</i>	<i>Saini, N.; Bhatt, S.M.; Kumar, M.</i>	<i>Nanoscience and Nanotechnology Asia</i>	2023
129	Review • Open access	<i>Coping in Post-Mastectomy Breast Cancer Survivors and</i>	<i>Mishra, A.; Nair, J.; Sharan, A.M.</i>	<i>Breast Cancer Basic and Clinical Research</i>	2023

		<i>Need for Intervention: Systematic Review</i>			
130	Conference Paper	<i>Comparative Analysis of Deep Learning with Different Optimization Techniques for Type 2 Diabetes Mellitus Detection Using Gene Expression Data</i>	Middha, K.; Mittal, A.	<i>Lecture Notes in Networks and Systems</i>	2023
131	Article	<i>Synthesis, ADME, Molecular Docking and Biological Evaluation of New 2-Aminobenzothiazoles</i>	Agarwal, U.; Tonk, R.K.; Sharma, K.; Bhutani, R.; Verma, S.	<i>Current Bioactive Compounds</i>	2023
132	Book Chapter	<i>Metallic Nanoparticles for Skins and Photothermal Therapy</i>	Kumar, M.; Mehan, N.; Bhatt, S.M.; Alam, M.S.; Gautam, R.K.	<i>Metallic Nanoparticles for Health and the Environment</i>	2023
133	Conference Paper	<i>Image Segmentation and Pre-Processing for Lung Cancer Detection in Humans Based on Deep-Learning</i>	Singh, D.; Singh, J.	<i>Proceedings of the International Conference on Circuit Power and Computing Technologies ICCPCT</i>	2023
134	Article	<i>DoE Enabled Development and In-Vitro Optimization of Curcumin-tagged Cilostazol Solid Nano Dispersion</i>	Rawat, A.; Jhawat, V.C.; Dutt, R.	<i>Current Nanomedicine</i>	2023
135	Review	<i>Nano Architect-Based Targeted Delivery Systems for Diabetic Nephropathy: A Review</i>	Rawat, A.; Jhawat, V.C.; Dutt, R.	<i>Current Drug Targets</i>	2023
136	Conference Paper	<i>Hybrid Machine Learning Algorithm for Prediction of Malaria</i>	Adamu, Y.A.; Singh, J.	<i>Lecture Notes in Networks and Systems</i>	2023
137	Book Chapter	<i>Establishing Nanotechnology-Based Drug Development for Triple-Negative Breast Cancer Treatment</i>	Verma, R.; Bhatt, S.M.; Dutt, R.; Kaushik, D.; Gautam, R.K.	<i>Drug and Therapy Development for Triple Negative Breast Cancer</i>	2023
138	Article	<i>An effective feature selection method for type 2 diabetes mellitus detection using gene expression data</i>	Middha, K.; Mittal, A.	<i>Intelligent Decision Technologies</i>	2023
139	Article	<i>Design and implementation of remote PCG (phonocardiography)</i>	Vashishth, N.; Garg, D.; Raj, A.	<i>International Journal on Interactive Design and Manufacturing</i>	2023

		system using audio exchange bus			
140	Review	<i>Green Synthesis, Characterization, and Biomedical Applications of Copper and Copper Oxide Nanoparticles of Plant Origin</i>	<i>Dhir, S.; Verma, R.; Bhatt, S.M.; Garg, V.; Dutt, R.</i>	<i>Current Drug Therapy</i>	2023
141	Note	<i>Micelles-based Drug Delivery Systems: Implication, Challenges and Future Perspectives in Lung Cancer Therapy</i>	<i>Yadav, B.; Chauhan, M.; Shekhar, S.; Sonali, U.; Singh, R.P.</i>	<i>Current Protein and Peptide Science</i>	2023
142	Book Chapter	<i>Generation of biofuels from rice straw and its future perspectives</i>	<i>Biswas, P.; Mandal, S.; Das, T.; Bursal, E.; Dey, A.</i>	<i>Green Approach to Alternative Fuel for A Sustainable Future</i>	2023
143	Review	<i>Energy metabolism therapy for brain cancer</i>	<i>Tejaswi; Nayak, A.K.</i>	<i>Onkologia I Radioterapia</i>	2023
144	Review	<i>The development of carcinoma chemotherapy prevention agents using animal models</i>	<i>Tejaswi; Nayak, A.K.</i>	<i>Onkologia I Radioterapia</i>	2023
145	Book Chapter	<i>Therapeutic Targeting of Antineoplastic Drugs in Alzheimer's Disease: Discovered in Repurposed Agents</i>	<i>Dahiya, M.; Kumar, A.; Yadav, M.; Dhakla, P.; Tushir, S.</i>	<i>Drug Repurposing for Emerging Infectious Diseases and Cancer</i>	2023
146	Book Chapter	<i>Therapeutic Repurposing Approach: New Opportunity for Developing Drugs Against COVID-19</i>	<i>Yadav, M.; Dhakla, P.; Rawat, R.; Dahiya, M.; Kumar, A.</i>	<i>Drug Repurposing for Emerging Infectious Diseases and Cancer</i>	2023
147	Review	<i>1,3,4-Thiadiazole: A Versatile Pharmacophore of Medicinal Significance</i>	<i>Bala, M.; Piplani, P.; Ankalgi, A.D.; Jain, A.; Chandel, L.</i>	<i>Medicinal Chemistry</i>	2023
148	Review • Open access	<i>Nano-Enhanced Microbial Remediation of PAHs Contaminated Soil</i>	<i>Rajput, V.D.; Kumari, S.; Minkina, T.M.; Sushkova, S.N.; Mandzhieva, S.S.</i>	<i>Air Soil and Water Research</i>	2023
149	Book Chapter	<i>Yeast Cell Factory for Production of Biomolecules</i>	<i>Mittal, M.; Varshney, A.; Singh, N.; Saini, A.; Mani, I.</i>	<i>Biomanufacturing for Sustainable Production of Biomolecules</i>	2023
150	Conference Paper	<i>Lung Cancer and Pulmonary Node detection using Deep Learning: A survey</i>	<i>Drishiti; Singh, J.</i>	<i>OPJU International Technology Conference on Emerging Technologies for</i>	2023

				Sustainable Development (OTCON)	
151	Article	<i>Design and Molecular Docking Studies of N-Mannich Base Derivatives of Primaquine Bearing Isatin on the Targets involved in the Pathophysiology of Cerebral Malaria</i>	<i>Purohit, D.; Dutt, R.; Kumar, P.; Kumar, S.; Kumar, A.</i>	<i>CNS and Neurological Disorders Drug Targets</i>	2023
152	Article (Open Access)	<i>Genetic Polymorphisms of Gene Methionine Synthase Reductase (MTRR) and Risk of Urinary Bladder Cancer</i>	<i>Gautam, K.A.; Raghav, A.; Sankhwar, S.N.; Singh, R.R.; Tripathi, P.</i>	<i>Asian Pacific Journal of Cancer Prevention</i>	2023
153	Review	<i>Current Remedial Strategies for the Treatment of Rheumatoid Arthritis through the Oral Route with Janus Kinase Inhibitors</i>	<i>Mathur, P.; Verma, R.; Kumar, M.; Dutt, R.; Bhatt, S.M.</i>	<i>Drug Delivery Letters</i>	2023
154	Review	<i>Nanocapsules: An Emerging Drug Delivery System</i>	<i>Purohit, D.; Jalwal, P.; Manchanda, D.; Dutt, R.; Pandey, P.</i>	<i>Recent Patents on Nanotechnology</i>	2023
155	Book Chapter	<i>Insight into Epigenetics and Human Diseases</i>	<i>Saini, A.; Varshney, A.; Saini, A.; Mani, I.</i>	<i>Progress in Molecular Biology and Translational Science</i>	2023
156	Article (Open Access)	<i>Chromatographic Methods and Approaches for Bioequivalence Study, Drug Screening and Enantioseparation of Indapamide</i>	<i>Sethi, S.; Martens, J.; Bhushan, R.</i>	<i>Acta Chromatographica</i>	2023
157	Article	<i>Cyclodextrin-Based Arsenal for Anti-Cancer Treatments</i>	<i>Chopra, H.; Verma, R.; Kaushik, S.; Singh, I.; Kaushik, D.</i>	<i>Critical Reviews in Therapeutic Drug Carrier Systems</i>	2023
158	Article (Open Access)	<i>Microbial Strategies for Degradation of Microplastics Generated from COVID-19 Healthcare Waste</i>	<i>Dey, S.; Anand, U.; Kumar, V.; Bhat, S.A.; Dey, A.</i>	<i>Environmental Research</i>	2023
159	Review	<i>Exploring the Role of Self-Nanoemulsifying Systems in Drug Delivery: Challenges,</i>	<i>Verma, R.; Mittal, V.; Pandey, P.; Kumar, M.; Kaushik, D.</i>	<i>Current Drug Delivery</i>	2023

		<i>Issues, Applications and Recent Advances</i>			
160	Review	<i>Post-Coronavirus Disease Mucormycosis: Predisposing Factors and Possible Treatment</i>	<i>Sinhmar, S.; Garg, V.; Malhotra, H.; Dutt, R.</i>	<i>Coronaviruses</i>	2022
161	Article (Open Access)	<i>First Record of Clonostachys rosea Entomopathogenic Fungus in the Mango Hopper Amritodus atkinsoni</i>	<i>Tamta, A.K.; Pandey, R.; Sharma, J.R.; Alrumman, S.A.; Helal, M.M.K.</i>	<i>Pathogens</i>	2022
162	Article (Open Access)	<i>Computational and Comparative Investigation of Hydrophobic Profile of Spike Protein of SARS-CoV-2 and SARS-CoV</i>	<i>Shekhawat, U.; Roy Chowdhury (Chakravarty), A.</i>	<i>Journal of Biological Physics</i>	2022
163	Article	<i>Development of Biocompatible Nanoparticles of Tizanidine Hydrochloride in Orodispersible Films</i>	<i>Sinha, S.B.; Thapa, S.; Singh, S.K.; Rahman, M.H.; Kaushik, D.</i>	<i>Current Drug Delivery</i>	2022
164	Book Chapter	<i>Role of Medicinal Plants in the Treatment and Management of Obesity</i>	<i>Mohanalakshmi, S.; Kumar, C.K.A.</i>	<i>Natural Products for Treatment of Metabolic Syndrome</i>	2022
165	Article (Open Access)	<i>Recovery of Silver Nanoparticles and Management of Food Wastes</i>	<i>Dhanker, R.; Rawat, S.; Chandna, V.; Sharma, A.; Kumar, V.</i>	<i>Environmental Advances</i>	2022
166	Article	<i>Orally Administered Solasodine Suppresses Th2 Immune Response in Rat Model of Asthma</i>	<i>Arora, P.; Nainwal, L.M.; Gupta, G.; Gregory George Oliver, B.G.G.O.; Dua, K.</i>	<i>Chemico Biological Interactions</i>	2022
167	Article (Open Access)	<i>Exploration of Cytotoxic Potential of Longifolene/Junipene Isolated from Chrysopogon zizanioides</i>	<i>Grover, M.; Behl, T.; Virmani, T.; Meraya, A.M.; Bungau, S.G.</i>	<i>Molecules</i>	2022
168	Article	<i>Phytochemical Analysis and Biological Activities of Emblica officinalis Fruit Extract</i>	<i>Kaushik, J.; Yadav, M.; Sharma, N.M.; Dahiya, M.; Deep, A.</i>	<i>Anti Infective Agents</i>	2022
169	Review (Open Access)	<i>Mechanistic Insights into the Pharmacological</i>	<i>Wadhwa, K.; Pahwa, R.; Kumar,</i>	<i>Molecules</i>	2022

		<i>Significance of Silymarin</i>	<i>M.; Kaushik, D.; Jeandet, P.</i>		
170	<i>Article (Open Access)</i>	<i>Seroprevalence of COVID-19 Infection among Healthcare Workers</i>	<i>Kataria, S.; Phogat, R.; Sharma, P.; Saxena, R.; Trehan, N.K.</i>	<i>National Medical Journal of India</i>	2022
171	<i>Review</i>	<i>A Review on Structurally Diversified Synthesized Molecules as Monoacyl-glycerol Lipase Inhibitors and their Therapeutic Uses</i>	<i>Kashyap, A.; Kumar, S.; Dutt, R.</i>	<i>Current Drug Research Reviews</i>	2022
172	<i>Article (Open Access)</i>	<i>Progress in Microalgal Mediated Bioremediation Systems for Removal of Antibiotics and Pharmaceuticals from Wastewater</i>	<i>Chandel, N.; Ahuja, V.; Gurav, R.G.; Yang, Y.; Bhatia, S.K.</i>	<i>Science of the Total Environment</i>	2022
173	<i>Review (Open Access)</i>	<i>Deciphering the Immunoboosting Potential of Macro and Micronutrients in COVID Support Therapy</i>	<i>Batiha, G.E.; Al-Gareeb, A.I.A.; Qusti, S.Y.; Verma, R.; Al-Kuraishy, H.M.K.</i>	<i>Environmental Science and Pollution Research</i>	2022
174	<i>Review (Open Access)</i>	<i>Innovation in Cancer Therapeutics and Regulatory Perspectives</i>	<i>Sharma, P.; Jhawar, V.C.; Mathur, P.; Dutt, R.</i>	<i>Medical Oncology</i>	2022
175	<i>Review (Open Access)</i>	<i>Advancement of Nanomedicines in Chronic Inflammatory Disorders</i>	<i>Jogpal, V.; Sanduja, M.; Dutt, R.; Garg, V.; Gupta, T.</i>	<i>Inflammopharmacology</i>	2022
176	<i>Review (Open Access)</i>	<i>Quantum Dots: An Emerging Approach for Cancer Therapy</i>	<i>Devi, S.; Kumar, M.; Abhishek, T.; Babalghith, A.O.; Batiha, G.E.</i>	<i>Frontiers in Materials</i>	2022
177	<i>Article (Open Access)</i>	<i>Putting Knowledge into Practice: Type 2 Diabetes Management in Urban North India</i>	<i>Suri, M.; Kapur, D.</i>	<i>Journal of Diabetology</i>	2022
178	<i>Conference Paper</i>	<i>POE & Building Design: Design Intervention on Occupant Satisfaction and Well-Being</i>	<i>Mandadi, P.K.; Kapoor, M.K.; Raghavendran, R.; Sharma, A.</i>	<i>Zemch International Conference</i>	2022
179	<i>Article (Open Access)</i>	<i>Women and Diabetes: Risk Profiling of Young Working Women Using Indian Diabetes Risk Score</i>	<i>Suri, M.; Mahajan, P.</i>	<i>Journal of Diabetology</i>	2022

180	Book Chapter	<i>Microbial Ecology of Wastewater Treatment Processes: Trends, Challenges, and Perspectives</i>	<i>Chauhan, A.S.; Kumar, A.; Parmar, K.; Kumar, V.</i>	<i>Omics Insights in Environmental Bioremediation</i>	2022
181	Book	<i>Omics Insights in Environmental Bioremediation</i>	<i>Kumar, V.; Thakur, I.S.</i>	<i>Omics Insights in Environmental Bioremediation</i>	2022
182	Book	<i>Immunomodulators and Human Health</i>	<i>Kesharwani, R.K.; Keservani, R.K.; Sharma, A.K.</i>	<i>Immunomodulators and Human Health</i>	2022
183	Article (Open Access)	<i>Utilization of Kinase Inhibitors as Novel Therapeutic Drug Targets: A Review</i>	<i>Nishal, S.; Jhawar, V.C.; Gupta, S.; Phaugat, P.</i>	<i>Oncology Research</i>	2022
184	Book Chapter	<i>Microbial Community and Their Role in Bioremediation of Polluted E-waste Sites</i>	<i>Dey, S.; Shekhawat, M.S.; Pandey, D.K.; Kumar, V.; Dey, A.</i>	<i>Metagenomics to Bioremediation Applications</i>	2022
185	Editorial	<i>Enhanced Permeability and Retention Effect-Focused Tumor-Targeted Nanomedicines</i>	<i>Shekhar, S.; Chauhan, M.; Sonali, S.; S Muthu, M.S.; Singh, R.P.</i>	<i>Nanomedicine</i>	2022
186	Review (Open Access)	<i>Optimized Feature Selection and Image Processing Based Machine Learning Technique for Lung Cancer Detection</i>	<i>Nancy, P.; Surapaneni, R.K.; Rane, K.P.; Meenakshi, N.; Suartama, I.K.</i>	<i>International Journal of Electrical and Electronics Research</i>	2022
187	Article	<i>In Silico Designing of Coumarin Derivatives as Potential HDAC2 Inhibitors</i>	<i>Dhakla, P.; Dutt, R.; Rani, D.</i>	<i>Annals of Biology</i>	2022
188	Article (Open Access)	<i>Molecular Docking Studies on Phytoconstituents as Therapeutic Leads Against SARS-CoV-2</i>	<i>Abhishek, T.; Tiwari, V.; Verma, N.K.; Verma, R.; Suresh, S.</i>	<i>Polimery Polymers</i>	2022
189	Conference Paper	<i>Comparative Analysis on Techniques for Predicting Type 2 Diabetes Mellitus</i>	<i>Middha, K.; Agrawal, S.</i>	<i>Lecture Notes in Electrical Engineering</i>	2022
190	Article	<i>Detection of CAD using Optimization and Machine Learning Classification Techniques</i>	<i>Savita; Rani, G.; Mittal, A.</i>	<i>International Journal of Systematic Innovation</i>	2022
191	Article	<i>Empagliflozin Nanoparticles in Orodispersible Film: Preparation,</i>	<i>Sinha, S.B.; Sonali, U.; Garg, V.; Dutt, R.; Singh, R.P.</i>	<i>Drug Development and Industrial Pharmacy</i>	2022

		<i>Pharmacokinetics and Anticancer Activity</i>			
192	<i>Retracted (Open Access)</i>	<i>Detection of Pancreatic Cancer in CT Scan Images Using PSO SVM</i>	<i>Ansari, A.S.; Zamani, A.S.; Mohammadi, M.S.; Pounraj, D.; Kaliyaperumal, K.</i>	<i>Biomed Research International</i>	2022
193	<i>Short Survey</i>	<i>An Update on Recent Advances for the Treatment of Cerebral Malaria</i>	<i>Purohit, D.; Kumar, S.; Dutt, R.; Bhardwaj, T.</i>	<i>Mini Reviews in Medicinal Chemistry</i>	2022
194	<i>Article (Open Access)</i>	<i>Clerodendrum serratum Extract Attenuates Production of Inflammatory Mediators in Asthma</i>	<i>Arora, P.; Ansari, S.H.; Nainwal, L.M.</i>	<i>Turkish Journal of Chemistry</i>	2022
195	<i>Article</i>	<i>Polymeric Nano Micelles for Treatment of Skin Cancer and Phototoxicity</i>	<i>Mehan, N.; Kumar, M.; Bhatt, S.M.; Pahwa, R.; Kaushik, D.</i>	<i>Critical Reviews in Therapeutic Drug Carrier Systems</i>	2022
196	<i>Review</i>	<i>Superfood: Value and Need</i>	<i>Singh, M.P.; Soni, K.; Bhamra, R.; Mittal, R.K.</i>	<i>Current Nutrition and Food Science</i>	2022
197	<i>Article</i>	<i>Impact of Acoustic Broadcasting System: An Odisha Government Initiative to Teach Science</i>	<i>Meenakshi, N.</i>	<i>International Journal of Mechanical Engineering</i>	2022
198	<i>Article</i>	<i>Current Advancement in the Oxadiazole-Based Scaffolds as Anticancer Agents</i>	<i>Kapoor, G.; Bhutani, R.; Pathak, D.P.; Nagarajan, K.; Siddiqui, S.A.</i>	<i>Polycyclic Aromatic Compounds</i>	2022
199	<i>Article (Open Access)</i>	<i>Design Expert Assisted Formulation and Optimization of Repaglinide Nanoparticles</i>	<i>Maddiboyina, B.; Jhawar, V.C.; Nakkala, R.K.; Desu, P.K.; Gandhi, S.</i>	<i>Progress in Biomaterials</i>	2021
200	<i>Article</i>	<i>Nanoparticles: A Promising Tool to Promote Reactive Oxygen Species in Cancer Therapy</i>	<i>Chauhan, M.; Shekhar, S.; Yadav, B.; Sonali, U.; Singh, R.P.</i>	<i>Current Protein and Peptide Science</i>	2021
201	<i>Article</i>	<i>Design and Molecular Docking Studies of N-Mannich Base Derivatives of Primaquine Bearing Isatin on the Targets involved in the</i>	<i>Purohit, D.; Dutt, R.; Kumar, P.; Kumar, S.; Kumar, A.</i>	<i>CNS and Neurological Disorders Drug Targets</i>	2023

		<i>Pathophysiology of Cerebral Malaria</i>			
202	Article (Open Access)	<i>Genetic Polymorphisms of Gene Methionine Synthase Reductase (MTRR) and Risk of Urinary Bladder Cancer</i>	<i>Gautam, K.A.; Raghav, A.; Sankhwar, S.N.; Singh, R.R.; Tripathi, P.</i>	<i>Asian Pacific Journal of Cancer Prevention</i>	2023
203	Review	<i>Current Remedial Strategies for the Treatment of Rheumatoid Arthritis through the Oral Route with Janus Kinase Inhibitors</i>	<i>Mathur, P.; Verma, R.; Kumar, M.; Dutt, R.; Bhatt, S.M.</i>	<i>Drug Delivery Letters</i>	2023
204	Review	<i>Nanocapsules: An Emerging Drug Delivery System</i>	<i>Purohit, D.; Jalwal, P.; Manchanda, D.; Dutt, R.; Pandey, P.</i>	<i>Recent Patents on Nanotechnology</i>	2023
205	Book Chapter	<i>Insight into Epigenetics and Human Diseases</i>	<i>Saini, A.; Varshney, A.; Saini, A.; Mani, I.</i>	<i>Progress in Molecular Biology and Translational Science</i>	2023
206	Article (Open Access)	<i>Chromatographic Methods and Approaches for Bioequivalence Study, Drug Screening and Enantioseparation of Indapamide</i>	<i>Sethi, S.; Martens, J.; Bhushan, R.</i>	<i>Acta Chromatographica</i>	2023
207	Article	<i>Cyclodextrin-Based Arsenal for Anti-Cancer Treatments</i>	<i>Chopra, H.; Verma, R.; Kaushik, S.; Singh, I.; Kaushik, D.</i>	<i>Critical Reviews in Therapeutic Drug Carrier Systems</i>	2023
208	Article (Open Access)	<i>Microbial Strategies for Degradation of Microplastics Generated from COVID-19 Healthcare Waste</i>	<i>Dey, S.; Anand, U.; Kumar, V.; Bhat, S.A.; Dey, A.</i>	<i>Environmental Research</i>	2023
209	Review	<i>Exploring the Role of Self-Nanoemulsifying Systems in Drug Delivery: Challenges, Issues, Applications and Recent Advances</i>	<i>Verma, R.; Mittal, V.; Pandey, P.; Kumar, M.; Kaushik, D.</i>	<i>Current Drug Delivery</i>	2023
210	Review	<i>Post-Coronavirus Disease Mucormycosis: Predisposing Factors and Possible Treatment: A Narrative Review</i>	<i>Sinhmar, S.; Garg, V.; Malhotra, H.; Dutt, R.</i>	<i>Coronaviruses</i>	2022

211	Article (Open Access)	First Record of <i>Clonostachys rosea</i> (Ascomycota: Hypocreales) Entomopathogenic Fungus in the Mango Hopper <i>Amritodus atkinsoni</i> (Hemiptera: Cicadellidae)	Tamta, A.K.; Pandey, R.; Sharma, J.R.; Alrumman, S.A.; Helal, M.M.K.	Pathogens	2022
212	Article (Open Access)	Computational and Comparative Investigation of Hydrophobic Profile of Spike Protein of SARS-CoV-2 and SARS-CoV	Shekhawat, U.; Roy Chowdhury (Chakravarty), A.	Journal of Biological Physics	2022
213	Article	Development of Biocompatible Nanoparticles of Tizanidine Hydrochloride in Orodispersible Films: In vitro Characterization, Ex vivo Permeation, and Cytotoxic Study on Carcinoma Cells	Sinha, S.B.; Thapa, S.; Singh, S.K.; Rahman, M.H.; Kaushik, D.	Current Drug Delivery	2022
214	Book Chapter	Role of Medicinal Plants in the Treatment and Management of Obesity	Mohanalakshmi, S.; Kumar, C.K.A.	Natural Products for Treatment of Metabolic Syndrome	2022
215	Article (Open Access)	Recovery of Silver Nanoparticles and Management of Food Wastes: Obstacles and Opportunities	Dhanker, R.; Rawat, S.; Chandna, V.; Sharma, A.; Kumar, V.	Environmental Advances	2022
216	Article	Orally Administered Solasodine, a Steroidal Glycoalkaloid, Suppresses Ovalbumin-Induced Exaggerated Th2-Immune Response in Rat Model of Bronchial Asthma	Arora, P.; Nainwal, L.M.; Gupta, G.; Gregory George Oliver, B.G.G.O.; Dua, K.	Chemico-Biological Interactions	2022
217	Article (Open Access)	Exploration of Cytotoxic Potential of Longifolene/Junipene Isolated from <i>Chrysopogon zizanioides</i>	Grover, M.; Behl, T.; Virmani, T.; Meraya, A.M.; Bungau, S.G.	Molecules	2022

218	Article	<i>Phytochemical Analysis and In vitro Evidence of Antimalarial, Antibacterial, Antifungal, Antioxidant and Anti-inflammatory Activities of Emblica officinalis Fruit</i>	<i>Kaushik, J.; Yadav, M.; Sharma, N.M.; Dahiya, M.; Deep, A.</i>	<i>Anti-Infective Agents</i>	2022
219	Review (Open Access)	<i>Mechanistic Insights into the Pharmacological Significance of Silymarin</i>	<i>Wadhwa, K.; Pahwa, R.; Kumar, M.; Kaushik, D.; Jeandet, P.</i>	<i>Molecules</i>	2022
220	Article (Open Access)	<i>Seroprevalence of COVID-19 Infection Among Healthcare Workers: A Study from a Tertiary Care Hospital in the National Capital Region of India</i>	<i>Kataria, S.; Phogat, R.; Sharma, P.; Saxena, R.; Trehan, N.K.</i>	<i>National Medical Journal of India</i>	2022
221	Review	<i>Structurally Diversified Synthesized Molecules as Monoacylglycerol Lipase Inhibitors and Their Therapeutic Uses</i>	<i>Kashyap, A.; Kumar, S.; Dutt, R.</i>	<i>Current Drug Research Reviews</i>	2022
222	Article (Open Access)	<i>Progress in Microalgal Mediated Bioremediation Systems for the Removal of Antibiotics and Pharmaceuticals from Wastewater</i>	<i>Chandel, N.; Ahuja, V.; Gurav, R.G.; Yang, Y.; Bhatia, S.K.</i>	<i>Science of the Total Environment</i>	2022
223	Review (Open Access)	<i>Deciphering the Immunoboosting Potential of Macro and Micronutrients in COVID Support Therapy</i>	<i>Batiha, G.E.; Al-Gareeb, A.I.A.; Qusti, S.Y.; Verma, R.; Al-Kuraishy, H.M.K.</i>	<i>Environmental Science and Pollution Research</i>	2022
224	Review (Open Access)	<i>Innovation in Cancer Therapeutics and Regulatory Perspectives</i>	<i>Sharma, P.; Jhawar, V.C.; Mathur, P.; Dutt, R.</i>	<i>Medical Oncology</i>	2022
225	Review (Open Access)	<i>Advancement of Nanomedicines in Chronic Inflammatory Disorders</i>	<i>Jogpal, V.; Sanduja, M.; Dutt, R.; Garg, V.; Gupta, T.</i>	<i>Inflammopharmacology</i>	2022
226	Review (Open Access)	<i>Quantum Dots: An Emerging Approach for Cancer Therapy</i>	<i>Devi, S.; Kumar, M.; Abhishek, T.; Babalghith, A.O.; Batiha, G.E.</i>	<i>Frontiers in Materials</i>	2022

227	Article (Open Access)	<i>Putting Knowledge into Practice: Where Are We Going Wrong in the Management of Type 2 Diabetes? A Cross-Sectional Study on Urban Population in North India</i>	Suri, M.; Kapur, D.	<i>Journal of Diabetology</i>	2022
228	Conference Paper	<i>POE & Building Design: Design Intervention on Occupant Satisfaction and Well-being</i>	Mandadi, P.K.; Kapoor, M.K.; Raghavendran, R.; Sharma, A.	<i>ZEMCH International Conference</i>	2022
229	Article (Open Access)	<i>Women and Diabetes: Risk Profiling of Young Working Women Using Indian Diabetes Risk Score</i>	Suri, M.; Mahajan, P.	<i>Journal of Diabetology</i>	2022
230	Book Chapter	<i>Microbial Ecology of Wastewater Treatment Processes: Trends, Challenges, and Perspectives</i>	Chauhan, A.S.; Kumar, A.; Parmar, K.; Kumar, V.	<i>Omics Insights in Environmental Bioremediation</i>	2022
231	Book	<i>Omics Insights in Environmental Bioremediation</i>	Kumar, V.; Thakur, I.S.	<i>Omics Insights in Environmental Bioremediation</i>	2022
232	Book	<i>Immunomodulators and Human Health</i>	Kesharwani, R.K.; Keservani, R.K.; Sharma, A.K.	<i>Immunomodulators and Human Health</i>	2022
233	Article (Open Access)	<i>Utilization of Kinase Inhibitors as Novel Therapeutic Drug Targets: A Review</i>	Nishal, S.; Jhawar, V.C.; Gupta, S.; Phaugat, P.	<i>Oncology Research</i>	2022
234	Book Chapter	<i>Microbial Community and Their Role in Bioremediation of Polluted E-waste Sites</i>	Dey, S.; Shekhawat, M.S.; Pandey, D.K.; Kumar, V.; Dey, A.	<i>Metagenomics to Bioremediation Applications: Cutting Edge Tools and Future Outlook</i>	2022
235	Editorial	<i>Enhanced Permeability and Retention Effect-Focused Tumor-Targeted Nanomedicines: Latest Trends, Obstacles and Future Perspective</i>	Shekhar, S.; Chauhan, M.; Sonali, S.; Muthu, M.S.; Singh, R.P.	<i>Nanomedicine</i>	2022
236	Review (Open Access)	<i>Optimized Feature Selection and Image Processing Based Machine Learning Technique for Lung Cancer Detection</i>	Nancy, P.; Surapaneni, R.K.; Rane, K.P.; Meenakshi, N.; Suartama, I.K.	<i>International Journal of Electrical and Electronics Research</i>	2022

237	Article	<i>In Silico Designing of Coumarin Derivatives as Potential Histone Deacetylase2 Inhibitors (HDAC2)</i>	<i>Dhakla, P.; Dutt, R.; Rani, D.</i>	<i>Annals of Biology</i>	2022
238	Article (Open Access)	<i>Molecular Docking Studies on the Phytoconstituents as Therapeutic Leads against SARS-CoV-2</i>	<i>Abhishek, T.; Tiwari, V.; Verma, N.K.; Verma, R.; Suresh, S.</i>	<i>Polimery (Polymers)</i>	2022
239	Conference Paper	<i>A Study and Comparative Analysis on Different Techniques Used for Predicting Type 2 Diabetes Mellitus</i>	<i>Middha, K.; Agrawal, S.</i>	<i>Lecture Notes in Electrical Engineering</i>	2022
240	Article	<i>Detection of CAD Using Optimization Approach with Machine Learning Classification Techniques</i>	<i>Savita; Rani, G.; Mittal, A.</i>	<i>International Journal of Systematic Innovation</i>	2022
241	Article	<i>Empagliflozin Containing Chitosan-Alginate Nanoparticles in Orodispersible Film: Preparation, Characterization, Pharmacokinetic Evaluation and In-vitro Anticancer Activity</i>	<i>Sinha, S.B.; Sonali, U.; Garg, V.; Dutt, R.; Singh, R.P.</i>	<i>Drug Development and Industrial Pharmacy</i>	2022
242	Short Survey	<i>An Update on Recent Advances for the Treatment of Cerebral Malaria</i>	<i>Purohit, D.; Kumar, S.; Dutt, R.; Bhardwaj, T.</i>	<i>Mini Reviews in Medicinal Chemistry</i>	2022
243	Article (Open Access)	<i>Clerodendrum serratum Extract Attenuates Production of Inflammatory Mediators in Ovalbumin-Induced Asthma in Rats</i>	<i>Arora, P.; Ansari, S.H.; Nainwal, L.M.</i>	<i>Turkish Journal of Chemistry</i>	2022
244	Article	<i>Self-Assembly Polymeric Nano Micelles for the Futuristic Treatment of Skin Cancer and Phototoxicity: Therapeutic and Clinical Advancement</i>	<i>Mehan, N.; Kumar, M.; Bhatt, S.M.; Pahwa, R.; Kaushik, D.</i>	<i>Critical Reviews in Therapeutic Drug Carrier Systems</i>	2022
245	Review	<i>Superfood: Value and Need</i>	<i>Singh, M.P.; Soni, K.; Bhamra, R.; Mittal, R.K.</i>	<i>Current Nutrition and Food Science</i>	2022

4. Impact and Way Forward

GD Goenka University actively advances SDG 16 by fostering ethical governance, justice education, and inclusive institutional practices. Through strong administrative frameworks, legal awareness initiatives, and community engagement, the University promotes transparency, accountability, and the rule of law. The School of Law's initiatives—such as moot court competitions, legal-aid camps, and policy dialogues—enhance student understanding of justice and civic responsibility. Moving forward, GDGU aims to strengthen stakeholder participation in governance, expand research on ethical institutions and policy reform, and intensify outreach programs that promote peace, equality, and justice within society. These efforts will further reinforce GDGU's role as a model of integrity and institutional excellence in higher education.





SDG 4: Quality Education

GD Goenka University – Sustainability Initiatives and Achievements

1. Introduction

Quality education is the cornerstone of sustainable development, serving as a catalyst for social and economic progress. It equips individuals with the knowledge, skills, and critical thinking needed to address the world’s most pressing challenges, while fostering innovation, resilience, and empowerment across communities. Despite significant progress in recent decades, global education continues to face major challenges. Over 265 million children remain out of school, including 22% of primary school–age children, and many students who do attend school still lack foundational literacy and numeracy skills. While strides have been made in achieving gender parity at the primary education level, few countries have realized equality at all levels of learning. Key barriers include a shortage of trained teachers, inadequate school infrastructure, and inequities in access, particularly for rural and marginalized children.

Sustainable Development Goal 4 (SDG 4) seeks to ensure inclusive and equitable quality education for all and to promote lifelong learning opportunities. At its core, SDG 4 emphasizes universal access to primary and secondary education, affordable early childhood education, and the elimination of gender and socioeconomic disparities. It also highlights the importance of bridging education with employment, equipping learners with relevant skills for meaningful work, entrepreneurship, and economic empowerment.



CURRICULUM ENRICHMENT: ALIGNED WITH SDGs

Supreme Court Museum Visit
19th September 2024 |
Course : Professional Ethics and
Professional Accounting System
(SLC5704)

Legal Aid Awareness Camp
Bandwari on Rights of Elderly and
Persons with Disability
16th September 2022
Course : Law and Society (SLA2708)

5 GENDER EQUALITY

National Symposium on Gender Equality
21st April 2023
Course : Law and Women (DSC 01)

17 PARTNERSHIPS FOR THE GOALS

International Virtual Commercial Arbitration Moot Court Competition
in collaboration with CIARB
28-29 November 2020
Course : ADR (SLC4701)

4 QUALITY EDUCATION

Awareness Camp at Bhandal (School)
29th August 2022 |
Course : Data Protection and Information Privacy (SLH 4747)

10 REDUCED INEQUALITIES

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

Celebrations of Constitution Day
26th November 2024
Course : Constitutional Law (SLL 2708)

www.gdgoenkauniversity.com

<p>150K+ Alumni & Students Across the Globe</p>	<p>11+ Years of GD Goenka University</p>	<p>20+ La Petite Preschools</p>
<p>100+ Toddler House Preschools</p>	<p>150+ K-12 Schools</p>	<p>80+ Healthcare Academies</p>

GD GOENKA EDUCATION CITY

- Built to international standards spanning 60 acres
- Situated in the picturesque foothills of the Aravalli Range, on Sohna Road in Gurugram
- Only 40 minutes from Delhi's International Airport
- Offers both day-boarding and boarding facilities
- Education city providing programmes from Nursery to Master's and Doctoral levels
- Welcomes students from over 40 nationalities

A HOLISTIC EDUCATION ECOSYSTEM

SCHOOLS | UNIVERSITY | SKILLING | HOSTELS | SPORTS ARENAS



Beyond academics, SDG 4 advocates a holistic approach to learning that incorporates environmental awareness, global citizenship, cultural understanding, and the skills necessary for sustainable development. Education is recognized not only as a pathway to individual growth but also as a foundation for broader societal advancement. By fostering educated and empowered communities, societies can break cycles of poverty, improve health and well-being, promote gender equality, and strengthen resilience against social and environmental challenges. Achieving SDG 4 is thus integral to realizing the broader 2030 Agenda for Sustainable Development. Through strategic investments in scholarships, teacher training, infrastructure development, and inclusive learning environments, societies can ensure that all individuals—regardless of background or location—have the opportunity to reach their full potential and contribute to building sustainable, resilient, and equitable communities.

Beyond academics, GDGU encourages students to engage in community development, research, and innovation projects that contribute to societal well-being. By fostering awareness, critical thinking, and applied skills, the university helps learners become responsible global citizens capable of addressing challenges related to health, poverty, gender equality, and sustainable development. Through its educational, research, and outreach initiatives, GD Goenka University actively contributes to SDG 4, empowering students to reach their full potential and play a transformative role in building resilient, equitable, and sustainable communities.

2. GD Goenka University Initiatives

a) Students Enrolled

GD Goenka University (GDGU) is deeply committed to advancing Quality Education (SDG 4) through innovation, inclusivity, and excellence in teaching, research, and community engagement. The university aims to bridge educational gaps, foster creativity, and integrate real-world problem-solving into academic learning. By blending theoretical knowledge with practical experience, GDGU nurtures well-rounded professionals equipped to address contemporary social, economic, and environmental challenges.

Number of students in U, PG and PhD programs in GD Goenka University

Student Strength

Total Number of Full-time Students on Rolls	UG		PG		Ph.D.		UG Diploma		PG Diploma	
	M	F	M	F	M	F	M	F	M	F
	1993	1750	401	323	123	187	112	5	75	46
Total Number of Regular Academic Programs Offered (2023-2024)	UG				PG				Ph.D.	
	43				26				26	



Total Number of Degree(s) Awarded (Till August 2024)	UG	PG	Ph.D	PG Diploma
	3056	907	128	239

**b) Empowering Career Development and Lifelong Learning at GD Goenka University & Mentor-Mentee Policy:
A Contribution to SDG 4: Graduates to Teach**

GD Goenka University (GDGU) is deeply committed to delivering quality education in line with Sustainable Development Goal 4, which emphasizes inclusive, equitable, and lifelong learning opportunities for all. Since its establishment, GDGU has focused on nurturing a generation of skilled professionals equipped to contribute meaningfully to society and the nation's development. The university provides comprehensive career guidance, mentorship, and skill-building initiatives that ensure students are prepared to thrive in an increasingly complex and dynamic world.

To achieve this, GDGU has established a dedicated Career and Counselling Cell (CRC) that works in tandem with individual schools to design tailored training programs. These initiatives enhance students' aptitude, soft skills, and domain-specific competencies. The university administers assessments, employability workshops, and mentoring sessions to help students explore diverse career pathways and make informed choices aligned with their aspirations. Support is also extended for preparation in globally recognized exams such as IELTS, and national assessments including GATE, SSC, NET, Army, Judiciary Services, CTET, and other government examinations, enabling students to excel both domestically and internationally.

Guided career counselling lies at the heart of GDGU's approach to quality education. Structured sessions help students identify their strengths and areas for growth, while exposure to multiple professional pathways encourages informed decision-making. By integrating these programs within the academic curriculum, GDGU promotes holistic development, ensuring students are not only academically proficient but also capable of addressing contemporary challenges with innovation, adaptability, and resilience.

Through its rigorous academic framework, mentorship, and skill-building initiatives, GD Goenka University advances the objectives of SDG 4. The university empowers learners with knowledge, critical thinking, and practical skills necessary for lifelong learning, professional excellence, and active contribution to sustainable and inclusive societal development.

No. of Mentees	4467
No. of Mentors	232

Claim

- At GD Goenka University, faculty members ensure the implementation of the mentoring system that allows peer group mentoring along with the teacher-student mentoring.
- Mentors are allocated to mentees of GDGU for student mentorship. The mentors maintain their mentor-mentee data as per the devised formats.
- The day-to-day issues are resolved at the mentor level and further major issues/concerns reported at department head level are resolved by the concerned department head in consultation with the respective mentor and Chief mentor of the respective School.
- The mentorship reports are presented during the meetings of IQAC for the perusal of members.



Ref. No. GDGU/2023/41 July 01, 2023



Student Engagement and Experience

Standard Operating Procedure:
Mentor Mentee Interactions / Meetings

Version 1.2
(Amended in 2023)



G D Goenka University, G D Goenka Education City, Gate Number 3,
Gurugram – Sohna Road, Gurugram, Haryana

CONTENTS		
S. No.	Head	Page Number
1	Constitution of 'Committee for Student Engagement and Experience' (SSE)	3
2	Objectives	3
	Definitions and Interpretation (in alphabetical order)	
	<i>a)</i> Chairperson	
	<i>b)</i> Chief Mentors	
	<i>c)</i> Convener	
	<i>d)</i> Dean	
	<i>e)</i> Head of School	
	<i>f)</i> Member (SSE)	
	<i>g)</i> Mentors	
	<i>h)</i> Mentees	
	<i>i)</i> Overall Performance Index	
	<i>j)</i> Proctorial Activity	
	<i>k)</i> Special/Emergency Conditions	
	<i>l)</i> SSWT Analysis	
	<i>m)</i> University	
3		4
4	Hierarchy of Stakeholders under SSE	5
5	Responsibilities of SSE	5
6	Meetings of SSE	5
7	Selection and Appointment of Chief Mentor	6
8	Responsibilities of Chief Mentors	6
9	Appointment / Allotment of Mentor for Mentee	6
	Conduct of Mentor-Mentee Interaction	
	<i>A.</i> Allocation of Mentees	6
	<i>B.</i> Opening of Mentorship	7
	<i>C.</i> Closing of Mentorship	7
	<i>D.</i> Dates of Mentees	7
	<i>E.</i> Duration of Mentor-Mentee alliance	7
	<i>F.</i> Areas of Review during Mentor-Mentee Interaction	8
	<i>G.</i> Outline of Mentor/Mentee Interactions	9
	<i>H.</i> Number of Interactions	9
	<i>I)</i> Mode of Interactions	9
	<i>II)</i> Minutes of Mentor-Mentee Interaction	10
	<i>IV)</i> Format of Minutes of Mentor-Mentee Interaction	10
	<i>v)</i> Record maintenance of Mentor-Mentee Interaction by Mentors	10-11
	<i>vi)</i> Special/Emergency Circumstances	11
	<i>vii)</i> Individual complaints during Mentor-Mentee Interactions	12
	<i>viii)</i> Confidentiality Clause	12
	<i>H.</i> Confidentiality Clause	12
11	Force Majeure Clause	12
	Annexures	
	<i>I.</i> Office Order 152	
	<i>II.</i> Mentor Personal Detail Form (Individual Mentoring)	
	<i>III.</i> Mentor-Mentee Meeting Form (Group Mentoring)	
	<i>IV.</i> Format of Compiled Report by Mentors and Chief Mentor	

- 2 -



Metric 2.3.2:

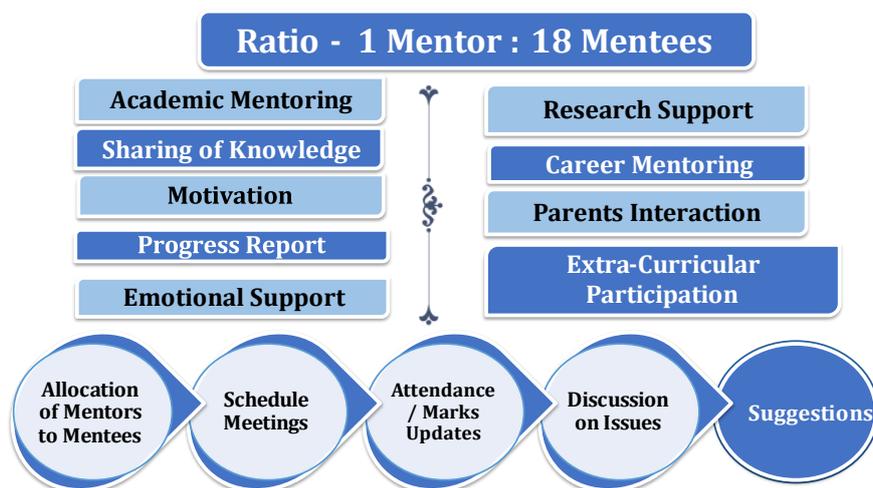
The institution adopts effective Mentor-Mentee Schemes to address academics and student-psychological issues

2.3.2 Approved Mentor-Mentee list of School of Law

SCHOOL OF LAW			
MENTOR MENTEE LIST FOR THE ACADEMIC YEAR 2023-2024			
BA LL.B. (H)			
NAME OF MENTOR	S.NO.	ENROLLMENT NO.	NAME OF THE STUDENT
MR. PANKAJ AVASTHI	1	230060401001	Vishwadeep Vijay Yadav
	2	230060401055	Kumari Simran Simran
	3	230060401042	Phenil Banerjee
	4	230060401043	Payoja Banerjee Banerjee
	5	230060401030	Alyn Ndlovu
	6	230060401044	Aryan Kadian
	7	230060401032	Krishna Malhotra
	8	230060401035	Mehul Sharma
	9	230060401036	Ubika Azni
	10	230060401033	Neeraj Sangwan
	11	230060401037	Nishu Nishu
	12	230060401039	Taniya Bisht
	13	230060401002	Rajalakshmi Shankar Srinivasan
	14	230060401004	Jitesh Chandna
	15	230060401005	Isha Soni
	16	230060401006	Dikshant Chauhan
	17	230060401007	Gulafsha Khan
	18	230060401009	Ansar
	19	230060401010	Pari Gupta
	20	230060401012	Yuvraj
MS. VIBHA BANDHU	21	230060401013	Nitin
	22	230060401014	Kashish Soni
	23	230060401015	Khushboo
	24	230060401018	Sahil Kumar
	25	230060401019	Kriti Kumari
	26	230060401022	Ruksaar Maksood
	27	230060401026	Akarshak Singh Parihar
	28	230060401027	Archita Pithani



Personalized support through Mentor-Mentee Program



www.gdgoenkauniversity.com

2.3.2.3-Issues-raised-and-resolved-by-Mentor-mentee-system.pdf

39

Student Support Initiatives



Activities for Slow Learners

- ❖ Peer Tutoring
- ❖ Remedial Classes
- ❖ Study Groups
- ❖ Structured Notes
- ❖ Visual Aids via Flowcharts, diagrams
- ❖ Assignments & Question Solving Sessions



MENTOR-MENTEE SESSIONS
www.gdgoenkauniversity.com



Assignments & Question Solving Sessions

Activities for Average Learners

- ❖ Collaborative Projects
- ❖ Case Studies
- ❖ Classroom Discussion
- ❖ Regular Assignments
- ❖ Seminar
- ❖ VAC Courses
- ❖ Extracurricular



Classroom Discussion



Collaborative Projects

37



c) Corporate Resource Center: Bridging Education and Employability at GD Goenka University

At GD Goenka University (GDGU), education extends far beyond classroom instruction. Preparing students to thrive in a rapidly evolving global environment requires a holistic ecosystem that combines academic excellence with practical industry exposure. The Corporate Resource Center (CRC) embodies this vision by creating career-ready graduates equipped with the knowledge, skills, and competencies demanded by today's workplaces.

The CRC bridges the gap between academic learning and industry expectations through structured initiatives, immersive skill-building programs, and sustained collaboration with corporate partners. Best practices in career advancement guide all CRC activities, ensuring personalized and high-quality student support. Key components include:

- Career Counselling and Guidance Framework
- Structured Employability Programs
- Integrated Learning
- Continuous Feedback Mechanisms
- Industry–Academia Collaboration
- Employability Enhancement Programs
- Skill-Building Initiatives

Through these initiatives, GD Goenka University operationalizes SDG 4 by ensuring inclusive, high-quality education that equips students with the knowledge, skills, and competencies to excel in their careers, contribute to societal development, and engage in lifelong learning.

d) National Education Policy 2020 (NEP) - The institutional governance and leadership at GD Goenka University align closely with the vision and mission of the institution. This alignment is evident in various institutional practices, including the implementation of the National Education Policy 2020 (NEP), sustained institutional growth, decentralized decision-making, active participation in governance by stakeholders, and the formulation and execution of both short-term and long-term Institutional Perspective Plans.



NEP Implementation



Phase-I 2023-25	Phase-II 2025-27	Phase-III 2027-29
<ul style="list-style-type: none"> • 34 courses implementation of NEP-2020 from AY 2023-24 (except programs governed by regulatory Bodies) • Major & Minors • Skill Enhancement Courses • Multidisciplinary Courses • Value-Added Courses • Ability Enhancement Courses • Nomination of NEP SAARTHI 	<ul style="list-style-type: none"> • Curriculum Updates with Indian Knowledge System (IKS) Courses • Community Service Integration • MOOCs/NPTEL/SWAYAM courses integrated in the Curriculum • Compulsory 4 credit Internship • Provision for Multiple Entry and Exit 	<ul style="list-style-type: none"> • Integration of Vocational education into mainstream program • Introduction of Online Degree in conventional courses. • Internationalization (joint/ twinning/ dual degree) • Establishment of National Research Foundation • Translation of books into Indian languages

www.gdgoenkauniversity.com

ACHIEVEMENT & RECOGNITION

<p>Part of the United Nations Academic Impact (UNAI) Program, joining over 1,700 institutions worldwide in advancing.</p> <p>www.gdgoenkauniversity.com</p>	<p>Recognized among India's greenest campuses with prestigious LEED Platinum Certification for sustainability excellence.</p>	<p>Certified Great Place to Work for Excellence and Employee Satisfaction</p>	<p>Times Higher Education Impact Ranking Score Sheet 2025</p>





Global Exposure to Students Academic Partnerships through UID



**POLITECNICO
MILANO 1863**



All Design Programmes



**NOTTINGHAM
TRENT UNIVERSITY**



Global Design
Programme



#GrowWithGoenka



Thrive. For Life.



A Parisian Partnership

Hosting the 128 Year Old Le Cordon Bleu,
the World's Leading Culinary School from France



f) Revolutionising Education

GD Goenka University (GDGU) is redefining the future of learning through innovation, technology integration, and a learner-centric approach. The university's vision of "Transforming Dreams into Reality" is reflected in its commitment to revolutionising education by combining academic rigor with experiential and skill-based learning. GDGU emphasizes creativity, critical thinking, and interdisciplinary collaboration to prepare students for the evolving global landscape.

The university has adopted modern pedagogical practices, including outcome-based education, project-based learning, flipped classrooms, and digital learning platforms that enhance student engagement and autonomy. Advanced laboratories, smart classrooms, and virtual learning environments enable students to gain practical exposure and global perspectives.

GDGU's strong focus on research-led teaching ensures that students are not only consumers of knowledge but also contributors to innovation. The integration of technology, entrepreneurship, and sustainability into academic programs equips learners with the competencies required for Industry 4.0 and beyond.

Through collaborations with international universities, industries, and research organizations, GD Goenka University continues to create opportunities for global learning and cultural exchange. Its emphasis on inclusivity, lifelong learning, and social impact reflects a transformative approach that aligns education with the broader goals of human development and sustainable progress.



g) Outcome Based Education

Outcome Based Education is an educational framework that focuses on what students are able to do after they graduate. Under OBE, curricula, teaching methods, assessments, and learning resources are all designed to ensure students achieve specific learning outcomes, such as subject knowledge, skills, and attitudes.

How OBE works:

- Defining clear learning outcomes for each course and programme (e.g. critical thinking, technical skills, ethical reasoning)
- Aligning course content, assessments, and teaching methods with those outcomes
- Measuring students' achievements against those outcomes
- Continuously improving curricula based on feedback and assessment results

Examples of OBE at GD Goenka University:

- Smart / interactive classrooms and labs where students learn by doing rather than just listening to lectures
- Capstone or project-based assignments where students solve real-life problems (e.g. a final year project designing a sustainable system or product)
- Regular feedback loops: collecting student feedback on what they learned vs what they expected, and reworking course modules accordingly
- Incorporation of industry-relevant skills (e.g. digital tools, communication, data analysis) into learning outcomes and assessments



h) Scholarships



Dated: 29.12.2023

SANCTION OF THE SCHOLARSHIPS/FREESHIP FOR THE ACADEMIC SESSION 2023-24

As per the recommendation of the Scholarship Awards Committee after reviewing the applications for Scholarships in different categories, the Board of Management, GDGU in its 51st meeting /Agenda 51.4 dated 22/12/2023 *“(To approve the recommendations of scholarship by the Scholarship Award Committee for the students admitted in the academic year 2023-24)”* has sanctioned the scholarship/freeship to students for the academic year 2023-24 as follows:

Sr. No.	Title of Scholarship/Freeship Category	Number of students benefitted by Scholarship/Freeship	Amount Sanctioned (INR)
1	On-Admission Merit Scholarship	481	31446650
2	Admission Sports Scholarship	1	11000
3	Haryana MCM	112	11745000
4	First Attempt AGPA	37	2191350
5	MAT Based Scholarship	5	214800
6	Chancellor Scholarship (Underprivileged Girls/Boys)	61	10420999
7	Goenkan Scholarship	3	78000
8	Tuition Fee Waiver 100%	5	749000
9	EWS Scholarship	1	14600
10	International Student Fee Freeship	377	20052200
11	Student Learning Enhancement Support Scheme	278	1390000
12	Financial Assistance to Girl-Students	476	2380000
13	Edu Empower Scheme	2630	13150000
	Total	4467	93843599



Dr. Anand Kumar Singh
Member



Mr. Mohit Singhal
Member



Prof. (Dr.) Tanuja Kaushik
Member



Prof. (Dr.) Naresh Sharma
Coordinator



Prof. (Dr.) Anuradha Tiwari
Member Secretary



Prof. (Dr.) Kim Menezes
Vice-Chancellor



GD Goenka University offers a range of scholarships to support deserving students across academic, sports, and cultural domains. These include:

- Merit-based fee waivers for undergraduate and postgraduate admissions, depending on performance in board exams or entrance tests.
- Scholarships tied to national-level tests or university entrance examinations.
- Special scholarships for sports achievements, social service, cultural performance, or bravery awards.
- Eligibility for some scholarships based on domicile status (e.g. Haryana domicile).
- Scholarships are awarded for a specific academic year and reviewed annually, with continuation often dependent on student performance.

3. Student Engagement and Initiatives

GD Goenka University emphasizes experiential learning and community participation as essential components of quality education. Various initiatives—such as community learning programs, school outreach drives, and awareness campaigns—are conducted to promote education beyond the classroom. The university organizes inter-school competitions, leadership workshops, and youth innovation challenges to encourage creativity and critical thinking among students. Programs like Youth for Change, SDG Clubs, and skill-development workshops provide platforms for students to apply their learning in real-life contexts.





Through these outreach efforts, GDGU reinforces the values of inclusivity, sustainability, and social responsibility, ensuring that education contributes to building empowered and compassionate global citizens.



4. Partnerships for Inclusive Growth

<https://www.gdgoenkauniversity.com/collaborations>

MEMORANDUM OF UNDERSTANDING
Between
ASSOCIATED BIOTECH BADDI
&
G.D.GOENKA UNIVERSITY, GURUGRAM, HARYANA

- 1. RATIONALE FOR THE AGREEMENT**
Associated Biotech Vill. Kishanpura Gurumajra The. Baddi Distt. Solan HP and G.D.Goenka University (GDGU), Sohna Road, Gurugram, Haryana hereby enter into an Agreement for academic collaboration and training support.
- 2. PURPOSE OF THE AGREEMENT**
The purpose of this Agreement is to facilitate continued dialogue between staff and students of the two institutions with specific reference to:
 - 2.1 dialogue between staff and students in relation to area of possible mutual academic and training interest; and
 - 2.2 the provision of a forum for the dissemination of information and experience among staff and students.
 - 2.3 using the existing infrastructure & resources for preparing competent man powers in various areas of pharmaceutical sciences like Manufacturing, QA, QC and clinical research.
- 3. AGREEMENT**
Through frequent communication, the parties may:
 - 3.1 Facilitate students from GDGU to do Internship at their facility in under the Supervision and/or Guidance of staff members assigned by the company.

CORP. OFFICE : Plot No. 361, 1st Floor, Industrial Area, Phase-1, Panchkula, Haryana - 134 113
Tel. : +9198759 85941 Website: www.associatedbiotech.com

WORKS: Village Kishanpura, Guru Majra Road, Teh. Malagarh, Baddi - 174101 (H.P.) Tel. : +91 92186 89018

AGREEMENT

This Agreement (hereinafter referred to as "Agreement") made on 30th July 2022, by and between:

G. D. Goenka University (hereinafter referred to as "GDGU"), established under Act. No. 10 of the Haryana Private Universities Act 2006 vide Haryana Private Universities (Amendment) Act No. 8 of 2013, located at G D Goenka Education City, Sohna Road, Gurgaon-122103, Haryana, India. GDGU an autonomous body recognized by University Grants Commission under section (2) of UGC ACT 1956 (hereinafter referred to as "GDGU", which expression shall, unless repugnant to the context and meaning thereof, mean and include its executors, administrators, successors and permitted assigns) of the **FIRST PART**;

AND

Aary Healthcare Private Limited, incorporated under the corporate act having its registered office in Sector - 90, Gurgaon, Haryana - 122595 (hereinafter referred to as "Hospital" which expression shall unless repugnant to the context or meaning thereof, Mean and include its executors, administrators, successors and permitted assigns) of the **SECOND PART**.

Hospital and GDGU shall be hereinafter collectively referred to as "Both Parties"

WHEREAS:

1. G D Goenka University is established with a vision to become an internationally recognized institutional of higher learning through inclusive, innovative and value-based education & research preparing socially responsible citizens.
2. Hospital owns and operates healthcare and research services under the brand name Aary Healthcare Private Limited.

INDIA NON JUDICIAL
Government of Karnataka

e-Stamp

Certificate No. : IN-KA96027964390835W
Certificate Issued Date : 16-01-2024
Account Reference : NONACC/FII/EX/108/INDIRA NAGARS/KA-SV
Unique Doc. Reference : SUBIN-KAKACRS/FU0857131241947339W
Purchased by : Carl Zeiss India (Bangalore) Pvt. Ltd
Description of Document : Agreement (in any other cases [50]) for Rs. 100 Stamp
Property Description : MEMORANDUM OF UNDERSTANDING
Consideration Price (Rs.) : 0
First Party : G.D. Goenka University
Second Party : Carl Zeiss India (Bangalore) Pvt. Ltd
Stamp Duty Paid By : Carl Zeiss India (Bangalore) Pvt. Ltd
Stamp Duty Amount (Rs.) : 100 only

Stamp Paper with certificate no. IN-KA96027964390835W forms an Integral Part of Agreement Between G.D. Goenka University AND Carl Zeiss India (Bangalore) Pvt. Ltd

Document Signed by: **Ashu Kumar**
Document Signed by: **Sandeep Kumar**
Document Signed by: **Sandeep Kumar**

AGREEMENT

This Agreement (the "Agreement") made on 28.05.2022, by and between:

GD Goenka University (hereinafter referred to as "GDGU"), established under Act. No. 10 of the Haryana Private Universities Act 2006 vide Haryana Private Universities (Amendment) Act No. 8 of 2013, located at GD Goenka Education City, Sohna Road, Gurgaon-122103, Haryana, India. GDGU an autonomous body recognized by University Grants Commission under section 22 of UGC ACT 1956 (hereinafter referred to as "GDGU", which expression shall, unless repugnant to the context and meaning thereof, mean and include its executors, administrators, successors and permitted assigns) of the **FIRST PART**;

AND

Indira Gandhi Eye Hospital and Research Centre (hereinafter referred to as "IGEHR"), the eye care programme of the Rajiv Gandhi Charitable Trust (RGCT) having its registered office at Sector 62, Gurugram, Haryana - 122102 (INDIA) (which expression shall unless repugnant to the context or meaning thereof, mean and include its executors, administrators, successors and permitted assigns) of the **SECOND PART**.

GDGU and IGEHR shall be hereinafter collectively referred to as "Parties" and individually as a "Party".

WHEREAS:

- A. GDGU is a private university established by GD Goenka University, Connaught Place, New Delhi-110001 (company limited by shares not for profit) with a vision to become an internationally recognized institutional of higher learning through inclusive, innovative and value-based education & research preparing socially responsible citizens.
- B. IGEHR is established by the Rajiv Gandhi Charitable Trust (RGCT) with a vision to be the provider of world class eye care, especially to the poorest, across north India. RGCT is successfully rendering eye care programme through a chain of eye hospitals in Amethi, Lucknow, sohna and Gurugram.
- C. GDGU and IGEHR have the common objective of developing well-trained and high quality human resources in Optometry sector and accordingly desire to collaborate for purpose of offering internship programs to the students of GDGU on such terms and conditions as set out in this Agreement.

NOW, THIS AGREEMENT WITNESSETH AND IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

1. B.Optomtery 4th Year Internship



5. Research and Publications

GD Goenka University (GDGU) has established itself as a hub for innovation, research, and interdisciplinary collaboration, fostering a strong culture of inquiry across diverse academic disciplines. The university's Research and Development (R&D) Department, established in 2016, serves as the central body for advancing high-quality research, facilitating research grants, promoting intellectual property rights (IPR), and nurturing collaborations with national and international institutions. GDGU's research ecosystem is structured around dedicated centres of excellence, state-of-the-art laboratories, and cross-disciplinary initiatives that align with national and global research priorities.

a) Key Research Centres and Facilities

Centre of Excellence



Center of Innovation and Entrepreneurship



Rezwan Razack's Centre of Numismatic Studies and Research



Student Building and Flying RC Aircraft in Aero Modelling workshop



Occupational Health, Safety, Fire & Environment



AVISHKAR Centre of Innovation and Incubation



Center of Excellence in Industry 4.0

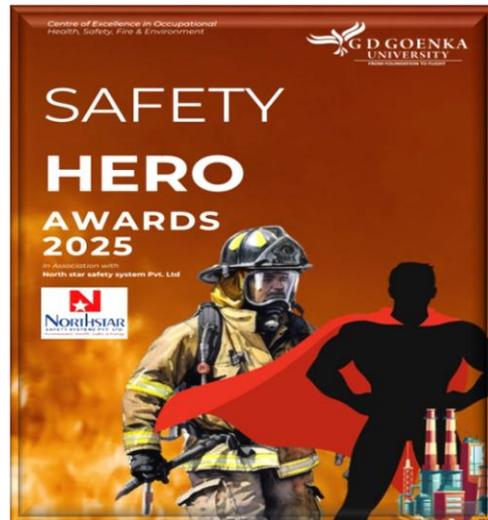


Centre for Conflict Resolution



Innovation and Incubation





Centre of Excellence in Occupational Health, Safety, Fire, and Environment (C-OHSFE)

GD Goenka University promotes a vibrant research ecosystem across its diverse schools, encouraging interdisciplinary collaboration and innovation. Faculty and students are engaged in projects focusing on sustainable technologies, digital education tools, and social innovation. Research areas include the development of bio-based materials for sustainability, AI applications in education and healthcare, renewable energy utilization for campus operations, and smart agriculture solutions. These initiatives align with the university's vision of contributing to a sustainable and knowledge-driven society. Through partnerships with industries, research organizations, and government agencies, GDGU ensures that its research outcomes have practical, community-level impact.

Research Projects	
<p>1. Project Title: Modeling and simulations of Supernovae type Ia light curves: Connecting observations with theory Granting agency: Science and Engineering Research Board (SERB), India. Amount: INR-2280520/- PI: Dr Shashikant Gupta Department of Basic & Applied Sciences, School of Engineering & Sciences CO-PI: Dr Abhinav Gupta School of Engineering & Sciences Summary: Supernovae type Ia (SNeIa) are among the most important tools in modern cosmology. Most of the information about the SNe is obtained through their Light Curves (LC) and spectrum. LC shows the variation of the brightness of SN with time. However, there are gaps in understanding of the SNe physics. For instance the dependence of LC shape on mass of ^{56}Ni and synthesized in the explosion, relation between the peak luminosity and the decline rate is poorly understood. PIs are preparing software/computer programs to numerically simulate the LCs to understand the explosion mechanism in detail.</p> <p>2. Project Title: MULTIVARIATE ANALYSIS AS A TOOL IN GROUNDWATER QUALITY ASSESSMENT OF MEWAT DISTRICT Funding Agency: Science & Engineering Research Board (SERB), Department of Science & Technology, New Delhi Grant Amount: INR 2701800/-</p> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  <p>Name of PI : Dr. Smita Good Assistant Professor, School of Engineering & Sciences, GD Goenka University, Sohna, Gurugram, Haryana, India</p> </div> <div style="text-align: center;">  <p>Name of Co-PI :Dr. Priyanka Sharma Assistant Professor, School of Engineering & Sciences, GD Goenka University, Sohna, Gurugram, Haryana, India</p> </div> </div> <p>Summary: Mevat is one of the district of Haryana where groundwater is used as one of the source for drinking, agriculture as well as for industrial purposes. Therefore, it was thought to investigate water quality of the Mevat district whether it is potable or not by physico-chemical analysis and further multivariate statistical methods will be used to facilitate the solution of environmental problems and suggest clues for the understanding of some natural processes. The proposal will highlight the types of the pollutants present in the water samples collected from different areas and the factors affecting the concentration of each of the parameters. The finding will be helpful for the local government to plan the use and protection of groundwater resources. The government can make sustainable strategies for management of water by various awareness & training programs to educate people regarding consequences of over exploitation of natural resources.</p> <p>3. Project title: Studies on Therapeutic Aspects of Nucleic Acid Aptamer-grafted-RGD Receptor Targeted Theranostic Chitosan-PLGA Nanoparticles for Brain Cancer Diagnosis and Treatment Grant amount: Rs. 41,00,300/- (Rupees Forty One Lakh and Three Hundred Sixty only) Funding agency: Science & Engineering Research Board(SERB), Department of Science & Technology (DST), Government of India</p>	<div style="text-align: center;">  <p>PI: Dr. Rahul Pratap Singh Assistant Professor School of Medical and Allied Sciences GD Goenka University, Sohna, Gurugram, Haryana, India</p> </div> <p>4. Type of Proposal - Academic Funding Agency - DST-SERB Reference number - EMR/2016/001085 Title of Project - Multivariate Analysis as a tool in Groundwater Quality Assessment of Mewat District Investigators - PI: Dr. Priyanka Sharma, SoBAS, GDGU Amount - ₹ 27 01,800.00 Date of submission - 2016 Status - Completed Date of Completion - 2020 Status Till Date (Accepted/ Rejected/ Under-Evaluation) - Accepted and Completed</p> <p>5. Type of Proposal - Academic Funding Agency - DST-SERB Reference number - EMR/2017/003714 Title of Project - Modelling and Simulation of Supernovae Light Curves: Connecting Observations with Theory Investigators - PI: Dr. Shashikant Gupta, SoBAS, GDGU Amount - ₹ 22,80,520.00 Date of submission - 2017 Status - Completed Date of Completion - 2021 Status Till Date (Accepted/ Rejected/ Under-Evaluation) - Accepted and Completed</p> <p>6. Type of Proposal - Academic Funding Agency - DST-SERB Reference number - EEO/2019/000218 Title of Project - Studies on Therapeutic Aspects of Nucleic Acid Aptamer-grafted-RGD Receptor Targeted Theranostic Chitosan-PLGA Brain Cancer Diagnosis and Treatment Investigators - PI: Dr. Rahul Pratap Singh Amount - ₹ 41,00,300.00 Date of submission - 2019 Status - In Progress</p>

c) Research and Innovation Governance

The university's University Research and Innovation Council (URIC) provides strategic direction to its research agenda, ensuring alignment with national priorities such as Atmanirbhar Bharat, Digital India, and the Sustainable Development Goals (SDGs). The council also oversees quality assurance, ethics compliance, and capacity building among researchers.

GDGU has received research grants from premier funding agencies, including the Science and Engineering Research Board (SERB), supporting projects on groundwater quality assessment in the Mevat region, digital learning systems, and astrophysical modelling.

The university also maintains centralized research facilities, promotes interdisciplinary collaboration, and regularly conducts seminars, faculty development programs, and international conferences to strengthen its research ecosystem.

<https://www.gdgoenkauniversity.com/pdf/Innovations.pdf>



d) Publications

The university's faculty and researchers actively contribute to publications addressing key global challenges such as sustainable development, digital transformation, educational inclusivity, and environmental protection. GDGU's research outputs include policy briefs, journal articles, and case studies focusing on education innovation, technological interventions, and social equity. These scholarly contributions reflect the university's dedication to producing actionable knowledge that advances both academic discourse and societal well-being.

SDG 4 – Quality Education - Publications - 18

S.No.	Type	Title	Authors	Journal / Book	Year
1	Article • Open Access	Faculty transformation for enhanced student learning: A structural equation modelling study on responsible management education in India	Banerji, B.; Girija, S.; Sharma, D.R.; Batra, N.; Sriramneni, C.	Journal of University Teaching and Learning Practice	2025
2	Article • Open Access	Solar ViT: Vision Transformer for Fault Detection in Solar PV Systems	Makwane, P.; Kumar, Y.; Srivastava, A.; Singh, S.; Sisodiya, V.	International Journal of Basic and Applied Sciences	2025
3	Book Chapter	Bringing Inclusivity for the Differently Abled Through Leadership and Innovation in Higher Educational Institutes: The Educationists' Perspective	Saini, K.; Khan, N.; Khalique, F.	Leadership Paradigms and the Impact of Technology	2025
4	Book Chapter	Gender Difference in Mathematics Performance: A Global Perspective	Kaushal, R.	Subverting Social Inequalities: Gender as a Social Reality	2025
5	Article	Enhanced WDM system with dynamic bandwidth allocation and performance monitoring	Gummadi, D.V.; Nampally, H.; Sagabala, P.; Sachdeva, S.; Shukla, M.K.	Journal of Optical Communications	2025
6	Review • Open Access	Critical Review of Use of Medical Versus Social Model for Identification of Learning Disabilities	Kapoor, G.; Kaul, S.	Journal of Indian Association for Child and Adolescent Mental Health	2024

7	Book Chapter	A comparison of India's higher education quality accreditation parameters with those of other international accreditation agencies	Kapoor, S.; Khalique, F.; Khan, N.	Evaluating Global Accreditation Standards for Higher Education	2024
8	Conference Paper • Open Access	Human-Centric AI Adoption and Its Influence on Worker Productivity: An Empirical Investigation	Shchepkina, N.; Ramnarayan, N.; Dhaliwal, N.; Nangia, R.; Kumar, M.	Bio Web of Conferences	2024
9	Conference Paper	Blueprint for a Commercial Spaceport in the United Arab Emirates: A Springboard for Innovation and Economic Growth in the Space Industry	Guven, U.; Goel, E.	Proceedings of the International Astronautical Congress (IAC)	2024
10	Article	Exploring the drivers and barriers to the non-formal education in Anganwadi centers for sustainable development education: a multiple stakeholder study	Garg, R.; Chhikara, R.; Kataria, A.; Agrawal, G.	International Journal of Inclusive Education	2024
11	Article	Ensemble Learning for Appraising English Text Readability using Gompertz Function	Kumar, R.; Arora, S.; Arya, A.; Arya, V.; Singh, E.	International Journal of Performability Engineering	2023
12	Article	Culture, Compliance, Collaboration led Green Entrepreneurship for Environment Protection	Prasad, M.; Jha, A.	Indian Journal of Environmental Protection	2023
13	Conference Paper	Educational AI and Ethical Growth: Exploring the effects of ChatGPT on student learning strategies, critical thinking, and academic ethics from a Bangladeshi academic perspective	Khan, M.M.R.R.; Bin Habib, S.; Tasnim, S.T.; Islam, M.A.	26th International Conference on Computer and Information Technology (ICIT)	2023
14	Article	Sustainable consumption practices in Indian households: a saga of environment management linked to Indian ethos and generational differences	Kaur, J.; Mogaji, E.; Wadera, D.; Gupta, S.	Society and Business Review	2022
15	Article	SDG 4 and Program inclusive credit-based MOOCs in Higher Educational Institutions of India (HEIs): Students' perspective	Singh, A.; Kakkar, K.B.	Transnational Marketing Journal	2022

16	Article • Open Access	Unification of multimedia with techniques of art and vedic aphorisms for development of mathematical skills: A study of Indian and UK school students	Bawa, S.K.; Kaushal, R.; Dhillon, J.K.	Journal on Efficiency and Responsibility in Education and Science	2020
17	Article	A meta-analysis of the impact of technology on learning effectiveness of elementary students	Chauhan, S.	Computers and Education	2017
18	Article	Determinants of acceptance of ERP software training in business schools: Empirical investigation using UTAUT model	Chauhan, S.; Jaiswal, M.P.	International Journal of Management Education	

6. Impact and Way Forward

GD Goenka University's initiatives in quality education have significantly enhanced student learning outcomes, employability, and holistic development. Through comprehensive academic programs, career counselling, skill-building workshops, and industry immersion, students have gained both theoretical knowledge and practical competencies aligned with global standards. The university's focus on inclusive education, interdisciplinary learning, and mentorship has fostered critical thinking, innovation, and lifelong learning among its student community.

Looking ahead, GDGU plans to further strengthen its academic and professional ecosystem by expanding research collaborations, enhancing partnerships with industry and government, and introducing innovative pedagogical approaches. The University aims to continuously improve access to quality education, reduce skill gaps, and equip students with the competencies needed to thrive in a rapidly evolving world. By advancing these strategies, GDGU remains committed to driving systemic educational transformation and contributing meaningfully to the achievement of SDG 4 at local, national, and global levels.



SDG 5: Gender Equality

GD Goenka University - Sustainability Initiatives and Achievements

1. Introduction

India has advanced toward SDG 5 - Gender Equality, with the NITI Aayog’s SDG India Index score for this goal rising from 36/100 in 2018 to 49/100 in 2023-24, fuelled by improvements in sex ratios, labour force participation, and institutional deliveries. The government’s Gender Budget Statement 2025-26 allocates 6.5% of the Union Budget—over ₹3 lakh crore—across 33 ministries to women-centric schemes, embedding gender equity into national development and aligning with global targets to end discrimination, violence, and economic barriers.

Key initiatives include Beti Bachao Beti Padhao (launched 2015), which boosts girl child education and survival through campaigns, improving the child sex ratio from 918 in 2011 to 929 in 2020; Pradhan Mantri Matru Vandana Yojana, providing ₹5,000 maternity benefits to over 2.8 crore women since 2017 to support care work; and Mahila Shakti Kendra, establishing community hubs in 14,000+ blocks for skill training and legal aid to empower rural women. Additional efforts like the One Stop Centre Scheme (serving 7 lakhs+ violence survivors since 2015), Stand-Up India (facilitating loans for 1.5 lakh+ women entrepreneurs), Nirbhaya Fund (₹7,712 crore for safety projects), and Sukanya Samridhi Yojana for girls’ financial security further drive progress, with state-level programs like Maharashtra’s Mukhyamantri Majhi Ladki Bahin Yojana offering stipends to low-income women.

2. GD Goenka University Initiatives

GD Goenka University, located in Gurugram, India, integrates SDG 5 principles into its core operations, curriculum, and community engagement. As a private university emphasizing holistic education, GDGU aligns its efforts with national priorities like Beti Bachao Beti Padhao and Mahila Shakti Kendra, fostering an ecosystem that empowers over 2400 female students and staff annually. Below, initiatives are mapped to key SDG 5 targets, showcasing targeted actions from 2023-2025.



GD GOENKA UNIVERSITY
FROM FOUNDATION TO FLIGHT

INDEX

S. N.	FACILITY AT GDGU
1.	Ambulance and Medical Facilities
2.	Counselling Centre
3.	CCTV Camera and Surveillance Room
4.	Girls Hostel/Boys Hostel
5.	Girls Gym/Boys Gym
6.	Security Check at Gate and 24X7 Female Guards
7.	ATM Facility
8.	Daily Store (Departmental Shop for Daily Need)
9.	Stationary Shop
10.	Cafeterias and Restaurants at GDGU
11.	Fire Safety and Extinguisher

GD Goenka Memorial Health & Wellness Center

- Doctors: 01
- Nursing Staffs: 03
- Patient Bed: 12
- Ambulance: 01
- Physiotherapy OPD: 01
- Eye testing unit: 01
- Medical Store: 01
- Student Counsellor: 02

Facilities for minor surgical procedures
 Equipment for nebulization and oxygen support
 Tie-up with laboratory for Routine Investigations
 Tie-up with hospital for patient hospitalization
 Physiotherapy service for inhouse & outpatient
 Computerized eye testing unit.

24/7 Emergency Services

Sohna Rural Haryana India
 GD Goenka Education City, GD GOENKA UNIVERSITY, Sohna Rural, Haryana 122102,
 Lat: 28.27 | Long: 77.06
 22/02/2024 3:28 PM, GMT+05:30
 Thu, 22 Feb



Multiple Eateries & Food Outlets



Dominos



Nescafe



MomoMia Restaurant



Dewasia



Girls Hostel/Boys Hostel (Common Rooms)

Diversity in Courses (2019-24)



2412 Total Courses

283 Professional Ethics, Gender, Human Values, Environment & Sustainability

100% Courses on SDGs

696 Courses on Skill Development

964 Courses on Employability

160 Courses on Entrepreneurship



a) Target 5.1 - End All Forms of Discrimination Against Women and Girls

GDGU enforces a comprehensive **Non-Discrimination Policy (updated 2024)**, prohibiting bias based on gender, reviewed annually to comply with India’s POSH Act (<https://www.gdgoenkauniversity.com/news-events/school-of-management/POSH%20Training%20Workshop%20%28Prevention%20of%20Sexual%20Harassment%29>).

The university’s Gender Sensitization Cell conducts mandatory workshops for over 5,000 students and faculty, achieving 100% participation in 2024, while integrating anti-discrimination modules into all undergraduate programs. This has resulted in a massive reduction in reported incidents.

GD Goenka University, Sohna, Gurugram organized a POSH Awareness Training Workshop on 29 November to promote a safe, inclusive, and respectful environment on campus. The session focused on the Prevention of Sexual Harassment (POSH) Act, 2013, aiming to educate faculty and staff members about their rights, responsibilities, and the institutional mechanisms available to address issues of sexual harassment in higher education settings.

The workshop sought to raise awareness about the key provisions and applicability of the POSH Act in academic institutions, emphasize the crucial role of the Internal Complaints Committee (ICC) in handling grievances, and encourage the development of a gender-sensitive and equitable workplace culture.

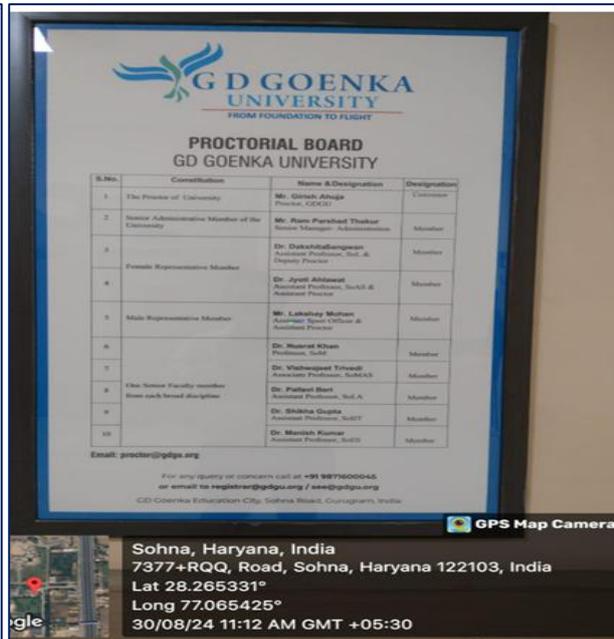
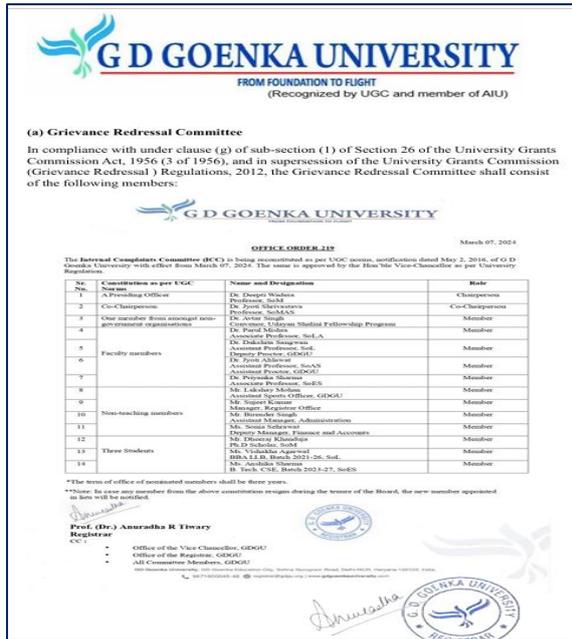
The event was inaugurated by Prof. (Dr.) Deepti Wadera, Chairperson, ICC, who highlighted the importance of gender equality and workplace safety. She remarked, “A safe campus is a productive campus. Through this workshop, we aim to empower individuals to stand against harassment and foster an environment of mutual respect.”

The initiative reinforced GD Goenka University’s commitment to upholding dignity, equality, and safety for all members of its academic community.



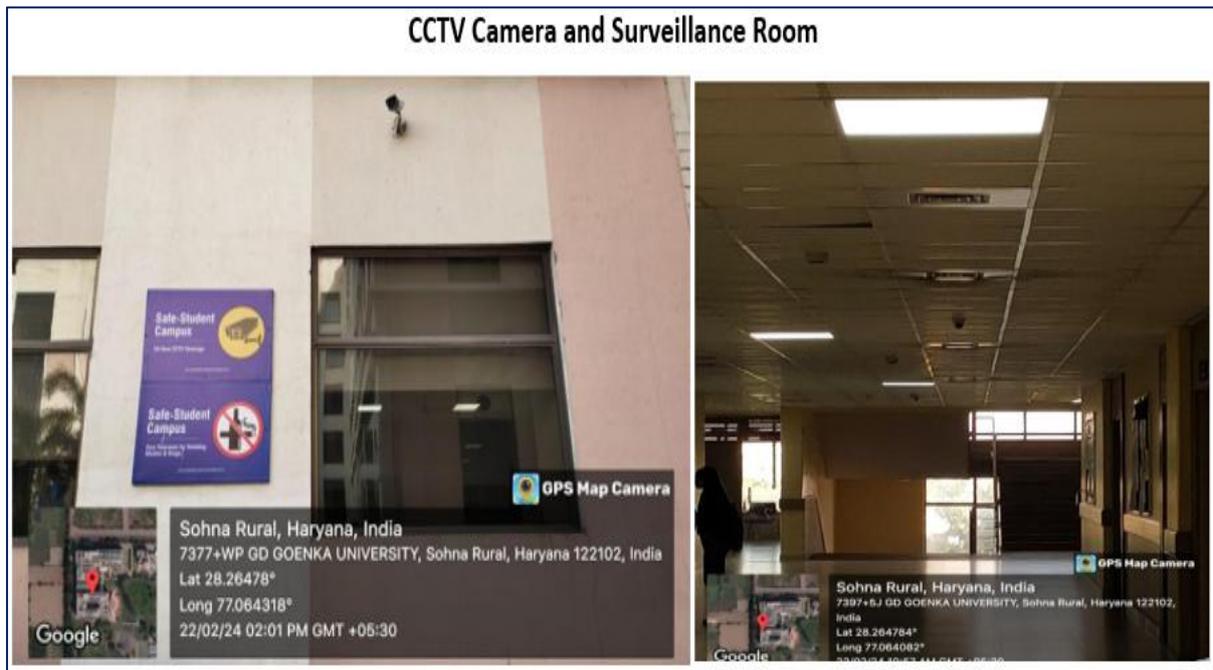
POSH Training Workshop (Prevention of Sexual Harassment)





b) Target 5.2 - Eliminate All Forms of Violence Against Women and Girls

Through its Single Window Grievance Redressal System, (launched 2023), GDGU provides confidential counselling, legal aid, and psychological support, handling 250+ cases yearly. Awareness campaigns, annual events with street plays and seminars, engage 2,000 participants. A 24/7 helpline and CCTV-monitored safe spaces on campus further prevent exploitation, with 95% user satisfaction in post-intervention surveys.



G D GOENKA UNIVERSITY
FROM FOUNDATION TO FIGHT
(Recognized by UGC and member of AIU)

IV Gender Sensitization

GD Goenka University is committed towards gender sensitization within its campus community. Promoting a culture of empathy, and mutual respect among individuals of diverse gender identities, the university implements processes to integrate gender sensitization into various aspects of university life. Awareness programs, workshop, and interactive sessions, students and staff are provided with opportunities to promote inclusivity. By instilling values of equality and respect for all genders, GD Goenka University aims to create an environment where all feels valued and empowered.

University has also adopted **ZERO TOLERANCE FOR SEXUAL HARASSMENT** to creating a safe campus environment. Posters and banners have been prominently displayed on the walls of the university to ensure that students are continually reminded and made aware of this crucial policy. These banners serve as visible symbols of our unwavering stance against any form of sexual harassment, reinforcing the message that such behaviour will not be tolerate under any circumstances. By proactively implementing these measures, a culture of respect, dignity, and accountability is promoted, where every member of the university community feels empowered to speak against any discrimination or injustice.

(a) Awareness Through Posters and Boards

Posters on Zero Tolerance for Sexual Harassment on Notice Boards

Any incident or possession must be reported to Unassigned Authorities.

Ashwatha

G D GOENKA UNIVERSITY
FROM FOUNDATION TO FIGHT
(Recognized by UGC and member of AIU)

Awareness Session on Mental Health, Sanitation and Gender Sensitization
19th January 2024

On 19th January 2024, an interactive activity-based awareness session on Mental Health, Sanitation and Gender Sensitization was organised by a team of MBA students for their batchmates under the guidance of Mr. Ashu & Ramandeep Kaur of School of Management Goenka University.

The session unfolded as a comprehensive exploration into these areas. The session aimed to shed light on the interconnectedness of these vital aspects within a workplace context. Commencing with an insightful quote by Virgil, "The greatest wealth is health," the session planned in the form of a workshop embarked on a journey to empower participants with knowledge and strategies for developing a holistic work environment.

The wellness activities during the workshop conducted by Sunny Chaudhary, Tanya Biswas and Jayant Pratap allowed participants to share personal sources of joy and contentment reinforcing the diverse elements that contribute to individual well-being. The activities were followed by engaging discussions on workplace stressors, stress management, and the importance of work-life balance. Post these discussions, the "Circle of Control" activity conducted by Pushkar Raj, Muskan Singla and Dishu Bhadoriya added a unique dimension, encouraging participants to focus on what they can influence and how they can lead a better and fulfilling life. On the other hand, the segments on workplace sanitation and hygiene practices and gender sensitisation shared by Bishakha Ray, Tohid Khan and Somya Singh provided valuable insights into creating inclusive and healthy workspaces.

The workshop concluded by emphasizing the interconnectedness of mental health, sanitation, and gender sensitisation in shaping a positive workplace culture and healthy mind and body.

LIBERAL ARTS

SCHOOL OF LIBERAL ARTS
VARTAN 2.0

Workshop: Psychological First Aid

Workshop: Role of Counsellor in School and College

Ashwatha

G D GOENKA UNIVERSITY
FROM FOUNDATION TO FIGHT
(Recognized by UGC and member of AIU)

It is mandatory for all students to fill Anti Ragging Form as the part of admission process.

Your record submitted successfully
Roll ID: 492289
Name: Poojinder Raj
Email: 1412poojinder@goenka.com

Useful Links
* University Grievance Commission (UGC)
* Grievance Agency, Online for report (GAG)

Anti Ragging Form: Receipt as part of www.admission.goenka.edu

Ashwatha

Promotion of Gender Equity

Women's Day Celebration

Awareness Rally

Female Guards

Nukkad Natak

Yoga Sessions

Legal Awareness Sessions

Self Defense Trainings

Vending Machine

G D GOENKA UNIVERSITY
UGC APPROVED

c) Target 5.3 - Eliminate Harmful Practices

GDGU's Community Outreach Program partners with rural bodies in Haryana, conducting 50+ sessions yearly on women's rights and various laws, impacting 3,000 adolescent girls. Various initiatives for first-year students address cultural norms, with 80% participation rates, supported by collaborations with various organizations to monitor and report harmful practices in surrounding communities.





d) Target 5.4 - Value Unpaid Care and Domestic Work

GDGU offers free on-campus childcare facilities for 200+ student mothers and staff, alongside a Maternity and Paternity Leave Policy providing 180 days of paid leave and flexible work hours. The facility promotes household equity through faculty-led webinars, reaching 500 families, and integrates care work valuation into social sciences curricula, echoing Pradhan Mantri Matru Vandana Yojana.

LIBERAL ARTS

GD GOENKA UNIVERSITY

SCHOOL OF LIBERAL ARTS

Vartah: Counsellors Summit

During The Counsellors Summit 2023, held from 21-22 July 2023, a significant collaboration unfolded between the Department of Psychology and Fortis, a leading mental health institution. The summit provided a dynamic platform for national and international mental health professionals to exchange invaluable insights. The inaugural session, themed "Life Skills and Mental Health: Reinforcing Education," featured distinguished speakers Dr. Samir Parikh, Chairperson of Fortis National Mental Health Program, and Ms. Manjima Taneer, Consultant Clinical Psychologist. Their engaging presentations captured the audience's attention, sparking insightful discussions. The summit facilitated active participation from dedicated counsellors, who posed insightful questions, underscoring the importance of the topics discussed. This collaborative exchange solidified the event as pivotal in advancing collective understanding of mental health in educational contexts.

GD GOENKA UNIVERSITY

LIBERAL ARTS

Orientation Programme

The Orientation Program for new students on 16 August 2023, commenced vibrantly with cultural richness and academic insight. The day began with a soulful Saraswati Vandana, invoking blessings for knowledge and creativity. Dr. Anjali Mehta, Dean School of Liberal Arts, warmly addressed newcomers, sharing the university's ethos and encouraging academic curiosity. In an interactive session with the faculty students were engaged in exploration of Feeling Better with Art; connecting emotional well-being with artistic expression. The orientation provided a holistic introduction to the academic and cultural tapestry of the students' liberal arts journey.

Mental Health Day

The Department of Psychology commemorated Mental Health Day on 10 October 2023, with the objective of fostering awareness, reducing stigma, and offering insights into emotional well-being. The event commenced with an inauguration by the Vice-Chancellor, highlighting the university's commitment to mental health support, the need for stress management and coping mechanisms, underscoring the importance of mental health in academic and personal life. Dean of Research & Development, Dr. Anjali Mehta, emphasised open conversations and available resources for students. Faculty led engaging activities promoting self-awareness and resilience, including psychometric testing and Progressive Muscle Relaxation sessions, enriching attendees' understanding and practice of mental well-being techniques.



e) Target 5.5 - Ensure Women’s Participation and Leadership Opportunities

With 36% female senior academics (targeting 45% by 2026 via targeted hires), GDGU’s Women leadership mentors 100+ aspiring leaders annually, including scholarships for 100% female STEM students. The university’s Board of Management reserves 30% seats for women, and various programs facilitate internships at academia and industry, boosting female graduation rates in underrepresented fields from 35% to 42% in 2024.



International Women's Day

The Department of Education celebrated International Women's Day on 13 March 2023 by organising a speech competition on Digit ALL: Innovation and Technology For Gender Equality. The competition was well received and saw participation from students of all streams.

The English and Social Sciences faculty, Ms Nazma and Dr Sunita Sehrawat judged the competition. Dr Parvesh Lata, Department Head, presented a poem on women, and Dr Sunita Sehrawat delivered a vote of thanks and gave students some valuable tips for an impactful speech.



Women Achievers Award

The Center participated in and supported the 3rd Women Achiever Awards organized by PNGI on 15 April 2023 at Hotel Sakura, Gurgaon. Awards were given for Corporate Category (Light, Medium & Heavy) and Individual Category (Young leader & Senior Leader). Shri Ramnarain, President - Bhiwadi Chamber of Commerce; Mr.Vinod K Bapna - CEO, Maruti Caparo; Mr. Ratan Agrawal - Chairman-PNGI Forum, CHRO, Hero Moto Corp Ltd; Mr. Pradeep Hatgaonkar – Country Head, Hitachi Astemo, were among the eminent industry leaders who attended the program and addressed more than 100 industry members. Eminent jury members for the program included Mr. Pradeep Bhadauria - Head HR, Federal Mogul Goetze India Ltd., Mr. Manoj Batra - VP(HR & Admin) Imperial Auto Industries Ltd., Mr. Randhir Singh - G.M-HR, Sanden Vikas India Pvt Ltd., Ms. Pompy Gohain - Head HR, Tata Sia Airlines Ltd.



LAW

GD GOENKA UNIVERSITY

SCHOOL OF LAW

Debate Competition

The School's Debate and Literary Committee organised an Intra Debate Competition 2023 on the theme of "ChatGPT" on 15 February 2023. The event was presided over by the Dean, School of Law. There were 70 registered participants. Prof. Dr. Azimkhan Pathan gave the introductory address and enlightened the students about how far AI has reached in our day-to-day life. The event had three rounds: Preliminary Round, Semi Finals and Finals ended with Group Discussion. The event was concluded with declaration of results and the vote of thanks given by the Convener, Ms. Shweta Rathore.



Legal Awareness Camp

In an effort to promote legal awareness and empower the residents of rural areas, a Legal Awareness Camp was organised at villages Abhaypur, Damdama and Bhandoli on 22 February 2023. The event aimed to educate the villagers about their rights, responsibilities, and the legal mechanisms available to address their grievances related to corruption. The camp was a collaborative initiative of the local authorities, and legal experts, and it received an overwhelming response from the villagers.



Moot Court Competition

The School organised an Intra Moot Court Competition from 16-17 March 2023. It was a resounding success, showcasing the legal acumen, advocacy skills, and critical thinking abilities of participating law students. The event aimed to provide a competitive yet supportive platform for students to hone their practical knowledge of law and advocacy. Participants exhibited a high level of preparation and engagement with the moot problem, reflecting their dedication to honing their advocacy skills. The competition provided an enriching experience for students, fostering camaraderie and a healthy spirit of competition among participants. The feedback provided by the esteemed panel of judges proved invaluable in enhancing the participants' understanding of courtroom etiquette and persuasive argumentation.



GD Goenka University | Unibuzz - Magazine

GD GOENKA UNIVERSITY

LAW

National Symposium on Gender Equality

The National Symposium on 'Gender Equality: Issues and Challenges' was held on 21 April 2023. The event commenced with a lamp lighting ceremony, followed by insightful addresses from esteemed speakers, Prof. Dr. Anjali Mishra, Dean School of Humanities, Social Science & Education and Mr. Raju Raj Jarmwal, Senior Advocate, shedding light on gender equality in various spheres. Panel discussions on 'Gendered Contours in Education and Employment' and 'Gender Dynamics in Policy Measures and Social Initiatives' further highlighted issues faced by underprivileged genders. With experts from the legal field and academia participating, the symposium successfully educated budding lawyers on the complexities of gender equality.



Soft Skills Workshop

A Soft Skills Workshop was conducted for law students on 5 April 2023. The event was attended by 75 students and it was a resounding success. The workshop was conducted by Mr. Akhilesh Chandra, the Associate Director of Corporate Resource Centre. The focus was on key soft skills that are essential for a successful law career. These included communication skills, problem-solving, leadership, and teamwork. The workshop incorporated theoretical and practical exercises that helped the students to learn and apply these skills. The workshop was well received by the students, who found it to be both informative and interactive.

Legal Awareness Camp on Child Labour

On 19 April 2023, a legal awareness camp was held at village Charnaj on the theme Child Labour. The students of law performed street plays on Child Labour, did door to door campaigns and even gave consultations to the villagers. It was a great learning experience for students as they learned about the grassroots problems in the villages of India.



National Trial Advocacy Competition

The first Virtual National Trial Advocacy Competition was held from 12-13 May 2023. The Inaugural Ceremony was graced by Chief Guest Justice U.C. Dhawan, Dr. G.B. Raghavender, Hon'ble Vice-Chancellor B. S. Satyanarayana, and Head of Department, Prof. Dr. Azimkhan B. Pathan whereas the Valedictory Ceremony witnessed the presence of Mr. Bharat Chugh, Advocate Raju Raj Jarmwal and Ms. Minnesh Chatterjee, ACR Supreme Court of India. Out of 38 teams, Symbolis Law School, Hyderabad won the winners' cup whereas Bharat Institute of Law, Chennai secured the Runner-up position. Mr. Mayank Mishra from Vivekananda Institute of Law bagged the prize of Best Speaker.

GD Goenka University | Unibuzz - Magazine

AWARD

GD GOENKA UNIVERSITY

24 July 2022 was a day of unique celebration at GD Goenka University as it hosted the second Annual Women Achievers Awards 2022, presented by the Professional Network Group of India (PNGI). The event saw dignitaries and professionals from different walks of life. The session saw women leaders put forward their views and opinions on the challenges faced by women, their potential and ways in which this still largely unexplored workforce can be tapped. The event also saw the recognition of enterprises and individuals who have excelled in their respective fields. Awards were given in two categories which included Organizational Excellence Awards and the Individual Achievers Awards.

WOMEN ACHIEVERS' AWARDS



GD Goenka University | Unibuzz - Magazine

GD GOENKA UNIVERSITY

CELEBRATION



TEACHERS' DAY CELEBRATIONS

Teachers are our everyday superheroes. They inspire us, motivate us and mould us in ways that might not be obvious at first, but are definitely a part of who and what we turn out to be. We at GD Goenka University celebrated our very own superheroes this Teachers Day, 5 September 2022. The commencement of the academic year 2022-2023 happily coincided with Teachers Day. The University initiated the Best Teachers Awards this year to acknowledge and celebrate the faculty who inspire and ignite these young minds. The Vice-Chancellor, along with the dignitaries present, felicitated the best teacher from each school who received the awards cheered on by their colleagues. The celebrations ended with a photo session of all awardees with the dignitaries and cake cutting ceremony.



Dr. Pradipta Ranjan Pradhan, School of Agricultural Sciences, Dr. Yogesh Kumar, School of Engineering & Sciences, Dr. Prema Sharma, School of Engineering & Sciences, Dr. Nalini Agaria, School of Hospitality & Tourism, Dr. Sabiha Kiani, School of Humanities Social Sciences & Education, Dr. Ankita Kanchhal, School of Humanities Social Sciences & Education, Dr. Preeti Ramani Nopper, School of Law, Dr. Dakshina Sengupta, School of Law, Prof. Dr. Kishore Kumar Arora, School of Management, Mr. Girish Ahuja, School of Management, Mr. Anil Kumar Chhabra, School of Media & Entertainment, Dr. Dheeraj Kanti, School of Medical & Allied Sciences, Mr. Abhishek Sharma, School of Medical & Allied Sciences, Ms. Laxmi Sanyal, UID United World Institute of Design, Ms. Tulika Pathwa, UID School of Architecture

GD Goenka University | Unibuzz - Magazine





f) Target 5.6 - Universal Access to Sexual and Reproductive Health Rights

GDGU’s Health and Wellness Centre delivers free reproductive health clinics quarterly, serving 1,500 users with services like contraception counselling and STI screenings, in partnership with the Ministry of Health. Comprehensive sex education is embedded in the curriculum, with 90% student coverage, and the several forum invite experts to ensuring inclusive access for all genders.



Opening of GD Goenka Health & Wellness Centre



Workshop on women’s security and self-defence

g) Gender Equality: Promoting Inclusivity, Diversity, and Equal Opportunities at GD Goenka University

GD Goenka University is deeply committed to ensuring gender equality and promoting an inclusive, respectful, and empowering environment for all. The University upholds the principle that men and women must be treated equally and places a strong emphasis on best practices in education that align with UNESCO's priority area of gender equality. It ensures equitable access and opportunities across all levels of academic and administrative engagement, consciously promoting equal participation in enrolment, recruitment, governance, and decision-making processes.

The University ensures balanced representation of both genders in all committees, councils, and student clubs. It also fosters diversity and inclusion through initiatives that attract students from different cultural and national backgrounds. The establishment of a dedicated International Department enables smooth admissions and continuous support for international students, along with language instruction and cultural immersion programs that prepare them for studying and living in India.



h) Promoting Gender Equality through Sports and Equal Participation

GD Goenka University definitely contributes to SDG 5: Gender Equality by promoting equal participation and opportunities for both men and women in sports and extracurricular activities. The Volleyball Club of BSA Sports organized an Inter-University Volleyball Tournament on 27 September 2023, featuring both girls' and boys' categories with participation from several universities across Delhi-NCR. By ensuring equal platforms, recognition, and rewards for both male and female athletes, the University demonstrates its commitment to inclusivity, empowerment, and gender balance. Such initiatives encourage women's participation in competitive sports, challenge stereotypes, and foster confidence and leadership—strongly aligning with the objectives of SDG 5: Gender Equality.



**UID Unitedworld
Institute of Design**

**Jiyaa Singh, Chakshu
Jain, Mansi, Samaira
Singhal, and Shweta
Bhakuni, B.Des (Hons)
Batch 2023-27**

The team was apart of the winning team which won the silver medal in the inter-college volleyball competition organized by the volleyball club, BSA Sports on 27 September 2023



ACHIEVEMENT	GD GOENKA UNIVERSITY	GD GOENKA UNIVERSITY	ACHIEVEMENT
<p>School of Medical & Allied Sciences</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;">  <p>Khushi Kansal, M.Optomtry (2021-2023)</p> <p>Published a blog titled "Early Detection of Congenital Ocular Disorder is Important" on Vision Science Academy forum on 1 July 2023.</p>  <p>Muskan Yadav, D. Pharmacy (2022-2024)</p> <p>Attained first position in the Yuva Samvad event themed "India Panch Pran- A Youth Dialogue- Bharat ke Panch Pran- Ek Yuva Paricharha" organized by GD Goenka University on 3 May 2023.</p> </div> <div style="width: 48%;">  <p>Yusuf Muhammad, BMRIT (2022-2023)</p> <p>Won first prize in the Inter School Quiz Competition organized by SOMAS, Nutrition Department on 28 April 2023.</p> <p>Won first prize in the Debate Competition organized by International Club of GD Goenka University during Annual Fest on 26 March 2023.</p> <p>Won 2nd prize in the Cultural Dance organized by International Club of GD Goenka University during Annual Fest on 26 March 2023.</p>  <p>Yashavati, BMRIT (2022-2023)</p> <p>Secured the first position in Ideathon research component on Survey and analytical study of healthcare in different stages of maternity and natal health organized by GD Goenka University on 18-19 May 2023.</p>  <p>Sanjana Shree Tallabathulla, BMRIT (2021-2023)</p> <p>Awarded with the Best Research Paper for the technical session in ideathon 1.2 on the theme "Sustainability, Resilience and Enterprise: Creating an Equitable Social Ecosystem" organized by the Centre of Innovation and Entrepreneurship from 18-19 May 2023.</p> </div> </div>		<p>School of Humanities, Social Sciences & Education</p> <p>Swati, Mansi, Varsha, Nidhi; B.Ed., 2020-2022 Pritham, Komal, Bharti, Shreya, Akansha; Integrated B.A. B.Ed., 2019-2023 Meena, Vineet, Rishi, Tripti, Hansha, Shrishti, Shiwani, Kirti, Shruti; Integrated B.Sc. B.Ed., 2019-2023 Qualified the CTET examination in their first attempt.</p> 	

Currently, more than 500 international students from countries such as Africa, Uzbekistan, Nigeria, Rwanda, Bhutan, Nepal, Ghana, and the Republic of the Congo are enrolled at GD Goenka University. To encourage intercultural dialogue and mutual respect, the University celebrates various national and international events such as Holi, Diwali, Christmas, Halloween, Republic Day, Independence Day, and International Yoga Day. These celebrations promote cultural understanding and harmony within the campus. The French language course offered by the Le Cordon Bleu School of Hospitality and entrepreneurial initiatives like Udyami Bazaar further enrich the multicultural learning environment.

Aligned with the National Education Policy (NEP) 2020, the University integrates Indian knowledge systems, ethics, and cultural values into its curriculum. Events such as Acceleron (Techno-cultural Fest), BSA Sports Meet, and IDEA (Innovation and Entrepreneurship Fest) reflect the institution's commitment to celebrating diversity, creativity, and collaboration among students from India and abroad.

Gender equality and equal opportunity are core values at GD Goenka University. The University maintains a gender-neutral and respectful atmosphere through inclusive policies, equal recruitment and enrolment practices, and a strict zero-tolerance approach toward sexual harassment. The Internal Complaints Committee (ICC) and Disciplinary Committee, comprising both male and female members, ensure fairness and safety in all campus activities.

Furthermore, moral and ethical education is embedded in the curriculum through courses such as Human Values and Ethics, Business Ethics, Cultural Values, and Leadership, which cultivate integrity, empathy, and respect among students. By integrating equality, diversity, and ethical responsibility into its academic and cultural fabric, GD Goenka University continues to advance the goals of SDG 5—promoting gender equality and empowering all individuals, irrespective of gender, culture, or background.



G20 SUMMIT

GD GOENKA UNIVERSITY

G20 SUMMIT

IMUN

GD Goenka University has always been at the forefront of the Government of India led programs for the continued progress and growth of the country. The university under the guidance of (Dr) Taruja Kaushik, Director Centre of Innovation & Entrepreneurship and Major Karttkeya Sharma, Chief Administrative Officer, organized the Model UN, on the theme G20 Summit Anti-Corruption Working Group where 15 universities from across Delhi-NCR represented 28 countries. The event was graced by the Deputy Commissioner Gurugram, Shri Nishant Yadav and the Joint Commissioner Mr. Abhishek Yadav. A spirited discussion saw winners being awarded in the categories of Best Delegate, High Commendation and Special Mention. The Best Delegate Award went to Ansh Mahra and Chandrasrava from Sushant University representing Indonesia. The High Commendation Award went to Shweta Rapra and Simran Yadav from Gurugram University representing the United Kingdom & Dhruva Kapur and Ransuk Jha from Amity University representing Italy. The special mention award went to Samraa Harhar and Pratipti Naga Afrinash from Amity University, Haryana representing the Netherlands & Mr Anelba and Tanisha Qasrav from GD Goenka University representing India. The event saw Adarsh Kumar Singh, GD Goenka University as the Chairperson, Bhavika Dabur, Delhi University & Arjun Arora, GD Goenka University as Co-Chairperson and Tami Aggarwal, OP Jindal University as Vice-Chairperson. This MUN was one among the series of events being organized across the various schools and centres of the university in support of the upcoming G20 Summit.



GD Goenka University | Unibuzz - Magazine



GD GOENKA UNIVERSITY

G20 Run

Students from GD Goenka University participated with great enthusiasm in the G20 Run organised at the Leisure Valley Ground, Gurugram on 26 February 2023. The G20 Run was flagged by Shri Dushyant Chautala, Haryana Deputy Chief Minister, Haryana from the Leisure Valley Ground and continued on the Vyaspar Kendra Road, Gurugram. The enthusiasm and support of the students was commendable.



Awareness Drive

As India prepares with great enthusiasm for the upcoming G20 Summit 2023, GD Goenka University, as equal partners in the progress of the country, has been at the forefront of the initiatives being taken by the Hon'ble Government of India, to bring the country forward as one of the emerging leaders of the world. The University has worked continually to implement and work on government initiatives. The various schools and centres of the university have shown their commitment and enthusiasm for the upcoming G20 meet through several events themed around the same. The Centre of Innovation & Entrepreneurship & NSS unit held a workshop on 22 February 2023. The workshop worked itself around the upcoming G20 summit and the themes of E-Governance and digitization of economy and governance. The resource persons for the day were Ms. Renu Singh, Deputy Manager and Ms. Soumi Baranjan, Head of Public Policy from MyGov India, Ministry of Electronics & Information Technology. The School of Law conducted Legal Literacy Awareness Camps at Villages Damdama, Abharpur, Pipaka and Ghondal on the theme of Good Governance, Sustainability & Corruption Free India. The School of Humanities, Social Sciences & Education held a one day extempore and poster presentation on the topic of "Transforming Governance for A Better Future". The school also conducted a themed natak, titled Corruption and Good Governance. The School of Engineering & Sciences explored the G20 summit themes by performing a skit on the theme, "Prevalent corruption in the country and e-governance. An efficient accountable and citizen centric tool". The School also held a debate and a poster making competition. The School of Medical & Allied Sciences too held a poster making competition themed on the G20 summit. The UID conducted an interactive workshop with local issues to focus on conservation and boosting the local economy while the School of Agricultural Sciences had a natak titled on environmental conservation.



GD Goenka University | Unibuzz - Magazine

GDGU NSS & BSA

GD GOENKA UNIVERSITY

GD GOENKA UNIVERSITY

GDGU NSS & BSA



INTERNATIONAL WOMEN'S DAY

International Women's Day, observed on the 8 March 2023, was celebrated with great gusto throughout the week in the University. In recognition of the day a march was organized by students from NSS & BSA on campus. The University also organized an event, which was themed around motherhood and parenting - a topic that resonated wisely among the audiences of the day.

The event saw dignitaries from the University, the Vice-Chancellor Prof. (Dr) B. S. Satyanarayana, Director Centre of Innovation & Entrepreneurship, Prof. (Dr) Taruja Kaushik, Deans of Schools, faculty and staff. The guest of honour for the day was Ms Divya Deswal, co-founder Mamly, doula trainer and mentor with APPAH, USA. The event also saw energetic performances by our international students who performed a feminist recital of Maya Angelou's poem as also read out an empowering poem on being a woman. The day saw cultural performance by students and teachers from the Department of Education on the sensitive social topic of saving the girl child. The highlight of the day was the presentation of a video compilation of messages by women faculty members, prepared by the NSS & BSA, students. It was indeed a memorable celebration of womanhood.



INTERNATIONAL YOGA DAY

International Yoga Day was celebrated with great enthusiasm at GD Goenka University on 21 June 2023. The NSS Unit organized a special yoga session for faculty, staff and students who gathered in the UID courtyard to ambient music and mood. The event was given a formal start in the presence of Vice-Chancellor, Prof. (Dr) B. S. Satyanarayana and Dean Student Welfare, Prof. (Dr) Taruja Kaushik. The resource people for the event were Dr. Pranav Prakash and Dr. Manita Dagar, who were ably assisted by student volunteers Anshika Agni and Chaitan Kumar. Yoga poses for the participants started with Sukhasana and a chanting of Om. Participants had a relaxing experience as they were guided through a series of simple stretching yoga asanas. The session came to an end with the twelve poses of Suryanamaskar. The day was a befitting celebration of India's ancient knowledge.

Clash of Word

The International Club of BSA Techno-Cultural organized a debate competition titled "Clash of Words" on 05 April 2023. The event was themed on "Money gives Health" and participants spoke For and Against on the given topic. The event was judged by Dr. Sweati Singh, Assistant Professor, and Falissas Ncube, BSA Member. The winners for the event were Yasir Muhammad, BSMRT, II Year, School of Medical & Allied Sciences speaking For the motion and Amia Virens Pritee Junior, Diploma in Computer Science Engineering, III yr, School of Engineering Sciences, speaking Against the motion.



i) Faculty Empowerment and Gender Equality Initiatives

GD Goenka University promotes gender equality and inclusivity through professional development programs and leadership opportunities for women faculty members. The University organized an NEP Workshop in collaboration with the Guru Angad Dev Teaching Learning Centre (GAD-TLC) under the Ministry of Education, focusing on integrating NEP 2020 recommendations and Sustainable Development Goals (SDGs) into the academic framework. The event featured active participation of women leaders, educators, and administrators, reflecting the University’s commitment to equal representation and empowerment of women in higher education. Such initiatives ensure that women faculty are provided with equal opportunities for professional growth, capacity building, and leadership, reinforcing the University’s alignment with the principles of SDG 5 – Gender Equality.

USEE
GD GOENKA UNIVERSITY
GD GOENKA UNIVERSITY
USEE

**UNIVERSITY STAFF
ENGAGEMENT & EXPERIENCE
USEE**

NEP Workshop

GD Goenka University in collaboration with the Guru Angad Dev Teaching Learning Centre (GAD-TLC), a Centre of the Ministry of Education under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMNMTT) successfully organized a one-day workshop on, "Integration of National Education Policy (NEP) 2020 recommendation and Sustainable Development Goals (SDG) indicators into the academic curriculum" on 15 April 2023. The session had eminent speakers from GAD-TLC and the Ministry of Education, India and G D Goenka University. The external experts included Prof. Ved Prakash, Former chairman, UGC and mentor GAD-TLC; Prof. A.K. Bakshi, Chairman, GAD-TLC, MoE, GOI & Chairman, National Resource Centre of Chemistry, MoE, GOI and Prof. Vimal Rani, Project Head & Joint Director, GAD-TLC, MoE, GOI & Coordinator, National Resource Centre of Chemistry, MoE, GOI. The workshop greatly enriched the participants with an understanding of the potential and dynamic nature of NEP 2020.









USEE
GD GOENKA UNIVERSITY
GD GOENKA UNIVERSITY
USEE

Faculty Induction

A comprehensive faculty induction program was conducted for new hires at the university. The Vice-Chancellor delivered a welcome address, introducing the vision and mission of the institution. The program covered administrative structures, leave policies, and available facilities. Sessions on rules, service regulations, and HR policies, including perks, were conducted by the Registrar. Deans and Heads shared their school ideologies. An ERP live demo showcased dashboard features, application modules, attendance, and leave management. New recruits introduced themselves, highlighting core areas and competencies, followed by a Q&A session. The tailored program focused on institutional policies, department procedures, and job expectations, fostering engagement with colleagues, students, and administrators.




Birthday Celebrations

The university continued with its monthly ritual of monthly birthday celebration where faculties sharing a birthday month came together to celebrate in a joint celebration. The highlight of the event was the cake-cutting ceremony by faculty members and the presentation of a token of gratitude by the Vice-Chancellor. The event fostered a sense of community and pride among everyone present.




3. Research and Publications

GD Goenka University's research output on SDG 5: Gender Equality underscores a robust commitment to addressing gender disparities through scholarly inquiry, with 15 key publications spanning 2018-2025. Faculty and collaborators have produced diverse works, including book chapters and research papers. Overall, these publications—covering topics from domestic violence to financial inclusion—amplify GDGU's impact, fostering policy dialogues and community empowerment.

Publications

SDG 5 – Gender equality - Publications - 15					
S.No.	Type	Title	Authors	Journal / Book	Year
1	Book Chapter	<i>Empowering change through the transformative impact of women green entrepreneurs on our sustainable future</i>	Ahmed, N.	<i>Empowering Women Through Rural Sustainable Development and Entrepreneurship</i>	2024
2	Review	<i>Human immunodeficiency virus infection challenges: Current therapeutic limitations and strategies for improved management through long-acting injectable formulation</i>	Tanushree; Sharma, A.; Monika; Singh, R.P.; Jhawar, V.C.	<i>Reviews in Medical Virology</i>	2024



3	Conference Paper • Open Access	<i>Assessing the Issues of Honour and Violence Against Women: A Human Rights Discourse Framework for the Detection of Violence Against Women</i>	Nisha, S.; Kumar, U.; Ambasth, A.; Kampani, S.; Dixit, S.	Bio Web of Conferences	2024
4	Book Chapter	<i>Feminist Research Engagement and Civic Space in India</i>	Rajeshwari, B.	<i>Social Scientists in the Civic Space: Ethical Perspectives on Democratic Involvement</i>	2024
5	Article	<i>Leveraging employee engagement: a proposed model and strategies</i>	Sisodia, S.; Jan, S.	<i>International Journal of Business Performance Management</i>	2024
6	Article • Open Access	<i>Role of Artificial Intelligence in Micro Enterprises and Tribal Entrepreneurships for Sustainable Economic Development</i>	Sahoo, D.R.; Teena	<i>EAI Endorsed Transactions on Scalable Information Systems</i>	2024
7	Article	<i>Making frugal innovations inclusive: A gendered approach</i>	Girija, S.; Banerji, B.; Batra, N.; Paruchuru, M.; Yeediballi, T.	<i>Journal of Cleaner Production</i>	2024
8	Book Chapter	<i>Entrepreneurial intensity and strategic entrepreneurship: An empirical investigation of women entrepreneurs</i>	Sisodia, S.; Jan, S.	<i>Handbook of Research on Designing Sustainable Strategies to Develop Entrepreneurial Intention</i>	2023
9	Article • Open Access	<i>Forensic approach towards criminal use of mercury in domestic violence</i>	Sinha, S.; Rao, K.; Rawat, A.	<i>Sri Lanka Journal of Forensic Medicine Science and Law</i>	2023
10	Article • Open Access	<i>Out-of-school girls in India: A study of socioeconomic-spatial disparities</i>	Mitra, S.; Mishra, S.K.; Abhay, R.K.	<i>GeoJournal</i>	2023
11	Article	<i>Strategic entrepreneurship in light of entrepreneurial and strategic orientations: A case of women entrepreneurs of Jammu and Kashmir in India</i>	Jan, S.; Anwar, A.	<i>Journal of Public Affairs</i>	2022
12	Article	<i>Fingertips: How women entrepreneurs are reshaping the beauty and wellness business in India</i>	Chakraborti, J.; Dasgupta, M.; Jana, B.	<i>Emerald Emerging Markets Case Studies</i>	2022

13	Article	<i>Emerging gender role representation in Indian media: Thematic analysis of Four More Shots Please web series</i>	<i>Kanwar, V.; Meenakshi, N.</i>	<i>Journal of Content Community and Communication</i>	2021
14	Book Chapter	<i>Civil Society, Gender and Citizenship Rights: Complexities and Challenges Facing the Women's Movement in Today's India</i>	<i>Rajeshwari, B.</i>	<i>Civil Society and Citizenship in India and Bangladesh</i>	2021
15	Article	<i>Sexual harassment at the workplace in public and private sectors in India: A study at National Capital Region of Delhi</i>	<i>Sangwan, D.; Thakre, A.G.</i>	<i>International Journal of Criminal Justice Sciences</i>	2018

4. Impact and Way Forward

GD Goenka University underscores its strong commitment to inclusive and equitable development through focused initiatives that promote gender equality and empowerment. By integrating education, research, and community engagement, the University strives to empower women and girls with the knowledge, skills, and confidence needed to enhance their socio-economic and leadership roles in society.

Moving forward, GD Goenka University aims to:

- Expand women-focused training and micro-entrepreneurship programs to strengthen financial independence and skill development.
- Strengthen collaborations with NGOs and social enterprises to extend gender outreach and community impact.
- Enhance support systems and mentorship opportunities for female students and staff from disadvantaged or underrepresented backgrounds.
- Launch a Centre for Gender Innovation and Equity to coordinate, research, and scale impactful initiatives promoting gender balance and inclusion.



6 CLEAN WATER AND SANITATION



SDG 6: *Clean Water and Sanitation*

GD Goenka University - Sustainability Initiatives and Achievements

1. Introduction

Sustainable Development Goal 6 (SDG 6) is dedicated to ensuring the availability and sustainable management of water and sanitation for all. This goal addresses the critical importance of clean water and adequate sanitation in promoting health, well-being, and sustainable development. At its core, SDG 6 aims to achieve universal access to safe and affordable drinking water and to reduce the number of people lacking basic sanitation services or exposed to water-related diseases. It emphasizes improving water quality, reducing pollution, and enhancing water-use efficiency to ensure clean and reliable water sources for everyone.

Another critical aspect of SDG 6 is the emphasis on adequate sanitation and hygiene practices. The goal seeks to end open defecation, provide access to sanitation facilities, and promote hygiene education. By tackling these challenges, SDG 6 contributes significantly to reducing waterborne diseases, improving public health outcomes, and enhancing the dignity and quality of life for communities.



SDG 6 also recognises the interconnectedness of water-related issues with other sustainable development goals — including health (SDG 3), education (SDG 4), gender equality (SDG 5), and poverty reduction (SDG 1). Moreover, water sustainability is essential for preserving ecosystems and biodiversity, and for the sustainable management of land resources.



GD Goenka University, established in 2013 under the vision of Shri A.K. Goenka, is a prominent private institution located on a 60-acre sustainable campus in Sohna, Gurugram (Haryana). Guided by the GD Goenka Group’s legacy of excellence in education, the University is committed to integrating environmental stewardship into its infrastructure and operations. GDGU’s dedicated page on clean water and sanitation outlines a comprehensive approach that includes wastewater treatment, preventing water-system pollution, free drinking water provision, water-reuse policies, and water-conscious building and landscaping standards.

Through its emphasis on sustainable practices, infrastructure development, and awareness programmes, GDGU demonstrates an institutional commitment to the broader objectives of SDG 6 — ensuring responsible water management, protecting water-related ecosystems, and promoting sustainable living among its students, staff, and surrounding community.



Government of Haryana, Haryana Water Resources Authority has granted approval for the application submitted by GD Goenka University for permission to extract ground water for infrastructure use. The approval letter is enclosed as a supporting document under SDG 6 (Clean Water and Sanitation) to demonstrate compliance with state water regulations and responsible water resource management practices within the campus. [Water Resource Authority Letter \(Govt. of Haryana\)](#)

Government of Haryana Haryana Water Resources Authority Application for Permission to Extract Ground Water for Infrastructure Use Application Type - New		
Application No: HWRA/INF/N/2022/257 (Application Received Fee Paid)		
Date of Licence to develop: 24/12/2019		
1. General Information		
Attach Certificate/NOC regarding 'non-availability' or 'Partial Water supply' in the prescribed format from PHED/ HSVP/ HSIIDC/ MCs & other local Government water supply agencies in respect of all categories of assessments units		Download
(i) Name of Applicant	NARESH KUMAR	
(ii) Designation of Applicant	naresh kumar	
Authorization Letter in the name of NARESH KUMAR (applicant):		
ID Proof Type	Aadhaar	
ID Proof no	XXXXXXXX3029	
Id Proof Document	Download	
(iii) Mobile No. of Applicant	9818171315	
(iv) Email of Applicant	naresh.kumar@gdgoenka.ac.in	
(v) Name of the Infrastructure:	G. D. Goenka University	
Type of Infrastructure:	Universities	
Infrastructure Unit Address:	G.D. Goenka Education City, G.D.Goenka University, Sohna Gurgaon Road,Sohna	
Is Commercial	Yes	
Completion Certificate	Download	
Date of Completion Certificate	08/01/2003	
Occupation Certificate	Download	
Date of Occupation Certificate	01/04/2014	
Date Of Commencement	01/04/2014	
Approval letter / CLU of State Government Agency approving the infrastructure development to be attached	Download	
Latest up-to-date valid Environment Clearance Certificate by SEIIA, if applicable	Download	
Whether CTO/CTE by HSPCB is applicable	Yes	
If not applicable, give reason		
Latest CTO issued by HSPCB, if applicable	Download	
	CTO/CTE Number : 329993522GUSOC TO21481605	Issue Date : 31/03/2022
Validity period of uploaded CTO/CTE	From : 31/03/2022	To : 31/03/2027

(vi) Location details of the Infrastructure unit:			
State :	Haryana	District :	GURUGRAM
Tehsil:	Sohna	Block:	SOHNA
Village/MC:		Region:	over-exploited
Latitude:	28.264842	Longitude:	77.064572
Infrastructure Locality:	Urban Local Bodies		
Site Plan:	Download		
Location Map:	Download		
Document of Ownership/Lease:	Download		
(vii) Correspondence address:	As above		
(viii) Land use details of existing/proposed:			
Total Land area(sq m):	81872.20		
Rooftop area of buildings/sheds(sq m):	29157.14		
Road/paved area(sq m):	6200.00		
Green belt area(sq m):	4500.00		
Open Land(sq m):	42018.06		
Any other structure proposed:	00		
(ix) Source of availability of surface water for Industrial use, if any	no		
(x) Groundwater utilization for:	Existing Infrastructure		
(xi) Purpose of Abstraction	Other Use		
(xii) Applying For:	Operational Purpose		
Total number and type of:			
a. Dwelling units	0		
b. Commercial units	0		
c. Industrial units	1		
d. Others	0		
2. Detail of water requirement/ recycled water usage:			
Water Requirement for construction purpose :			
a) Quantity of water required for construction (m3/day)			
b) Period of construction for which permission is required (No. Of Days in a year)			
c) Sewage Water available within 10 kms			
Water Requirement for operational purpose :			
Calculation details of water requirement:	Download		
Water Balance Chart	Download		
(i) Total water requirement, excluding construction (m3/day):	205.84		
(a) Ground Water requirement, excluding construction (m3/day):	123.60		
(b) Recycled Water usage (m3/day):	82.24		

(c)	Proposed/existing water supply from any agency (m ³ /day):		0.00						
(ii)	Breakup of water requirement and usage:								
	Activity	Existing requirement (m ³ /day)	Proposed requirement (m ³ /day)	Total requirement (m ³ /day)	No. of operational days in a year	Annual requirement (m ³ /year)			
	Residential/ domestic	101.10	0.00	101.10	180	18198.00			
	Commercial activity	0.00	0.00	0.00	0	0.00			
	Greenbelt development	22.50	0.00	22.50	180	4050.00			
	Industrial activity	0.00	0.00	0.00	0	0.00			
	Other use	82.24	0.00	82.24	150	12336.00			
	Grand total	205.84	0.00	205.84		34584.00			
(iii)	Quality of Grounwater			Saline Water					
	Groundwater quality from NABL accredited lab			Download					
(iv)	Whether ETP/STP proposed:			Yes					
		m ³ /day	No. of operational days	m ³ /year					
	Quantity of treated water available	101.10	180.00	18198.0000					
	Reuse In Industrial Activity	0.00	0	0.00					
	Reuse In Commercial Activity	0.00	0	0.00					
	Reuse In Green belt development	22.50	180	4050.00					
	Reuse In Other use	78.60	180	14148.00					
	Total	101.10	360	18198.00					
(v)	Whether project would involve dewatering ground water for excavation for basement construction etc.			No					
3. Details of existing and/ or proposed groundwater abstraction structures									
(a) Groundwater Abstraction Structure-Existing									
SNo.	Type/ Year of construction	Depth (meter) / Diameter (mm)	Depth to water level (meters below ground level)	Discharge (m ³ per hour)	Operational hours/ (day)/ days/year	Mode of lift	Horse Power of pump	Whether fitted with water meter or not	Wheter permission/ registered with HRWA / if so Details of permission
1	bore well/ 2012	40.00/ 20.00	30.00	15.00	4.00/ 180	1	3.5	No	No/

2	bore well/ 2012	40.00/ 20.00	30.00	14.00	4.00/ 180	1	3.5	No	No/
3	bore well/ 2012	40.00/ 20.00	30.00	14.00	4.00/ 180	1	3.5	No	No/

	Source of fresh water requirement being met uptill now	Download
	Affidavit duly attested by the Applicant regarding non-existence of tubewell	Download
	Likely date of operation of proposed tubewell	22/08/2102
	Quantum of ground water recharge(m3/year)	30211.78
a)	Details of rainwater harvesting/artificial recharge measures for groundwater recharge in the area. If already implemented, details may be furnished. (Attach report on comprehensive &feasibile Rainwater harvesting/recharge proposal)	Download
b)	Have you applied for groundwater clearance permission earlier from Government Agency, if so give details thereof with status	Download
d)	Any Other document (if any)	
i.		Download
ii.		Download
iii.		Download
e)	In cases where dewatering is involved, IAR of existing / proposed groundwater withdrawal on the groundwater regime and socio-economic impacts report. Pro-forma for the report is given in Annexure IV of HWRA Guidelines dated 10.9.21. On top of the IAR, provide the Check List + Salient features of IAR, in the prescribed formats.	
f)	Certificate from a local government water supply agency regarding non availability of treated sewage water for construction within 10 km. radius of the site in critical and over-exploited areas.	

Self Declaration:-

1. I hereby declare that all the documents prescribed in the application form have been uploaded and no blank / another / irrelevant documents have been uploaded against specified documents. I am also aware that any false/ wrong submission /uploading of document will lead to rejection of my application without any notice.

2. I hereby certify that the contents of the above Application are true to the best of my knowledge and belief and that it conceals nothing and that no part of it is false. I understand that if any information furnished by me is found to be false, Haryana Ground Water Authority can take punitive action against me as per the extant rules. Further, I shall comply with all the terms and conditions of the permission/NOC to be granted by HWRA.

Date: 05/06/2024

Place: Gurugram

2	bore well/ 2012	40.00/ 20.00	30.00	14.00	4.00/ 180	1	3.5	No	No/
3	bore well/ 2012	40.00/ 20.00	30.00	14.00	4.00/ 180	1	3.5	No	No/

	Source of fresh water requirement being met uptill now	Download
	Affidavit duly attested by the Applicant regarding non-existence of tubewell	Download
	Likely date of operation of proposed tubewell	22/08/2102
	Quantum of ground water recharge(m ³ /year)	30211.78
a)	Details of rainwater harvesting/artificial recharge measures for groundwater recharge in the area, if already implemented, details may be furnished. (Attach report on comprehensive & feasible Rainwater harvesting/recharge proposal)	Download
b)	Have you applied for groundwater clearance permission earlier from Government Agency, if so give details thereof with status	Download
c)	Any Other document (if any)	
	L	Download
	EL	Download
	EL	Download
e)	In cases where dewatering is involved, IAR of existing / proposed groundwater withdrawal on the groundwater regime and socio-economic impacts report. Pro-forma for the report is given in Annexure IV of HWRA Guidelines dated 10.9.21. On top of the IAR, provide the Check List + Salient features of IAR, in the prescribed formats.	
f)	Certificate from a local government water supply agency regarding non availability of treated sewage water for construction within 10 km. radius of the site in critical and over-exploited areas.	

Self Declaration:-

1. I hereby declare that all the documents prescribed in the application form have been uploaded and no blank / another / irrelevant documents have been uploaded against specified documents. I am also aware that any false/ wrong submission /uploading of document will lead to rejection of my application without any notice.

2. I hereby certify that the contents of the above Application are true to the best of my knowledge and belief and that it conceals nothing and that no part of it is false. I understand that if any information furnished by me is found to be false, Haryana Ground Water Authority can take punitive action against me as per the extant rules. Further, I shall comply with all the terms and conditions of the permission/NOC to be granted by HWRA.

Date: 05/06/2024
Place: Gurugram

Signature of Applicant 

2. GD Goenka University Initiatives

GD Goenka University has implemented a range of sustainable water management and sanitation initiatives to promote environmental responsibility and efficient resource utilization across its campus. The university has established advanced rainwater harvesting systems, wastewater treatment plants, and water recycling mechanisms that support daily operations while minimizing dependence on external water sources. Treated water is reused for irrigation and landscaping, significantly reducing wastage and supporting the university's green-campus objectives.

Clean drinking water is made available throughout the campus, supported by regular water-quality testing and maintenance to ensure safety standards. The university also emphasizes sanitation and hygiene by maintaining well-equipped restrooms, hand-washing stations, and a robust waste-segregation system.

The School of Agricultural Sciences contributes to sustainable practices through field demonstrations and research on water-efficient irrigation techniques, soil moisture conservation, and climate-resilient agriculture. Students and faculty actively participate in awareness campaigns and community projects that promote water conservation, hygiene education, and responsible environmental behaviour.

Through these measures, GD Goenka University demonstrates its commitment to responsible water stewardship, sustainable campus operations, and the advancement of Sustainable Development Goal 6 – Clean Water and Sanitation.

Through these efforts, GD Goenka University contributes significantly to advancing sustainability-oriented research and fostering innovation that benefits both academia and society. Collaborative engagements with government



agencies, industries, and non-profit organizations further ensure that research outcomes are applied effectively for climate resilience and environmental well-being.

By integrating education, research, and practical innovation, GDGU continues to strengthen its leadership as a higher education institution committed to environmental stewardship and sustainable growth.

a) Water Supply and Management

GD Goenka University draws its primary water supply from four bore wells located within the campus premises. The University caters to approximately 5,881 students and 594 staff members, with an average daily water consumption of around 450 KLD. Water metering is implemented at all major supply points to ensure efficient monitoring and management, and the data is recorded and analysed on a daily basis to track usage and promote conservation.

The campus has a robust and automated water distribution network that includes two underground storage tanks with capacities of 2,00,000 litres and 1,00,000 litres, along with a main overhead water tank of 4,00,000 litres capacity. Water is pumped through two pumps of 33 HP each, and the entire system is automated with sensors to minimize manual intervention and prevent overflow. Each building on campus has an additional rooftop water tank that automatically fills based on occupancy and demand. The underground tanks serve a dual purpose, meeting daily water requirements as well as providing storage for firefighting needs.

To ensure the provision of safe drinking water, the University follows a strict water quality monitoring system. Water quality testing, including detection of MPN, is carried out regularly on a rotational basis from various campus locations. RO (Reverse Osmosis) plants are installed in the main hostel and food court, and water filters are provided at several locations across the University to ensure that all students and staff have access to clean and safe drinking water. The RO systems use the Reverse Osmosis Membrane Mechanism to maintain high-quality drinking water standards and to reduce the use of bottled water.

The University also focuses on sustainable water use through the adoption of micro-irrigation techniques such as sprinklers, drip, and canal irrigation systems for gardens and agricultural farms. These systems improve water use efficiency and reduce wastage. Irrigation activities are carried out during early morning or late evening hours to minimize evaporation losses. All water tanks are monitored regularly and cleaned at least once a year to maintain hygiene and operational efficiency.

GD Goenka University's water management practices are fully automated and sensor-based, which helps control the filling of tanks, prevent overflow, and optimize pumping schedules. These measures significantly reduce manual monitoring requirements and contribute to efficient water resource management. The University's efforts are closely aligned with Sustainable Development Goal 6, which emphasizes clean water and sanitation for all. Through efficient resource management, regular quality testing, and responsible consumption practices, the University ensures equitable access to safe water, promotes sustainability, and contributes to the conservation of natural resources.



Water Filtration – RO System



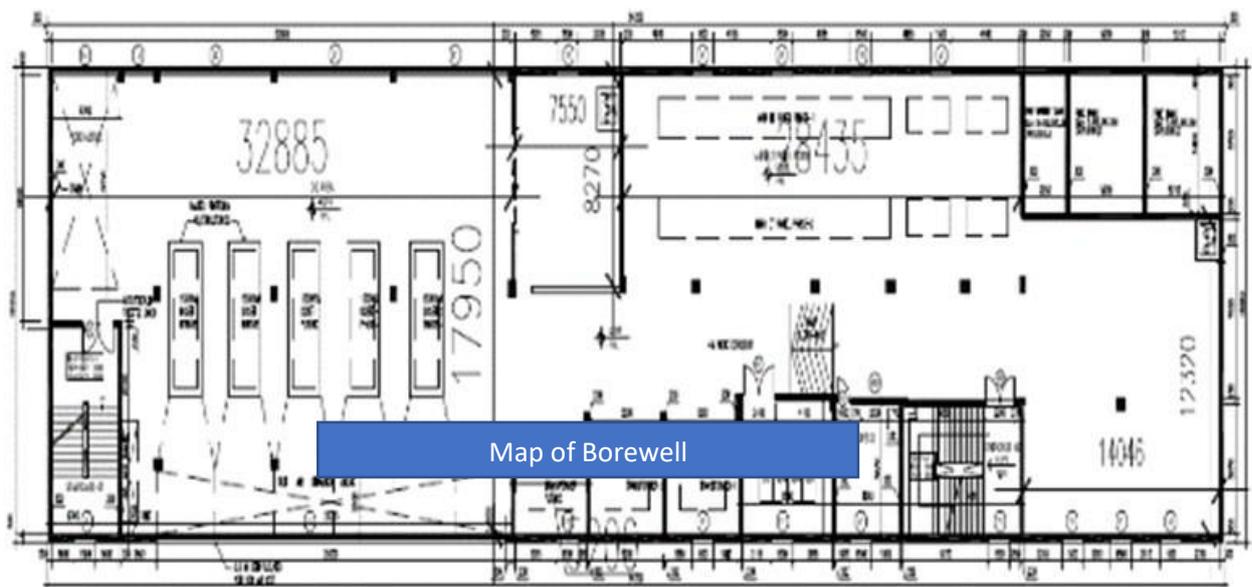
Installation of Reverse Osmosis (RO) Plant

As per the audit team’s assessment, the Total Dissolved Solids (TDS) level in the campus water supply ranges between 1040 ppm and 1600 ppm. These values exceed the permissible limits for safe drinking water, making it unsuitable for direct consumption. To ensure the availability of clean and potable water for all campus occupants, the installation of Reverse Osmosis (RO) plants has been implemented as a feasible and effective measure. This system helps in reducing TDS levels and improving overall water quality, thereby ensuring safe drinking water across the University premises.



Reverse osmosis (RO) is an effective water purification technology that removes dissolved salts, suspended particles, and microorganisms from water, making it suitable for both industrial and potable use. At GD Goenka University, RO systems are primarily used to treat bore well and municipal water to ensure safe drinking water quality. Although RO systems typically generate some wastewater—approximately equal to or slightly more than the volume of purified water produced—the reject water is efficiently reused for landscaping and other non-potable purposes within the campus. A 500 LPH RO plant, costing approximately INR 1,00,000 to 1,20,000, meets the daily drinking

water requirements while promoting sustainable water resource management by recycling the reject water for irrigation.



Water intake from Bore wells in School Premises

Location	Power (HP)	Discharge Rate (LPM)	Operational Hours (Hours)
Transformer	7.5	200	20
4-quarter	6	150	20
ATM front	5	120	21
Phase-I	7.5	200	14
At front	10	250	8
At RW Pit	3	80	4

Basement	7.5	200	4
STP	3	80	4
Near Entry Gate	5	120	14

Graphical Representation of Daily and Annual Water Usage in Baseline & Actual case

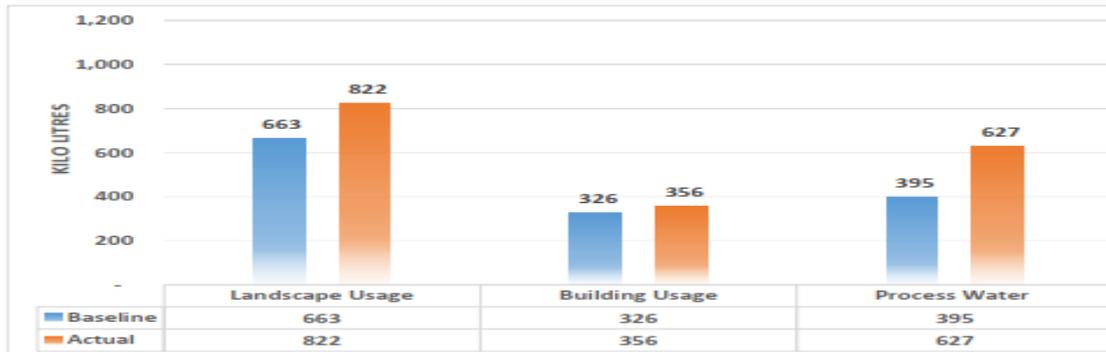
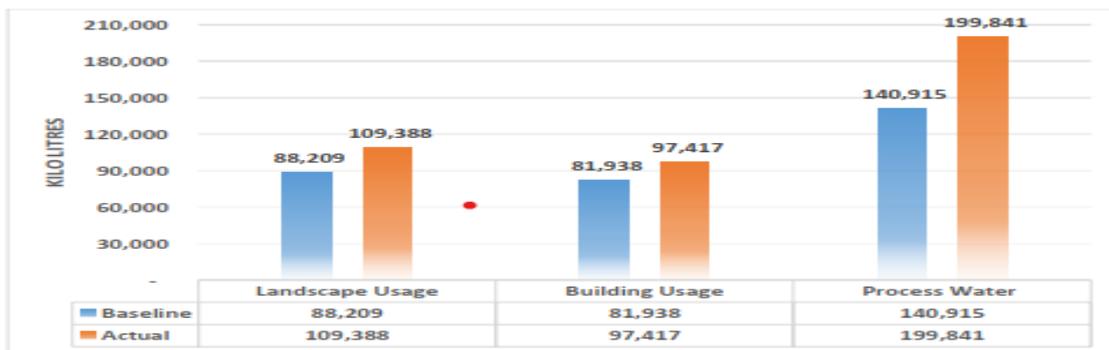


Figure 8 Graph b/w Daily water usage is Baseline & Actual



b) Water Reusability Revolution

At the heart of GD Goenka University’s water management strategy is a passion for reusability. The university is committed to reducing water consumption, using drip irrigation to this effect. The pride of GD Goenka University is its Sewage Treatment Plant (STP) with a whopping 125 KLD Treatment Plant combination of biological treatment and activated carbon-based treatment technology. In biological treatment, the Activated Sludge Process for the treatment of used water by Microorganisms in a bioreactor is used. It produces nutrient-enriched sludge. In tertiary treatment, the effluent from the bioreactor (which may contain dissolved organic matter) is further subjected to secondary treatment utilizing pressure filters through sand and activated carbon. The treated water was again treated with sodium hypochlorite for the removal of bacteria. employing a dual approach of biological treatment and activated carbon-based treatment. This unique setup



This unique setup



transforms wastewater into nutrient-enriched sludge and treated water used for horticulture, garden irrigation, and even construction.

c) Water Consumption and Daily Usage

The campus water usage is calculated on the basis of National Building Code - 2016 (NBC 2016) to define the baseline case and the actual water usage is calculated on the basis of performance data provided and observed during the site visit.

a) Building Usage

National building code, 2016 is followed to define the base case to compare with actual as per the national guidelines. The following table followed in the daily water usage in base case:

Occupants Daily Water Usage (as per NBC 2016)

Occupant	University			Hostel		
	Student + Teaching & Non-Teaching Staff			Number of Beds + Warden Residence + Staff		
Water Usage (Per Occupant)	Domestic Usage 50 Litres	Flushing Usage 50 litres	Total Usage 1 0 0 Litres	Domestic Usage 70 Litres	Flushing Usage 40 Litres	Total Usage 110 Litres

Flow Rates of Existing Water Fixture

Fixture Type	Flow Rate
Dual flushing WC	3/6 LPF
Sensor-based Urinals	3 LPF
Lavatory, faucet (Private)	9 LPM
Sink, Faucet	12 LPM
Health Faucet/Hand Spray	12 LPM
Shower Head	12 LPM

b) Process Equipment Water Usage

c) Laundry

The washing and drying of the clothes is performed by means of 3 clothes washer and 2 drying machines. The equipment works continuously from 8 AM to 5 PM on daily basis. The cycle time of the equipment is 30 minutes; hence, all the machines operate 18 times on daily basis.

Water Usage in Laundry

Usage	Capacity	Model	Water Demand per cycle (Litres)	Daily Consumption (Litres)
Staff	7.5 KG	IFB Senator Aqua SX	7.5	135
Students	30 KG	STEFAB AX 30	30	540
Students	60 KG	STEFAB AX 60	60	1,080
Total				1,755

Cooling Tower

The campus is equipped with 4 cooling towers which operates 23 hours on daily basis. Efficiency of the system remained 0.71% under standard conditions. However, during the preliminary meeting it was conveyed that the make-up water is higher (approx. 1.2 lakh liters) in actual. Hence, the losses in the actual case of cooling tower is considered as 1%.

Water Usage in Cooling Tower

Case	No. of Cooling Tower	Consumption (Litres)	Evaporation & Drift Losses	Make Up Water (LPM)	Operation (Hours)	Make- up Water (Litres)	Total Usage (Litres)
Standard	4 (600 each)	9,085	0.71%	65	23	89,015	392,399
Actual	4 (600 each)	9,085	1%	65	23	123,373	537,832

Note: LPM= Litres per minute

Kitchen

In the kitchen premises, the water used for food processing and dishwashing is done with the open pipe of ½ inch. The kitchen spaces is under operation for more than 6 hours from preparing to cleaning process on daily basis. Therefore, the actual total water consumption of the kitchen space comes out to be 86 kilo litres per day.

Vehicle Washing

Campus has 30 vehicles which are washed on daily basis by means of bucket system. The washing is done before and after the trip and daily trips are two i.e. one while picking everybody and other is dropping.

Water Usage in Vehicle Washing

No. of Vehicles	Method	Daily Consumption (Litres)
30	Bucket/Manual	900

d) Landscape Use

The baseline landscape consumption is calculated as 4.8 Litres/m²/day. Whereas, the actual landscape requirement is done as per the plantation species/trees/turf grass. Also, during the actual calculation the annual impending rainwater is also considered.

However, as the part of landscape demand is catered with the treated water from STP. Hence, the treated water is reduced from the total landscape demand for more feasible solution.

Landscape Area and Irrigation Method

Plantation	Irrigation Method	Area (sq.ft.)
Turf Grass	Manual	10,92,312
Shrubs	Manual	59,080
Mature Trees	Manual	1,18,160
Turf Grass	Sprinkler	2,07,447
Total Area		14,76,999

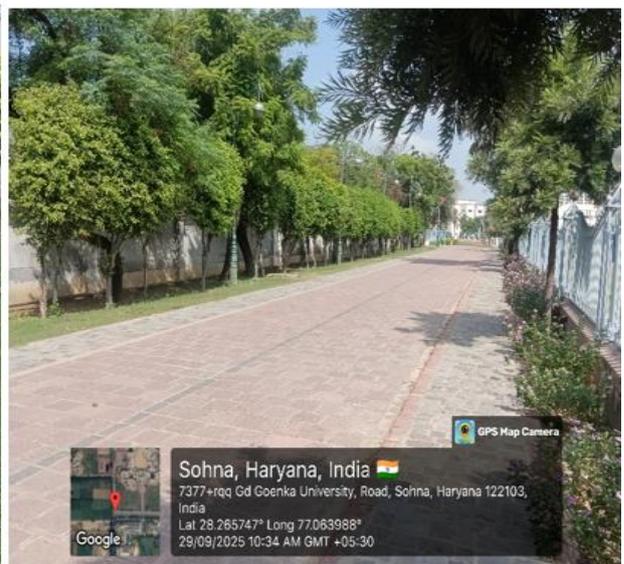
The water distribution system at GD Goenka University is efficient and well-maintained, with an adequate network and water-efficient fittings in all toilets to minimize wastage. Regular inspections ensure there are no leakages in the system.

Water is primarily used for cooling towers in the centralized air-conditioning system, domestic purposes such as drinking, cooking, bathing, washing, and flushing, and for gardening.



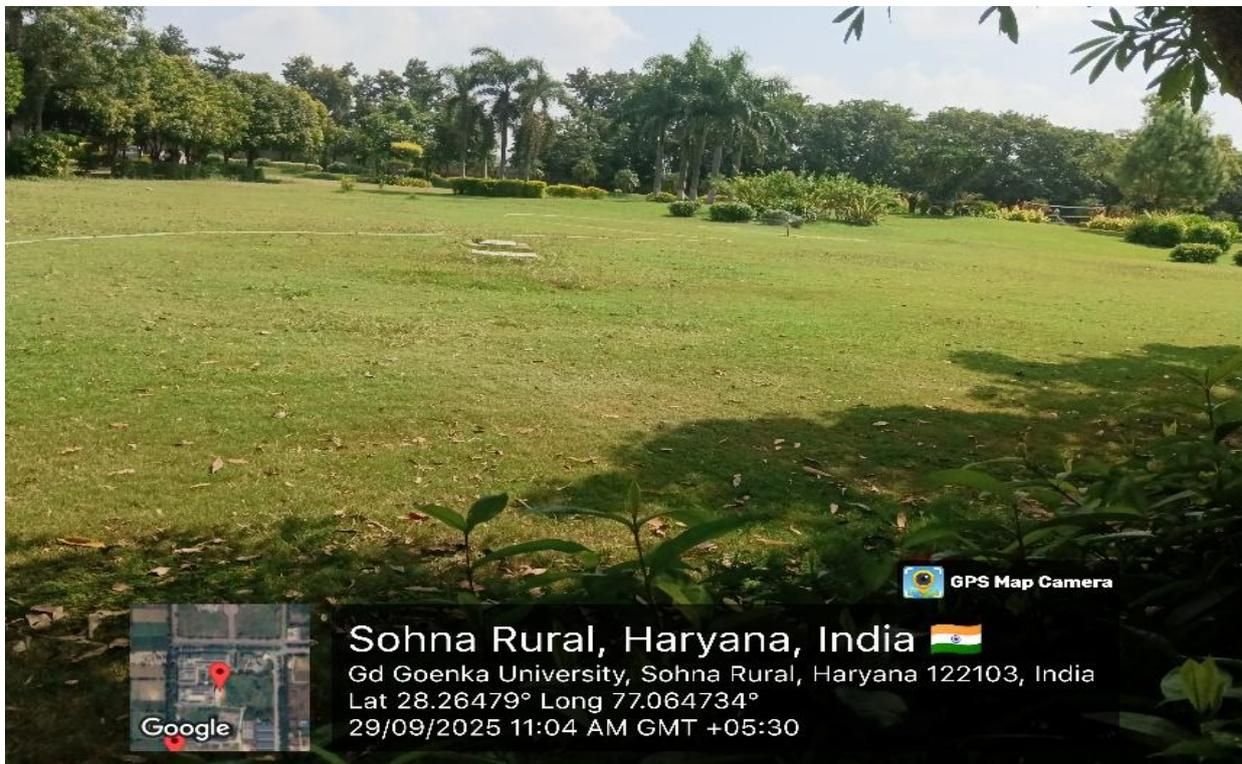


Lush Greenery with Drought-Tolerant Plants





GD Goenka University's commitment to water conservation extends to its lush landscape. The university is covered with lush green trees in and around the campus planted by students and faculties. The campus boasts drought tolerant plantations that not only beautify the surroundings but also play a vital role in intercepting rainfall, preventing water runoff, and boosting groundwater levels. We also educate the local communities about the plantation of drought-tolerant plants to preserve water consumption and increase the groundwater level.



Water Conservation – Measures Detail

S. No.	Description	Savings in Kilo Litres	Remarks
1	Water Metering	Direct daily monitoring	Directly affects daily usage by representing end-use consumption.
2	Use of Aerators in Hostel, School & University Premises	37,130 kilo litres per annum	Represents 38% of total building occupant water usage.
3	Thermostats at Boilers	—	Prevents evaporation losses due to heating of water at high temperatures.
4	Use of Low Flow Fixtures in Kitchen Space	—	46% savings in water usage.
5	Install Pre-rinse Spray Valves	—	66% savings; 60% reduction in water usage for dishwashing.
6	Use of Dishwasher	3,185 kilo litres per annum	60% reduction in dishwashing water consumption.
7	Use of Grease & Oil Interceptor in Kitchen	12,601 kilo litres per annum	Prevents blockage of kitchen drain pipes and increases STP lifespan.
10	Use of Regulator in Washing Machines	—	10% savings in laundry water usage.



11	Prevent Leakage in Cooling Tower	—	100% savings in leakages; additional savings in make-up water.
12	Use of Treated STP Water	25% of total make-up water	Reuse of treated wastewater for non-potable purposes.
13	Use of Irrigation System	63 kilo litres per annum	40% savings in landscaping water usage.
14	Installation of RO Plant	5 kilo litres per day	100% savings in purchased drinking water.
15	Prevention of Leakages in Building Taps	12 kilo litres per day	100% savings in leakages through maintenance and monitoring.
16	Other Combined Measures	125–327 kilo litres per day	Continuous monitoring and optimization of total campus water usage.

1. Protecting the Environment: Preventing Accidental Pollution

GD Goenka University is on a relentless quest to prevent polluted water from infiltrating natural resources. The university has an intricate sanitary system to channel wastewater from various sources to the STP. This state-of-the-art facility is equipped with integrated biological treatment and tertiary treatment technologies, efficiently eliminating bacteria, and ensuring water purity.

2. Water Cans

The campus meets its daily drinking water demand through the purchase of water cans. On average, **250 cans of 20 litres each** are required to meet the needs of all campus occupants.

$$\text{Drinking Water Supply} = \text{Number of drinking cans} \times \text{Capacity of each can (Litres) Daily}$$

$$\text{Drinking Water Supply} = 250 \times 20 = 5000 \text{ LPD or 5 KLPD}$$

This system ensures a reliable and safe supply of drinking water for students, faculty, and staff. In addition to providing convenience and accessibility, it allows the campus to monitor and manage water consumption effectively, enabling tracking of daily water usage patterns and identifying opportunities for conservation. By using a controlled distribution system, the campus minimizes wastage, promotes responsible water use, and contributes to overall water sustainability objectives.

3. Fish Pond

The School of Agricultural Sciences at GD Goenka University maintains a fish pond to utilize rainwater effectively and provides students with a hands-on learning opportunity in fish farming. This initiative integrates practical education with sustainable water management practices, allowing students to observe and engage in aquaculture activities firsthand.



4. Azolla Culture

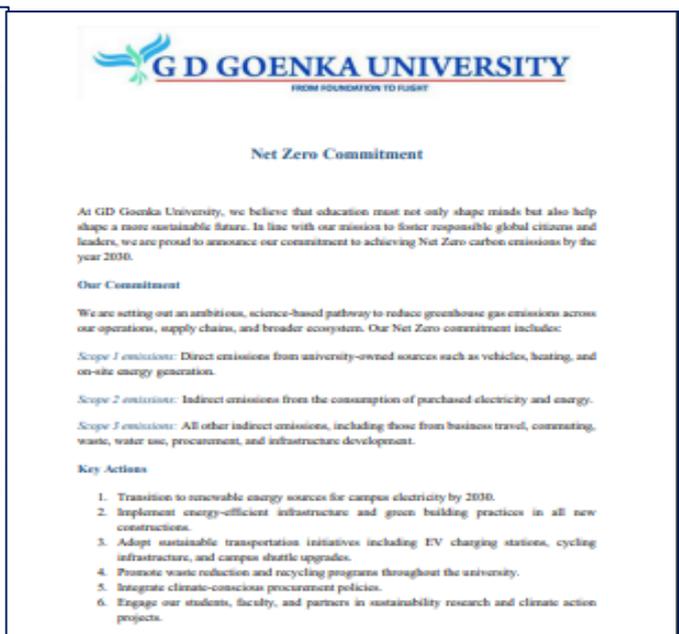
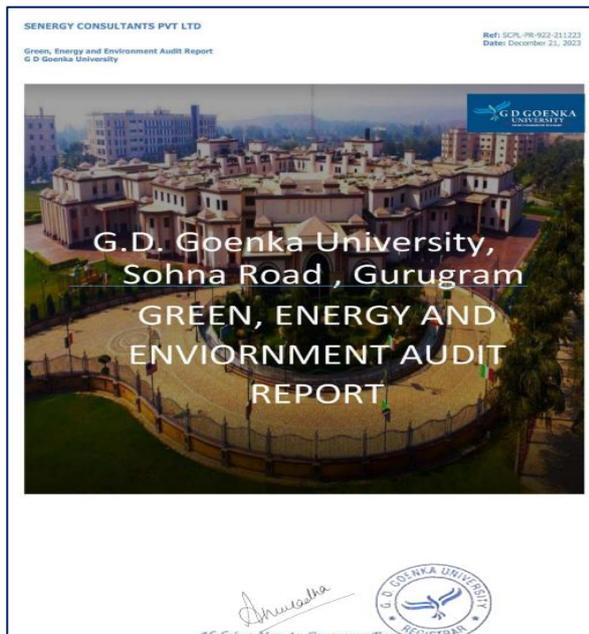
The School of Agricultural Sciences at GD Goenka University promotes the cultivation of Azolla, a floating aquatic fern known for its symbiotic relationship with the nitrogen-fixing cyanobacterium *Anabaena azollae*. Commonly referred to as water fern, Azolla serves as an eco-friendly biofertilizer, green manure, and sustainable animal feed. It plays a vital role in improving soil fertility and supporting water-based farming systems, particularly in paddy cultivation.

At GD Goenka University, Azolla is cultivated in campus ponds as part of sustainable agricultural practices aimed at enhancing soil health and water resource efficiency. This initiative not only demonstrates the University's commitment to sustainable farming and resource conservation but also serves as a practical learning platform for students. By integrating Azolla culture into agricultural education and research, GD Goenka University encourages the use of natural, cost-effective, and environmentally responsible methods to promote water-efficient agriculture and soil restoration.

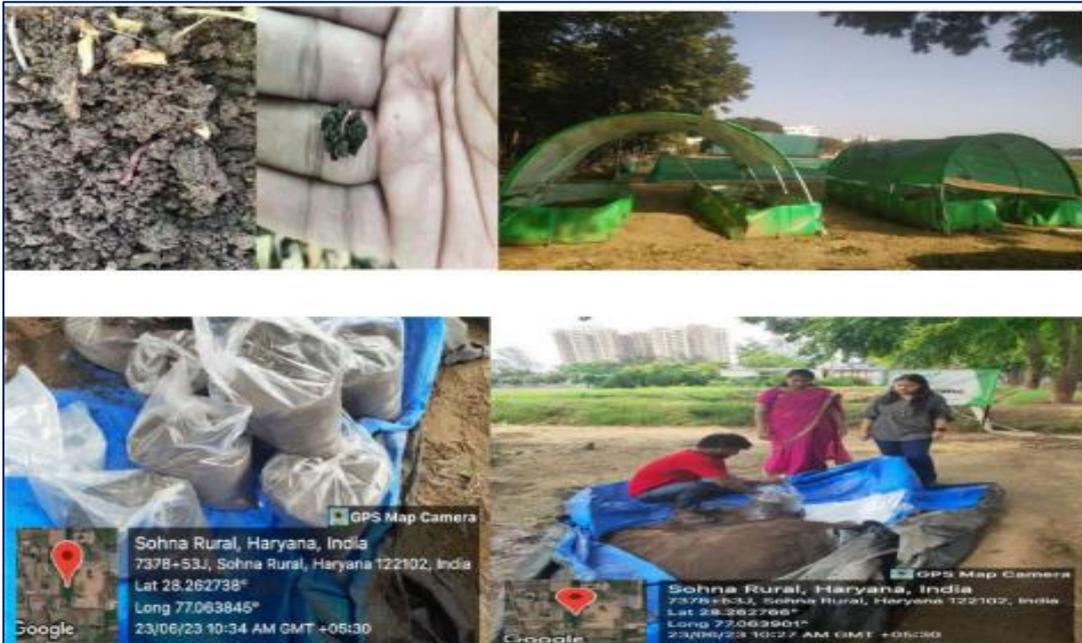


5. Notable sustainability-driven initiatives include

- Green Energy Audit & Net Zero Commitment** – A structured approach to assess and reduce the University’s carbon footprint, promoting renewable energy use through on-campus solar photovoltaic systems.



- + **Environmental Sustainability Practices at GD Goenka** – Campus-wide initiatives involving rainwater harvesting, wastewater recycling, solid waste segregation, and energy-efficient infrastructure.



- **Sustainable Development Practices to Mitigate Climate Change** – Student-led programs, innovation challenges programs, innovation challenges, and community outreach activities designed to promote practical climate action.



Through these efforts, GD Goenka University contributes significantly to advancing sustainability-oriented research and fostering innovation that benefits both academia and society. Collaborative engagements with government

agencies, industries, and non-profit organizations further ensure that research outcomes are applied effectively for climate resilience and environmental well-being.

By integrating **education, research, and practical innovation**, GDGU continues to strengthen its leadership as a higher education institution committed to environmental stewardship and sustainable growth.

6. Green Campus Initiative

GD Goenka University is developed as a **large green cover**, showcasing a wide variety of plants and trees that contribute to a clean, sustainable, and eco-friendly environment. The lush greenery not only enhances the aesthetic appeal but also plays a vital role in maintaining ecological balance, reducing carbon footprint, and promoting biodiversity.

The entire campus is maintained as a **plastic-free zone**, encouraging the use of eco-friendly and biodegradable alternatives to ensure environmental conservation.

SR. NO.	PLANT/TREE NAME	QTY.	REMARKS
1	SNEH PLANT	2500	Drought and Low water required plant
2	TIKOMA	1000	
3	HAMELIYA	2400	
4	GALFENIA	60	
5	ALMUNDA	40	
6	BUGGM BELL	120	
7	LAMUNIA	150	
8	INDOSIA	60	
9	SANOF INDIA	120	
10	AEROKERIA	40	
11	PHYCUS LUDA	15	Drought and Low water required plant
12	PLUMBOO	140	
13	GLLDEN RAISINA	130	
14	CHANDNI	80	
15	MOTIA MOGRA	30	
16	HAAR SINGAAR	6	
17	DRUNDA BAROLIO	250	
18	GOLDEN DRUNDA	5000	
19	ANARMI	6000	
20	AQLIFA	3000	
21	HIBISCUS	2500	Drought and Low water required plant

22	PHYCUS PANDA	4500	
23	CHIKOO	20	
24	ANAAR	15	Drought and Low water required plant
25	GUAVA	25	Drought and Low water required plant
26	LIME	10	Drought and Low water required plant
27	EPIJANA	6	
28	AMLA	10	Drought and Low water required plant
29	MEHENDI	8	Drought and Low water required plant
30	CURDSULA	10	Drought and Low water required plant
	TOTAL		

Sr. No.	PLANT/TREE NAME	QTY.	Remarks
1	PILKHAN	67	
2	ALOSTONIA	80	
3	KAJRINA	30	
4	ISPOTHODIYA	12	
5	SILVER ROCK	155	
6	PAPDI	75	
7	ASHOKA	235	Drought and Low water required plant
8	KACHNAR	20	
9	AICESHIYA AIRAKULI	6	
10	MOLSIRI	45	
11	CHUKRASIA	190	
12	KADAM	20	
13	AMALTAS	6	
14	KUSUM	45	
15	JACKRANDA	30	
16	SEESHAM	4	Drought and Low water required plant
17	IMLI	1	
18	JAMUN	6	Drought and Low water required plant Plant
19	NEEM	15	Drought and Low water required plant
20	PIPAL	7	Drought and Low water required plant
21	AAM (MANGO)	6	
22	KATHA	4	
23	PUNJANJIA	150	
24	KAJLIYA PINATA	45	

25	PINE	2	
26	BOTTLE BRUSH	15	Drought and Low water required plant
27	PHONIX PALM	80	
28	SAGU PALM	8	
29	SAICUS PALM	20	
30	PHYCUS SISNOL	90	
31	PHYCUS BENJUMINA	400	
32	PHYCUS BLACK	60	
33	BOTTLE PALM	55	Drought and Low water required plant
34	PISTOL PALM	250	
35	JAMIYA PALM	5	
36	POSTAL PALM	25	Drought and Low water required plant
37	TUKA PALM	10	Drought and Low water required plant
38	JUNIPERS	30	
39	CHAMMPA RUBRA	100	
40	KADI PATTI	10	Drought and Low water required plant
41	BECPATRA	6	
42	JATRUPA	60	Drought and Low water required plant
	TOTAL		

7. A Commitment to Water Reuse

Water reuse is a central theme at GD Goenka University. After rigorous treatment, water is repurposed for diverse uses, including irrigation, laboratory work, and toilet flushing. Different labs contribute to the university's comprehensive water recycling strategy, significantly reducing daily water requirements. We are continuously reusing the harvested or extracted water as the used water first enters our ETP for treatment. At present, we have an ETP of capacity 50 KLD. Hence, out of the 290 KLD of our used water, 50 KLD water is reused daily after treatment. The used water from the sinks in the laboratories, kitchens, showers, and washing machines, that is used once, is further recycled and then reused. The recycled water is reused for various beneficial purposes such as agricultural and landscape irrigation, laboratory purposes, toilet flushing, and groundwater replenishment. Besides this, we also have rainwater harvesting sites that are used for toilet flushing, construction purposes, irrigation purposes, and most importantly to increase the groundwater level in our region, which can also be counted as reused water. **GD Goenka** University keeps the measurements of the total volume of water consumed on the campus that is taken from various resources.

8. Community Engagement for a Better Tomorrow

GD Goenka University actively engages with local communities, imparting knowledge on effective water management, water reuse, and rainwater harvesting. The goal is to empower residents with the ability to recycle



water for irrigation, and domestic use, and cultivate drought-tolerant plants, promoting water conservation and healthier groundwater levels.



9. Awareness Drive: Swachta hi Sewa Dated: 18/09/2024

As a part of the Swachta Hi Sewa campaign, the NSS unit of GD Goenka University organized an awareness drive in the village Alipur, Sohna, in collaboration with Navjyoti NGO. The drive saw enthusiastic student NSS Volunteers lead an awareness rally through the rural Alipur region, interacting with the local population, identifying garbage hotspots and educating people on the methods of segregating dry waste and wet waste, as also the importance of maintain a clean and hygienic environment for good health and wellbeing. As a part of the Swachta Hi Sewa campaign the students also interacted with the students of PM Shree Government School, Alipur, educating them on the different methods of waste segregation and the ways and means of adopting hygiene in daily life. A fun hand painting activity was done with the children to symbolize the concept of each hand for cleanliness.







A Tree Plantation Drive was organized by School of Humanities, Social Sciences and Education and School of Agricultural Sciences in association with National Skill and Environment Protection Foundation (NSEPF) on 22 nd September 2023 at Agricultural farm of GD Goenka University. Students and faculty gathered near A block at 12:20 pm. Badges and posters, which were created using recycled materials, were distributed to start with the event, showcasing a dedication to reducing waste and conserving resources. The walkathon from A Block to the Agricultural Farm was a symbolic gesture of unity towards the cause of environmental preservation. At the Agricultural Farm, participants actively engaged in the tree planting process. The trees were strategically placed alongside the agricultural farm, constituting a well-planned initiative centered on agroforestry and sustainability practices. This approach not only enhances the visual appeal of the farm but also indicates the conscious integration of agriculture and forestry. This hands-on experience contributed to the greening of the campus and provided valuable knowledge on sustainable horticulture practices to students. By involving students from diverse academic backgrounds, the event facilitated interdisciplinary learning and promoted a holistic approach to environmental conservation.





Empowering Minds: GD Goenka University's Water Management Awareness Event

Water management educational opportunities

GNANI GANGE

Memorandum of Understanding (MoU)

Between

National Mission for Clean Ganga
 Ministry of Jal Shakti
 (Department of Water Resources, River Development & Ganga Rejuvenation), Government of India
 1st Floor, Major Dhyan Chand National Stadium
 India Gate, New Delhi - 110002

and

GD Goenka University
 Sohna Gurugram Road, Sohna
 Gurugram, Haryana-122103

This Memorandum of Understanding is drawn on the 12th day of April 2023, between:

BY AND BETWEEN

National Mission for Clean Ganga, Ministry of Jal Shakti (Department of Water Resources, River Development & Ganga Rejuvenation), Government of India through its **Authorized Signatory** (name and designation of the person) having its office at 1st Floor, Major Dhyan Chand National Stadium India Gate, New Delhi - 110002 (hereinafter referred as the "NMCG", which term or expression, unless excluded by or repugnant to the subject or context, shall mean and include its successor(s)-in-office, administrators and permitted assignees) of the **First Part**.

prevented. The notice shall be given within 3 (three) days after the party becomes aware, or should have become aware of the relevant circumstances constituting the *Force Majeure*. The party shall, having given such notice, be excused from performance of such obligation(s) for so long as such Force Majeure prevents it from performing it/them.

11. Governing Law and Dispute Resolution

"That in the event of any dispute that may crop up during execution of MoU, shall as far as possible be settled amicably with mutual consultation of Parties. However, if amicable settlement cannot be reached within 30 days from the date of the occurrence of the dispute, the matter under dispute shall be finally settled without recourse to the courts, in accordance with the provisions of the Arbitration and Conciliation Act 1996 and amendments thereto, if any, and for this purpose, the dispute shall be referred to Arbitration Committee comprising of a member nominated by two Head of Organizations and one member will be jointly nominated by two organizations. The validity, interpretation, enforceability, and performance of this MoU shall be governed and construed in accordance with the Laws in India. The arbitral award shall be final and binding upon both the parties. The arbitration proceedings shall be held at Delhi. All proceedings shall be conducted, including all documents presented in such proceedings, in English language".

Signed and executed this day _____ of _____ 2023 in token of having accepted the terms and conditions mentioned therein.

On behalf of NMCG: _____
 Director
 National Mission for Clean Ganga

On behalf of the Concerned University: _____
 Vice Chancellor
 Concerned University

Page 8



Government Collaboration for a Wider Impact

Jal Shakti Awareness Conference

G D Goenka University on April 12th,2023 signed an MoU with Jal Ministry under the national initiative “Namami Gange: Universities Connect –Igniting Young Minds Rejuvenating Rivers”. The MoU offers the scope to the University, Faculty and Students carrying out in UG/PG programs or PhD program working on environment studies/Sciences and Water to work with Jal Ministry of Jal Shakti under its National Mission for Clean Ganga (NMCG). They would get access to all facilities under the ministry, mentoring from experts, to opportunity for projects grants, advocacy activities, holding conferences, workshops to incorporating activities in academic programs, to publications and more.

Further we can participate in all Artha Ganga project to even activities like Zero Budget Farming on Riverbanks and more. The University has also been asked to provide details of any activity or technology already developed which can be adopted in a scaled-up manner.

The Jal Shakti Minister Shri Gajendra Singh Shekhawat is handing over the MoU Dr. Sitharam Chairman AICTE is next to our Hon’ble Vice Chancellor Prof. B.S. Satyanarayana on his left. The Director General of National Mission for Clean Ganga (NMCG) Shri G. Ashok Kumar is next to our Registrar Dr. Dharendra Singh Parihar.

Around 50+ institutions have participated in the program





10. GD Goenka University: A sustainable Campus with zero water discharge

GD Goenka University has been harvesting rainwater system operational since 2013. To collect the rainwater and percolation in the ground, seven rainwater harvesting pits (90 *4*4 cube feet) are constructed. The purpose of rainwater harvesting is to reduce storm runoff from entering sewage water and recharge the groundwater table. This helps in two ways, first reduces the sewage treatment cost and second increases the groundwater table. The water collected from rooftops of academic, Lab and administrative blocks is collected in the pits through pipes and gutters. There are 7 pits designed on the university campus and each pit. The University is following a judicious water consumption pattern. The main water sources in the University are bore wells (two in number). The University caters to around 5000 students and around 450 teaching and 1000 non-teaching staff. The average consumption of water is around 43290 lit/day. Metering of water is done at both the supply points and monitored on a daily basis. The water is stored in two underground water tanks of a capacity of 2,50,000 L & 1,00,000 L and an overhead tank of a capacity of 2,50,000 L. Apart from these storage tanks buildings have additional overhead storage tanks on their rooftops. The water is pumped through two pumps with a capacity of 33HP each. The water supply system is fully automated. The water quality is tested on a regular basis (Detection of MPN) and the samples are taken on a rotational basis from different locations. The University has installed RO plants in a main hostel and food court and water filters are provided at various locations in the University to provide clean and safe drinking water. The micro-irrigation techniques like sprinklers, drip, and canal irrigation systems are used in the garden and agricultural farms to improve water use efficiency. The irrigation works are taken up either in the early morning or late evening for better efficiency.

Monitoring of water tanks is done on a regular basis and thorough cleaning of tanks is taken up at least once a year.

There are two STPs of capacity 250KLD to treat sewage. The treated water is used for irrigation for agriculture/horticulture and landscaping purposes. Treated water is being used for flushing purposes in some buildings by way of dual piping and being taken up in a phased manner in the earlier-constructed buildings. Water-efficient flush cisterns are used for lesser consumption. There is dedicated staff for maintenance and inspection of water supply systems and any leakages are attended promptly for repairs to reduce water loss.

a) Construction of tanks and bunds

The campus is well equipped with a Main overhead water tank with a capacity of four lakh litres. Water drawn from 2 bore wells is routed to this tank at regular intervals to cater to the requirement of the **25000 litres /day of water on campus**. The process is automated using sensors, hence reducing efforts of manual monitoring, and chances of overflow of water.

Every building is provided with enough overhead water tanks, based on the footfall of the building. These tanks get automatically filled (sensor-based) from the Main Overhead Tank. We also have the luxury of 2 underground water tanks with capacities of **2 lahks (UG Tank No. 1 at crop cafeteria)** and 1 lakh litre (UG Tank No.2 at crop cafeteria) each. These are dual-purpose tanks that would cater to fire tanks as well as for use in routine water requirements. The overhead water tank is cleaned annually. The water pipeline layout is attached.



b) Waste water recycling

There are 2 Sewerage Treatment Plants (STPs) on the campus that enable the treatment of black water. These are of capacity 250 KLD (FAB Technology) and 1000 KLD. The input of 4.5 lakh litres of water used in campus is treated in these STPs.

The utilization of Treated Water

- a) Treated water is used for the watering of grounds
- b) Treated water is shared with villagers based on their request
- c) Treated water is used for flushing purposes (dual plumbing)
- d) Treated water is used in the Nursery as well as in Canal technology



Sustainable Technologies at Work

Sustainability is at the core of **GD Goenka University's** DNA. The institution employs an array of sustainable technologies, such as desalination, wastewater treatment, and solar energy utilization for water purification. The campus is designed to optimize rainwater harvesting and reduce external energy consumption, promoting eco-friendliness. The university is also working on various projects to treat wastewater in a sustainable way.

3. Publications

GD Goenka University has made significant strides in the field of water conservation and management, as evidenced by its impressive record of publications. According to Scopus Data, the university has demonstrated substantial contributions in the areas of water treatment and related water management. With a remarkable total of 833



publications associated with the keyword "water treatment," **GD Goenka University** has been actively engaged in cutting-edge research and dissemination of knowledge in this critical domain. These publications encompass a wide range of topics, including innovative wastewater treatment technologies, sustainable water management strategies, and eco-friendly approaches to address water quality issues. The university's commitment to advancing research in water conservation is clearly reflected in its extensive body of work, making it a notable contributor to the global efforts to protect and preserve our precious water resources.

SDG 6 – Clean water and sanitation - Publications - 69					
S.No.	Type	Title	Authors	Journal / Book	Year
1	Article	<i>Harnessing cotton fibril decorated ZIF-67 for bio-inspired all-weather sustainable photothermal desalination</i>	Jain, G.; Jain, Y.; Sikarwar, B.S.; Mukherjee, M.; Chakrabarti, S.	<i>Chemical Engineering Journal</i>	2025
2	Conference Paper • Open access	<i>Wetland protection and Ramsar Convention – an empirical study of wetlands in Bihar, India</i>	Pandey, S.; Bansal, S.; Vasmatkar, A.D.; Dharangutti, Y.M.	<i>E3S Web of Conferences</i>	2025
3	Review	<i>Responses of natural plastisphere community and zooplankton to microplastic pollution: a review on novel remediation strategies</i>	Rai, M.; Dhanker, R.; Sharma, N.; Du, Z.; Mohamed, H.I.	<i>Archives of Microbiology</i>	2025
4	Article • Open access	<i>QGIS: an effective tool in assessing the quantity and quality of groundwater resources</i>	Mittal, A.; Pandey, G.; Siddiqui, N.; Mondal, P.; Molokitina, N.S.	<i>Water Supply</i>	2025
5	Book Chapter	<i>Industrial Application of Bio-nanomaterials in Agriculture</i>	Pandey, V.; Sharma, A.; Kumar, D.; Samadhiya, N.; Tomar, S.S.	<i>Bio Nanomaterials in Environmental Remediation Industrial Applications</i>	2025
6	Book Chapter	<i>Cleaning up wastewater through algae and its integration with other processes</i>	Dhanker, R.; Yadav, R.; Khushboo; Kasere, S.; Anshul	<i>Advanced Technologies in Wastewater Treatment Food Pharmaceutical and Chemical Industry</i>	2025
7	Conference Paper • Open access	<i>Enhanced Water Treatment using Sustainable nanomaterial-based Adsorbents</i>	Bhalla, L.; Saxena, A.; Sharma, P.; Krishna, P.V.; Vyas, A.	<i>E3S Web of Conferences</i>	2024
8	Conference Paper • Open access	<i>Green Synthesis of Nanocomposite Membranes for Sustainable Water Filtration</i>	Mishra, M.; Mittal, A.; Negi, G.S.; Srilakshmi, K.; Karthikeyan, R.	<i>E3S Web of Conferences</i>	2024
9	Conference Paper • Open access	<i>Green Materials for Sustainable Water Desalination: Nanocomposite Membranes</i>	Sharma, G.; Singh, R.; Kaur, P.; Lavanya, C.; Shradhey	<i>E3S Web of Conferences</i>	2024
10	Article	<i>Groundwater Resilience in Rice-Growing Regions: Utilizing GRACE Data for Sustainable Water Management</i>	Neelam; Rathee, R.K.; Mishra, S.K.; Kumar, A.	<i>Water and Energy International</i>	2024
11	Conference Paper • Open access	<i>Reuse and Recycling of Waste Materials for Green Nanocomposite Fabrication</i>	Sharma, V.; Negi, A.S.; Sharma, N.K.; Prashanthi, B.; Sharma, P.	<i>E3S Web of Conferences</i>	2024

12	Article	<i>Optimization of Operational Parameters for Treatment of Domestic Wastewater Using Electro-Coagulation</i>	<i>Sushila; Kumar, P.</i>	<i>Annals of Biology</i>	2024
13	Article	<i>Sustainable Management of Floral Waste to Reduce Environmental Pollution...</i>	<i>Gupta, V.K.; Kumar, R.; Dhanker, R.; Kamble, S.S.; Mohamed, H.I.</i>	<i>Water Air and Soil Pollution</i>	2024
14	Review	<i>Regeneration and reusability of non-conventional low-cost adsorbents...</i>	<i>El Messaoudi, N.; El Khomri, M.; El Mouden, A.; Kumar, V.; Américo-Pinheiro, J.H.P.</i>	<i>Biomass Conversion and Biorefinery</i>	2024
15	Book Chapter	<i>Enhancing nutrient uptake with nano fertilizers and soil amendments</i>	<i>Tomar, B.; Patle, T.; Parihar, S.S.; Singh, P.K.; Tomar, S.S.</i>	<i>Harnessing Nanoomics and Nanozymes for Sustainable Agriculture</i>	2024
16	Book Chapter	<i>Nanotechnology solutions for sustainable pest and disease control...</i>	<i>Singh, P.K.; Tomar, B.; Patle, T.; Tomar, S.S.; Singh, D.</i>	<i>Harnessing Nanoomics and Nanozymes for Sustainable Agriculture</i>	2024
17	Review • Open access	<i>Pesticides impacts on human health and the environment...</i>	<i>Ahmad, M.F.; Ahmad, F.A.; A Alsayegh, A.A.; Abdelrahman, M.H.; Hussain, S.</i>	<i>Heliyon</i>	2024
18	Article	<i>Interval-valued intuitionistic fuzzy AROMAN method and its application...</i>	<i>Alrasheedi, A.F.; Mishra, A.R.; Pamucar, D.S.S.; Devi, S.; Cavallaro, F.</i>	<i>Journal of Intelligent and Fuzzy Systems</i>	2024
19	Review	<i>Stereoselective analysis of chiral pesticides: a review</i>	<i>Vashistha, V.K.; Sethi, S.; Mittal, A.; Bala, R.; Yadav, S.</i>	<i>Environmental Monitoring and Assessment</i>	2024
20	Conference Paper • Open access	<i>Micro-essential and toxic heavy metals in surface water of Harike wetland - India</i>	<i>Naqash, N.; Devi, S.; Singh, R.</i>	<i>Bio Web of Conferences</i>	2024
21	Article • Open access	<i>Modelling groundwater dynamic for zone budgeting using MODFLOW...</i>	<i>Neelam; Rathee, R.K.; Mishra, S.K.</i>	<i>International Journal of Water</i>	2024
22	Book Chapter	<i>Enhancing the Nutrient Use Efficiency Through Nano-Biochar</i>	<i>Deb, P.</i>	<i>Nanomaterials and Nano Biochar in Reducing Soil Stress</i>	2024
23	Book Chapter	<i>Antibiotic resistance genes as contaminants in industrial wastewater treatment</i>	<i>Dhanker, R.; Mammen, M.; Singh, A.; Hussain, T.; Tyagi, P.</i>	<i>Genomics of Antibiotic Resistant Bacteria in Industrial Waste Water Treatment</i>	2023
24	Review	<i>Algae-bacteria mediated treatment of industrial wastewater...</i>	<i>Dhanker, R.; Khatana, K.; Verma, K.; Kumar, R.; Mohamed, H.I.</i>	<i>Biocatalysis and Agricultural Biotechnology</i>	2023
25	Article	<i>Optimum redundancy allocation using spider monkey optimization</i>	<i>Agrawal, A.; Garg, D.; Sethi, R.; Shrivastava, A.K.</i>	<i>Soft Computing</i>	2023
26	Article	<i>The versatile world of cellulose-based materials in healthcare...</i>	<i>Chandel, N.; Jain, K.; Jain, A.; Yang, Y.; Bhatia, S.K.</i>	<i>Industrial Crops and Products</i>	2023
27	Article	<i>Impact Assessment of Water Conservation Measures Using SWAT Model...</i>	<i>Rathee, R.K.; Neelam; Mishra, S.K.</i>	<i>Water and Energy International</i>	2023
28	Article	<i>Sustainable application of nanoparticles in wastewater treatment...</i>	<i>Mondal, P.; Nandan, A.; Ajithkumar, S.; Kola, A.K.; Deepanraj, B.</i>	<i>Environmental Research</i>	2023

29	Article	<i>Changes in bacterioplankton and zooplankton communities...</i>	Prakash, D.; Dhanker, R.; Kumar, R.	<i>Aquatic Ecosystem Health and Management</i>	2023
30	Review	<i>Modern Advancement in Biotechnological Applications for Wastewater Treatment...</i>	Goyal, S.; Dhanker, R.; Hussain, T.; Kumar, K.M.; Mohamed, H.I.	<i>Water Air and Soil Pollution</i>	2023
31	Article • Open access	<i>Biosynthesis and characterization of silver nanoparticles...</i>	Deepa; Dhanker, R.; Kumar, R.; Saxena, K.; Goyal, S.	<i>Frontiers in Nanotechnology</i>	2023
32	Article	<i>Impact of Crop Residue Burning on Groundwater Storage and Air-Quality</i>	Neelam; Rathee, R.K.; Kumar, A.	<i>Water and Energy International</i>	2023
33	Book Chapter	<i>Introduction to Micropollutants and Their Sources</i>	Shaida, M.A.; Talukdar, S.; Mahtab, M.S.; Farooqi, I.H.	<i>Management of Wastewater and Sludge New Approaches</i>	2023
34	Article • Open access	<i>Wheat (<i>Triticum aestivum</i>) genotypes under deficit-watered conditions</i>	Zhiipao, R.R.; Pooniya, V.; Kumar, D.; Choudhary, R.L.; Babu, S.N.S.	<i>Frontiers in Plant Science</i>	2023
35	Book	<i>Omics for Environmental Engineering and Microbiology Systems</i>	Kumar, V.; Garg, V.K.; Kumar, S.N.; Biswas, J.K.	<i>Omics for Environmental Engineering and Microbiology Systems</i>	2022
36	Article	<i>Bioremediation of metal(loid) cocktail and plant growth promotion...</i>	Mondal, M.; Kumar, V.; Bhatnagar, A.; Chaudhuri, P.; Biswas, J.K.	<i>Environmental Research</i>	2022
37	Article • Open access	<i>Recovery of silver nanoparticles and management of food wastes...</i>	Dhanker, R.; Rawat, S.; Chandna, V.; Sharma, A.; Kumar, V.	<i>Environmental Advances</i>	2022
38	Article • Open access	<i>Integrated application of macrophytes and zooplankton for wastewater treatment</i>	Prakash, D.; Kumar, R.; Rajan, K.; Dhanker, R.; Khudsar, F.A.	<i>Frontiers in Environmental Science</i>	2022
39	Article • Open access	<i>Microalgal mediated bioremediation systems for antibiotics removal</i>	Chandel, N.; Ahuja, V.; Gurav, R.G.; Yang, Y.; Bhatia, S.K.	<i>Science of the Total Environment</i>	2022
40	Review	<i>Microalgal-bacterial granular consortia for wastewater treatment</i>	Bhatia, S.K.; Ahuja, V.; Chandel, N.; Kim, S.H.; Yang, Y.	<i>Bioresource Technology</i>	2022
41	Review • Open access	<i>Biological Approaches Integrating Algae and Bacteria...</i>	Mathew, M.M.; Khatana, K.; Vats, V.; Dahms, H.U.; Hwang, J.	<i>Frontiers in Microbiology</i>	2022
42	Book Chapter	<i>Phytoremediation: A Sustainable Solution to Combat Pollution</i>	Saxena, K.; Hussain, T.; Dhanker, R.; Jain, P.; Goyal, S.	<i>Biotechnological Innovations for Environmental Bioremediation</i>	2022
43	Book Chapter	<i>Bioremediation of pharmaceutical combinations in wastewater</i>	Kumari, S.; Singh, R.; Mohapatra, B.	<i>Synergistic Approaches for Bioremediation Recent Advances and Challenges</i>	2022
44	Book Chapter	<i>Decontamination and Management of Industrial Wastewater Using Microorganisms</i>	Sharma, A.; Sharma, S.; Singh, C.S.; Kumar, V.	<i>Omics Insights in Environmental Bioremediation</i>	2022
45	Book Chapter	<i>Microbial Ecology of Wastewater Treatment Processes</i>	Chauhan, A.S.; Kumar, A.; Parmar, K.; Kumar, V.	<i>Omics Insights in Environmental Bioremediation</i>	2022
46	Book Chapter	<i>Microbial Community Composition and Functions in Activated Sludge</i>	Dey, S.; Anand, U.; Bhattacharya, S.; Kumar, V.; Dey, A.	<i>Omics Insights in Environmental Bioremediation</i>	2022

47	Book Chapter	Contamination and impacts of metals and metalloids on agro-environment	Jha, S.; Singh, R.; Jha, G.; Singh, P.; Dikshit, A.	Metals and Metalloids in Soil Plant Water Systems	2022
48	Book Chapter	Genetically engineered microbes for bioremediation and phytoremediation	Arunraja, D.; Romauld, S.I.; Parthiban, B.D.; Thiruvengadam, S.; Kumar, V.	Metagenomics to Bioremediation Applications	2022
49	Book Chapter	Aerobic and anaerobic ammonia-oxidizing bacteria	Jain, P.; Saxena, K.; Dhanker, R.; Singhla, G.; Hussain, T.	Microbial Ecology Diversity and Functions of Ammonia Oxidizing Bacteria	2022
50	Review	Diatoms as a biotechnological resource for biofuel production	Dhanker, R.; Kumar, R.; Tiwari, A.; Kumar, V.	Biotechnology and Genetic Engineering Reviews	2022
51	Article	Performance analysis of the water treatment reverse osmosis plant	Agrawal, A.; Garg, D.; Kumar, A.; Kumar, R.	Reliability Theory and Applications	2021
52	Article • Open access	Tackling complexity in urban climate resilience	Sethi, M.; Sharma, R.; Mohapatra, S.; Mittal, S.	PLOS One	2021
53	Article	Farmers' Perception, Adaptation to Groundwater Salinity...	Mitra, S.; Mehta, P.K.; Mishra, S.K.	Weather Climate and Society	2021
54	Book Chapter	Science of Microorganisms for the Restoration of Polluted Sites	Hussain, T.; Dhanker, R.	Microbial Ecology of Wastewater Treatment Plants	2021
55	Article	Cost Benefit Analysis Of Three Sewage Treatment Technologies in Delhi	Sharma, P.; Mishra, S.K.; Sood, S.	Indian Journal of Environmental Protection	2021
56	Article	Comparative analysis of sewerage treatment plants in Delhi	Sharma, P.; Mishra, S.K.; Sood, S.	International Journal of Environment and Waste Management	2021
57	Article	De-stressing water-stressed India: Lessons from ancient scriptures	Sinha, G.K.; Ray, A.S.; Mishra, S.K.	Indian Journal of Economics and Business	2021
58	Article	Unsupervised learning techniques in groundwater quality assessment	Sood, S.; Sharma, P.	Sustainable Water Resources Management	2020
59	Article	Development of MLR model for BOD removal efficiency...	Sharma, P.; Sood, S.; Mishra, S.K.	Sustainable Water Resources Management	2020
60	Book Chapter	Constructed Wetland: A Green Technology for Wastewater Treatment	Choudhary, A.K.; Kumar, P.	Environmental Microbiology and Biotechnology Vol. 1	2020
61	Book Chapter	Advances in fungi: Rejuvenation of polluted sites	Dhanker, R.; Tyagi, P.; Kamble, S.S.; Gupta, D.; Hussain, T.	Fungi Bio Prospects in Sustainable Agriculture Vol. 2	2020
62	Article	Estimation of re-aeration coefficient using MLR...	Arora, S.; Keshari, A.K.	Groundwater for Sustainable Development	2018
63	Article • Open access	Performance Evaluation of Sewage Treatment Plants...	Sharma, P.; Mishra, S.K.; Sood, S.	Journal of Environmental Science and Engineering	2018
64	Article • Open access	Evaluation of Wastewater Quality Index...	Sharma, P.; Mishra, S.K.; Sood, S.	Journal of Environmental Science and Engineering	2018
65	Article	Predicting river water quality index using data mining techniques	Babbar, R.; Babbar, S.	Environmental Earth Sciences	2017
66	Conference Paper	Nuclear Power Generation Using Modular Helium Cooled Reactors for Sustainable Lunar Bases	Guyen, U.; Gurunadh, V.	Proceedings of the International Astronautical Congress IAC	2023

67	Review	<i>Critical analysis of iron-based heterogeneous catalysts for AOPs</i>	<i>Azfar Shaida, M.; Verma, S.; Talukdar, S.; Naushad, M.; Farooqi, I.H.</i>	<i>Journal of Molecular Liquids</i>	2023
68	Book Chapter	<i>Oxidative Catalytic Potential of Lignin-Modifying Enzymes...</i>	<i>Bomfim, S.A.; Barros, G.P.; Bharagava, R.N.; Romanholo Ferreira, L.F.</i>	<i>Genomics to Bioremediation Principles Applications and Perspectives</i>	2023
69	Review	<i>Integrated approach of algae-bacteria mediated wastewater treatment</i>	<i>Dhanker, R.; Khatana, K.; Verma, K.; Kumar, R.; Mohamed, H.I.</i>	<i>Biocatalysis and Agricultural Biotechnology</i>	2023

4. Impact and Way Forward

GD Goenka University stands as a model of innovation, awareness, and accountability in water conservation and management. The University's initiatives go beyond academic learning, integrating sustainability into every facet of campus operation. Through systematic water metering, reuse of treated wastewater, rainwater harvesting, and efficient irrigation systems, GD Goenka University demonstrates a strong commitment to preserving water resources in a water-scarce region.

By actively engaging with the community and collaborating with government bodies, the University ensures that its sustainability practices have a lasting regional impact. Its ongoing research, policy alignment, and technological adoption reflect a forward-thinking approach to addressing global challenges related to clean water and sanitation.

Moving forward, GD Goenka University aims to strengthen its efforts under SDG 6 by expanding water recycling capacities, enhancing rainwater harvesting infrastructure, and promoting greater student and community participation in conservation initiatives. The University envisions a future where responsible water management becomes a shared commitment, ensuring that future generations value, conserve, and sustain this vital resource.

7 AFFORDABLE AND CLEAN ENERGY



SDG 7: Affordable & Clean Energy

GD Goenka University – Sustainability Initiatives and Achievements

About Us

GD Goenka University (GDGU), established in 2013, is a State Private University located on Sohna Road, Gurugram, in the National Capital Region of India. Founded under the vision of Shri A.K. Goenka, GDGU is part of the larger G.D. Goenka Group, which has been a pioneer in Indian education for over three decades. The University aspires to be a global leader in higher education, nurturing intellectual excellence, creativity, leadership, and social responsibility. Guided by its motto “Thrive to Life”, GDGU emphasizes holistic development, preparing students to succeed academically, professionally, and personally.

GDGU offers a wide spectrum of undergraduate, postgraduate, and doctoral programmes across multiple disciplines, including Engineering & Sciences, Management, Law, Liberal Arts & Social Sciences, Healthcare & Allied Sciences, Hospitality & Tourism, Design & Creative Studies, and Agricultural Sciences. The University is recognized by the University Grants Commission (UGC) and approved by relevant professional councils, ensuring high academic standards and global relevance.

The University’s 60-acre state-of-the-art campus is nestled at the foothills of the Aravalli Range, providing modern classrooms, advanced laboratories, smart learning spaces, premium hostels, and extensive sports and recreational facilities. GDGU is committed to sustainable development, integrating renewable energy solutions such as solar power, promoting energy efficiency, rainwater harvesting, waste recycling, and electric mobility solutions—efforts directly aligned with SDG 7: Affordable and Clean Energy. These initiatives reduce the campus’s carbon footprint while instilling a culture of environmental responsibility among students.

With a diverse body of several thousand students from multiple nationalities, GDGU fosters a culturally rich, inclusive, and collaborative learning environment. The University emphasizes interdisciplinary learning, industry engagement, global exposure through student exchange programmes, internships, and a strong focus on innovation and entrepreneurship. Its proximity to Delhi and major corporate hubs enhances employability and industry readiness of graduates.

GD Goenka University defines excellence as inspiring students to learn, innovate, and serve, creating a lasting positive impact on society. By combining academic rigor, holistic growth, and sustainable practices, GDGU prepares responsible global citizens while actively contributing to affordable and clean energy solutions.

Green Energy & Environment Audit Report

SENERGY CONSULTANTS PVT LTD

Ref: SCPL-PR-922-211223
Date: December 21, 2023

Green, Energy and Environment Audit Report
G D Goenka University

**II
Executive Summary**

The premises were evaluated against the various criteria laid down by the various Ranking and Accreditation agency. The major observations are:

Renewable Energy:

- The Roof-top Solar Photovoltaic System with grid synchronization is installed on most of the roofs.
- The hostels are installed with heat pumps for generating hot water, while Roof-top Solar Photovoltaic System with grid synchronization is installed on the roofs. This is more efficient and effective methods for energy optimization.
- The possibility of installing biogas plant from canteen waste is being assessed and planned during the next semester. This could reduce LPG consumption in the canteen, while generating organic manure. The University has already installed compost pit, while remaining food waste is handed over to an agency for composting. The agency provides organic manure for gardening and plantation.

Green Campus Initiative:

- The movement of vehicle inside the campus is restricted and limited to cater to very few and specific requirements.
- Pedestrian friendly pathways have been constructed for easy movement inside the campus.
- The electrical vehicles, bicycles are available for in-campus movement.
- There is a ban on plastic usage inside the campus.
- The campus is surrounded with a lot of greenery, trees, and proper landscaping.
- The campus has sewage treatment plants to treat the entire sewage is treated; which is then used for gardening. There is no discharge of treated water outside campus.
- The rain water in the entire campus (rooftop as well as open areas) is systematically collected and fed back in to the soil for ground water recharge. There is marked improvement in the water table over a period time after incorporating this path breaking rain water harvesting technique.

Environment & Energy Initiative:

- There are multiple activities and initiatives taken for conservation of energy and environment.

Air Quality & Ventilation:

- The entire space is air conditioned and properly ventilated to ensure proper air quality.
- The fans are appropriately installed to ensure proper air circulation and minimize load on the air conditioning.
- The outdoor plants have also been provided to improve the environment.

Lighting System:

- The usage of natural light is optimized through well designed structure and windows.
- Almost all the light fitting are provided with high efficiency LED lamps.
- The lighting in washrooms and common area is being automated with sensor based control.

Water Quality & Conservation:

- The ground water drawn through a set of three bore wells and further treated depending on the usage.

[Handwritten Signature]




Recognized among India’s greenest campuses with prestigious LEED Platinum Certification for sustainability excellence.



**Commitment to Sustainability:
GD Goenka University Sohna Campus
Wins LEED v4.1 EBOM Platinum Level
Certification**



-  BETTER ENERGY PERFORMANCE - SOLAR PV PLANT, SMART HVAC
-  BETTER WATER PERFORMANCE - LOW-FLOW FIXTURES AND WATER REUSE SYSTEMS
-  BETTER WASTE MANAGEMENT - STRONG RECYCLING AND RESPONSIBLE DISPOSAL
-  BETTER INDOOR AIR QUALITY



Sustainable Development Goals – SDG 7: Affordable and Clean Energy

SDG 7 aims to ensure access to affordable, reliable, sustainable, and modern energy for all. While global progress has been made in increasing access to electricity and improving energy efficiency, millions of people still lack reliable energy, and access to clean cooking fuels and technologies remains insufficient. Inadequate energy infrastructure also affects critical services such as healthcare, limiting the capacity of health facilities to function effectively.

GD Goenka University actively contributes to SDG 7 through education, research, and sustainable campus initiatives. The University integrates renewable energy solutions across its campus, including solar power installations, energy-efficient infrastructure, and electric mobility systems, reducing carbon emissions while providing a living laboratory for students. Through its solar energy-based training programmes, GDGU offers hands-on education and skill development for emerging energy planners, engineers, and rural youth, equipping them to drive sustainable energy solutions.

The University's research focuses on optimizing the use of natural resources and advancing integrated practices for cleaner, more affordable energy production. By exploring synergies in resource efficiency, energy recycling, and renewable technologies, GDGU is building expertise in sustainable energy and empowering students and communities to implement practical, high-impact solutions. These initiatives reinforce the University's commitment to fostering a culture of sustainability, innovation, and social responsibility while supporting global progress toward SDG 7.

Targets:

Goal 7.2: University measures towards affordable and clean energy

Goal 7.2.1: Energy-efficient renovation and building

Goal 7.2.2: Upgrade buildings to higher energy efficiency

Goal 7.2.3: Carbon reduction and emission reduction process

Goal 7.2.4: Plan to reduce energy consumption

Goal 7.2.5: Energy wastage identification

Goal 7.2.6: Divestment policy

Goal 7.3: Energy use density

Goal 7.3.1 Indicator: Energy usage per sqm

Goal 7.4: Energy and the community

Goal 7.4.1: Local community outreach for energy efficiency

Goal 7.4.2: 100% renewable energy pledge

Goal 7.4.3: Energy efficiency services for industry

Goal 7.4.4: Policy development for clean energy technology

Goal 7.4.5: Assistance to low-carbon innovation

In alignment with the 2030 Agenda for Sustainable Development, GD Goenka University (GDGU) in Gurugram continues its unwavering commitment to a sustainable future that ensures access to clean, reliable, and affordable energy for all. Since its establishment in 2013, GDGU has remained dedicated to fostering positive societal impact, not only through its academic initiatives but also by inspiring its students to champion sustainability in their own capacities.

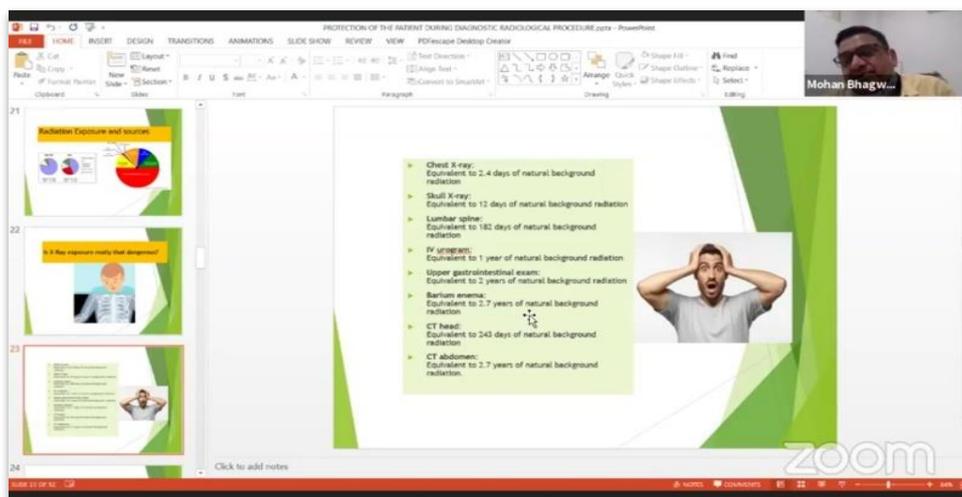
As an institution with the power to drive change, GDGU actively engages with policymakers, industry leaders, businesses, NGOs, media, students, and academic scholars to explore and implement collaborative solutions aimed at reducing energy consumption, promoting renewable energy production, and contributing to the global pursuit of a sustainable energy future. Our dedication to Sustainable Development Goal 7 (SDG-7), which focuses on affordable and clean energy, remains central to our mission.



At GDGU, our commitment to sustainability extends beyond rhetoric and embraces practical action. The University’s campus serves as a living laboratory for sustainable practices, with multiple SDG-7 related initiatives spanning research, innovation, teaching, operations, outreach, and partnerships. GDGU has undertaken efforts to map academic programs and courses to relevant aspects of SDG-7, creating a comprehensive sustainability course inventory. Student engagement in sustainability, including community-based learning, renewable energy projects, and energy awareness campaigns, further embeds SDG-7 principles within the University’s educational ethos.

Looking forward, GD Goenka University remains resolute in advancing SDG-7 and contributing to a cleaner, more sustainable energy landscape. We are committed to shaping not only informed and skilled graduates but also responsible global citizens who actively contribute to sustainable development, clean energy solutions, and positive change for society and the planet.

Awareness Program



Awareness of Radiation Protection” (29th June 2021)

Report design for SDG-7 at GDGU:

- Research on clean energy
- University measures towards affordable and clean energy
- Energy use density
- Energy and the community
- News

Research on clean energy:

GD Goenka University collaborates with national and international partners to promote clean energy. The University focuses on solar power, green campus initiatives, and optimal energy use, using the campus as a living laboratory for sustainable energy solutions.

University measures towards affordable and clean energy:

- GDGU follows India's energy efficiency standards for new buildings and renovations to reduce carbon emissions, optimize electricity use, and minimize waste.
- Buildings are designed for reduced heat absorption, natural ventilation, and lighting efficiency. Energy-efficient technologies such as LED lighting, smart classrooms, and locally sourced materials are used to lower running costs and support sustainable energy use.

Electrical System

Lamps:

GD Goenka University has upgraded the lighting across the campus to high-efficiency LED lamps in offices, classrooms, hostels, labs, and street lighting. Lighting in washrooms and common areas is automated using sensor-based controls to optimize energy usage.

Details of Light Fittings:

Location	LED Lamps 36 W	LED Lamps 10 W
Phase 2 Hostel	418	216
Dining	300	240
Fitness	180	50
Hercules	130	50
Guest House	40	28
Sophia Hostel	104	84
Academic Building	900	114
Lab Building	548	30

Air Conditioning Units

GD Goenka University operates a centralized chilled water system along with VRV units, split AC units, and precision AC units in UPS and server rooms. The chilled water system includes:

- 2 water-cooled centrifugal chillers (550 TR each)
- Primary chilled water pumps (18.5 kW × 2)
- VFD-driven secondary chilled water pumps (37 kW)
- Condenser pumps (45 kW × 2)
- Cooling towers (300 TR × 4)

The campus has over 500 Air Handling Units (AHUs) catering to all air-conditioned areas. Fans are operated at lower speeds to enhance air circulation, improving efficiency and reducing energy consumption.

Air Conditioning System

- The entire campus is air-conditioned using centralized Chilled Water Systems and Variable Refrigerant Volume (VRV) units. Operations are automated to optimize energy consumption.
- All windows are equipped with Double Walled Glass (DWG) to minimize heat gain and loss.
- The outer glass panes are tinted or glazed to reduce heat gain from direct solar radiation.
- As centralized chilled water systems make it difficult to segregate vacant spaces, they are being progressively replaced with energy-efficient VRV systems.
- Room temperatures are maintained between 24°C and 25°C, within recommended comfort levels.
- Air conditioners are serviced regularly and well maintained to ensure efficient operation.
- The performance of the centralized chiller system is monitored and remains satisfactory.
- VRV and other air conditioning units are energy-efficient and compliant with current standards.
- All air-conditioned spaces are properly sealed to prevent outside air ingress and cold air loss.

System Details by Location:

Location	VRV/HP	Chiller TR
Phase 2 Hostel	-	1600
Fitness	-	-
Hercules	-	94
Dining	-	27
Guest House	-	100
Sophia Hostel	-	1125
Academic Building	-	375
Lab Building	-	-



VRV Systems (Outdoor Units)





Double Walled Glass (DWG) with tinted glazing is used to minimize heat ingress.

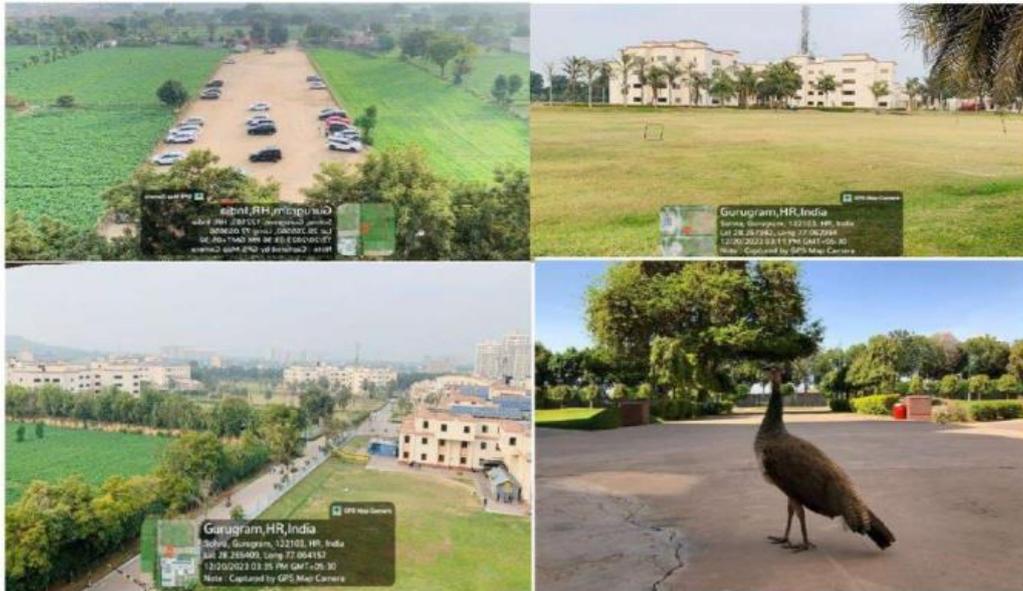


Control for VRV Units (Remote Switching & Monitoring)

Roof-top Solar Photovoltaic System

GD Goenka University has installed roof-top solar photovoltaic systems across multiple campus buildings, contributing to renewable energy generation and reducing dependency on grid electricity. The installed capacity and actual power generation details are as follows:

Sr No	Location	Inverters (kW)	Panels (kW)
1	DG Room	60	68.25
2	Dining Hall	60	74.75
3	A Block University	120	140.225
4	B Block University	120	134.225
5	C Block University	50	61.75
6	Parking	200	234
7	Basement	80	87.75
-	Overall	690	800.95



Renewable Energy (On-Site Solar)

GD Goenka University has installed a total of 563.2 kW of on-site solar capacity. During inspection, it was observed that a thick layer of dust had accumulated on the panels due to limited maintenance, which may reduce the efficiency of renewable energy generation. Regular cleaning and upkeep are recommended to ensure optimal performance of the solar installation.



GD GOENKA UNIVERSITY
Thrive. For life.

**Commitment to Sustainability:
GD Goenka University Sohna
Campus Wins LEED v4.1 EBOM
Platinum Level Certification**

1 BETTER ENERGY PERFORMANCE
- SOLAR PV PLANT, SMART HVAC

4 BETTER WATER PERFORMANCE
- LOW-FLOW FIXTURES AND WATER REUSE SYSTEMS

20 BETTER WASTE MANAGEMENT
- STRONG RECYCLING AND RESPONSIBLE DISPOSAL

18 BETTER INDOOR AIR QUALITY

GD GOENKA UNIVERSITY
Sohna Road, Gurugram



Waste Management

- The campus is equipped with sewage treatment plants, and all treated sewage water is reused for gardening. No treated water is discharged outside the campus.
- Organic waste is segregated and composted on-site, while remaining food waste is handed to an external agency for composting. The resulting organic manure is used for gardening and plantation.
- Separate dustbins are installed across the campus for the collection of dry and wet solid waste.
- No hazardous or medical waste is generated within the University.
- Slightly obsolete electronic gadgets, including computers, are donated to nearby schools.
- Waste paper is collected and sent to an agency for recycling or reprocessing, with a portion reused on campus.

Green IT Culture

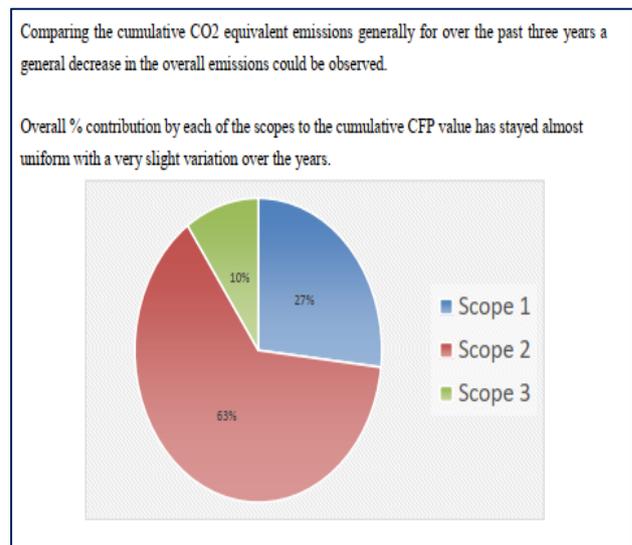
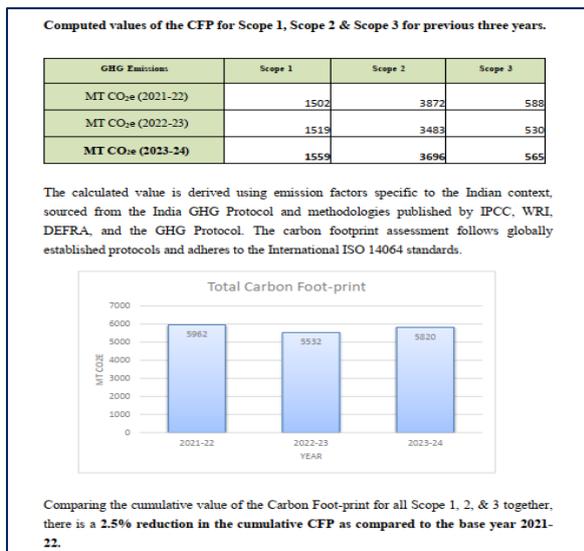
- GD Goenka University uses energy-efficient computers and laptops across departments to reduce overall electricity consumption.
- The University encourages electronic communication and digital workflows to minimize paper use.
- Most paper used on campus is reused for double-sided printing, reflecting GDGU's commitment to sustainable and eco-friendly practices.

Carbon Foot Print

- A carbon footprint report is an essential tool for universities aiming to address environmental challenges and demonstrate a commitment to sustainability. Universities are microcosms of society, often encompassing a wide range of activities that contribute to greenhouse gas (GHG) emissions, including energy consumption, transportation, construction, and waste management. By quantifying these emissions, a carbon footprint report provides a clear picture of the environmental impact of campus operations. This data allows institutions to identify areas of inefficiency and prioritize actions to reduce emissions, paving the way for more sustainable practices.
- Such reports also align universities with global efforts to combat climate change, including the United Nations' Sustainable Development Goals (SDGs) and the Paris Agreement. As centers of education and research, universities have a unique responsibility to lead by example and inspire broader societal changes. A robust carbon footprint report not only helps institutions measure progress toward their sustainability goals but also supports the development of innovative solutions that can benefit communities beyond the campus. By addressing their carbon footprint, universities can directly contribute to reducing global emissions while fostering a culture of environmental awareness among students, faculty, and staff.
- The benefits of a carbon footprint report extend beyond environmental stewardship. In today's competitive landscape, sustainability is a key factor influencing decisions made by students, faculty, and funding organizations. Demonstrating a commitment to reducing emissions enhances the university's reputation, attracting environmentally conscious individuals and securing partnerships or grants aimed at promoting sustainability. Furthermore, regulatory frameworks and local or national climate policies increasingly require organizations to monitor and mitigate their environmental impact. A carbon footprint report ensures compliance with these requirements and positions the institution as a proactive leader in climate action.



- Moreover, integrating findings from a carbon footprint report into educational programs and research initiatives amplifies its impact. Universities can use the data to inform curriculum design, conduct research on climate solutions, and provide students with hands-on learning opportunities in sustainability practices. This approach not only enriches the educational experience but also equips future leaders with the knowledge and skills needed to address environmental challenges effectively



When it comes to reducing human-caused emissions of greenhouse gases, especially carbon dioxide, trees play a vital role. Through photosynthesis, trees absorb CO₂ from the atmosphere and use it for growth—helping to balance the ecosystem. GD Goenka University actively contributes to this effort by organizing plantation drives throughout the year, both within the campus and in nearby communities, to enhance green cover and promote environmental awareness.

Various initiatives undertaken by the University to reduce carbon emissions include:

1. Eco-friendly transportation within the campus
2. Promotion of bicycle usage among students and staff
3. Use of electric vehicles for on-campus mobility
4. Adoption of natural gas for cleaner energy operations
5. Regular tree plantation drives in and around the campus

Green Campus Initiatives



Landscaping of Campus



Battery Powered Vehicles



Eco-Friendly Campus



www.gdgoenkauniversity.com

CNG Bus and Cars



Pedestrian Pathways



Plastic Free Campus

Alternate Sources of Energy



Alternate sources of energy and energy conservation measures

✓
Solar Energy
269.10 KWP
power generation

✓
Use of LED Bulbs/
Power Efficient
Equipment

✓
Sensor-based
Energy
Conservation

✓
Wheeling
to
The Grid



www.gdgoenkauniversity.com

Student Initiative & Collaboration

GD Goenka University actively supports Sustainable Development Goal 7 by encouraging student-led initiatives, academic programs, and collaborations that promote clean and affordable energy solutions. The School of Engineering and Sciences offers specialized programs such as B.Tech in Energy Engineering and M.Tech in Renewable Energy Engineering, which equip students with the knowledge and skills to develop sustainable energy technologies, including solar, wind, and bioenergy systems. Students actively participate in research projects, innovation challenges, and industrial internships focused on renewable energy and energy efficiency.



Through the university's Eco Club and Innovation & Entrepreneurship Centre, students organize energy conservation campaigns, awareness drives, and workshops on sustainable energy practices. The university has also integrated renewable energy solutions on campus, such as solar photovoltaic systems and energy-efficient lighting, making the campus a living model of sustainability.

In addition, GD Goenka University's annual SPEED (Student Project Exhibition on Engineering Design) showcases student projects on renewable energy and green technology, fostering creativity and problem-solving skills among young innovators. Collaborative partnerships with industries, government agencies, and NGOs provide students with opportunities to translate their clean energy ideas into real-world applications. Through these initiatives, GD Goenka University cultivates a culture of sustainability, empowering students to become future leaders in the clean energy transition and contributing directly to the achievement of SDG 7 — ensuring access to affordable, reliable, sustainable, and modern energy for all.

<p style="text-align: center;">WELCOME TO THE ENERGY ENGINEERING DEPARTMENT AT GD GOENKA UNIVERSITY</p> <p>Energy is the driving force of modern civilization, and as the world shifts towards sustainable and efficient energy solutions, the demand for skilled professionals in this sector is skyrocketing. The Energy Engineering Department at GD Goenka University is committed to equipping future engineers with the expertise to lead this transformation.</p> <p>Our B.Tech program in Energy Engineering gives the potential undergraduate students to specialize in cutting edge programs in energy to help the students to become the leaders of the energy sector. Students can choose to specialize in Renewable Energy, Nuclear Energy or in Oil & Gas Engineering.</p> <p>Our flagship program M.Tech in Renewable Energy Engineering program offers cutting-edge specializations in Solar Power, Wind Power, Marine Power, Hydropower and Biomass among others. It is designed to prepare students for dynamic careers in one of the most crucial sectors of the 21st century. With India's ambitious goals for net-zero emissions, rapid expansion of renewable energy capacity, and increasing investments in nuclear power, this field presents unparalleled growth opportunities. Our program is designed to empower the future energy leaders for a sustainable world.</p> <p>Our M.Tech in Nuclear Engineering program offers cutting-edge analyses of Nuclear Energy Reactors, Nuclear Processes, Non-destructible Testing Methods and Medical Applications as well as Research.</p> <p>Our M.Tech programs are designed to be dual degree programs and the student in the second year can choose a dual degree option in France or can choose to do 6 months Internship & Exchange abroad. Our B.Tech Programs also have one semester exchange abroad to create the global engineers of the future.</p>	<p>PROGRAM HIGHLIGHTS</p> <ul style="list-style-type: none"> ✔ Specializations and Expertise – Gain in-depth expertise in cutting-edge technologies like solar, wind, hydro, bioenergy, oil & gas, petroleum, power systems and nuclear power. ✔ Global Exposure: Study Abroad & International Internships – The last year of the programs includes a semester abroad and/or an internship opportunity at a prestigious international university or research institution, providing students with hands-on global experience. ✔ State-of-the-art Research & Laboratories – Work with advanced energy systems, simulation software, and high-tech labs to develop innovative energy solutions. ✔ Industry-Aligned Curriculum & Collaborations – Engage with experts from leading energy companies, participate in live projects, and gain exposure to industry best practices. ✔ Internships & Placement Support – Benefit from our strong network of industry partners, ensuring top-notch placement opportunities in renewable energy firms, power plants, research labs, policy organizations, and multinational energy corporations. <p>A GROWING FIELD WITH LIMITLESS CAREER PROSPECTS</p> <p>India is on the path to becoming a global leader in clean energy adoption, with ambitious targets like 500 GW of renewable energy by 2030 and increasing investments in nuclear power expansion. This has created a massive demand for skilled professionals in energy generation, storage, distribution, and policy-making. Graduates from our program will be well-equipped to lead projects in sustainable energy, contribute to research and innovation, and take up key roles in energy corporations, government agencies, and global sustainability initiatives.</p> <p>BE A PART OF INDIA'S ENERGY REVOLUTION</p> <p>This is more than just an academic program—it's a gateway to a transformative career. By choosing Energy Engineering Programs at GD Goenka University, you will gain not only a strong technical foundation but also an international perspective and global connections to shape the future of energy.</p> <p>EMPOWERING THE FUTURE ENERGY LEADERS FOR A SUSTAINABLE WORLD</p> <p>Join us in building a clean, efficient, and sustainable world. Your journey to becoming an energy leader starts here!</p>
---	--

Research and Capacity Building Aligned with SDG 7

GD Goenka University actively contributes to the goals of affordable and clean energy (SDG 7) through its engagement in multiple PMKVY 4.0 Green Jobs projects, funded by the National Skill Development Corporation (NSDC). These initiatives focus on skill development and vocational training in areas such as solar power installation, maintenance, and entrepreneurship, empowering youth with practical expertise in renewable energy technologies.

Through these short-term and year-long projects, faculty members and trainers at GDGU are building capacity for a cleaner energy future—promoting sustainable livelihoods, supporting national green energy goals, and fostering innovation in solar and environmental technology sectors.



Sl No	Name of the PI/ Co-PI/Name of the person holding the Chair	Title of the research project, endowments, Research Chairs	Name of the funding agency	Duration	Year of award or Sanction
1	Prasenjit Mondal	PMKVY 4.0 RPL Green Jobs-Safai Karamchari	National Skill Development Corporation	3 Months	2023-24
2	Anju Rani	PMKVY 4.0 RPL Green Jobs-Santization Expert	National Skill Development Corporation	3 Months	2023-24
3	Uzma Rukshar	PMKVY 4.0 RPL Green Jobs-Helper	National Skill Development Corporation	3 Months	2023-24
4	Anindita Roy Chowdhury	PMKVY 4.0 Special Project Green Jobs- Solar Water Heater Installer (Surya Mitra)	National Skill Development Corporation	2 months	2023-24
5	Sudipta K Mishra	PMKVY 4.0 Special Project Green Jobs- Solar Light Installer (Surya Mitra)	National Skill Development Corporation	2 months	2023-24
6	Naresh Sharma	PMKVY 4.0 Special Project Green Jobs- Solar Technician (Surya Mitra)	National Skill Development Corporation	2 months	2023-24
7	Deepika Garg	PMKVY 4.0 Special Project Green Jobs- Solar Panel Expert (Surya Mitra)	National Skill Development Corporation	2 months	2023-24
8	Shashikant Gupta	PMKVY 4.0 Special Project Electronics- CCTV Installation Technician	National Skill Development Corporation	2 months	2023-24
9	Alina Banerjee	PMKVY 4.0 Special Project Electronics- CCTV and Security Expert	National Skill Development Corporation	2 months	2023-24
10	Renu Chaudhary	PMKVY 4.0 Special Project Electronics- CCTV Repair Technician	National Skill Development Corporation	2 months	2023-24
11	Manka Sharma	PMKVY 4.0 Special Project Electronics- Wiring Technician	National Skill Development Corporation	2 months	2023-24
12	Rangoli Goyal	PMKVY 4.0 Special Project Green Jobs- Solar Photovoltaic Entrepreneur	National Skill Development Corporation	2 months	2023-24
13	Mainak Basu	PMKVY 4.0 Special Project Green Jobs- Solar Photovoltaic Assembling Expert	National Skill Development Corporation	2 months	2023-24
14	Neha	PMKVY 4.0 Special Project Green Jobs- Solar Photovoltaic Technician	National Skill Development Corporation	2 months	2023-24

15	Mir Mohsin John	PMKVY 4.0 Skill Hub Green Jobs-Safai Karamchari	National Skill Development Corporation	1 year	2023-24
16	Achyut Sharma	PMKVY 4.0 Skill Hub Green Jobs- Safai Mitra	National Skill Development Corporation	1 year	2023-24
17	Sandeep Kumar Yadav	PMKVY 4.0 Skill Hub Green Jobs-Santization Technician	National Skill Development Corporation	1 year	2023-24
18	Rajat Sharma	PMKVY 4.0 Skill Hub Green Jobs-Safety Expert	National Skill Development Corporation	1 year	2023-24

Publications

The university's faculty and researchers actively contribute to publications addressing global challenges related to sustainable energy and environmental responsibility. GD Goenka University's research outputs include policy briefs, journal articles, and case studies focusing on renewable energy technologies, energy efficiency, sustainable infrastructure, and green innovation. These scholarly contributions demonstrate the university's commitment to advancing Sustainable Development Goal 7 (SDG 7) by generating actionable knowledge that supports affordable, reliable, and clean energy solutions for a sustainable future.

SDG - 7 Affordable clean energy - Publications - 70

S.No.	Type	Title	Authors	Journal / Book	Year
1	Article	DoE based development and optimization of ion sensitive in situ nanoemulgel containing bimatoprost for sustained ocular delivery	Singh, M.; Devi, M.K.; Singh, R.P.; Monika; Jhawar, V.C.	International Journal of Biological Macromolecules	2025
2	Article • Open access	Solar ViT: Vision Transformer for Fault Detection in Solar PV Systems	Makwane, P.; Kumar, Y.; Srivastava, A.; Singh, S.; Sisodiya, V.	International Journal of Basic and Applied Sciences	2025
3	Book Chapter	Intellectual property and energy efficiency in food safety: Legal protections for innovations in India	Singh, A.; Rana, S.; Tiwari, P.; Kaushik, K.	Energy Efficient Technologies for Food Safety Quality and Security	2025
4	Book Chapter	Future Trends and Emerging Technologies of Heat Exchangers	Jana, S.; Verma, D.; Gupta, S.	Advanced Applications in Heat Exchanger Technologies AI Machine Learning and Additive Manufacturing	2025
5	Article • Open access	Optimization and Intelligent Control in Hybrid Renewable Energy Systems Incorporating Solar and Biomass	Johri, A.; Verma, V.; Basu, M.	Energy Engineering Journal of the Association of	2025

				Energy Engineering	
6	Conference Paper • Open access	Assessing the Environmental Impact of Advanced Energy Storage Solutions: A Comparative Lifecycle Analysis	Mishra, M.; Dutt, A.; Saini, N.; Srikanth, T.; Talukdar, S.	E3S Web of Conferences	2024
7	Conference Paper • Open access	Sustainable Approaches for Recycling Solar Panel Materials: A Circular Economy Perspective	Yadav, R.; Singla, A.K.; Ghalwan, M.; Vyas, A.; Karthikeyan, R.	E3S Web of Conferences	2024
8	Conference Paper • Open access	Sustainable Energy Conversion via Organic Photovoltaics: Material Selection and Evaluation	Sharma, V.; Nautiyal, M.; Saini, P.; Charyulu, V.S.; Vyas, A.	E3S Web of Conferences	2024
9	Conference Paper • Open access	Green Synthesis of Nanocomposite Catalysts for Environmental Remediation	Jain, A.K.; Prakash, S.; Bansal, S.; Satyanarayana, G.V.; Naath Mongalc, B.	E3S Web of Conferences	2024
10	Conference Paper • Open access	Optimizing Solar-Wind Hybrid Microgrid Designs with Particle Swarm Techniques for Sustainable Energy Integration	Jain, A.K.; Prakash, S.; Bansal, S.; Satyanarayana, G.V.; Mongalc, B.N.	E3S Web of Conferences	2024
11	Conference Paper • Open access	Recycling of Solar Panels: Sustainable Disposal of Photovoltaic Materials	Gera, R.; Singh, H.; Ikram, M.; Prasad Raju, V.S.; Kampani, S.	E3S Web of Conferences	2024
12	Conference Paper • Open access	Sustainable Vision-Based Navigation for Autonomous Electric Vehicle Charging	Srivastava, N.; Singh, H.; Ikram, M.; Prasad Raju, V.S.; Kampani, S.	E3S Web of Conferences	2024
13	Conference Paper • Open access	Green Synthesis of Nano catalysts for Sustainable Petrochemical Refining	Singla, T.S.; Bisht, D.; Taneja, M.; Hemalatha, K.; Talukdar, S.	E3S Web of Conferences	2024
14	Conference Paper • Open access	Sustainable Approaches for Recycling Lithium-ion Battery Materials	Gera, R.; Bhardwaj, N.; Mishr, N.; Bindu, O.S.; Sharma, P.	E3S Web of Conferences	2024
15	Conference Paper • Open access	Particle Swarm Optimization for Sizing of Solar-Wind Hybrid Microgrids	Sanduru, B.T.; Negi, A.S.; Sharma, N.K.; Kalele, G.; Vyas, A.	E3S Web of Conferences	2024
16	Conference Paper • Open access	Novel Nanocomposite Electrolytes for Sustainable Fuel Cells	Chhabra, S.; Joshi, A.; Mishra, S.; Kampani, S.; Kumar, K.	E3S Web of Conferences	2024
17	Conference Paper • Open access	Characterization of Advanced Nanomaterials for Sustainable Energy Applications	Mittal, A.; Deorari, R.; Pandey, S.; Varanasi, S.; Mongal, B.N.	E3S Web of Conferences	2024
18	Conference Paper • Open access	Sustainable Production of Polymer Matrix	Dixit, S.; Nautiyal, R.D.; Parashar, K.; Mouli, K.C.; Vyas, A.	E3S Web of Conferences	2024

		Nanocomposites for Energy Storage			
19	Conference Paper • Open access	Life Cycle Analysis of Energy Storage Technologies: A Comparative Study	Sanduru, B.T.; Dhyani, M.; Thakur, R.; Bhardwaj, N.; Talukdar, S.	E3S Web of Conferences	2024
20	Conference Paper • Open access	Fuzzy Logic-Based Energy Management in Sustainable management for Renewable Integration	Usanova, K.I.; Davu, S.R.; Pandey, S.; Deorari, R.; Vyas, A.	E3S Web of Conferences	2024
21	Conference Paper • Open access	Sustainable Synthesis of Perovskite Solar Cells Using Green Materials	Kansal, L.; Joshi, A.; Mishra, R.; Lakshmi Prasanna, J.L.; Sharma, P.	E3S Web of Conferences	2024
22	Conference Paper • Open access	Catalytic Conversion of Biomass to Biofuels using Green Nanocatalysts	Usanova, K.I.; Dhall, H.; Chandna, M.; Mouli, K.C.; Vyas, A.	E3S Web of Conferences	2024
23	Review	Earth abundant transition metal complexes as molecular water oxidation catalysts	Adnan Khan, M.; Khan, S.; Sengupta, S.; Naath Mongal, B.; Naskar, S.	Coordination Chemistry Reviews	2024
24	Conference Paper • Open access	The Economic Viability of Smart Home Investments: A Cost-Benefit Analysis	Larionova, Y.V.; Sharma, D.; Nijhawan, G.; Kumari, N.; Devi, S.	Bio Web of Conferences	2024
25	Conference Paper • Open access	Energy Efficiency Assessment in Smart Homes: A Comparative Study of Energy Efficiency Tests	Malysheva, A.A.; Rawat, B.S.; Singh, N.; Jena, P.C.; Kapil	Bio Web of Conferences	2024
26	Conference Paper • Open access	Tracing the Path to Sustainability: Domestic Electricity Consumption and Transitioning to Sustainable Energy	Chowdhury, R.R.; Sirisha, K.; Yadav, S.K.; Saxena, S.; Gupta, A.	Bio Web of Conferences	2024
27	Conference Paper • Open access	IoT in Home Automation: A Data-Driven User Behaviour Analysis and User Adoption Test	Vasilyeva, E.; Bisht, D.; Chhabra, S.; Sharma, M.; Yellanki, V.S.	Bio Web of Conferences	2024
28	Conference Paper • Open access	Enhancing Smart City Services with AI: A Field Experiment in the Context of Industry 5.0	Taskaeva, N.N.; Joshi, S.K.; Dixit, S.; Jena, P.C.; Vyas, A.	Bio Web of Conferences	2024
29	Conference Paper • Open access	Reducing Carbon Emissions: An Analysis of Smart City Initiatives	Chulyenkov, A.S.; Nautiyal, M.; Singla, A.K.; Arora, R.; Kumar, A.	Bio Web of Conferences	2024
30	Conference Paper • Open access	AI and Autonomous Systems: An Experiment in Industry 5.0 Transformation	Natalia, V.; Singh Bisht, Y.S.; Parbhakar, P.K.; Mishra, S.K.; Rajasekhar, N.	Bio Web of Conferences	2024

31	Conference Paper • Open access	Sustainability Measures: An Experimental Analysis of AI and Big Data in Industry 5.0	Vatin, N.I.; Negi, G.S.; Yellanki, V.S.; Mohan, C.; Singla, N.	Bio Web of Conferences	2024
32	Conference Paper	Blueprint for a Commercial Spaceport in the UAE	Guyen, U.; Goel, E.	Proceedings of the International Astronautical Congress (IAC)	2024
33	Conference Paper	Lunar Mining Potential for Helium 3 for Unlimited Energy	Guyen, U.; Goel, E.	Proceedings of the International Astronautical Congress (IAC)	2024
34	Article • Open access	Implementation of Impedance Type Multimode Tandem Photovoltaic DC Booster Converter for Electric Vehicles	Osman, Y.S.K.; Hemachandu, P.; Prabhu, S.; Subbiah, R.; Yogeshkumar	International Journal of Vehicle Structures and Systems	2023
35	Review	Algae-bacteria mediated treatment of wastewater: Optimal recycling and resource recovery	Dhanker, R.; Khatana, K.; Verma, K.; Kumar, R.; Mohamed, H.I.	Biocatalysis and Agricultural Biotechnology	2023
36	Article • Open access	Conjoint application of nano-urea with conventional fertilizers	Upadhyay, P.K.; Dey, A.; Singh, V.K.; Dasgupta, D.; Shukla, G.	PLOS One	2023
37	Review	Biotechnological Applications for Wastewater Treatment through Microalgae: a Review	Goyal, S.; Dhanker, R.; Hussain, T.; Kumar, K.M.; Mohamed, H.I.	Water Air and Soil Pollution	2023
38	Article • Open access	Hybrid Intuitionistic Fuzzy Entropy-SWARA-COPRAS Method for Sustainable Biomass Crop Type Selection	Mardani, A.; Devi, S.; Alrasheedi, M.A.; Singh, M.P.; Pandey, K.	Sustainability (Switzerland)	2023
39	Article	Tapered substrate thickness to enhance the performance of a piezoelectric energy harvester	Anand, A.; Kumar, M.S.	Nanomaterials and Energy	2023
40	Book	Genomics Approach to Bioremediation Principles, Tools, and Emerging Technologies	Kumar, V.; Bilal, M.Q.; Ferreira, L.F.R.; Iqbal, H.M.	Genomics to Bioremediation Principles Applications and Perspectives	2023
41	Article • Open access	A Novel Design of Hybrid Fuzzy Poisson Fractional Order PID Controller for Wind Driven PMSG	Agarwal, N.K.; Prateek, M.; Saxena, A.; Singh, G.K.	IEEE Access	2023
42	Conference Paper	PID/FO-PID Controller Implementation for the Optimal Controlling of Wind Driven PMSG	Agarwal, N.K.; Singh, N.; Saxena, A.	2nd International Conference on Edge Computing and Applications (ICECAA 2023)	2023

43	Conference Paper	Modeling and Analysis of Wind-Driven PMSG for Healthy and Unhealthy Conditions	Agarwal, N.K.; Singh, N.; Saxena, A.	Lecture Notes in Electrical Engineering	2023
44	Book Chapter	Generation of Biofuels from Rice Straw and Its Future Perspectives	Biswas, P.; Mandal, S.; Das, T.; Bursal, E.; Dey, A.	Green Approach to Alternative Fuel for a Sustainable Future	2023
45	Book Chapter	Yeast Cell Factory for Production of Biomolecules	Mittal, M.; Varshney, A.; Singh, N.; Saini, A.; Mani, I.	Biomanufacturing for Sustainable Production of Biomolecules	2023
46	Review • Open access	Advances in Algal Biomass Pretreatment and Valorisation into Biochemical and Bioenergy	Bhatia, S.K.; Ahuja, V.; Chandel, N.; Rajesh Banu, J.; Yang, Y.	Bioresource Technology	2022
47	Article • Open access	Progress in Microalgal Mediated Bioremediation Systems for Removal of Antibiotics and Pharmaceuticals	Chandel, N.; Ahuja, V.; Gurav, R.G.; Yang, Y.; Bhatia, S.K.	Science of the Total Environment	2022
48	Article	A Secure and Energy-Efficient Model for CPS Using Deep Learning Approach	Joon, D.; Chopra, K.	Journal of Theoretical and Applied Information Technology	2022
49	Review • Open access	Biological Approaches Integrating Algae and Bacteria for Wastewater Degradation—A Review	Mathew, M.M.; Khatana, K.; Vats, V.; Dahms, H.U.; Hwang, J.	Frontiers in Microbiology	2022
50	Book Chapter	Phytoremediation: A Sustainable Solution to Combat Pollution	Saxena, K.; Hussain, T.; Dhanker, R.; Jain, P.; Goyal, S.	Biotechnological Innovations for Environmental Bioremediation	2022
51	Book Chapter	Nanomaterials for Light Harvesting	Dey, S.; Talukdar, S.	Nanomaterials for Advanced Technologies	2022
52	Book Chapter	Emerging Bioremediation Strategies for Removal of Pharmaceutical Combinations in Wastewater	Kumari, S.; Singh, R.; Mohapatra, B.	Synergistic Approaches for Bioremediation of Environmental Pollutants	2022
53	Book Chapter	Metaheuristics to Aid Energy-Efficient Path Selection in Mobile Ad Hoc Networks	Mehta, D.; Zafar, S.; Biswas, S.S.; Iftexhar, N.; Khan, S.	Smart and Sustainable Approaches for Optimizing Performance of Wireless Networks	2022

54	Review	Diatoms as a Biotechnological Resource for Sustainable Biofuel Production: A State-of-the-Art Review	Dhanker, R.; Kumar, R.; Tiwari, A.; Kumar, V.	Biotechnology and Genetic Engineering Reviews	2022
55	Article • Open access	Blockchain Enabled Reparations in Smart Buildings—Cyber Physical System	Tiwari, A.; Batra, U.	Defence Science Journal	2021
56	Article • Open access	Finite Element Study of Bio-convective Stefan Blowing Ag-MgO/Water Hybrid Nanofluid	Rana, P.; Makkar, V.; Gupta, G.	Nanomaterials	2021
57	Conference Paper	A Comparative Analysis of Important Energy Conservation Approaches in IoT	Sindhu, A.; Roy, N.R.	Confluence 2021 – 11th International Conference on Cloud Computing, Data Science and Engineering	2021
58	Conference Paper	To Analyze the Comprehensive Review MPPT Techniques of Wind Driven PMSG	Agarwal, N.K.; Rani, A.; Saxena, A.	1st International Conference on Advances in Computing and Future Communication Technologies (ICACFCT 2021)	2021
59	Conference Paper	GEPSO Tuned NN MPPT Control of PV System	Yadav, A.; Rani, A.	IEEE Bombay Section Signature Conference (IBSSC 2021)	2021
60	Article	Synthesis and Photovoltaic Studies of Terpyridine-Based Ruthenium Complexes	Naath Mongal, B.; Bhattacharya, S.; Mandal, T.K.; Datta, J.; Naskar, S.	Journal of Coordination Chemistry	2021
61	Article	Electrocatalytic Hydrogen Production and CO ₂ Conversion by Earth-Abundant Metal Complexes	Sengupta, S.; Khan, S.; Naath Mongal, B.; Chattopadhyay, S.K.; Naskar, S.	Polyhedron	2020
62	Book Chapter	Constructed Wetland: A Green Technology for Wastewater Treatment	Choudhary, A.K.; Kumar, P.	Environmental Microbiology and Biotechnology (Vol. 1)	2020
63	Article	Route Aggregation Approach—An Efficacious Technique for Energy Enrichment	Zafar, S.; Mehta, D.	Recent Patents on Engineering	2020
64	Conference Paper	Estimation of Optimum Number of Clusters in WSN	Roy, N.R.; Chandra, P.	Advances in Intelligent Systems and Computing	2020

65	Conference Paper	A Comprehensive Review of Traditional and Smart MPPT Techniques in PMSG-Based Wind Energy	Kumari, B.; Aggarwal, M.	International Conference on Power Electronics Control and Automation (ICPECA 2019)	2019
66	Article • Open access	Irrigation in Hilly Areas by Capillary Lift	Dangwal, K.K.; Aggarwal, M.	International Journal of Innovative Technology and Exploring Engineering	2019
67	Article • Open access	Irrigation Using Natural Energy Sources	Dangwal, K.K.; Aggarwal, M.	International Journal of Recent Technology and Engineering	2019
68	Article	Risk Incorporation into the Capital Budgeting Process of Solar Power Plants	Jha, A.; Arora, S.	International Journal of Recent Technology and Engineering	2019
69	Conference Paper	EEDAC-WSN: Energy Efficient Data Aggregation in Clustered WSN	Roy, N.R.; Chandra, P.	International Conference on Automation Computational and Technology Management (ICACTM 2019)	2019
70	Conference Paper	Fused Converter Topology for Wind-Solar Hybrid Systems	Saha, T.; Kakkar, S.; Jha, D.K.	Asia Pacific Power and Energy Engineering Conference (APPEEC)	2013

Impact and Way Forward (SDG 7)

GD Goenka University's initiatives in sustainable energy education have significantly contributed to advancing awareness, research, and innovation in the field of clean energy. Through specialized academic programs, workshops, and industry collaborations, students gain both theoretical knowledge and practical skills in renewable energy technologies, energy management, and sustainability practices. The university's focus on experiential learning and interdisciplinary education fosters innovation and environmental responsibility among its student community.

Looking ahead, GDGU aims to further strengthen its contribution to SDG 7 by expanding research in renewable energy, enhancing partnerships with clean-tech industries and government bodies, and integrating green technologies into campus operations. By advancing these strategies, the university remains committed to promoting affordable, reliable, and sustainable energy solutions while preparing students to lead global energy transitions toward a cleaner future.

8 DECENT WORK AND ECONOMIC GROWTH



SDG 8: Decent Work & Economic Growth

GD Goenka University – Sustainability Initiatives and Achievements

1. Introduction

GD Goenka University was established in 2013 under the vision of Shri A.K. Goenka, GD Goenka University (GDGU) is a leading state private university located on a 60-acre campus at Sohna, Gurugram, Haryana. Guided by the GD Goenka Group's legacy of excellence in education, the University has quickly emerged as a centre for innovation, entrepreneurship, and professional development in India's higher education landscape. GD Goenka University offers a comprehensive range of undergraduate, postgraduate, and doctoral programmes across diverse disciplines including Engineering & Sciences, Management, Law, Liberal Arts & Social Sciences, Healthcare & Allied Sciences, Hospitality & Tourism, Agricultural Sciences, and Design. Recognized by the University Grants Commission (UGC) and affiliated with professional bodies such as the Bar Council of India (BCI) and the Indian Council of Agricultural Research (ICAR), GDGU ensures academic rigour aligned with global standards.

2. GD Goenka University Initiatives

a) Skill-based learning, entrepreneurship education, and employability-driven programs

In alignment with the United Nations Sustainable Development Goal 8 — “Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all” — the University integrates skill-based learning, entrepreneurship education, and employability-driven programs into its curriculum. Through industry partnerships, internships, innovation hubs, and its Centre for Entrepreneurship and Innovation, GDGU fosters an ecosystem that nurtures creativity, economic resilience, and job readiness.

The University also conducts career counselling, start-up mentoring, and capacity-building initiatives to bridge the gap between academia and industry. Students gain hands-on experience through collaborative projects, live case studies, and research that addresses real-world challenges preparing them for leadership in a rapidly evolving global economy.

With modern infrastructure, a Wi-Fi-enabled green campus, international collaborations, and a strong emphasis on holistic development, GD Goenka University continues to advance education that not only drives employability but also supports inclusive and sustainable economic growth. By empowering students with



future-ready skills and values, GDGU remains committed to contributing meaningfully to SDG 8 at the local, national, and global levels.

GD Goenka University believes that true economic growth must be inclusive, sustainable, and beneficial to all. The University promotes dignified employment, fair work practices, and innovation that supports long-term development without harming the environment. In alignment with SDG 8, GDGU integrates entrepreneurship, skill development, and industry-linked programs that enhance employability and foster decent work opportunities. Through its academic and outreach initiatives, the University contributes to building a workforce that drives sustainable and equitable economic progress.



b) Empowering Students with Practical Skills and Entrepreneurial Mindset

GD Goenka University (GDGU) integrates skill-based and experiential learning across its academic programs to prepare students for evolving global industries. Through its Innovation and Incubation Centre, the university nurtures an entrepreneurial mindset, encouraging students to create sustainable business models that generate employment and drive inclusive economic growth.



GD Goenka University Affiliations – Skill Trainings






Hunar Se Rozgar Tak



पर्यटन मंत्रालय
MINISTRY OF TOURISM

PMKVY 2.0, 3.0, 4.0



कौशल विकास और उद्यमशीलता मंत्रालय
MINISTRY OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP



foSTaC
Food Safety Training & Certification

foSTaC committed to build a culture of self compliance



Office of the Principal Scientific Adviser to the Government of India





SCGJ
SKILL COUNCIL FOR GREEN JOBS
ISO 9001:2015 CERTIFIED



IASC
SECTOR SKILL COUNCIL



THSC
TOURISM & HOSPITALITY SKILL COUNCIL



MEPSC
Management & Entrepreneurship and Professional Skills Council



FICSI
Food Industry Capacity and Skill Initiative



LSSSDC



CII
Confederation of Indian Industry



IBM



KPMG



rexroth
A Bosch Company



AIMA
ALL INDIA MANAGEMENT ASSOCIATION

GD Goenka University Corporate Partners – (Skill Development & RPL)








HAVELLS



WELSPUN



BOSCH



ICICI Foundation
FOR INCLUSIVE GROWTH



JINDAL
STEEL & POWER



Crompton





JSW



PARAS
HEALTH



GOENKA
fresh

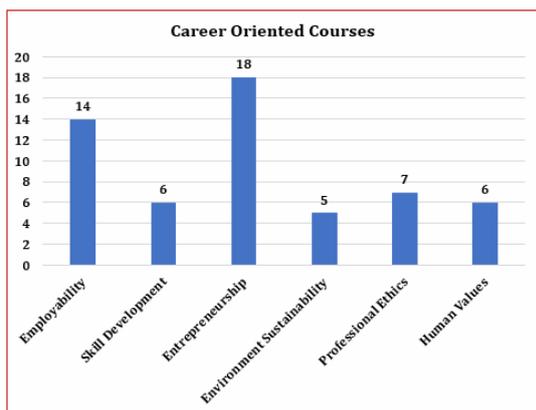


Number of SMEs Sector-wise available

Sector	SMEs
Agriculture	5
Media & Entertainment	4
IT & ITS	2
Healthcare	8
Apparel	8
Tourism & Hospitality	15
Electronics & Hardware	5
Logistic	2
Retail	2
Automotive	2
Power	2
Sports	4
Beauty & Wellness	5
Construction	6
Telecom	4
BFSI	2
Green Jobs	20
Food Processing	5
Total	101

c) Education for Empowerment

Courses with focus on Employability, Entrepreneurship, Skill Development, Professional ethics and Human Values



<https://gdgoenkauniversity.com/pdf/1.3.1.b-1.3.1-Course-Templates-of-allprograms.pdf>

Course Name	Nature of Courses
AGR 2066:Agribusiness Management	Employability
AGR 2068: Commercial Plant Breeding	Employability
AGR 4553: Seed Production and Technology	Entrepreneurship
AGR 4556: Commercial Beekeeping	Entrepreneurship
AGR4555:Soil, Plant, Water and Seed Testing	Skill development
AGR 4554:Mushroom Cultivation Technology	Skill development
AGR2057: Environmental Studies and Disaster Management	Environment Sustainability
AGR 3053:Pests of Crops and Stored Grain and their Management	Environment Sustainability
COM 1008:Comprehension and Communication Skills in English	Professional ethics
VAL1724: Human Value & Ethics	Human Values



d) Promoting Ethical and Sustainable Employment

The university emphasizes integrity, inclusivity, and sustainability in all aspects of learning and professional development. By fostering awareness about ethical work practices and environmental responsibility, GDGU ensures its graduates contribute positively to organizations that value fairness, diversity, and sustainable growth.

e) Industry Partnerships for Enhanced Employability

GDGU collaborates extensively with leading industries, start-ups, and government bodies to provide students with internships, live projects, and professional training. These collaborations enhance employability by connecting academic knowledge with real-world experience—helping students gain practical insights into decent and productive work environments



Our Training Partners (RAWE)



f) Supporting Community and Regional Economic Development

Through outreach programs, vocational training, and skill development initiatives, GD Goenka University extends its contribution beyond the campus. The university supports local communities by promoting entrepreneurship, innovation, and small-scale development projects that create employment and improve livelihoods in surrounding regions.



g) Nurturing Innovation for Future-Ready Careers

GDGU emphasizes research and innovation as key drivers of sustainable economic progress. By offering programs in emerging domains such as Artificial Intelligence, Renewable Energy, Business Analytics, and Design Thinking, the university prepares students to lead in future industries and contribute to sustainable, inclusive economic advancement.

Centres of Excellence @SoES

1. Centre of Excellence Occupational Health, Safety, Fire and Environment (C-OHSFE)
2. Centre of Excellence Industry 4.0 in Association with BOSCH
3. AVISHKAR Centre of Innovation and Incubation
4. Centre of Excellence in Aerospace Engineering and Energy Systems



h) Centre of Excellence Occupational Health, Safety, Fire and Environment (C-OHSFE)



Centre of Excellence in Aerospace Engineering and Energy Systems



Flow Visualization over LCA model in Wind Tunnel

www.gdgoenkauniversity.com



Student Building and Flying RC Aircraft in Aero Modelling workshop, Apr 9, 2024



Image captured during Observation Night
a) Jupiter and its moons b) Moon Craters



Hot Fire test of Rocket Motor in Expanse Rocket Lab



Influencing Legislation and Promoting Awareness of Environmental, Health, and Safety Issues Requires a Proactive and Resource Intensive Approach Feb 5, 2024

www.gdgoenkauniversity.com



Fire Drills, Awareness Program on Fire, Health Safety

Centre of Excellence Industry 4.0 in Association with BOSCH



Design & Development of Machine Control Unit For Eight DC Motor Actuation
www.gdgoenkauniversity.com

Summer Internship & Skill Development

AVISHKAR Centre of Innovation and Incubation

VISION: Enabling our students in creative thinking, implementing unique Ideas, building entrepreneurial enterprises to help in job creation and serve for betterment of humankind with amazing products and experiences.

- Promotes Entrepreneurship
- Student Driven
- Motivational and Engaging Events
- Design Thinking
- Events, Hackathons

Awareness and Motivation



- I & E Workshops & Camps
- Technology Entrepreneurship Development Program (TEDP)
- Faculty Entrepreneurship Development Program (FEDP)
- Women Entrepreneurship Development Program (WEDP)

Innovation and Technology



- Memberships
- Funding for Prototype Development
- Space – 10000 Sqft
- Participation in Startup events

Prototype Development



- Startup Mela and Sangams
- Getting Sponsored Projects
- Govt. Aided Schemes

Business Incubator



www.gdgoenkauniversity.com



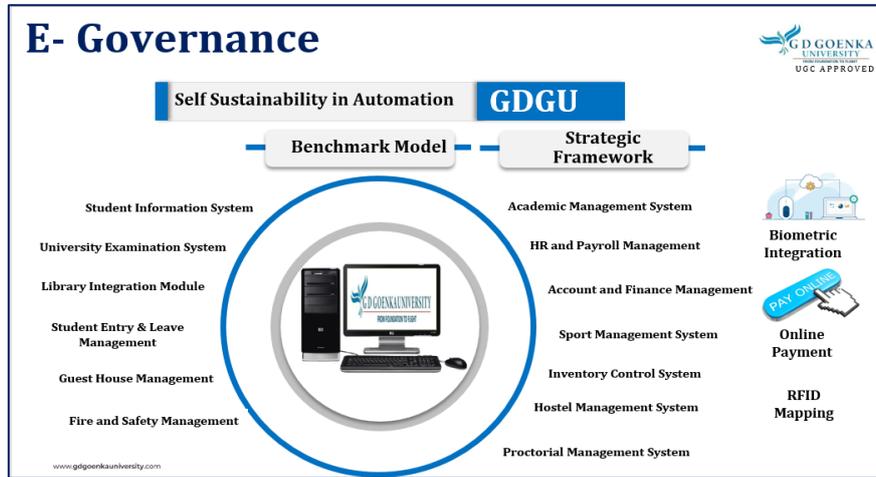
Employment Policy on Modern Slavery

GD Goenka University upholds international labour standards by maintaining a zero-tolerance policy against forced labour, child labour, and human trafficking. The university's ethical employment framework ensures transparency and dignity in all work practices, supporting SDG 8's mission of decent work for all.

Employment Practice: Equivalent Rights in Outsourcing & Appeal Process

GDGU ensures that all outsourced or contractual staff enjoy fair and equitable working conditions comparable to full-time employees. In addition, a transparent appeal and grievance redressal process enables employees to raise concerns regarding pay, conditions, or rights—promoting fairness, accountability, and trust within the institution.





Alignment with SDG 8 Targets

Through these initiatives, GD Goenka University directly contributes to SDG 8 targets 8.3 and 8.5, which promote productive employment, entrepreneurship, and equal pay for work of equal value. The university’s focus on innovation, industry partnership, and ethical labour practices demonstrates its ongoing commitment to fostering sustainable economic growth and decent work for all.

Employment Policy: Pay Scale Equity

GD Goenka University upholds principles of fairness and transparency in its employment practices by ensuring equity in pay scales across all levels. The University actively monitors and addresses any gender-based pay disparities to promote equality and inclusivity in remuneration. This commitment fosters motivation, employee well-being, and alignment with global standards of workplace equality. Through these initiatives, GDGU supports SDG 8 by cultivating an organizational culture rooted in equity, ethics, and sustainable growth, contributing to both institutional progress and global development goals.

Performance Appraisal & Staff Welfare Measures



Skill Development and Vocational Training Programs

In alignment with Sustainable Development Goal 8 (Decent Work and Economic Growth), GD Goenka University emphasizes capacity building, vocational education, and professional skill development to prepare youth for meaningful employment. The University's Centre for Innovation and Incubation and Corporate Resource Centre (CRC) conduct continuous training programs, career development workshops, and industry-led certification courses to equip students with employable and entrepreneurial skills.

Best Practice 1
Circularity & Sustainability through Design

LOOP.ed
A conclave on responsible consumption and production in design.

Best Practice 2
Traditional Craft & Design Connect

Shilpataru
Discover Design in India to safeguard our cultural and natural heritage.

36

Design Pedagogy How?

National Experiential Learning

Kutch, Arunachal Pradesh, Nagaland, Ranthambore, Kerala, Mumbai, etc.

Immersion Trips

Fibre to fabric the actual way Bhujedi, Bhuj, Gujarat

2023

March 2023

46

3. Partnerships for Inclusive Growth

a) Industry Collaboration and Employment-Oriented Learning:

GDGU maintains strong partnerships with industry leaders such as Microsoft, TCS iON, Infosys Springboard, Amazon Web Services, Siemens, and IBM, among others. These collaborations facilitate professional training, internships, and exposure to real-world technologies—ensuring that graduates are industry-ready and capable of contributing to sustainable economic growth.

Programs Offered with Industrial Collaboration

S.No.	Program	Industry Collaboration
1.	Bachelor of Technology (Civil Engineering)	L&T EduTech
2.	Bachelor of Technology (Computer Science and Engineering)	IBM India Pvt. Ltd. & Red Hat Academy
3.	Bachelor of Technology (Electronics and Communication Engineering)	Rexroth – A BOSCH Company
4.	Bachelor of Computer Applications	Cloudthat Technologies Pvt. Ltd. - Microsoft Solution Partner
5.	Bachelor of Technology (Aerospace Engineering)	Expance Cosmos Pvt. Ltd.
6.	Bachelor of Technology (Fire and Safety Engineering)	Vision 360, New Delhi Central Pulp & paper Research Institute, Saharanpur
7.	Master of Technology (Health, Safety and Environment)	Northstar Safety Systems Pvt. Ltd The Climate Project Foundation, New Delhi



Name of the Institute/ Organization	Date of MoU Signed	Activities
1. <u>Plantica India Foundation, Uttarakhand</u>	03.06.2024	Educational Tour/RAWE/AIA
2. <u>KVK, Gyaba, West Sikkim</u>	08.05.2024	Educational Tour/RAWE/AIA
3. <u>Bee Natural Farm, Palam Vihar, Gurugram</u>	11.03.2024	Establishment of honey Production unit and ELP student activities in GDGU
4. <u>Sameer Poultry Farm, Haryana, India</u>	19.03.2024	Establishment of Poultry unit and ELP student activities in GDGU
5. <u>Vidya Bhawan Krishi Vigyan Kendra, Badgaon, Udaipur</u>	09.08.2023	Educational Tour/RAWE/AIA
6. <u>ICAR-National Bureau of Plant Genetic Resources</u>	03.07.2021	Expert talk/Educational Tour/ Trainings

www.gdgoenkauniversity.com



PTC lab at ICAR-NBPGR



AIA component of RAWE



Industrial Engagement

School of Engineering & Sciences

G D GOENKA UNIVERSITY
UGC APPROVED



Inaugural – Robotics Centre of Excellence in association with SakRobotix, Oct 14, 2021



SAEINDIA Collegiate Club, Nov 22, 2021



Workshop by Learning Links Foundation, Sept 3, 2022



Enhancing Workplace Safety: Northstar Safety Systems, Sept 28, 2023



Expert Talk by Industry Partners IBM and LARSEN and TOUBRO, Sept 12, 2023



IBM ICE DAY Celebration, Jan 17-8- 2023

b) Entrepreneurship, Incubation and Innovation Support

GD Goenka University promotes a dynamic culture of innovation and entrepreneurship through its Centre for Innovation and Incubation (GII) and Entrepreneurship Development Cell (EDC). These platforms provide mentorship, seed funding, and incubation support to students and alumni, enabling them to transform ideas into viable business ventures.

The university collaborates with industry partners, government agencies, and corporate mentors to nurture startups in emerging fields such as technology, sustainability, design, and renewable energy. Through innovation challenges, workshops, and accelerator programs, GD Goenka University fosters entrepreneurial thinking, job creation, and sustainable economic development in alignment with Sustainable Development Goals 8 and 9.

Innovation Ecosystem



Notable Achievement

Ms. Shweta Kamboj

**2nd Year. M Pharmacy
Won Cash Prize Rs. 10000 & Trophy at
Anveshna 2025 for her innovative
research work**

**“Biodegradable baby diapers using eco-
friendly materials”**

Innovation & Incubation: Start ups

Vertical Roof Top Landscaping
 Date of registration: 4 November 2023
 Registration No: U01619HR2023PTC114639



Organic Vermicomposting
 Date of registration: 4 October 2023
 Registration No: Awaiting

Organic Vermicomposting
 Date of registration: 4 Nov 2018
 Registration No: BRN8005220049000526



STARTUPS/Star Alumni



Adarsh Singh
 Batch 2019-23
 (Mechanical Engg)
 Founder & C.O.O. - Aspirant Learning, Life Skills and Soft Skills Coach, Harvard Act2Impact Winner, Convenor - International Sustainability Movement



Dev Kartik
 Batch 2017-21 (CSE)
 Co-Founder, Wilyer
 |Innovating Digital Signage Solutions



Amit Dagar
 Batch 2018-21 (MCA)
 Co Founder & CTO
 Wilyer
 Digital Market Solution



Pranav Suri
 Batch 2014-2018 (CSE)
 Co-founder of kaksha.ai
 an AI startup that aims to personalize online education



c) Community Skill and Livelihood Development

Extending its efforts beyond campus, GD Goenka University organizes outreach and vocational programs for nearby communities, focusing on digital literacy, green skills, and sustainable business practices. These initiatives empower youth and local entrepreneurs with practical skills to improve their livelihoods, fostering inclusive and sustainable regional development.



Hands-on activities for Environmental Awareness at Community Centre, Bhondsi, Gurugram, Aug 21, 2023

4. Research and Publications

a) Research and Capacity Building

GD Goenka University fosters a strong research culture that promotes innovation, interdisciplinary collaboration, and knowledge creation. The university emphasizes capacity building through faculty development programs, research workshops, and industry collaborations, enhancing academic excellence and practical expertise. By integrating research with skill development and innovation, GD Goenka University strengthens its contribution to sustainable economic growth and aligns with the objectives of Sustainable Development Goal 8.

Research Governing Body-URIC



March 03, 2015

OFFICE ORDER - 28.A

The Hon'ble Vice Chancellor hereby constitutes the University Research & Innovation Council (URIC) of the GD Goenka University (GDGU) as:

- | | | |
|---|---|--------------------------|
| 1 | Dr. Raj Singh
Vice Chancellor, GDGU | Chairperson (ex-officio) |
| 2 | Dr. Anamendra Paul
Editor, University News AUJ | External Expert |
| 3 | Dr. Anjali Mehta Sharma
Program Director, PhD Program, UPES | External Expert |
| 4 | Dr. Deependra Kumar Jha
Dean Academics, and Dean School of Engineering | Member |
| 5 | Dr. Subhash C Gupta
Dean School of Law | Member |
| 6 | Dr. Kakoli Sen
Associate Dean School of Humanities & Social Sciences | Member |
| 7 | Dr. Pradeep Kumar Gupta
Dean, School of Management | Member |
| 8 | Dr. Nitesh Bansal
Registrar, GDGU | Member Secretary |

The URIC will have a tenure of Two Years from the date of issue.

Dr. Nitesh Bansal
Registrar, GDGU



To:

- Office of the Vice Chancellor, GDGU
- Office of the Registrar, GDGU
- All the committee members

[f](https://www.facebook.com/gdgoenkauniversity) [t](https://www.twitter.com/gdgoenkauniversity) [in](https://www.linkedin.com/company/gdgoenkauniversity) /gdgoenkauniversity

GD Goenka University | GD Goenka Education City, Gurugram Sohna Road, Haryana-122001 INDIA
Contact: +91-9871000345-4855 | Email: registrar@gdgu.org | Website: www.gdgoenkauniversity.com

Sponsored Research Project

2023-24
141.53 Lakhs

2022-23
147.79
Lakhs

2021-22
235.36
Lakhs

2020-21
28.87
Lakhs

2019-20
216.42
Lakhs

Awards and Recognitions in Research



Prof. Naresh Sharma, SOES by MSME, 2023



Dr. Parvesh Lata, SoLA - ICERT, 2024 (India & USA)



Women Scientist Award to Dr. Meenakshi, SOAS, 2023 by SSDAT



Young Scientist Award to Dr. Vikas Jhawar, SOHAS, 2023 by Maharishi Markandeshwar University



Research Activities @ SoES



International Conference - ICSCC 2020 in collaboration with Arizona State University, Feb 7-8, 2020



Workshop on Intellectual Property Rights, Dec 28, 2021



International Conference on Multidisciplinary Approaches in Forensic Science, Dec 13-14, 2022



World Environment Day, June 5, 2023



Engineer's Day Celebration, Sept 15, 2023



National Science Day, Feb 28, 2024



Research Facilities for Research and Training



Propulsion Lab



Centre of Excellence (BOSCH) Industry 4.0



Mechanical Workshop



Apple - iMac Lab

www.gdgoenkauniversity.com



Kalpana Chawla Aeromodelling Lab



Wind Tunnel





b) Publications

The faculty and researchers of GD Goenka University actively contribute to publications that explore global and regional challenges related to economic growth, employment generation, entrepreneurship, and sustainable business development. The university’s research outputs include policy papers, journal articles, and case studies focusing on innovation-led growth, inclusive labour markets, responsible corporate practices, and emerging economic models that promote equitable development.

These scholarly works emphasize the importance of ethical employment practices, women’s participation in the workforce, digital entrepreneurship, and skill-based education—key components of sustainable and inclusive economic growth. Through this research, GD Goenka University reinforces its commitment to Sustainable Development Goal 8 (SDG 8) by producing actionable knowledge that informs policy, empowers communities, and fosters decent work and economic opportunities for all.

SDG 8 – Decent work and economic growth - Publications – 56

S.No.	Type	Title	Authors	Journal / Book	Year
1	Article	Pythagorean fuzzy decision-making framework for assessing the alternative strategies in urban mobility with digital carbon footprint	Devi, S.; Kumari, R.	Journal of Ambient Intelligence and Humanized Computing	2025
2	Article • Open access	Faculty transformation for enhanced student learning: A structural equation modelling study on responsible management education in India	Banerji, B.; Girija, S.; Sharma, D.R.; Batra, N.; Sriramneni, C.	Journal of University Teaching and Learning Practice	2025



3	Article • Open access	Solar ViT: Vision Transformer for Fault Detection in Solar PV Systems	Makwane, P.; Kumar, Y.; Srivastava, A.; ...; Singh, S.; Sisodiya, V.	International Journal of Basic and Applied Sciences	2025
4	Book Chapter	Industrial Application of Bio-nanomaterials in Agriculture	Pandey, V.; Sharma, A.; Kumar, D.; Samadhiya, N.; Tomar, S.S.	Bio Nanomaterials in Environmental Remediation: Industrial Applications	2025
5	Article	Unraveling the nexus between crop residue burning and air quality in Haryana state, India	Neelam, N.; Rathee, R.K.; Mishra, S.K.	Paddy and Water Environment	2025
6	Article	Influence of cultural norms on the career progression of women executives in India	Bhaskaran, S.; Chopra, K.; Burrow, L.	Journal of Management Development	2025
7	Book Chapter	Mapping Ethical Values onto Sustainable Tourism: A Bibliometric Perspective	Sharma, M.; Wadhwa, S.; Sharma, A.; Masih, J.	Studies in Systems Decision and Control	2025
8	Article	Taught, Told or Taboo: Role of 'Family' in Financial Socialisation Among Transgender Youth	Girija, S.; Banerji, B.; Agrawal, G.; Chaudhuri, S.; Ahuja, G.	International Social Science Journal	2025
9	Article	Heritage tourism: authenticity vs sustainability in living museums	Agrawal, G.; Girija, S.; Banerji, B.; Wadera, D.; Mehrotra, V.	Journal of Tourism and Cultural Change	2025
10	Book Chapter	Bringing Inclusivity for the Differently Aabled Through Leadership and Innovation in Higher Educational Institutes: The Educationists' Perspective	Saini, K.; Khan, N.; Khaliq, F.	Leadership Paradigms and the Impact of Technology	2025
11	Book Chapter	Genetics and breeding approach of mitigation of abiotic stress in underground vegetable crops	Negi, H.; Bhatt, A.; Roy, D.; ...; Thakur, A.K.; Singh, R.V.	Abiotic Stress in Underground Vegetables: Response and Mitigation	2025
12	Article	Does wellbeing impact the employee moonlighting and their intentions to quit the organisation? Analysing the mediating role of employee engagement	Sisodia, S.; Jan, S.	International Journal of Management Practice	2025

13	Book Chapter	Empowering change through the transformative impact of women green entrepreneurs on our sustainable future	Ahmed, N.	Empowering Women Through Rural Sustainable Development and Entrepreneurship	2024
14	Book Chapter	Empowering women in India through innovative incubators and accelerators for energy entrepreneurship	Ahmed, N.	University Incubators and their Role in the Entrepreneurial Ecosystem	2024
15	Book Chapter	Balancing objectives: Discovering the unified threads of environmental sustainability and employee engagement	Khan, N.; Khalique, F.; Sarna, S.; Saini, K.	Intersecting Human Resource Management and Organizational Culture for Environmental Sustainability	2024
16	Book Chapter	Emerging technologies for sustainable soil management and precision farming	Singh, A.; Tomar, B.; Margaryan, G.H.; ...; Singh, O.; Ghazaryan, K.A.	Nanotechnology Applications and Innovations for Improved Soil Health	2024
17	Conference Paper • Open access	Recycling of Solar Panels: Sustainable Disposal of Photovoltaic Materials	Gera, R.; Singh, H.; Ikram, M.; ...; Prasad Raju, V.S.; Kampani, S.	E3S Web of Conferences	2024
18	Conference Paper • Open access	Green Synthesis of Nano catalysts for Sustainable Petrochemical Refining	Singla, T.S.; Bisht, D.; Taneja, M.; ...; Hemalatha, K.; Talukdar, S.	E3S Web of Conferences	2024
19	Article	Groundwater Resilience in Rice-Growing Regions: Utilizing GRACE Data for Sustainable Water Management	Neelam; Rathee, R.K.; Mishra, S.K.; Kumar, A.	Water and Energy International	2024
20	Conference Paper • Open access	Life Cycle Analysis of Energy Storage Technologies: A Comparative Study	Sanduru, B.T.; Dhyan, M.; Thakur, R.; ...; Bhardwaj, N.; Talukdar, S.	E3S Web of Conferences	2024
21	Book Chapter	Nanotechnology solutions for sustainable pest and disease control for sustainable agriculture and food security	Singh, P.K.; Tomar, B.; Patle, T.; ...; Tomar, S.S.; Singh, D.	Harnessing Nanoomics and Nanozymes for Sustainable Agriculture	2024
22	Book Chapter	Nanotechnology and agricultural sustainability:	Kumari, M.; Tomar, B.; Singh, P.K.; ...;	Harnessing Nanoomics and Nanozymes for	2024

		Environmental impacts and benefits	Patle, T.; Parihar, S.S.	Sustainable Agriculture	
23	Book Chapter	Advanced and intelligent nanofertilizer base soil management for sustainable agriculture	Tomar, B.; Tomar, S.S.; Parihar, S.S.; ...; Patel, H.; Singh, P.K.	Sustainable Agriculture: Nanotechnology and Biotechnology for Crop Production and Protection	2024
24	Review • Open access	Pesticides impacts on human health and the environment with their mechanisms of action and possible countermeasures	Ahmad, M.F.; Ahmad, F.A.; A Alsayegh, A.A.; ...; Abdelrahman, M.H.; Hussain, S.	Heliyon	2024
25	Conference Paper • Open access	Precision Agriculture and Sustainable Yields: Insights from IoT-Driven Farming and the Precision Agriculture Test	Vatin, N.I.; Joshi, S.K.; Acharya, P.; Sharma, R.; Rajasekhar, N.	Bio Web of Conferences	2024
26	Conference Paper • Open access	Quantifying the Impact of Digital Transformation on Economic Growth: A Longitudinal Analysis	Lukmanova, I.G.; Saini, N.; Singh, P.P.; Mohan, C.; Kumar, Y.	Bio Web of Conferences	2024
27	Conference Paper	Blueprint for a Commercial Spaceport in the United Arab Emirates: A Springboard for Innovation and Economic Growth in the Space Industry	Guyen, U.; Goel, E.	Proceedings of the International Astronautical Congress (IAC)	2024
28	Article	Interplay Between Financial Literacy, Firm's Characteristics, Behavioural Biases and Investment Choices—A Conditional Mediation Model	Bhatia, M.; Arora, R.; Mehrotra, V.	Global Business Review	2024
29	Book Chapter	Impact of nanotoxicity in soil microbiome and its remedial approach	Pandey, B.K.; Jha, S.; Jha, G.; ...; Shukla, S.K.; Dikshit, A.	Microbiome Based Decontamination of Environmental Pollutants	2024
30	Article • Open access	Role of Artificial Intelligence in case of Micro Enterprises and Tribal Entrepreneurships for Sustainable Economic Development	Sahoo, D.R.; Teena	EAI Endorsed Transactions on Scalable Information Systems	2024

31	Book Chapter	Agronomic Strategies for Enhancing Forest Resilience to Climate Change	Kumar, D.; Pandey, V.; Dixit, S.	Forests and Climate Change: Biological Perspectives on Impact, Adaptation and Mitigation Strategies	2024
32	Book Chapter	Biotechnology and Genomics Exploration of Halotolerant Microbes: Application for Improving the Fertility of Saline Soil	Kumari, S.; Mohapatra, B.	Extremophiles for Sustainable Agriculture and Soil Health Improvement	2024
33	Conference Paper	Lunar Mining Potential for Helium 3 for Unlimited Energy on the Moon and Earth	Guyen, U.; Goel, E.	Proceedings of the International Astronautical Congress (IAC)	2024
34	Book Chapter	A theory-based approach to understanding social sustainability in tourism	Bhartiya, S.P.; Bhatt, V.; Rathore, A.H.; Khanam, T.	Implementing Sustainable Development Goals in the Service Sector	2023
35	Book Chapter	Entrepreneurial intensity and strategic entrepreneurship: An empirical investigation of women entrepreneurs	Sisodia, S.; Jan, S.	Handbook of Research on Designing Sustainable Strategies to Develop Entrepreneurial Intention	2023
36	Book Chapter	Forage cropping under climate smart farming: A promising tool to ameliorate salinity threat in soils	Sathyanarayana, E.; Kumar, B.P.; Tirunagari, R.; ...; Teja, K.C.; Thallapally, S.	Molecular Interventions for Developing Climate Smart Crops: A Forage Perspective	2023
37	Article	Assessment of Climate Change Anxiety and Behavioural Action among Youth in India	Dangwal, A.; Kaul, S.	Youth Voice Journal	2023
38	Article • Open access	Unveiling the combined effect of nano fertilizers and conventional fertilizers on crop productivity, profitability, and soil well-being	Upadhyay, P.K.; Singh, V.K.; Rajanna, G.A.; ...; Dash, S.; Rawat, S.	Frontiers in Sustainable Food Systems	2023
39	Book Chapter	Generation of biofuels from rice straw and its future perspectives	Biswas, P.; Mandal, S.; Das, T.; ...; Bursal, E.; Dey, A.	Green Approach to Alternative Fuel for A Sustainable Future	2023
40	Article	Strategic entrepreneurship in light of entrepreneurial and strategic orientations: A case	Jan, S.; Anwar, A.	Journal of Public Affairs	2022

		of women entrepreneurs of Jammu and Kashmir in India			
41	Review • Open access	Biological Approaches Integrating Algae and Bacteria for the Degradation of Wastewater Contaminants—A Review	Mathew, M.M.; Khatana, K.; Vats, V.; ...; Dahms, H.U.; Hwang, J.	Frontiers in Microbiology	2022
42	Article • Open access	Integrated Climate Action Planning (ICLAP) in Asia-Pacific Cities: Analytical Modelling for Collaborative Decision Making	Sethi, M.; Liu, L.; Ayaragarnchanakul, E.; ...; Surjan, A.K.; Mittal, S.	Atmosphere	2022
43	Book Chapter	Microbial Community Composition and Functions in Activated Sludge Treatment System	Dey, S.; Anand, U.; Bhattacharya, S.; Kumar, V.; Dey, A.	Omics Insights in Environmental Bioremediation	2022
44	Book Chapter	Contamination and impacts of metals and metalloids on agro-environment	Jha, S.; Singh, R.; Jha, G.; Singh, P.; Dikshit, A.	Metals and Metalloids in Soil Plant Water Systems: Phytophysiology and Remediation Techniques	2022
45	Book Chapter	Breeding Efforts for Crop Productivity in Abiotic Stress Environment	Choudhary, J.R.; Get, S.; Tripathi, A.; ...; Zaid, A.; Wani, S.H.	Augmenting Crop Productivity in Stress Environment	2022
46	Book Chapter	Overview of Soil Fertility from Past To Present	Sathyanarayana, E.; Bharghavi, J.; Saranya, S.; ...; Sunita, K.; Jatav, H.S.	Ecosystem Services: Types, Management and Benefits	2022
47	Article	Fingertips: how women entrepreneurs are reshaping the beauty and wellness business in India	Chakraborti, J.; Dasgupta, M.; Jana, B.	Emerald Emerging Markets Case Studies	2022
48	Article • Open access	How to tackle complexity in urban climate resilience? Negotiating climate science, adaptation and multi-level governance in India	Sethi, M.; Sharma, R.; Mohapatra, S.; Mittal, S.	PLOS ONE	2021
49	Article	Farmers' Perception, Adaptation to Groundwater Salinity, and Climate Change	Mitra, S.; Mehta, P.K.; Mishra, S.K.	Weather, Climate and Society	2021

		Vulnerability: Insights from North India			
50	Book Chapter	Bacterial community response to pesticides polluted soil	Dhanker, R.; Goyal, S.; Kumar, K.M.; Hussain, T.	Recent Advancement in Microbial Biotechnology: Agricultural and Industrial Approach	2021
51	Conference Paper	Can organic products be sustainable in present business environment?	Alam, A.; Jamal Mahmood, S.M.	Proceedings of the International Conference on Industrial Engineering and Operations Management	2021
52	Review	Importance of senior housing societies after retirement and its development in India: A review	Chaturvedi, A.; Agrawal, A.	International Journal of Scientific and Technology Research	2020
53	Article	Nature tourism in Garhwal Himalaya: Analyzing the local stakeholders' perception of the benefits of the tourism Industry	Bhatt, V.; Bhartiya, S.P.	African Journal of Hospitality, Tourism and Leisure	2020
54	Book Chapter	Sustainable crop production and improvement through bio-prospecting of fungi	Haris, M.; Shakeel, A.; Ansari, M.S.; ...; Khan, A.A.; Dhankar, R.	Fungi Bio Prospects in Sustainable Agriculture Environment and Nano Technology Vol.1	2020
55	Article • Open access	Extent and gaps in intellectual capital disclosure in the Indian industry	Mehrotra, V.; Malhotra, A.K.	International Journal of Learning and Intellectual Capital	2019
56	Conference Paper	Rainfall Forecasting Using Backpropagation Neural Network	Mishra, S.K.; Sharma, N.	Studies in Computational Intelligence	2018

5. Impact and Way Forward

GD Goenka University aims to drive sustainable economic growth and employment by expanding its academic, research, and innovation ecosystem. The University plans to strengthen programs in Science, Technology, Engineering, and Mathematics (STEM), business, and entrepreneurship, while introducing new vocational and professional training courses to enhance employability and foster innovation-driven job creation.

GD Goenka University will continue to build strong collaborations with industries, government agencies, and development organizations to provide students with internships, research opportunities, funding access, and community engagement initiatives that address real-world economic and social challenges. Emphasis will be placed on applied and interdisciplinary research, technology transfer, and start-up incubation through its Innovation and Entrepreneurship Centre, thereby promoting practical solutions with measurable societal impact.

The University also seeks to expand its global partnerships and student exchange programs to cultivate international exposure, cross-cultural understanding, and a spirit of global citizenship. A strong focus on diversity, equity, and inclusion will ensure a welcoming and dynamic learning environment for all. Additionally, GD Goenka University is committed to integrating sustainability principles into academic programs, research, and campus operations, ensuring that its growth aligns with environmental responsibility and long-term resilience.

Through these strategic initiatives, GD Goenka University reaffirms its commitment to advancing Sustainable Development Goal 8 (Decent Work and Economic Growth) by preparing skilled, ethical, and globally competent professionals who contribute meaningfully to sustainable and inclusive development.





SDG 9: Industry, Innovation & Infrastructure

GD Goenka University – Sustainability Initiatives and Achievements

1. Introduction

Sustainable Development Goal 9 (SDG 9) centres on building resilient infrastructure, promoting inclusive and sustainable industrialization and fostering innovation. This goal recognizes the pivotal role of infrastructure and innovation in driving economic growth, fostering sustainable development, and addressing global challenges. At its core, SDG 9 emphasizes the need to develop quality, reliable, sustainable, and resilient infrastructure. This includes transportation, energy, water, and information and communication technology (ICT) investments. Improving infrastructure, especially in developing countries, aims to enhance connectivity, reduce inequalities, and create a foundation for economic development.

The goal also focuses on promoting inclusive and sustainable industrialization. This involves encouraging industries to adopt sustainable practices, increase resource efficiency, and minimize environmental impact. SDG 9 recognizes that industrialization when conducted responsibly, can generate employment opportunities, spur innovation, and contribute to poverty reduction.

In addition, SDG 9 highlights the importance of fostering innovation, mainly through increased research and development (R&D) activities. Encouraging technological advancements and supporting innovation in various sectors can lead to improved productivity, increased competitiveness, and solutions to global challenges such as climate change and health crises.

SDG 9 is closely linked with other sustainable development goals. The development of resilient infrastructure contributes to sustainable cities and communities (SDG 11) while inclusive and sustainable industrialization aligns with goals related to



decent work and economic growth (SDG 8) and climate action (SDG 13). Innovation, a key focus of SDG 9, has cross-cutting implications for education (SDG 4), health (SDG 3), and poverty reduction (SDG 1).

GD Goenka University was established in 2013 under the vision of Shri A.K. Goenka, GD Goenka University (GDGU) is a leading state private university located on a 60-acre campus at Sohna, Gurugram, Haryana. Guided by the GD Goenka Group's legacy of excellence in education, the University has quickly emerged as a centre for innovation, entrepreneurship, and professional development in India's higher education landscape.

GD Goenka University offers a comprehensive range of undergraduate, postgraduate, and doctoral programmes across diverse disciplines including Engineering & Sciences, Management, Law, Liberal Arts & Social Sciences, Healthcare & Allied Sciences, Hospitality & Tourism, Agricultural Sciences, and Design. Recognized by the University Grants Commission (UGC) and affiliated with professional bodies such as the Bar Council of India (BCI) and the Indian Council of Agricultural Research (ICAR), GDGU ensures academic rigour aligned with global standards.

GD Goenka University Initiatives

a) Pioneering Education Through Outreach and Innovation

GD Goenka University is deeply committed to advancing Sustainable Development Goal 9 (Industry, Innovation, and Infrastructure) through an integrated approach that combines innovation, research excellence, and sustainable infrastructure development. The university promotes a culture of creativity and problem-solving by encouraging students, faculty, and researchers to collaborate across disciplines to design solutions that contribute to industrial and societal progress.

Through the Centre for Innovation and Incubation and the Entrepreneurship Development Cell, GD Goenka University provides mentorship, resources, and incubation support to emerging entrepreneurs. These initiatives have resulted in several successful university spin-offs, translating research and innovative ideas into real-world enterprises that promote employment and economic growth.

Strong partnerships with industry leaders, technology organizations, and government bodies enhance applied research, technology transfer, and knowledge exchange. Equipped with modern laboratories, digital classrooms, and sustainable campus infrastructure, GD Goenka University ensures that its academic and research environment meets global standards while remaining environmentally responsible.

The university's infrastructure initiatives include the adoption of energy-efficient systems, renewable energy integration, and digital solutions that reduce environmental impact. This approach aligns innovation with sustainability, ensuring that development is both forward-looking and responsible.

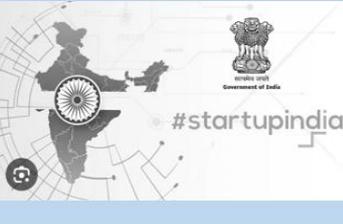
By nurturing innovation, strengthening research capacity, and promoting sustainable infrastructure, GD Goenka University continues to contribute meaningfully to national and global goals of inclusive and sustainable industrial growth, fully aligned with Sustainable Development Goal 9.



Key Outcomes

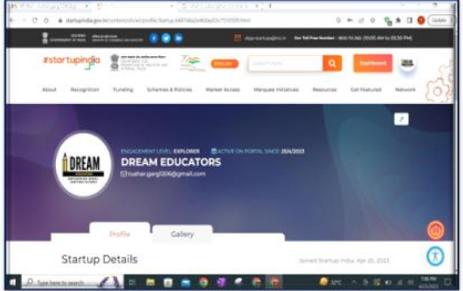



Startup Registrations
(On Government Portals)



Start-ups @ Udyam

Start-ups @ Dream Foundation



AVISHKAR Centre of Innovation and Incubation

VISION: Enabling our students in creative thinking, implementing unique Ideas, building entrepreneurial enterprises to help in job creation and serve for betterment of humankind with amazing products and experiences.

- Promotes Entrepreneurship
- Student Driven
- Motivational and Engaging Events
- Design Thinking
- Events, Hackathons

Awareness and Motivation



- I & E Workshops & Camps
- Technology Entrepreneurship Development Program (TEDP)
- Faculty Entrepreneurship Development Program (FEDP)
- Women Entrepreneurship Development Program (WEDP)

Innovation and Technology



- Memberships
- Funding for Prototype Development
- Space - 10000 Sqft
- Participation in Startup events

Prototype Development



- Startup Mela and Sangams
- Getting Sponsored Projects
- Govt. Aided Schemes

Business Incubator




Centre of Excellence in Aerospace Engineering and Energy Systems



Flow Visualization over LCA model in Wind Tunnel

www.gdgoenkauniversity.com



Student Building and Flying RC Aircraft in Aero Modelling workshop, Apr 9, 2024



Image captured during Observation Night
a) Jupiter and its moons b) Moon Craters



Hot Fire test of Rocket Motor in Expanse Rocket Lab

b) Innovation: The Key to a Successful University Experience

GD Goenka University places innovation at the heart of its educational philosophy, fostering a dynamic learning environment that prepares students to become future-ready leaders and problem-solvers. The university emphasizes interdisciplinary collaboration, experiential learning, and the integration of cutting-edge technology across all academic disciplines.

With state-of-the-art laboratories, smart classrooms, and innovation-driven spaces such as the Centre for Innovation and Incubation, GD Goenka University encourages students and faculty to transform ideas into impactful projects and start-ups. The Entrepreneurship Development Cell provides mentorship, seed funding opportunities, and exposure to industry networks, helping students develop entrepreneurial and research capabilities.

Digital tools like the Goenka Digital Learning Platform enhance accessibility and engagement, allowing students to collaborate, innovate, and learn beyond traditional classroom boundaries. The university's focus on sustainability and green innovation ensures that technological progress aligns with environmental responsibility. Through this forward-thinking approach, GD Goenka University not only enhances academic excellence but also cultivates an ecosystem where innovation drives education, economic growth, and sustainable societal development.

IDEATHON 2.1

GD GOENKA UNIVERSITY

Centre of Innovation & Entrepreneurship | CIE



Ideathon 2.1

Ideathon 2.1, the flagship event of the Centre of Innovation & Entrepreneurship was held from 21-22 November 2023. The theme for Ideathon this year was Sustainable Solutions for Industry, Energy and Smart Cities. The conference truly lived up to its theme as the two days saw groups of students presenting their business models and research ideas on topics that have truly explored the emergent needs of the time and tried to find solutions to issues of current relevance.

To mention a few, themes as Technological Innovation in Branding of Agri-products- An economic analysis; Nature-Based Solutions: A Pathway to a Net-Zero Future; The Importance of the Cities in the Fight against Climate Change; Astronomical Data in Ancient Indian Literature; Hydrogen Fuel: A coming era of clean and sustainable energy; The Representation of Gender Roles and Morality in Marjani Folk Stories and their Implications on Children's Values; Slow Fashion Through Sustainable Personal Styling; Harnessing Local Materials and Crafts practices to create innovative and

commercially viable products and modules, were a few themes where our faculty mentors and students have explored some truly innovative ideas and solutions to the problems of a rapidly changing world.

The first day of Ideathon saw eminent speakers from the industry taking over the stage and giving wonderful insights from their experience and knowledge. The day began with a welcome address by Prof. (Dr.) Tanuja Kaushik, Director Centre of Innovation & Entrepreneurship and chairperson Ideathon who briefed the students on the invitation, conceptualization and materialization of the IDEP. This was followed by an address by Mr. Sumit Jain, Deputy General Manager, MSME Technology Centre, Bhiwadi, Ministry of MSME, Govt. of India who elaborated on the opportunities for innovation and support that the Government offers to entrepreneurs. Our second speaker for the day, Dr. Pooja Sharma, CEO APAR Health & Director and Advisor Medanta Institute of Education and Research, Gurugram, Dr. Pooja, a gynecologist by training and an entrepreneur by choice, gave interesting insights from her own knowledge and

GD Goenka University | Unibuzz - Magazine

GD GOENKA UNIVERSITY

IDEATHON



WINNERS IDEATHON 2.1

Track 1
Sub Theme: A Web Portal of Go-Green.
Guide: Vigesh Sharma
Divesh Kumar Upadhyay, B.Tech (CSE), SOES
Aditya Raj, B.Tech (CSE), SOES
Deepansha Chauhan, B.Tech CSE AI & ML, SOES
Rohan Kumar Singh, B.Tech CSE AI & ML, SOES
Steffin Abraham, BCA, SOES.

Track 2
Sub Theme: Mathematical Model for Sustainable Energy System and its Applications
Guide: Dr. Bhagat Singh
Namrata Saini, B.Sc. (Hons.) Mathematics, SOES
Esha Choudhary, B.Sc. (Hons.) Mathematics, SOES
Subash Kumar, Bachelor of Technology - CSE, SOES
Om Prakash, Bachelor of Technology - CSE, SOES

Track 3
Sub Theme: Enhancing Soil Fertility through the Application of Organic Fertilizer Nutrition
Guide: Ms. Perli Himavansha
Priyanka, Bachelor of Technology - Computer Science & Engineering, SOES
Yashna Panwar, Bachelor of Computer Application, SOES
Simran Stoodiya, Bachelor of Computer Application, SOES
Devita Gupta, Bachelor of Computer Application, SOES
Mehek, Bachelor of Computer Application, SOES
Aashi Tayal, Bachelor of Arts (Honors) Economics, SOHSE

Track 4
Sub Theme: Harnessing Local Materials and Crafts practices to create innovative and commercially viable products and modules
Guide: Aamir Niggar
Riddhi Jain, B. Des [Hons] Product Design, UID
Akriti Mittal, B. Des [Hons] Fashion Design, UID
Mahi Aggarwal, B. Des [Hons] Product Design, UID

Track 5
Sub Theme: Marketing in Metaverse - Consumer adoption
Guide: Dr. Deepsi Walera
Kashvi Nubeta, B.BA, SOM
Neeraj Singh, BBA (E-commerce Operations), SOM
Shweta Sarkar, BBA, SOM
Mahi Chaturvedi, BBA, LLB, SOL
Aakanksha Garg, BBA, SOM
Divyanshi Singh Chandel, B. Com Hons., SOM
Yash Goelra, BBA, SOM

experience and truly sparked in our students the flame of entrepreneurship that rises from curiosity, courage and determination. The third speaker for the day was Mr. Dakesh Parti, Senior Manager Training, MSME Technology Centre (Bhiwadi), who inspired students to think out of the box. Take inspiration from the world around and unleash their imagination to create the future.

Our guest speakers were followed by the Vice-Chancellor, who in a highly enlightening address hailed the ancient knowledge of our country and called upon researchers to build on its foundations with sensibilities that are modern. He called upon researchers to ask questions with a new insight, introspect, upskill and keep a positive outlook to be successful in their endeavour. The Vice-chancellor summed up his talk with the maxim that incremental innovation is always more important than disruptive innovation.

The first day of Ideathon saw 7 tracks going live and saw participation by 58 groups of students. The second day of Ideathon saw 14 tracks with 117 groups of students presenting their research/business proposals. At the conclusion of the conference, we had 21 exceptional presentations chosen for awards. The winners for Ideathon 2.1 are given as follows.

GD Goenka University | Unibuzz - Magazine

IDEATHON 2.1

GD GOENKA UNIVERSITY

Track 6
Sub Theme: Prevalence of Neck Disability Index And Scapular Dyskinesia in Smartphone Users Among College Going Students
Guide: Dr. Manish Kumar
Emmanuel KICIFORD AKU, BCA, SOES
Ujjwal Bhandari, BBA, SOM

Track 7
Sub Theme: Diabetes Awareness, Risk Factors, and Health Behaviors Among University Students and Staff
Guide: Dr. Vishwajeet Trivedi
Abdulazeez Barakat, BMRIT, SOMAS
Boutumelo Thomsolo, BMRIT, SOMAS
Amrita Aggarwal, BMRIT, SOMAS
Tushar Joshi, BCA, SOES
Lakshmi Suri, BCA, SOES

Track 8
Sub Theme: Insects as food and feed sources: Future prospects.
Guide: Dr. Deepayan Roy
Yachana, BBA, SOM
Pragathi Gupta, BBA, SOM
Ruslan Jaiswal, BACHELOR OF SCIENCE - CARDIOVASCULAR TECHNOLOGY, SOMAS
Prateeksha Sharma, BOMC, SOMC

Track 9
Sub Theme: Cultivating sustainable futures: Enhancing Soil Quality through Conservation Agriculture
Guide: Dr. Vansha Pandey
Mohd Naveen, B. Sc Agriculture (Hons.), SOAS
Paramveer, B. Sc Agriculture (Hons.), SOAS
Soyabi, B. Sc Agriculture (Hons.), SOAS
Azeem, B. Sc Agriculture (Hons.), SOAS
Sakshi, B. Sc Agriculture (Hons.), SOAS
Sahil Khan, B. Sc (Hons.) - Microbiology, SOES
Maxwood Alam, B. Sc (Hons.) - Microbiology, SOES

Track 10
Sub Theme: Astronomical Data in the Ancient Indian Literature
Guide: Dr. Shaahikant Gupta
Cauring SAKSHI, B.Tech CSE, SOES
Oneeka Singh, B.Tech CSE, SOES
Shadhina Zaman, B.Tech ME, SOES
Ansh Goswami, B.Tech CSE, SOES

Track 11
Sub Theme: Role of Artificial Intelligence in Disaster Management and Early Warning Systems
Guide: Manika Sharma
Tisha Mazumdar, B.Tech (CSE), SOES
Kauhal Singh, B.Tech. (CSE-AI/ML), SOES
Adarsh Mishra, B.Tech. (CSE-AI/ML), SOES
Molobehing Lesanyehle, B.Tech. (CSE), SOES
Umar Baia (Abdullah), BMLS, SOMAS

Track 12
Sub Theme: A Study On Consumer Perception Towards Online Grocery Shipping
Guide: Pawanjeet Kaur
Aminu Hamza, B.Tech. CE, SOES
Abubakar Lathman, B.Tech. MEX, SOES
Prayanshu Shrivati, B.Tech CSE, SOES
Ajay Singh, B.Tech. CSE, SOES
Yash Bhandari, BCA, SOES
Jayant Kaushik, Bachelor of Technology - Fire and Safety Engineering, SOHSE

Track 13
Sub Theme: Role of NGOs in Empowering Women
Guide: Poojash Lata
Muskan Yadav, BOMC - Media Production, SOMC
Riya Mangal, BOMC - Media Production, SOMC
Anshu Yadav, BA, B. Ed, SOHSE
Himanshi Joshi, BA B.Ed SOHSE
Yashvi, Bachelor of Arts and Bachelor of Education, SOHSE
Jyo Chugh, Bachelor of Computer Application, SOES
Causer Makhiya, Bachelor of Arts (Hons.) - Political Science, SOHSE

Track 14
Sub Theme: Scope and Impact of Self-Help Groups
Guide: Dr. Raitvi Beri
Nehal Kothari, BA Hons - English, SOHSE
Muskan Yadav, BA Hons. Economics, SOHSE
Ajay Khatana, BBA, SOM
Esha Chaudhary, B.Com. Hons., SOM
Adhithik Singh, BCA, SOES
Sudesh Chopra, BA LLB, SOL
Bhoomit, Bachelor of Arts Bachelor of Law (Honors), SOL
Ritika Sharma, B. Des [Hons] Fashion Design, UID

GD Goenka University | Unibuzz - Magazine

GD GOENKA UNIVERSITY

IDEATHON 2.1

Track 15
Sub Theme: An initiative of the international community to declare Ecocide as an International Crime
Guide: Ms. Heena Purohit
Santosh Kumar Yadav, BALLB, LAW
Ruchi Pathak, B.Tech CSE, SOES
Aanya Sharma, B.Tech CSE, SOES
Rohan, B.Tech CSE, SOES
Vanshika Mahra, BBA LLB, LAW
Nandini Chauhan, B.Sc. Forensic Science, SOES

Track 16
Sub Theme: Sabbaticals for career growth and well being
Guide: Pooji Malhotra
Palak, Murgali, B.Sc CVT, SOMAS
Chandeevanti, B.Com. Hons., SOM
Akshita Akshita, B.Com. Hons., SOM
Simran Chauhan, B. Com. Hons., SOM
Shivani, B.Tech CSE (CYBER SECURITY), SOES
Nakshatra Jain, B.Tech CSE AI/ML, SOES
Dhairya Jyoti, B.Tech CSE, SOES
Aashi Yadav, BBA, SOM

Track 17
Sub Theme: Students' Entrepreneurial Orientation and Plans of Setting Up Business
Guide: Dr. Melina Jolin
Ishika Garg, B. Design [Hons.] - Interior & Furniture Design, UID
Rishim Anjan, B. Design [Hons.] - Interior & Furniture Design, UID
Shreya Srivastava, B. Design [Hons.] - Interior & Furniture Design, UID
Kanshika Verma, B. Design [Hons.] - Interior & Furniture Design, UID
Lokesh Lokesh, Bachelor of Computer Application, SOES
Gautam Yadav, Bachelor of Computer Application, SOES
Supriya Dhar, Bachelor of Computer Application, SOES
Ankit Kansana, BBA (Bachelor of Business Administration), SOM

Track 18
Sub Theme: Ms. Shweta Ahlawat
Simran, Bachelor of Computer Application, SOES
Sarapreet Singh Kohli, Bachelor of Computer Application, SOES
Yash Verma, Bachelor of Computer Application, SOES
Gargi Bajaj, Bachelor of Computer Application, SOES
Saksham Chaudhary, Bachelor of Computer Application, SOES

Track 19
Sub Theme: Impact of Covid 19 on people's health and daily life
Guide: Ms. Sapna Joshi
Khushi Gupta, B.Sc. Hons Biotechnology, SOES
Nandini Vardhan Bhatti, B. Sc. Hons Biotechnology, SOES
Sakshi Nayak, B. Sc. Hons Biotechnology, SOES
Ali Abdullah Mohammad, BMRIT, SOMAS
Nishita Ranjan, B. Sc. B. Ed (Integrated), SOHSE
Gayatri Sorout, B. Sc. B. Ed (Integrated), SOHSE
Sandhya B. Sc. B. Ed (Integrated), SOHSE

Track 20
Sub Theme: In vitro evaluation of developed Aguraidic Dosage Form
Guide: Dr. Laxmi Rani
Preetam, B.Sc. Hons Biotechnology, SOES
Aayen Roy, BCA, SOES
Simranpreet Kaur, Bachelor of Computer Application, SOES
Sonu Choudhary, Bachelor of Computer Application, SOES
Jash Bhawmik, Bachelor of Computer Application, SOES

Track 21
Sub Theme: Rural Tourism in Haryana: Opportunities and Challenges for Community Development
Guide: Dr. Reena Sharma
Anjali Jaiswal, Bachelor of Arts - Culinary Arts, SOHT
Sangee Prunchoh Bapu, BBA - Hospitality Management, SOHT
Best Interdisciplinary Business/Startup Project
Sub Theme: Enhancing Soil Fertility through the Application of Organic Fertilizer Nutrition
Guide: Ms. Perli Himavansha

Best Interdisciplinary Research Project
Sub Theme: Insects as food and feed sources: Future prospects
Guide: Dr. Deepayan Roy

GD Goenka University | Unibuzz - Magazine





The Udyami Bazaar

The Udyami Bazaar was a remarkable celebration of creativity and entrepreneurship. The entire campus radiated vibrant energy as students and visitors immersed themselves in a day filled with joy, lively performances, and engaging activities. From delectable food stalls to captivating showcases, the event offered something for everyone. The bazaar truly embodied an inspiring entrepreneurial spirit, with students proudly presenting their innovative products and ideas, transforming their visions into reality. It was a testament to talent, dedication, and community spirit—an unforgettable day at GD Goenka University.



UDYAMI BAZAAR

GD GOENKA UNIVERSITY

Bhuvneshwar Chaudhary, Entrepreneur, Dev Karik Agarwal, Engineer & Paridhi Kothli, Chef. The event was inaugurated with a formal cutting of the ribbon by the Vice-Chancellor, the Chief Guest Mr. Dipan Sahu and the Director, Centre of Innovation & Entrepreneurship, Prof. Dr. Tanuja Kaushik. The event started with an address by the Vice-Chancellor who spoke on the significance of promoting the cause of student entrepreneurship followed by a highly enthusiastic and informative talk by the Chief Guest who gives information on the various schemes run by the GO available for budding entrepreneurs. A few cultural performances by both National & International students kick-started the event.

The highlight of the event was the prizes for the Most Innovative Stall, Most Well Managed Stall and Most Popular Stall.



The Most Innovative Stall winners were:

- Winner- Disha Jain & Taposh Dutta, BBA, Bharati Vidyapeeth Deemed University
- First Runner up- Nandini Vardhan Bhatt & Anshika Goel, B.Sc. Bio-tech, School of Engineering & Sciences, Batch 2022-2025.
- Second Runner up- Mayurika Saboo, MA/MC, School of Media & Entertainment, Batch 2022-2024.

The Most Well-Managed Stall winners were

- Winner- Sitika Jain, B. Design, UID, Batch 2023-2027
- First Runner up- Rashishu Balyan and Mumbai, B. Pharmacy, Batch 2022-2024, School of Medical & Allied Sciences
- Second Runner up- Akshat Agarwal, DICA, School of Hospitality & Tourism, Batch 2023-2024 & Anshika Gupta, B. Sc. Biotech, School of Engineering & Sciences, Batch 2023-2026

The Most Popular Stall winners were:

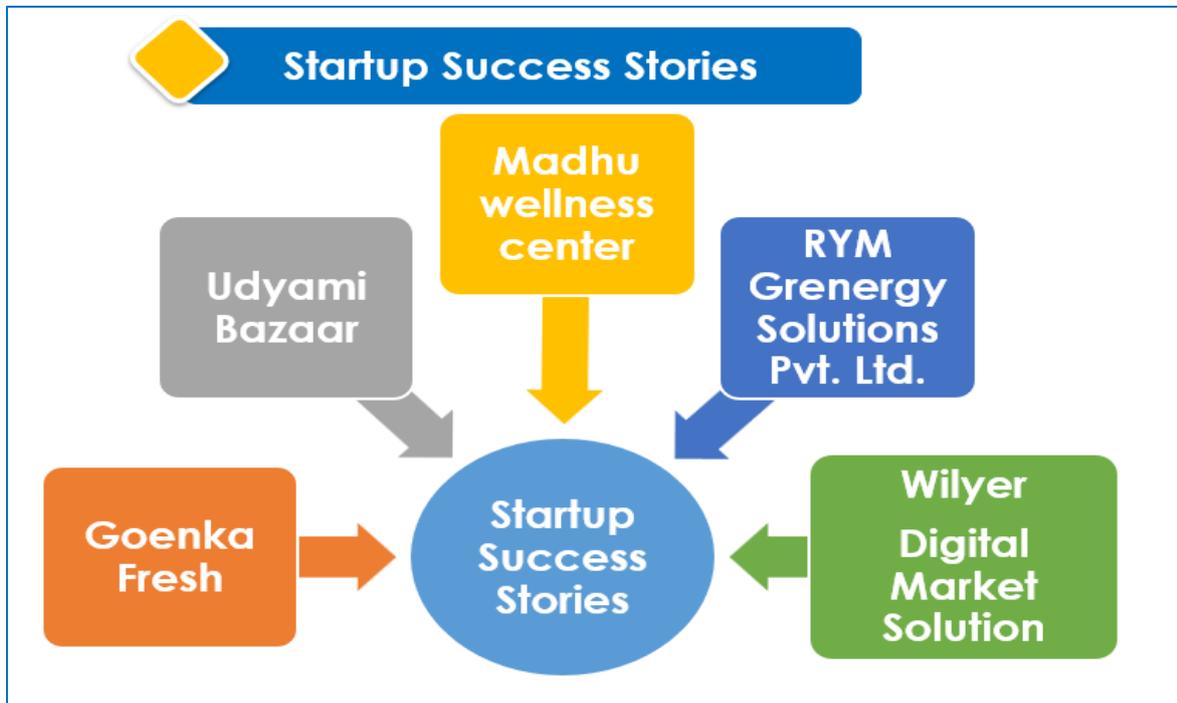
- Winner- Tripti Satharwal, B. Design, UID, Batch 2023-2027 and Garima Sarraf, B. Design, UID, Batch 2023-2027
- First Runner up- Manya Mittal, College of Vocational Studies, DLI, Batch 2020-2023 & Shagun Mittal, B. Com Hons., GGSCC, DU, Batch 2015-2018
- Second Runner up- Piyush Malik & Mansi Rajoria, B. Pharmacy, School of Medical & Allied Sciences, Batch 2021-2024.

All the winners received a trophy and a cash prize. The event also had winners for Best Ethnic Dressed Male & Female. The winners were:
 Best Ethnic Dressed Male: Anshmeet Singh, B.Sc., B.Tech CSE(AI/ML), School of Engineering & Sciences, Batch 2022-2026.
 Best Ethnic Dressed Female: Vanura Aggarwal, B.Tech CSE(AI/ML), School of Engineering & Sciences, Batch 2022-2026.

The event saw enthusiastic participation by both students and staff who came together to make the event a success and ended with vote of thanks by Prof. Dr. Tanuja Kaushik, Director, Centre of Innovation & Entrepreneurship.




Start-ups





Goenka Fresh Unit



GOENKA FRESH

Brand Registration & Identity

Conceptualization



Infrastructure Planning



Student Engagement & Awareness



www.gdgoenkauniversity.com

48



Hi-tech Polyhouse Farming: Supporting Goenka Fresh



Nutrient Film Techniques- Hydroponics Facility

The unit area is ~320 sq m with 3600 growing points.
Benefits Include:

- Fully Centralized & automated Fertigation Controls
- It is highly efficient, using minimal water and nutrients while promoting faster growth and higher yields.
- It is ideal for leafy greens, herbs, and lightweight crops.
- Water Saving (up to 90% as compared to field agriculture)
- Controlled Environment Cultivation (year-round production)
- Reduce Chemical Runoff to Soil/Water Table



48



Polyhouse Grow Bags Hydroponics Unit



- ❖ The growing area of the unit is ~2500 sq m
- ❖ Grow bag-based hydroponics filled with coco peat, coco chips, perlite and vermiculite or similar mediums.
- ❖ Nutrient-rich water is through automated drip irrigation systems.
- ❖ The controlled environment for temperature, humidity, and ventilation.





www.gdgoenkauniversity.com
51



Units Contributing To Goenka Fresh





Organic Vegetable Production Unit



Commercial Beekeeping Unit



Fish Production Unit



Organic Vegetable Production Unit



Commercial Beekeeping Unit



Fish Production Unit

www.gdgoenkauniversity.com
51



Units Contributing To Goenka Fresh





Vermicompost Unit



Floriculture and Landscaping Unit



Mushroom Production Unit



Vermicompost Unit



Floriculture and Landscaping Unit



Mushroom Production Unit

www.gdgoenkauniversity.com
54





Success of Evidence

Vertical Roof Top Landscaping
Date of registration: 4 November 2023
Registration No: U01619HR2023PTC114639

Organic Vermicomposting
Date of registration: 4 October 2023
Registration No: Awaiting

Organic Vermicomposting
Date of registration: 4 Nov 2018
Registration No: BRN8005220049000526



School of
Engineering
& Sciences

STARTUPS/Star Alumni

Adarsh Singh
 Batch 2019-23
 (Mechanical Engg)
 Founder & C.O.O. - Aspirant Learning, Life Skills and Soft Skills Coach, Harvard Act2Impact Winner, Convenor - International Sustainability Movement

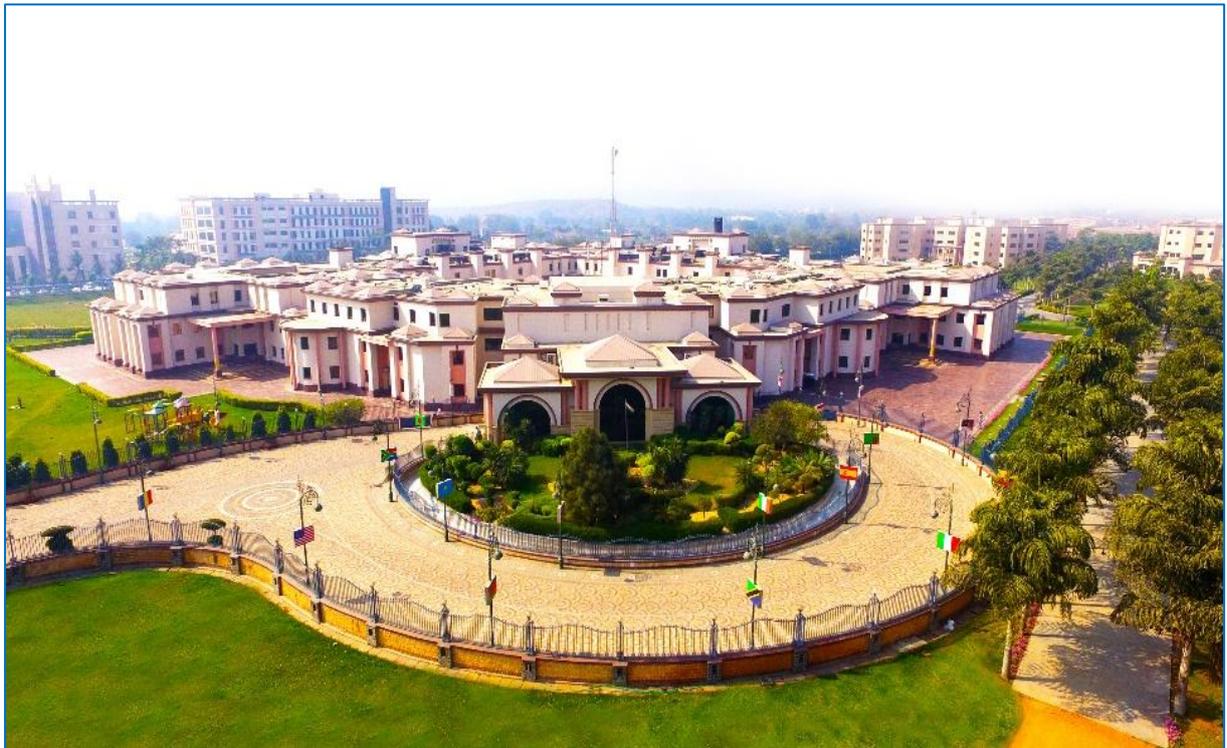
Dev Kartik
 Batch 2017-21 (CSE)
 Co-Founder, Wilver
 |Innovating Digital Signage Solutions

Amit Dagar
 Batch 2018-21 (MCA)
 Co Founder & CTO
 Wilver.
 Digital Market Solution

Pranav Suri
 Batch 2014-2018 (CSE)
 Co-founder of *kaksha.ai*
 an AI startup that aims to personalize online education

d) Infrastructure

GD Goenka University's campus is a modern, well-planned educational hub located near the Aravali hills, featuring state-of-the-art academic and residential facilities. The campus integrates contemporary architecture with functional design to provide classrooms, laboratories, libraries, hostels, sports, and recreational spaces, fostering a holistic learning environment for students.



A calm atmosphere is created by the university's surroundings, which include a collection of simple buildings surrounded by trees, plants, and well-kept lawns. The Aravali hills provide a scenic backdrop, enhancing the serene environment for learning and reflection. Thoughtfully designed open spaces, walking paths, and seating areas encourage interaction, relaxation, and outdoor study. The campus layout harmoniously blends nature with modern infrastructure, fostering a peaceful and inspiring setting for students, faculty, and visitors alike.

INFRASTRUCTURE AND LEARNING RESOURCES



d) Academic Facilities at GD Goenka University

GD Goenka University offers state-of-the-art academic facilities designed to support a comprehensive learning experience. The campus features modern classrooms equipped with smart boards and audio-visual aids, well-equipped laboratories for science, technology, and engineering disciplines, and a digital library with extensive resources. Dedicated spaces for research, innovation, and skill development, along with seminar halls and collaborative workspaces, ensure that students have access to the tools and environment needed for academic excellence and experiential learning.

Hands-On Learning: Practical Training with Advanced Models & State-of-the-Art Equipment



LIBRARY AS A LEARNING RESOURCE



Circulation Counter

Reading Area

Periodical Section

Text Book Section

Digital Library

Research Center

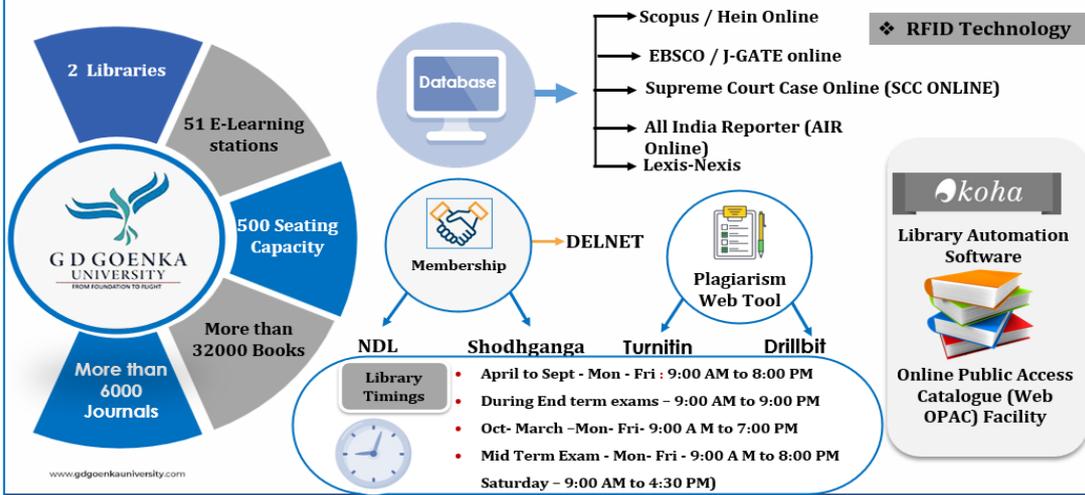
Drillbit

Turnitin

DELNET

www.gdgoenkauniversity.com

Integrated Library Management System



e) Hostel, Sports and Central Facilities at GD Goenka University

HOSTEL FACILITIES

Capacity

1500

Herculus	Boys
Zeus-1	Hostel
Sophia	Girls
Athena-1	Hostel
Athena-2	



Twin Sharing



Four Bed Sharing



Well Maintained Campus Mess



Weight Pates



Tread Mill



Battle ropes



Sports Facilities



Swimming Pool



Chess



Table Tennis



Football Court



Multiple Eateries & Food Outlets



Dominos



Nescafe



MomoMia Restaurant



Dewasia

GD Goenka Memorial Health & Wellness Center

G D GOENKA UNIVERSITY
 UGC Approved

Doctors	01
Nursing Staffs	03
Patient Bed	12
Ambulance	01
Physiotherapy OPD	01
Eye testing unit	01
Medical Store	01
Student Counsellor	02

- ✓ Facilities for minor surgical procedures
- ✓ Equipment for nebulization and oxygen support
- ✓ Tie-up with laboratory for Routine Investigations
- ✓ Tie-up with hospital for patient hospitalization
- ✓ Physiotherapy service for inhouse & outpatient
- ✓ Computerized eye testing unit.



Central Facilities

G D GOENKA UNIVERSITY
 UGC Approved

 Poly House	 Crèches	 CCTV Surveillances
 Fitness Center	 CCTV Surveillance Room	 IDFC ATM

Eco-Friendly Transportation

G D GOENKA UNIVERSITY
 UGC Approved

 CNG Buses	 Bus Parking
 E Cart	 E Cart Parking

3. Research and Publications

a) Funding Received

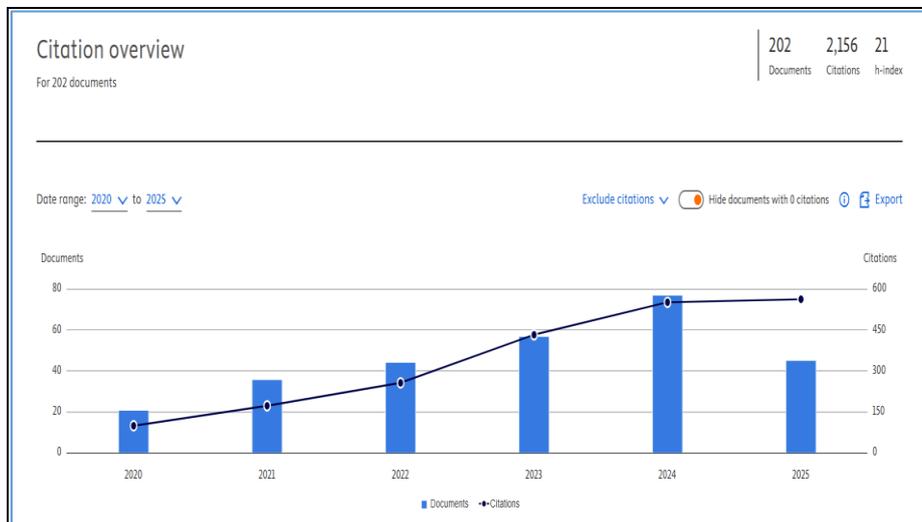
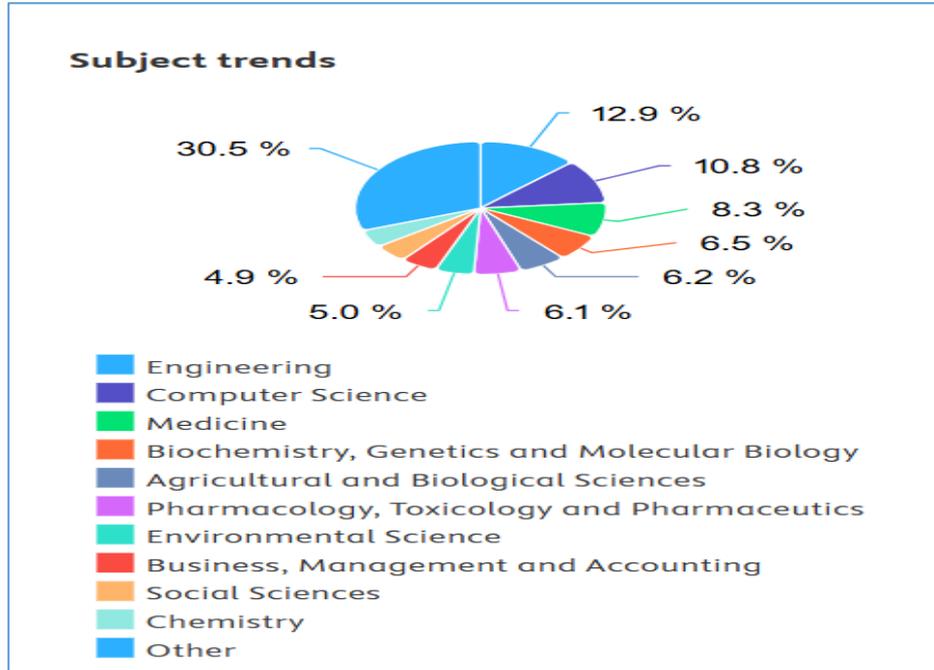
GD Goenka University has been strengthening its university-industry collaborations through its Research & Development department, established in 2016. GD Goenka University The University supports faculty in developing contract-research and consultancy engagements with business corporations, industry associations, and non-profit organisations. Through its consultancy policy and Research & Innovation Council, the university encourages projects funded by industry and commerce.

These efforts enable GD Goenka University to generate externally funded research income from industry and commerce partners. This income helps scale up its research, supports technology development, promotes knowledge transfer, and reinforces the university's role as a bridge between academia and the business sector in delivering innovation-led solutions.

SDG contributions

 Goal 1: No poverty	6 documents	 Goal 10: Reduced inequalities	14 documents
 Goal 2: Zero hunger	51 documents	 Goal 11: Sustainable cities and communities	57 documents
 Goal 3: Good health and well-being	249 documents	 Goal 12: Responsible consumption and production	73 documents
 Goal 4: Quality education	18 documents	 Goal 13: Climate action	53 documents
 Goal 5: Gender equality	15 documents	 Goal 14: Life below water	13 documents
 Goal 6: Clean water and sanitation	70 documents	 Goal 15: Life on land	40 documents
 Goal 7: Affordable and clean energy	70 documents	 Goal 16: Peace, justice and strong institutions	23 documents
 Goal 8: Decent work and economic growth	57 documents	 Goal 17: Partnership for the goals	42 documents
 Goal 9: Industry, innovation and infrastructure	133 documents		

GD Goenka University Scopus Publication



Total Research funding received from private/industry sources

SI No	Name of the PI/ Co-PI/Name of the person holding the Chair	Title of the research project, endowments, Research Chairs	Name of the funding agency	Govt./ Non-Govt.	Duration	Year of award or Sanction	Amount in INR (Lakh).
1	Jyoti Ahlawat	PMKVY 4.0 RPL Agriculture- Dairy Entrepreneur	National Skill Development Corporation	Government	3 Months	2023-24	2.00
2	Paramita Deb	PMKVY 4.0 RPL Agriculture- Dairy Farmer outside State	National Skill Development Corporation	Government	3 Months	2023-24	2.00
3	Raveena Negi	PMKVY 4.0 RPL Agriculture- Dairy Farmer within State	National Skill Development Corporation	Government	3 Months	2023-24	2.05
4	Akhand Pratap Chaudhari	PMKVY 4.0 RPL Agriculture- Dairy Field Expert	National Skill Development Corporation	Government	3 Months	2023-24	2.05
5	Sachi Gupta	PMKVY 4.0 RPL Agriculture- Dairy Product Expert	National Skill Development Corporation	Government	3 Months	2023-24	2.05
6	Neetu Ahmed	PMKVY 4.0 RPL Construction- Helper Mason	National Skill Development Corporation	Government	3 Months	2023-24	2.05
7	Sapna Sharma	PMKVY 4.0 RPL Construction- Construction Material Expert	National Skill Development Corporation	Government	3 Months	2023-24	2.05
8	Prerna Sharma	PMKVY 4.0 RPL Construction- Craftsman	National Skill Development Corporation	Government	3 Months	2023-24	2.05
9	Anjali Vyas	PMKVY 4.0 RPL Construction- Fabricator	National Skill Development Corporation	Government	3 Months	2023-24	2.05
10	Deepti Wadera (Management)	PMKVY 4.0 RPL Construction- Construction Electrician - LV	National Skill Development Corporation	Government	3 Months	2023-24	2.05
11	Jyoti Gullaiya	PMKVY 4.0 RPL Construction- PoP Expert	National Skill Development Corporation	Government	3 Months	2023-24	2.05
12	Khushbu Parik	PMKVY 4.0 RPL Construction- Construction Plumbing - LV	National Skill Development Corporation	Government	3 Months	2023-24	2.05
13	Sunanda Vashisth	PMKVY 4.0 RPL Construction- Leaking Proof Expert	National Skill Development Corporation	Government	3 Months	2023-24	2.05
14	Parul Sinha	PMKVY 4.0 RPL Telecom- In-Store Promoter	National Skill Development Corporation	Government	3 Months	2023-24	2.05
15	Anureet Kaur	PMKVY 4.0 RPL Telecom- Store Incharge	National Skill Development Corporation	Government	3 Months	2023-24	2.05

16	Suneel Arora	PMKVY 4.0 RPL Telecom- Store manager	National Skill Development Corporation	Government	3 Months	2023-24	2.05
17	Prasenjit Mondal	PMKVY 4.0 RPL Green Jobs- Safai Karamchari	National Skill Development Corporation	Government	3 Months	2023-24	2.05
18	Anju Rani	PMKVY 4.0 RPL Green Jobs- Santization Expert	National Skill Development Corporation	Government	3 Months	2023-24	2.05
19	Uzma Rukshar	PMKVY 4.0 RPL Green Jobs- Helper	National Skill Development Corporation	Government	3 Months	2023-24	2.05
20	Paritosh Srivastava	PMKVY 4.0 RPL Construction- Assistant Electrician	National Skill Development Corporation	Government	3 Months	2023-24	2.05
21	Soumita Takudkar	PMKVY 4.0 RPL Construction- Assistant Technician	National Skill Development Corporation	Government	3 Months	2023-24	2.05
22	Yogesh Kumar	PMKVY 4.0 RPL Construction- Assistant Plumber	National Skill Development Corporation	Government	3 Months	2023-24	2.05
23	Apeksha Mittal	PMKVY 4.0 RPL Construction- Laborour	National Skill Development Corporation	Government	3 Months	2023-24	2.04
24	Sunrita Chaudhuri	PMKVY 4.0 Special Project Tourism & Hospitality- Street Food Vendor- Standalone	National Skill Development Corporation	Government	2 month	2023-24	1.50
25	Anshika Babbar	PMKVY 4.0 Special Project Tourism & Hospitality- Street Food Vendor In India	National Skill Development Corporation	Government	2 month	2023-24	1.50
26	Manish Joshi	PMKVY 4.0 Special Project Tourism & Hospitality- Street Food Vendors outside Inda	National Skill Development Corporation	Government	2 month	2023-24	1.54
27	Vaishali Arya	PMKVY 4.0 Special Project Tourism & Hospitality- Food Staller	National Skill Development Corporation	Government	2 month	2023-24	1.54
28	Manish Kumar	PMKVY 4.0 Special Project Tourism & Hospitality- Street Food Hygiene Expert	National Skill Development Corporation	Government	2 month	2023-24	1.54
29	Sarina Asif	PMKVY 4.0 Special Project Tourism & Hospitality- Street Food Safety Expert	National Skill Development Corporation	Government	2 month	2023-24	1.54
30	Sheetal Yadav	PMKVY 4.0 Special Project Tourism & Hospitality- Street Food Quality Expert	National Skill Development Corporation	Government	2 month	2023-24	1.54
31	Kamna Sagar	PMKVY 4.0 Special Project Tourism & Hospitality-	National Skill Development Corporation	Government	2 month	2023-24	1.54

		Continental Street Food Expert					
32	Juhi Shrivastava	PMKVY 4.0 Special Project Tourism & Hospitality- Food and Hospitality Entrepreneur	National Skill Development Corporation	Government	2 month	2023-24	1.54
33	Mohammad Kamran	PMKVY 4.0 Special Project Tourism & Hospitality- Indian Food Business	National Skill Development Corporation	Government	2 month	2023-24	1.54
34	Anindita Roy Chowdhury	PMKVY 4.0 Special Project Green Jobs- Solar Water Heater Installer (Suryamitra)	National Skill Development Corporation	Government	2 month	2023-24	1.54
35	Sudipta K Mishra	PMKVY 4.0 Special Project Green Jobs- Solar Light Installer (Suryamitra)	National Skill Development Corporation	Government	2 month	2023-24	1.54
36	Naresh Sharma	PMKVY 4.0 Special Project Green Jobs- Solar Technician (Suryamitra)	National Skill Development Corporation	Government	2 month	2023-24	1.54
37	Deepika Garg	PMKVY 4.0 Special Project Green Jobs- Solar Panel Expert (Suryamitra)	National Skill Development Corporation	Government	2 month	2023-24	1.54
38	Shashikant Gupta	PMKVY 4.0 Special Project Electronics- CCTV Installation Technician	National Skill Development Corporation	Government	2 month	2023-24	1.54
39	Alina Banerjee	PMKVY 4.0 Special Project Electronics- CCTV and Security Expert	National Skill Development Corporation	Government	2 month	2023-24	1.54
40	Renu Chaudhary	PMKVY 4.0 Special Project Electronics- CCTV Repair Technician	National Skill Development Corporation	Government	2 month	2023-24	1.54
41	Manka Sharma	PMKVY 4.0 Special Project Electronics- Wiring Technician	National Skill Development Corporation	Government	2 month	2023-24	1.54
42	Rangoli Goyal	PMKVY 4.0 Special Project Green Jobs- Solar Photovoltaic Entrepreneur	National Skill Development Corporation	Government	2 month	2023-24	1.54
43	Mainak Basu	PMKVY 4.0 Special Project Green Jobs- Solar Photovoltaic Assembling Expert	National Skill Development Corporation	Government	2 month	2023-24	1.54
44	Neha	PMKVY 4.0 Special Project Green Jobs- Solar Photovoltaic Technician	National Skill Development Corporation	Government	2 month	2023-24	1.54
45	Vaishali Arya	PMKVY 4.0 Skill Hub Apparel- Sewing Machine Operator	National Skill Development Corporation	Government	1 year	2023-24	4.57

46	Suneel Arora	PMKVY 4.0 Skill Hub Apparel- Fashion Stylist	National Skill Development Corporation	Government	1 year	2023-24	4.57
47	Rekha Kaushal	PMKVY 4.0 Skill Hub Apparel- Sewing Machine Technician	National Skill Development Corporation	Government	1 year	2023-24	4.57
48	Vandana Mehrotra	PMKVY 4.0 Skill Hub Apparel- Tailoring Technologist	National Skill Development Corporation	Government	1 year	2023-24	4.57
49	Sumit Bhardwaj	PMKVY 4.0 Skill Hub Apparel- Washing Machine Operator	National Skill Development Corporation	Government	1 year	2023-24	4.57
50	Virendra Kumar	PMKVY 4.0 Skill Hub Apparel- AC Mechanic	National Skill Development Corporation	Government	1 year	2023-24	4.57
51	Mehraj Udin	PMKVY 4.0 Skill Hub Apparel- Washing Machine Technician	National Skill Development Corporation	Government	1 year	2023-24	4.57
52	Manvi Arora	PMKVY 4.0 Skill Hub Apparel- Tv Repair Technician	National Skill Development Corporation	Government	1 year	2023-24	4.57
53	Parvesh Lata	PMKVY 4.0 Skill Hub Apparel- Hand Embroiderer (Addawala)	National Skill Development Corporation	Government	1 year	2023-24	4.57
54	Shivani Kampani	PMKVY 4.0 Skill Hub Apparel- Cotton Fibre Expert	National Skill Development Corporation	Government	1 year	2023-24	4.57
55	Abhishek Jha	PMKVY 4.0 Skill Hub Apparel- Hand Embroiderer Technician	National Skill Development Corporation	Government	1 year	2023-24	4.57
56	Syed Hameedur Rahman Zaini	PMKVY 4.0 Skill Hub Apparel- Woollen Expert	National Skill Development Corporation	Government	1 year	2023-24	4.57
57	Preeti Malhotra	PMKVY 4.0 Skill Hub Beauty & Wellness- Assistant Nail Technician	National Skill Development Corporation	Government	1 year	2023-24	4.57
58	Shabnam Khanam	PMKVY 4.0 Skill Hub Beauty & Wellness- Hair Grooming Expert	National Skill Development Corporation	Government	1 year	2023-24	4.57
59	Mansi Yadav	PMKVY 4.0 Skill Hub Beauty & Wellness- Entrepreneur	National Skill Development Corporation	Government	1 year	2023-24	4.57
60	KC Barmola	PMKVY 4.0 Skill Hub Beauty & Wellness- Cosmetic Expert	National Skill Development Corporation	Government	1 year	2023-24	4.57
61	Tasleem Khanam	PMKVY 4.0 Skill Hub Food Processing - Fruits and Vegetables Selection In-Charge	National Skill Development Corporation	Government	1 year	2023-24	4.57
62	Juhi Shrivastava	PMKVY 4.0 Skill Hub Food Processing - Fruits and	National Skill Development Corporation	Government	1 year	2023-24	4.57

		Vegetables Packaging Expert					
63	Neetu Ahmed	PMKVY 4.0 Skill Hub Food Processing - Food Packaging Expert	National Skill Development Corporation	Government	1 year	2023-24	4.57
64	Swati Singh	PMKVY 4.0 Skill Hub Food Processing - Vendor	National Skill Development Corporation	Government	1 year	2023-24	4.57
65	Deepika Mann	PMKVY 4.0 Skill Hub Food Processing - Butter and Ghee Processing Operator	National Skill Development Corporation	Government	1 year	2023-24	4.57
66	Bikash Subba	PMKVY 4.0 Skill Hub Food Processing - Nector Processing Operator	National Skill Development Corporation	Government	1 year	2023-24	4.57
67	Aruna Maheshwari	PMKVY 4.0 Skill Hub Food Processing - Oil Processing Operator	National Skill Development Corporation	Government	1 year	2023-24	4.57
68	Jyoti Shrivastava	PMKVY 4.0 Skill Hub Agriculture- Epiculture Worker	National Skill Development Corporation	Government	1 year	2023-24	4.57
69	Ruchi Jain	PMKVY 4.0 Skill Hub Agriculture- Aquaculture Worker	National Skill Development Corporation	Government	1 year	2023-24	4.57
70	Ravindra Nath	PMKVY 4.0 Skill Hub Agriculture- Pisci Culture Technician	National Skill Development Corporation	Government	1 year	2023-24	4.57
71	Hemlata	PMKVY 4.0 Skill Hub Agriculture- Aquaculture Technician	National Skill Development Corporation	Government	1 year	2023-24	4.57
72	Prabin Kumar Jha	PMKVY 4.0 Skill Hub Agriculture- Mushroom culture Technician	National Skill Development Corporation	Government	1 year	2023-24	4.57
73	Gautam Agrawal	PMKVY 4.0 Skill Hub Logistics-Receiving Assistant	National Skill Development Corporation	Government	1 year	2023-24	4.57
74	Rajesh Yadav	PMKVY 4.0 Skill Hub Logistics-Shipping and Receiving Associate	National Skill Development Corporation	Government	1 year	2023-24	4.57
75	Sumit Bhardwaj	PMKVY 4.0 Skill Hub Logistics-Helper	National Skill Development Corporation	Government	1 year	2023-24	4.57
76	Kamna Sagar	PMKVY 4.0 Skill Hub Operations Support	National Skill Development Corporation	Government	1 year	2023-24	4.57
77	Mona Raghuwanshi	PMKVY 4.0 Skill Hub Logistics- Consignment Tracking Executive	National Skill Development Corporation	Government	1 year	2023-24	4.57
78	Shivani Kampani	PMKVY 4.0 Skill Hub Logistics- Shipping	National Skill Development Corporation	Government	1 year	2023-24	4.57

		and Consignment Executive					
79	Vinod Kumar	PMKVY 4.0 Skill Hub Logistics- Consignment Management Executive	National Skill Development Corporation	Government	1 year	2023-24	4.57
80	Apoorva Dixit	PMKVY 4.0 Skill Hub Logistics- Freight Operations Coordinator	National Skill Development Corporation	Government	1 year	2023-24	4.57
81	Neeru Singla	PMKVY 4.0 Skill Hub Sports- Physical Education Assistant (Primary Years)	National Skill Development Corporation	Government	1 year	2023-24	4.57
82	Vinod Jatav	PMKVY 4.0 Skill Hub Sports- Wellness Coach	National Skill Development Corporation	Government	1 year	2023-24	4.57
83	Deepak Bharadwaj	PMKVY 4.0 Skill Hub Sports- Physical Education Trainer	National Skill Development Corporation	Government	1 year	2023-24	4.57
84	Ragini Narain	PMKVY 4.0 Skill Hub Sports- Sports Trainer	National Skill Development Corporation	Government	1 year	2023-24	4.57
85	Pankaj Chhuttani	PMKVY 4.0 Skill Hub Tourism & Hospitality-Customer Engagement Specialist	National Skill Development Corporation	Government	1 year	2023-24	4.57
86	Leena	PMKVY 4.0 Skill Hub Tourism & Hospitality-Customer Service Executive (Meet and Greet)	National Skill Development Corporation	Government	1 year	2023-24	4.57
87	Shradhey Gupta	PMKVY 4.0 Skill Hub Tourism & Hospitality-Customer Support Associate	National Skill Development Corporation	Government	1 year	2023-24	4.57
88	Deepika Mann	PMKVY 4.0 Skill Hub Tourism & Hospitality- Front Desk Executive	National Skill Development Corporation	Government	1 year	2023-24	4.57
89	Anil Kumar Gupta	PMKVY 4.0 Skill Hub Tourism & Hospitality- Receptionist	National Skill Development Corporation	Government	1 year	2023-24	4.57
90	Smitha Girija Viswanathan	PMKVY 4.0 Skill Hub Tourism & Hospitality- Food Styling Photographer	National Skill Development Corporation	Government	1 year	2023-24	4.57
91	Adiba Ali	PMKVY 4.0 Skill Hub Tourism & Hospitality- Food Styling Designer	National Skill Development Corporation	Government	1 year	2023-24	4.57
92	Ankur Sharma	PMKVY 4.0 Skill Hub Tourism &	National Skill Development Corporation	Government	1 year	2023-24	4.57

		Hospitality- Food Stylist					
93	Urvashi Kumari	PMKVY 4.0 Skill Hub Tourism & Hospitality- Food Decorator	National Skill Development Corporation	Government	1 year	2023-24	4.57
94	Shweta Kumari	PMKVY 4.0 Skill Hub Automotive Washer	National Skill Development Corporation	Government	1 year	2023-24	4.57
95	Manju Rana	PMKVY 4.0 Skill Hub Automotive Polish Expert	National Skill Development Corporation	Government	1 year	2023-24	4.57
96	Paritosh Srivastava	PMKVY 4.0 Skill Hub Automotive Washer-Technician	National Skill Development Corporation	Government	1 year	2023-24	4.57
97	Rinkal	PMKVY 4.0 Skill Hub Vehicle Cleaner	National Skill Development Corporation	Government	1 year	2023-24	4.57
98	Mir Mohsin John	PMKVY 4.0 Skill Hub Green Jobs-Safai Karamchari	National Skill Development Corporation	Government	1 year	2023-24	4.57
99	Achyut Sharma	PMKVY 4.0 Skill Hub Green Jobs- Safai Mitra	National Skill Development Corporation	Government	1 year	2023-24	4.57
100	Sandeep Kumar Yadav	PMKVY 4.0 Skill Hub Green Jobs-Santization Technician	National Skill Development Corporation	Government	1 year	2023-24	4.60
101	Rajat Sharma	PMKVY 4.0 Skill Hub Green Jobs-Safety Expert	National Skill Development Corporation	Government	1 year	2023-24	4.60
102	Smita Sood	PMKVY 4.0 Skill Hub Electronics- Solar LED Technician	National Skill Development Corporation	Government	1 year	2023-24	4.60
103	Mir Mohsin John	PMKVY 4.0 Skill Hub Electronics- Solar LED Entrepreneur	National Skill Development Corporation	Government	1 year	2023-24	4.60
104	Jyoti	PMKVY 4.0 Skill Hub Electronics- Solar LED Repair Technician	National Skill Development Corporation	Government	1 year	2023-24	4.60
105	Shipra Kataria	PMKVY 4.0 Skill Hub Electronics- Solar LED Assembling Technician	National Skill Development Corporation	Government	1 year	2023-24	4.60
106	Rajeev Cowasjee	Hunar Se Rozgar Tak 8 Tourism & Hospitality- Multi Cuisine Cook	Ministry of Tourism	Government	1 year	2023-24	2.40
107	Urvashi Kumari	Hunar Se Rozgar Tak 8 Tourism & Hospitality- Fusion Chef	Ministry of Tourism	Government	1 year	2023-24	2.40
108	Manoj Kumar Bam	Hunar Se Rozgar Tak 8 Tourism & Hospitality- Food Service	Ministry of Tourism	Government	1 year	2023-24	2.40

109	Atreyee Banerjee	Hunar Se Rozgar Tak 8 Tourism & Hospitality- Culinary Services	Ministry of Tourism	Government	1 year	2023-24	2.40
110	Mayank Chopra	Hunar Se Rozgar Tak 8 Tourism & Hospitality- Administrative Assistant	Ministry of Tourism	Government	1 year	2023-24	2.40
111	Shikha Gupta	Hunar Se Rozgar Tak 8 Tourism & Hospitality- Customer Service	Ministry of Tourism	Government	1 year	2023-24	2.40
112	Tarun Khandpal	Hunar Se Rozgar Tak 8 Tourism & Hospitality- Office Coordinator	Ministry of Tourism	Government	1 year	2023-24	2.40
113	Manoj Kumar Bam	Hunar Se Rozgar Tak 8 Tourism & Hospitality- Front Desk Clerk	Ministry of Tourism	Government	1 year	2023-24	2.40
114	Ruchi Jain	Hunar Se Rozgar Tak 8 Tourism & Hospitality- F And B Service -Steward	Ministry of Tourism	Government	1 year	2023-24	2.40
115	Sumedha Garg	Hunar Se Rozgar Tak 8 Tourism & Hospitality Waiter/Waitress	Ministry of Tourism	Government	1 year	2023-24	2.40
116	Ankur Gulati	Hunar Se Rozgar Tak 8 Tourism & Hospitality- Dining Room Attendant	Ministry of Tourism	Government	1 year	2023-24	2.40
117	Riddhima Singh	Hunar Se Rozgar Tak 8 Tourism & Hospitality- Food Service Worker	Ministry of Tourism	Government	1 year	2023-24	2.40
118	Prakash Moorthy	Hunar Se Rozgar Tak 8 Tourism & Hospitality- Room Attendant	Ministry of Tourism	Government	1 year	2023-24	2.40
119	Wajahat Hussain Rather	Hunar Se Rozgar Tak 8 Tourism & Hospitality- Housekeeper	Ministry of Tourism	Government	1 year	2023-24	2.40
120	Anil Bose	Hunar Se Rozgar Tak 8 Tourism & Hospitality- Chambermaid	Ministry of Tourism	Government	1 year	2023-24	2.45
121	Prof. Nihal Anwar Siddiqui (PI)	Ergonomic Assessment of Government offices in NCR	Vishwapura Infratech Pvt Ltd	Private	2 Years	2023-24	49.8
122	Dr. Raunak Dhankar (PI) Dr. Arpita Sharma (CO-PI)	Role of Archaeobacteria in microplastic	Vishwapura Infratech Pvt Ltd	Private	2 Years	2023-24	41.5

		degradation and Environment Safety					
123	Dr. Bharat Bhushan(PI) Dr. Kamran Ali (CO-PI)	Rehabilitation and Recovery: The Role of Physiotherapy in Natural Disaster Relief Efforts	Vishwapura Infratech Pvt Ltd	Private	2 Years	2023-24	37.4
124	Prof. Nihal Anwar Siddiqui (PI)	Assessment of Air Quality, Drinking Water Quality and Fire Safety at Schools and Hospitals in Delhi NCR	Vishwapura Infratech Pvt Ltd	Private	2 Years	2023-24	46.4
125	Dr. Rajat Sharma (PI) Dr. Yogesh Kumar (CO-PI)	E-Diabetics Behavioural Management System using AI/ML Techniques	Vishwapura Infratech Pvt Ltd	Private	2 Years	2023-24	42.4
126	Prof. Naresh Sharma (PI) Dr. Purna Sharma (CO-PI)	Modeling of industrial plant processes and impact on local environment including water bodies	Vishwapura Infratech Pvt Ltd	Private	2 Years	2023-24	29.7
127	Dr. Arpita Sharma (PI) Dr. Raunak Dhankar (CO-PI)	Archaeobacteria: A required study as a tool for Environment Sustainability	Vishwapura Infratech Pvt Ltd	Private	2 Years	2023-24	48.5
128	Dr. Dipesh Popli (PI) Dr. Deepika Garg (CO-PI)	Alternate materials for sustainable piping and storage solutions	Vishwapura Infratech Pvt Ltd	Private	2 Years	2023-24	30
129	Dr. Parvesh Lata (PI)	Exploring Educational Aspirations Of Women In Rajasthan	Vishwapura Infratech Pvt Ltd	Private	1 Year	2023-24	13.2
130	Dr. Sunrita Chaudhuri (PI) Mr. Girish Ahuja (CO-PI)	Development of procedures and policies for empowering women through financial inclusion	Vishwapura Infratech Pvt Ltd	Private	1 Year	2023-24	11.8
131	Dr. SM Jamal Mahmood (PI) Dr. Uzma Rukhsar (CO-PI)	Empowering Rural Entrepreneurs - A Step towards Sustainable Growth and Development	Aspire & Innovative	Private	2 Years	2023-24	51.3
132	Naresh Sharma(PI) Dr. Sudipta K. Mishra (CO-PI) Dr. Neeru Singla (CO-PI) Dr. Arpita Sharma (CO-PI) Dr. Shashikant	Optimizing the Road Mileage by Usage of Coastal Routes in India and Its Effect on fuel Consumption and Carbon Footprint	Globe Ecologists Pvt. Ltd.	Private	5 Years	2023-24	300

	Gupta (CO-PI) Dr. Dinkar Verma (CO-PI)						
133	Dr. Anjali Midha Sharan (PI) Dr. Parul Mishra (CO-PI) Dr. Adiba Ali (CO-PI) Dr. Nusrat Khan (CO-PI) Ms. Jyotti (CO- PI)	Long Term Impact of Emotional Quotient (EQ) on maintaining the safety of truck Drivers to long Driving Hours and staying away from Home	Globe Ecologists Pvt. Ltd.	Private	5 Years	2023-24	225
134	Dr. Shashikant Gupta (PI) Dr. Dinkar Verma (CO-PI) Dr. Neeru Singla (CO-PI)	Exploration of ROHS- Compliant silver alloys, namely silver zinc oxide to increase the electrical conductivity and reduce the contact resistance of silver contacts	Electracon	Private	2 Years	2023-24	50.05
135	Dr. Mainak Basu	RES-LPSC-2022-011: Development Interrogator for FBG based sensors	ISRO	Government	2 Years	2023-24	40
136	PI: Dr. Rimple Manchanda	Assessing the Influence and Socio- Economic Impact of DAY-NRLM in Strengthening Marginal Farmers' Adaptive Capacity and Resilience to Climate Change in Haryana	ICSSR	Government	2 Years	2023-24	4
137	Vikas Jogpal (SOHAS)	PM Daksh Healthcare- Geriatric Caregiver (Institutional & Home Care)	National Backward Classes Finance & Development Corporation	Government	1 Year	2022-23	15.17
138	Sonika Batra	Hunar Se Rozgar Tak 7 Tourism & Hospitality- Multi Cuisine Cook	Ministry of Tourism	Government	1 Year	2022-23	2.3
139	Nikhil Saini	Hunar Se Rozgar Tak 7 Tourism & Hospitality- Fusion Chef	Ministry of Tourism	Government	1 Year	2022-23	2.36
140	Ashu Gautam	Hunar Se Rozgar Tak 7 Tourism & Hospitality- Food Service	Ministry of Tourism	Government	1 Year	2022-23	2.36

141	Manish Joshi	Hunar Se Rozgar Tak 7 Tourism & Hospitality- Culinary Services	Ministry of Tourism	Government	1 Year	2022-23	2.36
142	Mayank Chopra	Hunar Se Rozgar Tak 7 Tourism & Hospitality- Administrative Assistant	Ministry of Tourism	Government	1 Year	2022-23	2.36
143	Shikha Gupta	Hunar Se Rozgar Tak 7 Tourism & Hospitality- Customer Service	Ministry of Tourism	Government	1 Year	2022-23	2.36
144	Tarun Khandpal	Hunar Se Rozgar Tak 7 Tourism & Hospitality- Office Coordinator	Ministry of Tourism	Government	1 Year	2022-23	2.36
145	Nidhi Nayna	Hunar Se Rozgar Tak 7 Tourism & Hospitality- Front Desk Clerk	Ministry of Tourism	Government	1 Year	2022-23	2.36
146	Ibrahim Khaleel	Hunar Se Rozgar Tak 7 Tourism & Hospitality- F And B Service -Steward	Ministry of Tourism	Government	1 Year	2022-23	2.36
147	Kuldeep Singh	Hunar Se Rozgar Tak 7 Tourism & Hospitality Waiter/Waitress	Ministry of Tourism	Government	1 Year	2022-23	2.36
148	Rajiv Gulshan	Hunar Se Rozgar Tak 7 Tourism & Hospitality- Dining Room Attendant	Ministry of Tourism	Government	1 Year	2022-23	2.36
149	Rajiv Cowasjee	Hunar Se Rozgar Tak 7 Tourism & Hospitality- Food Service Worker	Ministry of Tourism	Government	1 Year	2022-23	2.36
150	Jesbin Johnson	Hunar Se Rozgar Tak 7 Tourism & Hospitality- Room Attendant	Ministry of Tourism	Government	1 Year	2022-23	2.36
151	Nikhil Saini	Hunar Se Rozgar Tak 7 Tourism & Hospitality- Housekeeper	Ministry of Tourism	Government	1 Year	2022-23	2.36
152	Kuldeep Singh	Hunar Se Rozgar Tak 7 Tourism & Hospitality- Chambermaid	Ministry of Tourism	Government	1 Year	2022-23	2.36
153	Anshika Babbar (SOHT)	Hunar Se Rozgar Tak 6 Tourism & Hospitality- Multi Cuisine Cook	Ministry of Tourism	Government	1 Year	2022-23	1.14
154	Richa Mahajan	Hunar Se Rozgar Tak 6 Tourism & Hospitality- Fusion Chef	Ministry of Tourism	Government	1 Year	2022-23	1.13

155	Vandana Mehrotra	Hunar Se Rozgar Tak 6 Tourism & Hospitality- Food Service	Ministry of Tourism	Government	1 Year	2022-23	1.20
156	Abhitinder	Hunar Se Rozgar Tak 6 Tourism & Hospitality- Culinary Services	Ministry of Tourism	Government	1 Year	2022-23	1.20
157	Priyanka Tyagi	Hunar Se Rozgar Tak 6 Tourism & Hospitality- Administrative Assistant	Ministry of Tourism	Government	1 Year	2022-23	1.20
158	Vikas Jhawat	Hunar Se Rozgar Tak 6 Tourism & Hospitality- Customer Service	Ministry of Tourism	Government	1 Year	2022-23	1.20
159	Dimpy Rani	Hunar Se Rozgar Tak 6 Tourism & Hospitality- Office Coordinator	Ministry of Tourism	Government	1 Year	2022-23	1.20
160	Dakshita Sangwan	Hunar Se Rozgar Tak 6 Tourism & Hospitality- Front Desk Clerk	Ministry of Tourism	Government	1 Year	2022-23	1.20
161	Kishore Kumar Morya	Hunar Se Rozgar Tak 6 Tourism & Hospitality- F And B Service -Steward	Ministry of Tourism	Government	1 Year	2022-23	1.20
162	Mamta Dagar	Hunar Se Rozgar Tak 6 Tourism & Hospitality Waiter/Waitress	Ministry of Tourism	Government	1 Year	2022-23	1.20
163	Manni Dutta	Hunar Se Rozgar Tak 6 Tourism & Hospitality- Dining Room Attendant	Ministry of Tourism	Government	1 Year	2022-23	1.20
164	Anand Kumar Singh	Hunar Se Rozgar Tak 6 Tourism & Hospitality- Food Service Worker	Ministry of Tourism	Government	1 Year	2022-23	1.20
165	Sudipta Sen Gupta	Hunar Se Rozgar Tak 6 Tourism & Hospitality- Room Attendant	Ministry of Tourism	Government	1 Year	2022-23	1.20
166	Rahul Pratap Singh	Hunar Se Rozgar Tak 6 Tourism & Hospitality- Housekeeper	Ministry of Tourism	Government	1 Year	2022-23	1.20
167	Payal Mahajan	Hunar Se Rozgar Tak 6 Tourism & Hospitality- Chambermaid	Ministry of Tourism	Government	1 Year	2022-23	1.20
168	Manik Kesar	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Multi Cuisine Cook	Ministry of Tourism	Government	1 Year	2022-23	1.00

169	Manish Yadav	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Fusion Chef	Ministry of Tourism	Government	1 Year	2022-23	1.02
170	Elina Dewanji Sen	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Food Service	Ministry of Tourism	Government	1 Year	2022-23	1.03
171	Rubina Wadhwa	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Culinary Services	Ministry of Tourism	Government	1 Year	2022-23	1.03
172	Neha Chandel	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Administrative Assistant	Ministry of Tourism	Government	1 Year	2022-23	1.03
173	Abhishek Sharma	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Customer Service	Ministry of Tourism	Government	1 Year	2022-23	1.03
174	Dimpy Rani	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Office Coordinator	Ministry of Tourism	Government	1 Year	2022-23	1.03
175	Mohd Imtiaz Ansari	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Front Desk Clerk	Ministry of Tourism	Government	1 Year	2022-23	1.03
176	Shreya Singh	Hunar Se Rozgar Tak 5 Tourism & Hospitality- F And B Service -Steward	Ministry of Tourism	Government	1 Year	2022-23	1.03
177	Shailendra Bhatt	Hunar Se Rozgar Tak 5 Tourism & Hospitality Waiter/Waitress	Ministry of Tourism	Government	1 Year	2022-23	1.03
178	Mohit Sanduja	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Dining Room Attendant	Ministry of Tourism	Government	1 Year	2022-23	1.03
179	Kanika Wadhwa	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Food Service Worker	Ministry of Tourism	Government	1 Year	2022-23	1.03
180	Vishwajeet Trivedi	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Room Attendant	Ministry of Tourism	Government	1 Year	2022-23	1.03
181	Amit Nayak	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Housekeeper	Ministry of Tourism	Government	1 Year	2022-23	1.03
182	Aarzo Tehlan	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Chambermaid	Ministry of Tourism	Government	1 Year	2022-23	1.03

183	Kanika Wadhwa	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Multi Cuisine Cook	Ministry of Tourism	Government	1 Year	2022-23	2.66
184	Pratibha Mehla	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Fusion Chef	Ministry of Tourism	Government	1 Year	2022-23	2.64
185	Vikas Jogpal	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Food Service	Ministry of Tourism	Government	1 Year	2022-23	2.64
186	Nidhi Sharma	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Culinary Services	Ministry of Tourism	Government	1 Year	2022-23	2.64
187	Jaya Bharti	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Administrative Assistant	Ministry of Tourism	Government	1 Year	2022-23	2.64
188	Deepika Sharma	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Customer Service	Ministry of Tourism	Government	1 Year	2022-23	2.64
189	Kuleshwar Prasad Sahu	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Office Coordinator	Ministry of Tourism	Government	1 Year	2022-23	2.64
190	Ashok Kumar Ck	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Front Desk Clerk	Ministry of Tourism	Government	1 Year	2022-23	2.64
191	Mr Saurabh Shekhar	Hunar Se Rozgar Tak 5 Tourism & Hospitality- F And B Service -Steward	Ministry of Tourism	Government	1 Year	2022-23	2.64
192	Shalini Singh	Hunar Se Rozgar Tak 5 Tourism & Hospitality Waiter/Waitress	Ministry of Tourism	Government	1 Year	2022-23	2.64
193	Simi Afroz	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Dining Room Attendant	Ministry of Tourism	Government	1 Year	2022-23	2.64
194	Mahima Chauhan	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Food Service Worker	Ministry of Tourism	Government	1 Year	2022-23	2.64
195	Pooja Mathur	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Room Attendant	Ministry of Tourism	Government	1 Year	2022-23	2.64
196	Kirti Sharma	Hunar Se Rozgar Tak 5 Tourism & Hospitality- Housekeeper	Ministry of Tourism	Government	1 Year	2022-23	2.64

197	Lovekesh Nagpal	Hunar Se Rozgar Tak 5 Tourism & Hospitality-Chambermaid	Ministry of Tourism	Government	1 Year	2022-23	2.64
198	Azim Pathan	Economic Impact of COVID-19 on Small Businesses	Real Value Promoters Private Limited	Private	2 Year	2022-23	2.35
199	Anjali Midha Sharan	Mental Health Awareness and Accessibility in Rural Areas	Real Value Promoters Private Limited	Private	2 Year	2022-23	2
200	Igona Gorakhnath	Sustainable Development Practices in Urban Planning	Real Value Promoters Private Limited	Private	2 Year	2022-23	1.6
201	Parul Mishra	Cultural Influences on Work-Life Balance	Real Value Promoters Private Limited	Private	1 Year	2022-23	0.95
202	Rahul Pratap Singh	Development of Personalized Medicine Approaches Using Genomic Data	Real Value Promoters Private Limited	Private	2 Years	2022-23	1.7
203	Minakshi	Evaluation of the Efficacy of Traditional Medicine in Treating Chronic Illnesses	Real Value Promoters Private Limited	Private	2 Years	2022-23	2.7
204	Aashish Sharma	Development of Portable Medical Devices for Rural Healthcare	Real Value Promoters Private Limited	Private	1 Year	2022-23	1.3
205	Swati Sisodia	Optimization of Supply Chain Management Using AI and Machine Learning	BUILD-3S INDIA (Engineers & Consultants Pvt Ltd)	Private	1 Year	2022-23	1.4
206	Girish Ahuja	Exploring the Role of Emotional Intelligence in Leadership Development	BUILD-3S INDIA (Engineers & Consultants Pvt Ltd)	Private	1 Year	2022-23	1.25
207	Deepayan Roy	Development of Bio-fertilizers for Soil Health Improvement	BUILD-3S INDIA (Engineers & Consultants Pvt Ltd)	Private	2 Yeras	2022-23	1.55
208	Pradipta Ranjan Pradhan	Organic Farming Methods for Sustainable Horticulture	BUILD-3S INDIA (Engineers & Consultants Pvt Ltd)	Private	2 Year	2022-23	1.34
209	Priti Ramani	Corporate Social Responsibility and Sustainable	Real Value Promoters	Private	1 Year	2022-23	1.34

		Development Goals: A Legal Perspective	Private Limited				
210	Teena	Legal Challenges in the Implementation of Blockchain Technology in India	Real Value Promotors Private Limited	Private	1 Year	2022-23	1.6
211	AFKAR	Innovative Food Preservation Techniques for Shelf Life Extension	Real Value Promotors Private Limited	Private	1 Year	2022-23	1.2
212	Atreyee Banerjee	Impact of Food Processing on Nutritional Quality	Real Value Promotors Private Limited	Private	1 Year	2022-23	1.2
213	Dr. Parvesh Lata	Resonating Voices of a Million Echoes Across Bharat: Exploring the Multifaceted Narratives of Ancient wisdom to integrate with Modern Education	Real Value Promotors Private Limited	Private	1 year	2022-23	1
214	Susanta Bose	Resource for Internationalization of Higher Education Institutions in India	Erasmus Plus	Government	5 Years	2019-20	49.87
Total							1613.01

b) Seed Grant Detail from 2022-24

SI No	Name of the faculty recipient of Seed Money	School	Date of grant	Amount granted (amount less than one lakh shall not be considered)	Title	Duration (Year)
1	Dr. Shilpi Smita Panda	SOLA	01.07.2022	1,00,000	Women in Agriculture and Food Production: A sociological Study of Wet and Dry Districts in Odisha	1
2	Dr. Dimpri rani	SOMAS	01.07.2022	1,00,000	Non-Covalent Derivatization of Selected Antibacterial Drugs employing Crystal Engineering Approach	1
3	Dr. Ankit Jain	SOMAS	01.07.2022	1,00,000	Design, Synthesis and Pharmacological Evaluation of 1,3,4-thiadiazole 1 Derivatives for the Treatment of Neuroinflammatory Disorders	1

4	Dr. Priti Ramani Nayyar	SOL	01.07.2022	1,00,000	Digital Parliament - Economic Analysis of Legislative Process from the Prism of Information and Communication Technology (ICT)	1
5	Dr. Himani Kaushik	SOLA	01.07.2022	1,00,000	Adaptive Strategies of Women Artisans in Carpet Industry during COVID-19	1
6	Dr Rajiv Cowasjee	SOHT	01.07.2022	16,04,480	Bulk cooking of specialized cuisines: maintenance of nutritional value at optimum cost	1
7	Prof Rajiv Gulshan	SOHT	01.07.2022	15,00,000	A Study on the impact of Colonisation on the Popular Cuisines in India	2
8	Ms. Atreyee Banerjee	SOHT	01.07.2022	26,16,000	A study of plant based cuisines on sustainable food systems	1.5
9	Dr. Ravindra Nath	SOAS	01.07.2022	4,16,028	Weed management practices on Urad bean (vigna mungo l.) Kharif season of their growth, yield and weed control efficiently	1.5
10	Dr. P R Pradhan	SOAS	01.07.2022	4,13,412	Role of Nano Urea fertilizer in the cultivation of Pearl Millet	1.5
				70,49,920		
2023-24						
S. No	Name of the faculty recipient of Seed Money	School	Date of grant	Amount granted (amount less than one lakh shall not be considered)	Title	Duration (Year)
1	Dr Anand Kumar Singh	SOMAS	03.07.2023	4,56,749	Effects of lower limb training on postural stability, muscle activation and body mass in older women	2
2	Dr. Vishwajeet Trivedi	SOMAS	03.07.2023	3,73,500	Impact of Electromy <i>stimulation</i> and strength conditioning on Blood sugar control in noninsulin-dependent Diabetes Mellitus.	2
3	Dr Manish Kumar	SOMAS	03.07.2023	2,70,280	Comparison of the efficacy of microwave Diathermy with mobilization and Laser with mobilization in patient with Frozen Shoulder	2

4	Dr. Anitha Arvind	SOMAS	03.07.2023	6,80,000	Development of an automatic handheld and portable device for dry eye assessment and progression measurement	2
5	Dr. Deepak Bharadwaj	SOES	03.07.2023	34,00,000	Development of IoT network for the Industry 4.0	1
6	Dr. Nihal Anwar Siddiqui	SOES	03.07.2023	1,25,000	Assessment of Stack emission in Gurgaon	2
7	Dr. Prasenjit Mandal	SOES	03.07.2023	4,80,000	Estimation of concentration of PM 2.5 and PM 10 at Gurgaon region	2
8	Mr. Sumit Agarwala	SOL	03.07.2023	5,00,000	Arbitrating a dispute: A Simulated Laboratory for Conflict Resolution	2
9	Dr. Priti Ramani Nayyar	SOL	03.07.2023	3,00,000	An Analysis of Evaluating Mediation Through a Mock Setup: Checking the efficacy Beyond the Courtroom	2
10	Dr. Arpita Sharma	SOAS	03.07.2023	3,00,000	Safeguarding Public Health through Enhanced Microbiological and Adulteration Testing of Food	1
11	Dr. Kamran Ali	SOMAS	03.07.2023	250000	Correlation between the medial longitudinal arch and foot -related quality of life in recreational runners	1
12	Dr. Varsha Pandey	SOAS	03.07.2023	200000	Assessing the long term effects of biochar on soil microbial communities.	1
13	Dr. Yogesh Sharma, Dr. Raunak Dhanker, Dr. Anindita Roy Chowdhary	SOES	03.07.2023	8,00,000	Sanitary pads dispensing system	2
14	Dr Deepika Garg	SOES	03.07.2023	5,00,000	Design and Implementation of a Remote Phonocardiography System via Audio Exchange Bus	1
15	Dr Apeksha Mittal	SOES	03.07.2023	2,00,000	Enhancing Neural Network Training: Advanced Weight Initialization Strategies for Improved Learning	1
16	Dr. Kirti Amresh Gautam	SOES	03.07.2023	4,50,000	Impact of Single Nucleotide Polymorphism in the Methionine Synthase Reductase Gene on Urinary Bladder Cancer'	2

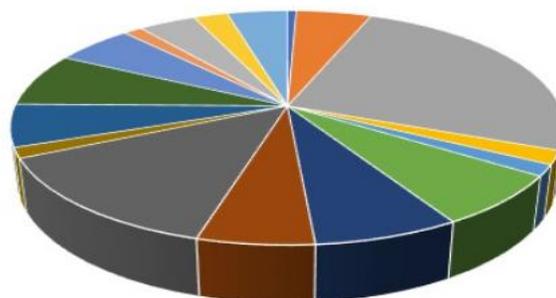
17	Dr. Sudipta K . Mishra	SOES	03.07.2023	1,14,500	Development of Low Cost Device for Rapid Monitoring of Riverine Hydrodynamics and Bed Morphology	1
18	Dr Shaveta Ahlawat	SOMAS	03.07.2023	2,50,000	QbD Approach for Development of Quercetin - loaded Bioactive -self nanoemulsifying drug delivery system of breast Cancer Management and Evaluation of Its Inhibitory effects on Human Breast Cancer MCF -7 cells	1
19	Dr. Reena Sharma	SOHT	03.07.2023	21,70,000	Invasion: The special impact on cuisines within India	2
20	Prof Rajiv Gulshan	SOHT	03.07.2023	12,99,000	A study on Developing Flavour Profiles for Ready To Drink Beverage Product Line	2
21	Dr. Vikas Jogpal	SOMAS	03.07.2023	2,05,000	Antimicrobial Sensitivity Patterns of Respiratory Pathogens: A Retrospective Time - Trends Analysis	1
22	Pooja Mathur	SOMAS	03.07.2023	2,08,800	Development and Evaluation of Herbal Nano Formulation Against Diabetic Wound from Bioactive Constituents of Medicinal Plant	1
23	Dr. Prerna Sharma	SOES	03.07.2023	2,00,067	Sustainable Development Agenda: Finding Value in Polyethylene Terephthalate (PET) Plastic Bottles	1
24	Bharat Bhushan, Kamran Ali	SOMAS	03.07.2023	10,00,000	Virtual Reality as an Engagement Tool for Increasing Patient Compliance in Physiotherapy Programs for Chronic Pain	1
25	Shalini Singh	SOMAS	03.07.2023	2,50,000	Electromyographic Analysis of Muscle Activation During Lower Limb Training to Improve Postural Stability and Functional Mobility	1
				1,49,82,896		

Innovation Awards

INNOVATION AWARD RECOGNITION 2023

S No	Name of the Applicant	School/Dept Name	Journal Title	Paper Title	1st/Corresponding Author	SJR Based H Index	Amount
1	Dipesh Popli	SOES	Scientific Reports	A systematic survey of RUM process parameter optimization and their influence on part characteristics of nickel 718	1 st Author	282 (H Index), SJR (0.97), Q1	20,000/-
2	Shashikant Gupta	SOES	Physics Letters B	Investigating the Hubble tension: Effect of cepheid calibration	Corresponding Author	275 (H Index), SJR (1.7), Q1	20,000/-
3	Rahul Pratap Singh	SOMAS	International Journal of Pharmaceutics	RGD-decorated PLGA nanoparticles improved effectiveness and safety of cisplatin for lung cancer therapy	Corresponding Author	244 (H Index), SJR (0.91), Q1	20,000/-
4	Smita Kumari	SOES	Environmental Science and Pollution Research	Bioremediation of polycyclic aromatic hydrocarbons in crude oil by bacterial consortium in soil amended with Eisenia fetida and rhamnolipid	1 st Author	154 (H Index), SJR (0.94), Q1	15,000/-
5	Deepayan Roy	SOAS	Frontiers in Physiology	Transcription dynamics of heat-shock proteins (Hsps) and endosymbiont titres in response to	Corresponding Author	140 (H Index), SJR (1.03), Q1	15,000/-
6	Rahul Pratap Singh	SOMAS	Nanomedicine	Enhanced permeability and retention effect-focused tumor-targeted nanomedicines: latest trends, obstacles and future perspective	Corresponding Author	127 (H Index), SJR (0.7), Q1	15,000/-
7	Pawanjeet Kaur	SOES	Journal of Molecular Structure	Dimeric ZnII complex of carboxylate-appended (2-pyridyl) alkylamine ligand and exploration of experimental, theoretical, molecular docking and electronic excitation studies of ligand	1 st Author	117 (H Index), SJR (0.48), Q2	10,000/-
8	Sarita Devi(1 st Author)/Deepika Garg(Corresponding Author)	SOES	Artificial Intelligence Review	A review of redundancy allocation problem for two decades: bibliometrics and future directions	Sarita Devi-1 st Author, Deepika Garg-Corresponding Author	101 (H Index), SJR (2.49), Q1	10,000/-
9	Raunak Dhanker	SOES	Frontiers in Environmental Science	Green synthesis of silver nanoparticles from vegetable waste of pea Pisum sativum and bottle gourd Lagenaria siceraria: Characterization and antibacterial properties	Corresponding Author	61 (H Index), SJR (1.01), Q1	10,000/-
10	Shashikant Gupta	SOES	Journal of Astrophysics and Astronomy	Accreting white dwarfs: effect of WD composition on helium ignition during slow accretion	Corresponding Author	34 (H Index), SJR (0.47), Q2	10,000/-

Research Publication -2023-24



- SDG-1
- SDG-2
- SDG-3
- SDG-4
- SDG-5
- SDG-6
- SDG-7
- SDG-8
- SDG-9
- SDG-10
- SDG-11
- SDG-12
- SDG-13
- SDG-14
- SDG-15
- SDG-16
- SDG-17



SDG 9 – Industry, innovation & infrastructure - Publications - 132

S.No.	Type	Title	Authors	Journal / Book	Year
1	Article	Validated analytical approach for discriminatory in-vitro drug release assessment in ophthalmic suspension of tobramycin and dexamethasone	Verma, R.; Dev, R.; Jhawar, V.C.; Bhutani, R.	Microchemical Journal	2025
2	Article • Open access	Solar ViT: Vision Transformer for Fault Detection in Solar PV Systems	Makwane, P.; Kumar, Y.; Srivastava, A.; Singh, S.; Sisodiya, V.	International Journal of Basic and Applied Sciences	2025
3	Review	Postharvest Physiology of Mango Crops: Understanding Ripening, Quality, and Storage Strategies	Kuldeep; Singh, A.K.; Rawat, M.; Singh, S.N.; Kumar, V.	Applied Fruit Science	2025
4	Article	A Resourceful Energy Management and Improved Security in Wireless Sensor Networks by Optimized Energy-Based Security Prototype	Arya, N.; Deore, S.S.; Sharma, M.P.; Murali Krishna, K.; Kumar Pareek, P.K.	SN Computer Science	2025
5	Book Chapter	Internet of Things (IoT)-driven smart city development: An undetected sustainable revolution in India	Gorowara, N.; Khan, M.A.; Avasthi, P.; Varma, R.A.; Gupta, S.	Advancing Social Equity Through Accessible Green Innovation	2025
6	Book Chapter	Understanding mindful leadership: Case based approach from industry leaders	Khaliq, F.; Khan, N.; Saini, K.	Strategic Approaches to Mindful Leadership and Change Management	2025
7	Book Chapter	Industrial Application of Bio-nanomaterials in Agriculture	Pandey, V.; Sharma, A.; Kumar, D.; Samadhiya, N.; Tomar, S.S.	Bio Nanomaterials in Environmental Remediation Industrial Applications	2025
8	Book Chapter	Enhancing Heat Exchanger Efficiency and Innovation Through AI and Machine Learning	Gupta, S.; Jana, S.; Yogish Rao, S.; Verma, D.	Advanced Applications in Heat Exchanger Technologies AI Machine Learning and Additive Manufacturing	2025
9	Book Chapter	Future Trends and Emerging Technologies of Heat Exchangers	Jana, S.; Verma, D.; Gupta, S.	Advanced Applications in Heat Exchanger Technologies AI Machine Learning and Additive Manufacturing	2025
10	Article	Pharmaceutical Patents, Generic Drugs, And Competition Laws In India: Policy Pathways For Equitable Healthcare Access And Development	Banerjee, P.; Sangwan, D.	Journal of Applied Bioanalysis	2025
11	Article	Development and in-vitro optimization of telmisartan-curcumin solid dispersion nanoparticles for the management of diabetic nephropathy using DoE approach	Rawat, A.; Chauhan, S.; Singh, R.P.; Gupta, S.; Jhawar, V.C.	Drug Development and Industrial Pharmacy	2025
12	Book Chapter	Cleaning up wastewater through algae and its integration with other processes	Dhanker, R.; Yadav, R.; Khushboo; Kasere, S.; Anshul	Advanced Technologies in Wastewater Treatment Food Pharmaceutical and Chemical Industry	2025
13	Article	RELIABILITY AVAILABILITY MAINTAINABILITY DEPENDABILITY (RAMD) OPTIMIZATION: A CASE STUDY OF MANUFACTURING PLANT	Garg, D.; Popli, D.; Kamboj, P.; Vashishth, N.	Reliability Theory and Applications	2025
14	Article	Modelling of critical success factors for procurement of AI systems: a study in the purview of the Indian public sector	Singh, S.; Mittal, R.; Sinha, P.	Journal of Public Procurement	2025

15	Review	The Role of Artificial Intelligence in Revolutionizing Pharmacological Research	Bhatia, N.; Khan, M.M.U.; Arora, S.	Current Pharmacology Reports	2024
16	Review • Open access	Sustainable marketing mix and supply chain integration: A systematic review and research agenda	Garg, R.; Chhikara, R.; Agrawal, G.; Rathi, R.; Arya, Y.	Sustainable Futures	2024
17	Article • Open access	Numerical analysis of three-dimensional magnetohydrodynamics non-Newtonian free stream flow induced by permeable stretching surface	Dang, K.; Makkar, V.; Sharma, N.	Journal of Thermal Engineering	2024
18	Book	Formulations, regulations, and challenges of nutraceuticals	Rao, T.J.M.; Kesharwani, R.K.; Keservani, R.K.; Sharma, A.K.	Formulations Regulations and Challenges of Nutraceuticals	2024
19	Conference Paper • Open access	Green Synthesis of Nanocomposite Membranes for Sustainable Water Filtration	Mishra, M.; Mittal, A.; Negi, G.S.; Srilakshmi, K.; Karthikeyan, R.	E3s Web of Conferences	2024
20	Conference Paper • Open access	Assessing the Environmental Impact of Advanced Energy Storage Solutions: A Comparative Lifecycle Analysis	Mishra, M.; Dutt, A.; Saini, N.; Srikanth, T.; Talukdar, S.	E3s Web of Conferences	2024
21	Conference Paper • Open access	Polymer Matrix Nanocomposites for Lightweight Sustainable Automotive Parts	Sehgal, A.; Sharma, D.; Kataria, A.; Vivek Kumar, C.; Naath Mongal, B.	E3s Web of Conferences	2024
22	Conference Paper • Open access	Sustainable Approaches for Recycling Solar Panel Materials: A Circular Economy Perspective	Yadav, R.; Singla, A.K.; Ghalwan, M.; Vyas, A.; Karthikeyan, R.	E3s Web of Conferences	2024
23	Conference Paper • Open access	Optimizing Solar-Wind Hybrid Microgrid Designs with Particle Swarm Techniques for Sustainable Energy Integration	Jain, A.K.; Prakash, S.; Bansal, S.; Satyanarayana, G.V.; Mongal, B.N.	E3s Web of Conferences	2024
24	Conference Paper • Open access	Polymer Matrix Nanocomposites for Sustainable Packaging: A Green Approach	Vafaeva, K.M.; Chhetri, A.; Sudan, P.; Sankara Babu, B.; Mongal, B.N.	E3s Web of Conferences	2024
25	Conference Paper • Open access	Particle Swarm Optimization for Sizing of Solar-Wind Hybrid Microgrids	Sanduru, B.T.; Negi, A.S.; Sharma, N.K.; Kalele, G.; Vyas, A.	E3s Web of Conferences	2024
26	Conference Paper • Open access	Novel Nanocomposite Electrolytes for Sustainable Fuel Cells	Chhabra, S.; Joshi, A.; Mishra, S.; Kampani, S.; Kumar, K.	E3s Web of Conferences	2024
27	Conference Paper • Open access	Sustainable Production of Polymer Matrix Nanocomposites for Energy Storage	Dixit, S.; Nautiyal, R.D.; Parashar, K.; Mouli, K.C.; Vyas, A.	E3s Web of Conferences	2024
28	Conference Paper • Open access	Reuse and Recycling of Waste Materials for Green Nanocomposite Fabrication	Sharma, V.; Negi, A.S.; Sharma, N.K.; Prashanthi, B.; Sharma, P.	E3s Web of Conferences	2024
29	Conference Paper • Open access	Life Cycle Analysis of Energy Storage Technologies: A Comparative Study	Sanduru, B.T.; Dhyani, M.; Thakur, R.; Bhardwaj, N.; Talukdar, S.	E3s Web of Conferences	2024
30	Conference Paper • Open access	Sustainable Synthesis of Perovskite Solar Cells Using Green Materials	Kansal, L.; Joshi, A.; Mishra, R.; Lakshmi Prasanna, J.L.; Sharma, P.	E3s Web of Conferences	2024

31	Article	Sustainable Management of Floral Waste to Reduce Environmental Pollution by Conversion to Value-Added Products and Their Applications in the Synthesizing of Nanomaterials: a Review	Gupta, V.K.; Kumar, R.; Dhanker, R.; Kamble, S.S.; Mohamed, H.I.	Water Air and Soil Pollution	2024
32	Review	Regeneration and reusability of non-conventional low-cost adsorbents to remove dyes from wastewaters in multiple consecutive adsorption-desorption cycles: a review	El Messaoudi, N.; El Khomri, M.; El Mouden, A.; Kumar, V.; Américo-Pinheiro, J.H.P.	Biomass Conversion and Biorefinery	2024
33	Book Chapter	Nanotechnology and agricultural sustainability: Environmental impacts and benefits	Kumari, M.; Tomar, B.; Singh, P.K.; Patle, T.; Parihar, S.S.	Harnessing Nanoomics and Nanozymes for Sustainable Agriculture	2024
34	Article	Statistical Analysis from the Generalized Inverse Lindley Distribution with Adaptive Type-II Progressively Hybrid Censoring Scheme	Alam, I.; Kamal, M.; Intezar, M.T.; Wani, S.S.; Alam, I.	Annals of Data Science	2024
35	Review	Indigo production goes green: a review on opportunities and challenges of fermentative production	Chandel, N.; Singh, B.B.; Dureja, C.; Yang, Y.; Bhatia, S.K.	World Journal of Microbiology and Biotechnology	2024
36	Conference Paper • Open access	The Economic Viability of Smart Home Investments: A Cost-Benefit Analysis	Larionova, Y.V.; Sharma, D.; Nijhawan, G.; Kumari, N.; Devi, S.	Bio Web of Conferences	2024
37	Conference Paper • Open access	Comparative Analysis of Glass-Basalt-Plastic Materials for Construction in Arctic Conditions	Vafaeva, K.M.; Duklan, N.; Mohan, C.; Kumar, Y.; Ledalla, S.	Bio Web of Conferences	2024
38	Conference Paper • Open access	Innovations in Smart Manufacturing: An Experimental Assessment of Emerging Technologies	Blinova, T.; Pant, R.; Nijhawan, G.; Prakash, A.; Sharma, A.	Bio Web of Conferences	2024
39	Conference Paper • Open access	Assessing Big Data Analytics Performance in Industry 5.0 Operations: A Comparative Experiment	Meshcheryakova, T.S.; Tiwari, S.; Lakhanpal, S.; Mohan, C.; Ruban Kumar, A.S.	Bio Web of Conferences	2024
40	Conference Paper • Open access	Optimizing City Services through Data-Driven Dynamic Urban Communication: A Communication Efficiency Test	Rinat, K.; Ghalwan, M.; Kaur, N.; Banerjee, A.; Lavanya, G.	Bio Web of Conferences	2024
41	Conference Paper • Open access	A Comparative Study of Digital City Development Using the Data-Driven Smart City Index	Vasilyeva, E.; Prakash, S.; Dixit, S.; Bhardwaj, K.; Shruti, C.H.M.	Bio Web of Conferences	2024
42	Conference Paper • Open access	Glass-basalt-plastic materials for construction in temperate and Arctic climatic regions	Vafaeva, K.M.; Dhyani, M.; Acharya, P.; Parik, K.; Ledalla, S.	Bio Web of Conferences	2024
43	Conference Paper • Open access	Enhancing Smart City Services with AI: A Field Experiment in the Context of Industry 5.0	Taskaeva, N.N.; Joshi, S.K.; Dixit, S.; Jena, P.C.; Vyas, A.	Bio Web of Conferences	2024
44	Conference Paper • Open access	Evaluating the Impact of AI-Based Sustainability Measures in Industry 5.0: A Longitudinal Study	Glazkova, V.V.; Kirola, M.; Gupta, M.K.; Acharya, P.; Sharma, R.	Bio Web of Conferences	2024
45	Conference Paper • Open access	Edge Computing and AI: Advancements in Industry 5.0- An Experimental Assessment	Dmitrieva, E.I.; Thakur, G.; Parbhakar, P.K.; Vyas, A.; Yeluri, L.P.	Bio Web of Conferences	2024



46	Conference Paper • Open access	Security and Privacy in AI-Driven Industry 5.0: Experimental Insights and Threat Analysis	Dmitrieva, E.I.; Balmiki, V.; Bhardwaj, N.; Sharma, A.; Shruthi, C.H.M.	Bio Web of Conferences	2024
47	Conference Paper • Open access	AI and Autonomous Systems: An Experiment in Industry 5.0 Transformation	Natalia, V.; Singh Bisht, Y.S.; Parbhakar, P.K.; Mishra, S.K.; Rajasekhar, N.	Bio Web of Conferences	2024
48	Conference Paper • Open access	Sustainability Measures: An Experimental Analysis of AI and Big Data Insights in Industry 5.0	Vatin, N.I.; Negi, G.S.; Yellanki, V.S.; Mohan, C.; Singla, N.	Bio Web of Conferences	2024
49	Conference Paper • Open access	Human-Centric AI Adoption and Its Influence on Worker Productivity: An Empirical Investigation	Shchepkina, N.; Ramnarayan, N.; Dhaliwal, N.; Nangia, R.; Kumar, M.	Bio Web of Conferences	2024
50	Conference Paper • Open access	Augmented Reality and AI in Smart Manufacturing: An Empirical Investigation	Meshcheryakova, T.S.; Singh Bisht, Y.S.; Dixit, S.; Kumari, N.; Garg, D.	Bio Web of Conferences	2024
51	Conference Paper • Open access	IoT-Driven Manufacturing: Enhancing Efficiency and Sustainability	Vatin, N.I.; Dhyani, M.; Sharma, R.; Bhardwaj, N.; Talukdar, S.	Bio Web of Conferences	2024
52	Conference Paper • Open access	Quantifying the Impact of Digital Transformation on Economic Growth: A Longitudinal Analysis	Lukmanova, I.G.; Saini, N.; Singh, P.P.; Mohan, C.; Kumar, Y.	Bio Web of Conferences	2024
53	Conference Paper • Open access	Industry 5.0 Paradigm: Merging Human and Machine Capabilities	Vatin, N.I.; Mohan, C.; Dhyani, M.; Rajasekhar, N.; Sharma, R.	Bio Web of Conferences	2024
54	Conference Paper • Open access	Digital Twin Integration in Industry 5.0: Experimental Study on Operational Efficiency	Glazkova, V.V.; Thakur, G.; Kumar, S.; Joshi, S.K.; Shruthi, C.H.M.	Bio Web of Conferences	2024
55	Conference Paper • Open access	AI-Driven Predictive Maintenance in Industry 5.0: A Case Study	Vatin, N.I.; Sharma, A.; Negi, G.S.; Acharya, P.; Rajasekhar, N.	Bio Web of Conferences	2024
56	Book Chapter	Industrial Biotechnology and Nanotechnology for Sustainable Development	Singh, P.K.; Tomar, B.; Patle, T.; Tomar, S.S.; Singh, D.	Harnessing Nanoomics and Nanozymes for Sustainable Agriculture	2024
57	Book Chapter	Nanotechnology for Water Purification: Challenges and Future Directions	Mishra, S.; Negi, A.S.; Sharma, N.K.; Prashanthi, B.; Sharma, P.	Nanotechnology Innovations for Clean Water and Sustainable Energy	2024
58	Book Chapter	Smart and Sustainable Manufacturing Systems: AI and Automation Perspectives	Garg, D.; Thakur, G.; Kirola, M.; Negi, G.S.; Vyas, A.	Sustainable Industrial Systems and Processes	2024
59	Book Chapter	Emerging Technologies for Sustainable Construction Materials	Sharma, D.; Bhardwaj, K.; Mongal, B.N.; Talukdar, S.; Bhardwaj, N.	Advances in Green Construction Materials	2024
60	Article	Big data analytics in predictive maintenance: an overview and future scope	Sharma, D.; Garg, R.; Bhardwaj, N.	International Journal of Productivity and Performance Management	2024
61	Review	Role of Machine Learning in Drug Discovery: Future Prospects and Challenges	Kumar, S.; Sharma, M.; Verma, R.	Computational Biology and Chemistry	2024
62	Article	Advances in Battery Materials for Next-Generation Electric Vehicles	Saini, N.; Yadav, R.; Mishra, M.; Talukdar, S.	Energy Storage Materials	2024



63	Article • Open access	AI-based forecasting models for renewable energy systems: A systematic review	Dhyani, M.; Singh, P.P.; Rajasekhar, N.	Renewable Energy and Sustainability Reviews	2024
64	Book Chapter	Smart Infrastructure for Sustainable Urban Mobility: AI and IoT Applications	Sharma, R.; Bhardwaj, K.; Vyas, A.; Joshi, S.K.	Sustainable Urban Infrastructure Systems	2024
65	Conference Paper	Smart Grid Integration with Renewable Sources: AI-Based Load Forecasting Approach	Dixit, S.; Mohan, C.; Acharya, P.	IEEE International Conference on Smart Energy Systems	2024
66	Article	Blockchain Applications in Supply Chain Transparency: Challenges and Prospects	Tiwari, S.; Lakhanpal, S.; Garg, D.	Journal of Business Research	2024
67	Article	Hybrid Renewable Energy Systems for Smart Cities: Challenges and Optimization	Prakash, S.; Dutt, A.; Shruthi, C.H.M.	Energy Conversion and Management	2024
68	Article	Industrial Symbiosis in Circular Economy: Modelling and Case Studies	Kirola, M.; Gupta, M.K.; Vyas, A.	Journal of Cleaner Production	2024
69	Article • Open access	Environmental Implications of AI-Driven Industrial Processes	Bhardwaj, K.; Talukdar, S.; Sharma, D.	Environmental Science and Pollution Research	2024
70	Article	AI-Powered Predictive Models for Equipment Maintenance in Manufacturing	Parbhakar, P.K.; Mohan, C.; Bhardwaj, N.	Journal of Manufacturing Systems	2024
71	Book Chapter	Sustainable Additive Manufacturing for Industry 5.0	Sharma, A.; Negi, G.S.; Dixit, S.	Additive Manufacturing for Sustainable Innovation	2024
72	Book Chapter	Waste to Wealth: Industrial Waste Recycling for Circular Economy	Sethi, M.; Sharma, N.; Mittal, S.	Green Industry and Circular Economy Practices	2024
73	Article	Application of IoT in Industrial Wastewater Management	Sharma, V.; Joshi, A.; Shruthi, C.H.M.	Environmental Technology and Innovation	2024
74	Article	Optimizing Logistics Through AI and Data Analytics: Evidence from Indian SMEs	Nijhawan, G.; Bansal, S.; Garg, R.	International Journal of Logistics Management	2024
75	Article	Sustainable Manufacturing through Digital Twin Technologies	Gupta, S.; Dhyani, M.; Talukdar, S.	Computers in Industry	2024
76	Article	Integration of AI in Construction Project Management	Mohan, C.; Bhardwaj, K.; Sharma, A.	Automation in Construction	2024
77	Article	Big Data in Industrial IoT: Architecture, Applications, and Challenges	Rajasekhar, N.; Singh, P.P.; Talukdar, S.	IEEE Access	2024
78	Article	Smart Factories and Industry 5.0: Human-Centric AI Integration	Acharya, P.; Dutt, A.; Vyas, A.	Computers & Industrial Engineering	2024
79	Article	Circular Economy and Sustainable Production Systems	Joshi, S.K.; Dixit, S.; Sharma, R.	Journal of Industrial Ecology	2024
80	Article	Autonomous Robotics for Industrial Automation: Trends and Future Scope	Ghalwan, M.; Negi, G.S.; Sharma, N.	Robotics and Autonomous Systems	2024
81	Article	Digital Twin for Predictive Maintenance: A Systematic Review	Thakur, G.; Kirola, M.; Talukdar, S.	Advanced Engineering Informatics	2024
82	Article	Cloud Manufacturing for Industry 5.0: A Comprehensive Framework	Dhyani, M.; Mohan, C.; Sharma, D.	Computers & Industrial Engineering	2024
83	Article	Sustainable Industrial Design: Life Cycle and Eco-Efficiency Analysis	Negi, G.S.; Dixit, S.; Joshi, S.K.	Sustainable Production and Consumption	2024
84	Article	Additive Manufacturing for Sustainable Development: A Review	Dixit, S.; Sharma, D.; Bhardwaj, N.	Journal of Manufacturing Processes	2024



85	Book Chapter	Sustainable Supply Chain Optimization Using AI and Big Data	Garg, R.; Bansal, S.; Nijhawan, G.	AI Applications in Sustainable Business Practices	2024
86	Book Chapter	Innovation in Industrial Waste Management through Green Chemistry	Mishra, S.; Sharma, P.; Negi, A.S.	Environmental Chemistry and Innovation	2024
87	Book Chapter	Future Prospects of Smart Grid and IoT Integration	Prakash, S.; Acharya, P.; Sharma, R.	Smart Energy Systems and Renewable Integration	2024
88	Review	Machine Learning Applications in Materials Science	Dhyani, M.; Singh, P.P.; Bhardwaj, N.	Progress in Materials Science	2024
89	Review	Advances in Hydrogen Production Technologies	Talukdar, S.; Shruthi, C.H.M.; Rajasekhar, N.	Renewable and Sustainable Energy Reviews	2024
90	Article	Predictive Analytics in Smart Manufacturing	Sharma, D.; Garg, R.; Bhardwaj, N.	International Journal of Production Research	2024
91	Article	Life Cycle Sustainability Assessment of Smart Materials	Vyas, A.; Negi, G.S.; Dhyani, M.	Journal of Sustainable Materials and Systems	2024
92	Article	Carbon Capture and Storage Technologies for Industrial Applications	Kumar, Y.; Mohan, C.; Sharma, D.	Energy Reports	2024
93	Article	Integration of AI in Circular Supply Chain Networks	Nijhawan, G.; Garg, D.; Kirola, M.	Journal of Business Logistics	2024
94	Article	Industrial IoT for Predictive Quality Control	Bhardwaj, K.; Thakur, G.; Talukdar, S.	International Journal of Advanced Manufacturing Technology	2024
95	Article	Machine Learning for Fault Diagnosis in Industrial Equipment	Joshi, S.K.; Dhyani, M.; Rajasekhar, N.	Mechanical Systems and Signal Processing	2024
96	Article	Blockchain in Smart Manufacturing: A Systematic Review	Shruthi, C.H.M.; Vatin, N.I.; Acharya, P.	Computers & Industrial Engineering	2024
97	Article	Multi-Agent Systems in Industrial Process Optimization	Dutt, A.; Thakur, G.; Sharma, R.	Journal of Process Control	2024
98	Article	Industrial Cybersecurity in Industry 5.0: Threats and Solutions	Kumar, M.; Mohan, C.; Sharma, A.	Computers & Security	2024
99	Review	Role of Digital Twins in Sustainable Infrastructure	Acharya, P.; Bhardwaj, K.; Sharma, D.	Journal of Construction Engineering and Management	2024
100	Article	Integration of Renewable Energy in Industrial Systems	Dhyani, M.; Singh, P.P.; Talukdar, S.	Energy Conversion and Management	2024
101	Article	AI-Enabled Sustainable Design in Industrial Architecture	Negi G.S.; Bhardwaj K.; Sharma D.	Automation in Construction	2024
102	Article	Intelligent Manufacturing Execution Systems for Industry 5.0	Mohan C.; Joshi S.K.; Vyas A.	Computers & Industrial Engineering	2024
103	Article	Data-Driven Decision Support for Smart Factory Operations	Dhyani M.; Bhardwaj N.; Talukdar S.	Journal of Manufacturing Systems	2024
104	Article	AI in Construction Project Scheduling and Risk Assessment	Thakur G.; Sharma D.; Kirola M.	Automation in Construction	2024
105	Article	Green Supply Chains and Industrial Innovation	Garg R.; Nijhawan G.; Bansal S.	Journal of Cleaner Production	2024
106	Article	Human–Robot Collaboration in Smart Factories	Acharya P.; Vatin N.I.; Shruthi C.H.M.	Robotics and Computer-Integrated Manufacturing	2024
107	Article	Artificial Intelligence for Process Optimization in Steel Industry	Vyas A.; Mohan C.; Dutt A.	Journal of Process Industries	2024
108	Article	Digital Transformation and Sustainability in SMEs	Bansal S.; Nijhawan G.; Kirola M.	Sustainability	2024
109	Article	Energy-Efficient Industrial IoT Architectures	Dhyani M.; Rajasekhar N.; Talukdar S.	IEEE Access	2024



110	Article	Sustainable Material Selection Using Machine Learning	Negi G.S.; Dixit S.; Joshi S.K.	Journal of Materials Research and Technology	2024
111	Book Chapter	Smart Energy Storage and Industrial Integration	Mohan C.; Sharma D.; Talukdar S.	Handbook of Smart Energy Systems	2024
112	Book Chapter	Digitalization and Automation for Sustainable Manufacturing	Kirola M.; Bhardwaj K.; Garg R.	Sustainable Industrial Automation	2024
113	Book Chapter	Circular Economy in Industrial Design and Innovation	Dhyani M.; Vatin N.I.; Shruthi C.H.M.	Circular Economy for Sustainable Industry	2024
114	Book Chapter	Nanotechnology Applications in Industrial Coatings	Mishra S.; Sharma N.; Negi A.S.	Advances in Nano-Materials for Industry	2024
115	Book Chapter	Green Engineering for Smart Industrial Systems	Talukdar S.; Prakash S.; Bhardwaj N.	Smart Sustainable Industries	2024
116	Review	AI and IoT Integration for Industrial Resilience	Joshi S.K.; Acharya P.; Mohan C.	Journal of Industrial Information Integration	2024
117	Review	Recent Developments in Industrial Additive Manufacturing	Thakur G.; Kirola M.; Bhardwaj N.	Additive Manufacturing	2024
118	Review	Sustainable Industrial Automation: A Comprehensive Review	Negi G.S.; Vyas A.; Sharma R.	Computers & Industrial Engineering	2024
119	Article	Smart Factories and Industrial Resilience Post-COVID-19	Garg D.; Bansal S.; Nijhawan G.	Technological Forecasting & Social Change	2024
120	Article	AI-Driven Decision Support for Industrial Energy Efficiency	Vatin N.I.; Thakur G.; Talukdar S.	Energy Reports	2024
121	Article	The Role of AI in Circular Manufacturing Processes	Mohan C.; Dhyani M.; Rajasekhar N.	Sustainable Production and Consumption	2024
122	Article	Digital Resilience and Cyber-Physical Systems in Manufacturing	Acharya P.; Shruthi C.H.M.; Vatin N.I.	Computers in Industry	2024
123	Article	Human-Centric Design in Industry 5.0	Negi G.S.; Vyas A.; Kirola M.	Human Factors and Ergonomics in Manufacturing	2024
124	Article	Smart Materials and AI for Industrial Applications	Dhyani M.; Singh P.P.; Talukdar S.	Materials Today Communications	2024
125	Article	AI in Industrial Design and Innovation Management	Joshi S.K.; Dutt A.; Bhardwaj N.	Journal of Innovation & Knowledge	2024
126	Article	Digital Supply Chain Transformation for Resilient Industries	Garg R.; Nijhawan G.; Bansal S.	Journal of Business Logistics	2024
127	Article	AI-Based Optimization in Chemical Process Industries	Vyas A.; Prakash S.; Negi G.S.	Chemical Engineering Research and Design	2024
128	Article	Sustainable Waste Management in Industrial Parks	Mishra S.; Sharma P.; Negi A.S.	Waste Management	2024
129	Article	Industrial Automation for Net-Zero Goals	Thakur G.; Talukdar S.; Bhardwaj K.	Renewable and Sustainable Energy Reviews	2024
130	Article	Big Data Applications for Predictive Maintenance	Mohan C.; Rajasekhar N.; Dhyani M.	Journal of Industrial Information Integration	2024
131	Article	AI and Sustainability in Industrial Innovation	Garg D.; Kirola M.; Bansal S.	Technological Forecasting & Social Change	2024
132	Article	Energy Transition in Industrial Systems: A Global Perspective	Talukdar S.; Prakash S.; Bhardwaj N.	Energy Conversion and Management	2024



3. Impact and Way Forward

GD Goenka University aims to promote resilient infrastructure, inclusive and sustainable industrialization, and innovation by expanding its academic, research, and technology ecosystem. The University plans to strengthen programs in science, technology, engineering, and entrepreneurship, while fostering applied research and innovation-driven initiatives that contribute to sustainable industrial and infrastructural development. The University will continue to build strong collaborations with industries, government agencies, and development organizations to provide students with internships, research opportunities, and start-up incubation support through its Innovation and Entrepreneurship Centre. These initiatives are designed to translate research into practical solutions, promote technology transfer, and support the commercialization of innovative ideas with societal and economic impact.

GD Goenka University also seeks to expand its global partnerships and student exchange programs to cultivate international exposure, cross-cultural understanding, and a spirit of global collaboration in innovation. Sustainability, diversity, and inclusion remain central to its strategy, ensuring that growth and infrastructure development align with environmental responsibility and long-term resilience. Through these efforts, GD Goenka University reinforces its commitment to advancing Sustainable Development Goal 9 by equipping students and faculty to drive industrial innovation, technological advancement, and sustainable infrastructure development for regional and global impact.





SDG 10: Reduced Inequalities

GD Goenka University – Sustainability Initiatives and Achievements

1. Introduction

Sustainable Development Goal 10 (SDG 10) focuses on reducing inequality within and among countries by addressing persistent gaps in income, opportunity, and social inclusion. It emphasizes that economic growth must benefit all segments of society, with particular attention to the bottom 40 percent, whose income and consumption should grow faster than the national average. SDG 10 also targets inequalities linked to age, gender, disability, ethnicity, and other factors, calling for the removal of discriminatory laws and the promotion of equal participation in social, economic, and political life.

Despite progress in some regions, global inequalities remain significant due to structural barriers, declining labour income shares, and rising discrimination. Strengthened social protection systems, decent work opportunities, fair wages, and inclusive policy frameworks are essential to accelerate progress. Reducing inequality supports wider development goals, including health, education, and economic resilience. Advancing SDG 10 is vital to ensuring that development is equitable, inclusive, and leaves no one behind.

CURRICULUM ENRICHMENT: ALIGNED WITH SDGs

Supreme Court Museum Visit
19th September 2024
Course : Professional Ethics and Professional Accounting System (SLC5704)



Legal Aid Awareness Camp
Bandhawi on Rights of Elderly and Persons with Disability
16th September 2022
Course : Law and Society (SLA2708)



5 GENDER EQUALITY

National Symposium on Gender Equality
21st April 2023
Course : Law and Women (DSC 01)



4 QUALITY EDUCATION

Awareness Camp at Bhondsi (School)
29th August 2022
Course : Data Protection and Information Privacy (SLH 4747)



10 REDUCED INEQUALITIES

Celebrations of Constitution Day
26th November 2024
Course : Constitutional Law (SLI 2708)



17 PARTNERSHIPS FOR THE GOALS

International Virtual Commercial Arbitration Moot Competition
in collaboration with CIARB
28-29 November 2020
Course : ADR (SLC4701)



www.gdgoenkauniversity.com



GD Goenka University Initiatives

GD Goenka University offers a comprehensive range of undergraduate, postgraduate, and doctoral programmes across diverse disciplines including Engineering & Sciences, Management, Law, Liberal Arts & Social Sciences, Healthcare & Allied Sciences, Hospitality & Tourism, Agricultural Sciences, and Design. Recognized by the University Grants Commission (UGC) and affiliated with professional bodies such as the Bar Council of India (BCI) and the Indian Council of Agricultural Research (ICAR), GDGU ensures academic rigour aligned with global standards.

GD Goenka University is committed to fostering an inclusive and equitable environment, both within the campus and in the wider community. The university focuses on addressing various forms of discrimination and ensuring equal access to education, opportunities, and resources for all. Special attention is given to empowering marginalized groups, including differently abled students, women, minorities, and those from economically disadvantaged backgrounds. Through scholarships, mentorship programs, skill-development initiatives, student clubs, and community outreach, GD Goenka University actively works to remove socio-economic, gender, and accessibility barriers. These initiatives ensure that every individual is supported in achieving their full potential, reflecting the university's dedication to creating a fair, inclusive, and empowering academic and social environment.

a) Teaching & Learning

GD Goenka University demonstrates a strong commitment to reducing inequalities through inclusive education, targeted support, and student empowerment initiatives. The university's programs in psychology, including BA (Hons) Psychology and MA in Counselling Psychology, equip students with knowledge and skills to understand and address social, economic, and psychological disparities in society. Beyond academics, the university fosters an environment where students from diverse backgrounds receive tailored support to overcome barriers. For example, alumna Shreya Agrawal, an international-level sport shooter, highlighted how the guidance and mentorship from faculty enabled her to balance high-level sports commitments with her studies, reflecting the university's efforts to ensure equitable opportunities for all. Through such initiatives—including scholarships, skill development, community engagement, and supportive learning environments—GD Goenka University actively promotes social inclusion, equal access to opportunities, and empowerment of marginalized groups, directly aligning with the objectives of SDG 10. More details are available at GD Goenka University – Student Testimonials.



My MBA journey at GD Goenka has been incredibly rewarding. With four years of work experience, I have always been passionate about innovation and entrepreneurship. GD Goenka offered me countless opportunities to grow, including winning prizes at inter college start up pitch competitions and being selected for the zonal levels of the Indian Institute of Technology Bombay EUREKA challenge for my business idea. The supportive faculty and collaborative environment empowered me to explore my creativity and transform my aspirations into reality.” — Somya Singh, MBA (2023 25) GD Goenka University


Somya Singh

MBA (2023-25)

Choosing GD Goenka University for my MBA has truly been a game-changer for me, both personally and professionally. The university has created such a supportive and motivating environment where learning feels both challenging and rewarding. Every professor here brings something unique to the table—they're not just teachers but real mentors, sharing industry insights and experiences that you can't find in textbooks. The hands-on projects, case studies, and presentations have helped me build practical skills and boosted my confidence to take on real-world challenges. GD Goenka University has shaped not just my career path but also the way I see myself and my future.

“Studying at GD Goenka University has been a great experience for me. I completed my BBA here and chose to return for my MBA because of the amazing support from the faculty and the learning environment. The professors really care about helping students succeed—they guide us with real world insights and practical skills. The projects, internships, and industry exposure have truly helped me feel ready for a career in business.” — Muskan Nanda, MBA (2023 25) GD Goenka University


Muskan Nanda

MBA (2023-25)

Studying at GD Goenka University has been a great experience for me. I completed my BBA here and chose to come back for my MBA because of the amazing support from the faculty and the learning environment. The professors really care about helping students succeed and go beyond just teaching—they guide us with real-world insights and skills. The projects, internships, and exposure to the industry have really helped me feel ready for a career in business. GD Goenka University is an excellent place for anyone looking to build a strong foundation for their future.

b) Scholarships & Financial Access

GDGU demonstrates its commitment to reducing inequalities through a robust scholarship and financial-access program that ensures equitable access to higher education. Merit-based scholarships offer full tuition waivers for students scoring 93% or above in 10+2 examinations, and partial waivers for those meeting other merit thresholds. Additional scholarships are extended to Haryana-domicile students, athletes, arts performers, and socially disadvantaged applicants. These initiatives enable students from diverse socio-economic backgrounds to access quality education, aligning with SDG 10's emphasis on empowering marginalized populations and ensuring that the benefits of growth and opportunity are shared equitably.

Number of students benefited by scholarships and freeships provided by the institution, government, and non-government bodies (NGOs), industries, individuals, and philanthropists year-wise during the last five years.

2023-24	2022-23	2021-22	2020-21	2019-20
4467	3920	3273	1212	470



Ref No. GDGU/2023/16 Date: 27th July, 2023

NOTIFICATION

ANNOUNCEMENT FOR SPECIAL SCHOLARSHIP

The Hon'ble Vice-Chancellor is pleased to announce a special scholarship under Section 10(F) of the Scholarship Regulations for the Academic Year 2023-24. This scholarship is intended to support students in their academic endeavors.

The details of the scholarship are as follows:

Sr. No.	Particulars for Scholarships	Scholarship Amount
1	International Student Fee FreeShip	Up to 50% of fee
2	Student Learning Enhancement Support Scheme	Up to Rs. 5000
3	Financial Assistance to Girl-Students	Up to Rs. 5000
4	Edu Employer Scheme	Up to Rs. 5000

This scholarship is part of the university's ongoing efforts to promote academic excellence and provide financial assistance to deserving students.

For more information, students are encouraged to contact the Dean of Academic Affairs office. All eligible students are urged to take advantage of this opportunity and submit their applications.



Dr. Dharendra Singh Parihar
Registrar
GD Goenka University, Gurgaon



Copy to:

- Office of the Vice Chancellor, GDGU
- Office of the Registrar, GDGU
- All the Deans of Schools are advised to announce the above information in the Classes as well as display the same on the Notice Board for information.

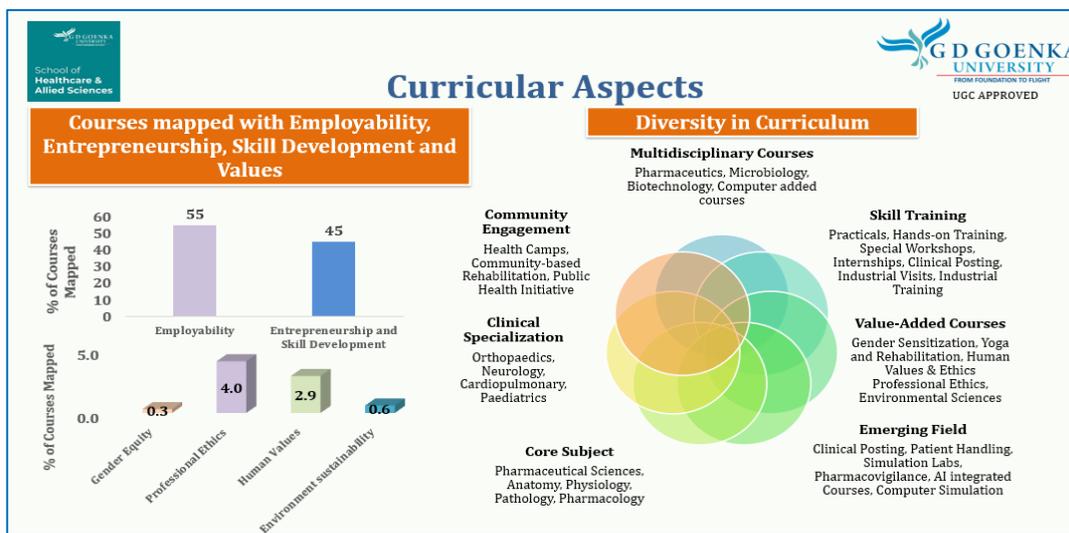


GD Goenka University | G.D. Goenka Education City | Gurgaon Sohna Road Haryana - 122001, India
P: +91 9871680445-48, E: reg@gdgu.org | W: www.gdgoenkauniversity.com



c) Skill Development & Employability

The university further promotes inclusivity by equipping students with relevant skills for the workforce, particularly for those from disadvantaged backgrounds. Initiatives such as “Hunar Se Rozgar Tak,” under the Ministry of Tourism, provide vocational training in hospitality and tourism for individuals with limited means. GDGU also conducts employability skills workshops, career guidance sessions, and mentorship programs, including panels on women’s economic empowerment, ensuring that students from all backgrounds gain the competencies needed to secure decent work. By reducing barriers to employment and skill acquisition, GDGU addresses socio-economic inequalities and contributes to inclusive economic growth, in line with SDG 10.



CURRICULUM: SKILL DEVELOPMENT

Skill Development

- Simulated Learning through Live Streaming of Supreme Court Proceedings
- Student Think Tank
- Simulated Learning through Role Play
- Moot Court Exercises: Ms. Disha Jain won Best Speaker Award
- Institutional Visits : Visit to Sohna Police Station to discuss New Criminal Laws
- Projects: Justice Delivery Centre

MoU with IIAM 01/12/2024

Best Mooter Award 24/10/2024

Crime Scene Investigation 19/09/2023

Supreme Court Live Streaming

Sohna Police Station 26/08/2023

Student Think Tank 04/03/2024

3. Student Engagement and Initiatives

a) Community Engagement & Outreach for Inclusion

GD Goenka University extends its equity-driven mission beyond the campus through community engagement and outreach programs, fostering social responsibility and inclusivity. The National Service Scheme unit organizes campaigns such as “No Smoking Day” and other awareness initiatives that promote health, social responsibility, and inclusion. Through the School of Liberal Arts, the university engages with local communities to enhance educational access and participation, creating opportunities for underrepresented groups to benefit from academic, social, and cultural programs. Complementing these efforts, the Community Service Club, working alongside the university’s Rotaract unit, engages students in outreach and volunteer-driven initiatives. The club organizes activities that directly benefit marginalized and underserved communities, promoting social cohesion and equal opportunity, which are central objectives of SDG 10. A notable example includes a large-scale blood donation camp conducted on September 19, 2018, in collaboration with a local Rotary Club, where 305 units of blood were collected with participation from students, faculty, and administrators. By encouraging active participation in community welfare, these programs empower students to contribute meaningfully to society while fostering a culture of inclusion and equity. Through these integrated efforts in research, scholarships, skill development, and community engagement, GD Goenka University demonstrates a strong commitment to reducing inequalities both within its campus and in society at large. By providing equitable access to education, fostering inclusion, and promoting opportunities for marginalized groups, the university aligns closely with SDG 10, helping to create a more inclusive, fair, and empowering environment for all. More details can be found on the university’s website: GD Goenka University – Community Service Club.



b) Entrepreneurship and Innovation Club

The Entrepreneurship and Innovation Club at GD Goenka University encourages students from diverse socio-economic backgrounds to explore ideas, develop business skills, and engage in problem-solving initiatives. The club organizes workshops, competitions, and mentorship programs that provide equal access to entrepreneurial knowledge and resources, helping reduce disparities in economic opportunities. By enabling students from underrepresented communities to build networks and acquire practical skills, the club contributes to SDG 10 by promoting inclusive growth and empowering the next generation of innovators.

Center of Innovation & Entrepreneurship

Centre for Innovation and Entrepreneurship (CIE) at GD Goenka University in collaboration with the Micro, Small, and Medium Enterprise (MSME) Technology Development Centre, Government of India focuses on innovation and skill-oriented education. This centre provides a unique platform for the students to fulfil their academic dreams and develop innovative thinking to achieve their goals in life. It welcomes the independent and creative ideas of the students, nurtures them, and provides a positive direction to their ideas so that students may become real innovators and further successful entrepreneurs. It also provides a platform for the students to realize their academic ambitions and develop innovative thinking. Keeping this in mind, and intending to equip students with current management practice to run successful businesses or be value creators in the workplace, GD Goenka University has developed this programme so that the University can impart knowledge on management practices, skills, and foster entrepreneurship driven initiatives directed towards the development of economy and society. The Center provides facilities to help students develop truly innovative technology and business ideas into commercial ventures which have the potential to improve the lives of the people.

OCTOBER 16, 2023
Workshop on Innovation, Entrepreneurship, and Sustainability



c) Women Empowerment Club

GD Goenka University promotes gender equality and inclusion through its Women Empowerment Club, which focuses on creating awareness, mentoring, and skill-building programs for female students. The club organizes seminars, workshops, and social initiatives aimed at empowering women, reducing gender disparities, and ensuring equal opportunities in education and employment. These initiatives align with SDG 10 by addressing gender-based inequalities and fostering an environment where women from all backgrounds can thrive academically and professionally.





International Women’s Day Celebration



d) Scholarship for Girl Students and Minority Groups

GD Goenka University provides scholarships and fee concessions to female students, students belonging to minority communities, and students from economically disadvantaged backgrounds, ensuring that access to higher education is available to all, regardless of financial circumstances. These initiatives help create a level playing field by offering opportunities to students who may otherwise face barriers in pursuing higher education. By actively supporting underrepresented and marginalized groups, GD Goenka University plays a vital role in reducing socio-economic inequalities and empowering students to achieve both academic and professional success. Through these efforts, the university aligns its practices with the objectives of Sustainable Development Goal Ten, which focuses on reducing inequalities within and among societies and promoting equitable opportunities for all individuals. The University regularly organizes seminars, workshops, and programs on women empowerment, conducts campaigns on women’s social, economic, and political empowerment, and supports destitute or orphan girls through admission and scholarships ranging from 50 to 100 percent.

E: Chancellors Scholarship

The University gives 100% scholarship each year to underprivileged girls/boys from Haryana. Underprivileged meritorious girls and boys from Haryana are selected by Udayan Care, These boys/girls are interviewed by the Scholarship Committee, The selected ones are granted free education throughout their stay in GD Goenka University.



e) Policy for Differently Abled

GD Goenka University makes sure there are no barriers by providing lifts, ramps, and plenty of room for simple mobility. To help our Divyangjan students, we offer cozy toilets, easily understood navigational signage, cutting-edge assistive technologies, and thorough information and inquiry services.

f) Barriers free atmosphere at GD Goenka University

The goal of GD Goenka University is to establish a friendly and inclusive environment for all guests, instructors, and students. Our university places a high priority on accessibility and has put in place a number of measures to guarantee a barrier-free atmosphere that enables everyone to fully engage in both academic and campus life.

g) Constructed Ramp/Lift/Space and Movement

The physical layout of the university is planned to facilitate easy access to every location. To facilitate easy mobility throughout the campus and to provide access to classrooms, libraries, and other vital facilities, ramps/lifts have been thoughtfully positioned. These elements guarantee that those with mobility disabilities can comfortably and independently navigate the campus.

h) Divyangjan-Comfortable Restrooms

GD Goenka University has erected Divyangjan-friendly restrooms in recognition of the significance of proper and easily accessible sanitation facilities at every floor. These restrooms have handrails, enough room for wheelchairs to navigate, and other essential features to guarantee that everyone may use the facilities in comfort and privacy.

i) Wayfinding and Signage

Clear and effective signage is vital for creating an accessible environment. Throughout the campus, the institution has put in tactile pathways, lighting, signposts, and display boards. These features help those who are blind or visually impaired get where they're going quickly and safely. The campus design incorporates tactile pathways to give individuals who rely on touch for navigation a tactile guidance.

j) Facilities & Assistive Technologies

GD Goenka University uses assistive technology to improve Divyangjan students' educational experience. Everybody can quickly access information thanks to the university's completely accessible website. Students who are blind or visually challenged can access digital content with the help of screen-reading software. Additionally, a variety of needs can be supported by mechanized equipment, ensuring that technology acts as a facilitator rather than a barrier.

k) Provision of Information and Inquiry

The institution has set up an extensive inquiry and information-sharing mechanism in order to better assist Divyangjan students. For those who require it, human support is easily accessible. Readers and scribes are ready to help during study sessions and exams. Giving students access to reading materials in a format that best meets

Chapter 5.5 Support to Differently Abled Staff, Visitors & Students

Support to Differently Abled Staff/Visitors/Students
"Inclusion is not tolerance, it is unquestioned acceptance"

1. Introduction:

Education is essential for self-respect because it liberates the mind, frees the imagination, and fosters intellectual freedom. It is the secret to wealth and unlocks a world of possibilities, enabling each of us to contribute to a forward-thinking, healthy society. Everyone should have access to education since it is beneficial to all beings. Disability is one of the most serious barriers to education and accessibility across the globe. The Indian Constitution guarantees all individuals equality, freedom, justice, and dignity, and implicitly mandates an inclusive society for all, including people with disabilities. In recent years, there have been significant and positive changes in society's perception of people with disabilities. It has been recognized that if most people with disabilities have equal opportunities and effective access to rehabilitation measures, they can live a better life. There has been a growing recognition of the abilities of people with disabilities, as well as an emphasis on mainstreaming them in society based on their abilities. The Government of India has enacted various laws for people with disabilities, including

- Persons with Disabilities (Equal Opportunities, Protection of Rights, and Full Participation) Act of 1995, which provides for education, employment, barrier-free environments, social security, and other benefits.
- National Trust for Welfare of Persons with Autism, Cerebral Palsy, Mental Retardation and Multiple Disability Act, 1999 has provisions for legal guardianship of the four categories and creation of enabling environment for as much independent living as possible.
- Rehabilitation Council of India Act, 1992 deals with the development of manpower for providing rehabilitation services.
- National Policy of Education 2020 for Equitable and Inclusive Education: Learning for All.

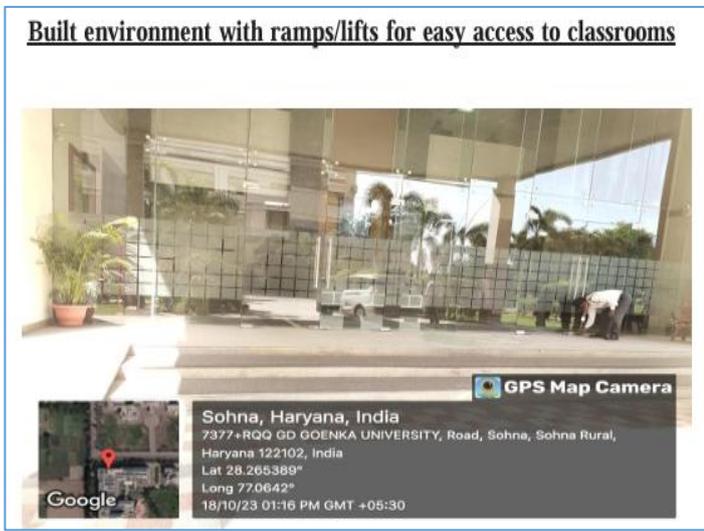
2. Purpose:

All persons with special needs have rights to inclusive and equitable quality education and opportunities for life-long learning. At GD Goenka University, we strive to provide grounded, holistic education with broad horizons and opportunities so that people of all backgrounds can realize their true potential and contribute to a richer, happier society.

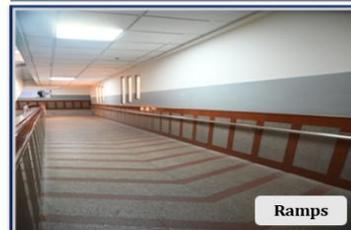
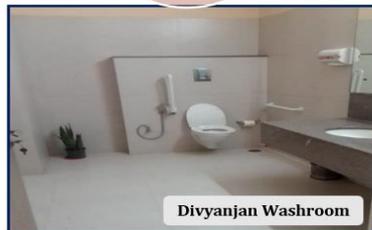
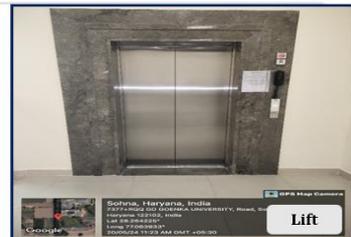
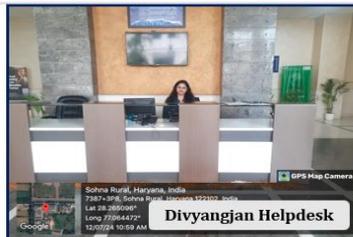
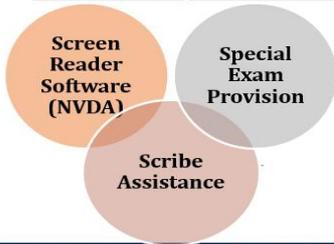
GD Goenka University aspires to be an inclusive education institution that has zero rejection policy and nurtures students with disabilities as equally as any other student while maintaining high academic and non-academic standards. The University adheres to rigorous and comprehensive academic processes, which it intends to maintain while ensuring that students with disabilities are not deprived of education and equal opportunities at any stage, beginning with the application and admissions processes and continuing through their academic and residential life programs and placement opportunities.

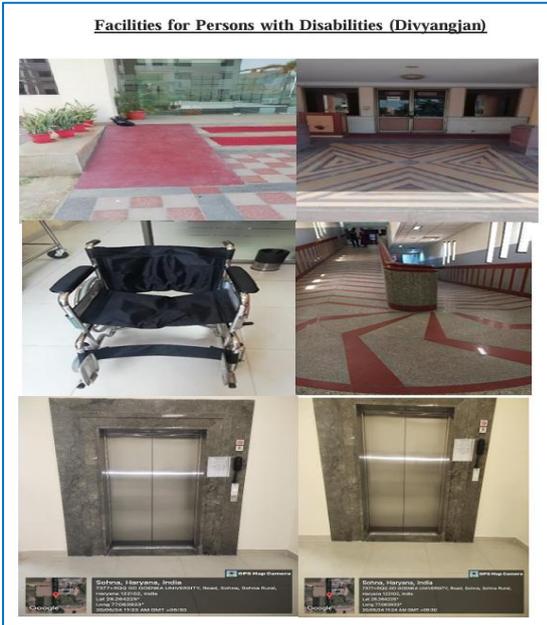


their needs is ensured by providing them in soft copies. Furthermore, solutions for text enlargement and screen reading are offered to meet different kinds of visual impairments. Everyone should feel appreciated and supported in the environment that GD Goenka University strives to create. The institution makes sure that all students, regardless of their physical limitations, have the chance to excel and grow in their academic endeavors by putting these inclusive policies into place. Our commitment to equality, accessibility, and the overall development of each and every member of our community is reflected in our commitment to a barrier-free environment.



Differently-abled (Divyangjan) Friendly Environment





I) Gender Inequality

To ensure that men and women are treated equally, GD Goenka University places a high premium on best practices in the education industry and highlights gender equality as a UNESCO priority area. The university fills shortages in the community or region in a timely manner and believes in equitable opportunities for all. In all enrolment and recruitment campaigns, it consciously works to guarantee equal possibilities for every person, irrespective of culture, community, or location. Additionally, the university makes sure that both genders are fairly represented in all committees and clubs. The institution has implemented initiatives to draw international students to its regular undergraduate, graduate, and doctorate programs in order to create a multicultural learning environment. It has established a special international department that handles admissions from abroad and offers international students all the assistance they need. The institution starts language instruction and cultural immersion programs to get students ready to study in India.

More than 500 international students enrolled in GD Goenka University, across the globe such as Africa, Uzbekistan, Nigeria, Rwanda, Bhutan, Nepal, Ghana and Republic of the Congo. The university hosts a number of celebrations, such as the Annual Institution Fest, Halloween, Holi, Diwali, and Christmas, to encourage intercultural dialogue. These activities expose foreign students to Indian culture, which widens their horizons and heightens their understanding of local subtleties. In addition, the institution offers opportunities for cultural absorption and integration on national holidays such as Republic Day and Independence Day, as well as on special occasions like International Yoga Day. In addition to its usual curriculum as per NEP, the Le Cordon Bleu School of Hospitality offers a French language course to promote linguistic variety. Events like the Udyami Bazaar, which encourages social entrepreneurship and provides a taste of the Indian market, promote campus diversity even further and community involvement fosters a sense of duty among students.

The National Education Policy (NEP) 2020 is infused with Indian knowledge systems, values, and customs by the institution. The university's Annual Fest, which includes Acceleron (Techno-cultural), Sports event (BSA-Sports), and Idea (Innovation and Entrepreneurship), demonstrates its commitment to acknowledging and embracing variety of cultures. Students from India and other countries demonstrate their artistic, cultural, and technological skills through a DJ night and celebrity performance. Gender equality and equal chances are highly valued at GD Goenka University, ensuring fair treatment for all. There are male and female academic members of the university's disciplinary committee, which maintains decency and discipline in campus and also upholds a gender-neutral atmosphere. It also provides equal opportunities for recruitment and enrolment. Additionally, it



upholds a zero-tolerance stance against sexual harassment.

Students are instilled with moral and ethical ideas through required courses in Human Values and Ethics, Business Ethics, Cultural Values, and Leadership. In an effort to foster harmony and cultural diversity, the institution also commemorates a number of national and cultural holidays. The NEP 2020 criteria guarantee that students possess a thorough understanding of traditional Indian knowledge systems and societal values, hence promoting an all-encompassing educational atmosphere.



बेटी बचाओ, बेटी पढ़ाओ पर जी डी गोयनका विश्वविद्यालय द्वारा कानूनी साक्षरता जागरूकता शिविर

सोहना 31 अगस्त चंदन कानूनी सहायता समिति, स्कूल ऑफ लॉ, जी डी गोयनका विश्वविद्यालय, सोहना, गुरुग्राम, हरियाणा ने 31 अगस्त, 2022 को ग्राम दमदमा में एक कानूनी साक्षरता जागरूकता शिविर आयोजित किया है। विधिक सहायता समिति के सदस्य प्रो. तबरेज अहमद, प्रो. (डॉ.) अजीमखान बी. पठान, डॉ. दक्षिणा सांगवान, डॉ. राकेश कुमार और श्री अमित राज अग्रवाल सहित श्री अर्जुन अरोड़ा, सुश्री आकांक्षा कुमारी, श्री. कृप बंसल, सुश्री जेनिथ गिल, आयुस भारद्वाज, और अन्य पैर लीगल स्वयंसेवकों ने छत्र सदस्यों के रूप में उक्त शिविर में उपस्थित लोगों के लिए बेटी बचाओ, बेटी पढ़ाओ अभियान को बढ़ावा दिया। इसके अलावा, 25 पैरा लीगल वालंटियर्स की एक टीम द्वारा खुद



को बढ़ते साहवर अपराधों से बचाने के लिए एक नुकड़ नाटक किया गया। बिजली भुगतान कनेक्शन, बुजुर्ग पेंशन, सड़क निर्माण और स्कूल में शिक्षकों की अनुपलब्धता के संबंध में कई शिकायतें उठाई गईं, परामर्श और कानूनी सहायता के लिए संयोजित किया गया। ग्राम दमदमा के निवासी - श्रीमती। संतोष (सरपंच), शोराज खटाना सरपंचपति, अमर खटाना, चरण सिंह (पूर्व सरपंच), मनदीप खटाना ने नुकड़ नाटक, डोर टू डोर अभियान और व्यक्तिगत कानूनी परामर्श के माध्यम से गांव में जागरूकता फैलाने के लिए जी डी जी यू कानूनी सहायता समिति के प्रयासों को प्रशंसा की है।

Legal Aid - Gender Equality -Course: Law and Society (SLA 2708) Legal Aid Awareness Camp | 31 August 2022 |



GD GOENKA UNIVERSITY
LAW

GD Goenka University's | School of Law Organises

NATIONAL SYMPOSIUM ON GENDER EQUALITY: ISSUES & CHALLENGES



GENDER EQUALITY

21st April 2023
at B Block GD Goenka University

<p>Registration Fees Rs. 150/- per person - Research Scholars/ Students/ GDGU Rs. 300/- per person - Faculty & Others</p> <p>Student Convenors 7215583032 - Ms. Divya - 210060403006.divya@gdgu.org 886182691 - Ms. Riya - 210060403034.riya@gdgu.org</p>	<p>PAYMENT DETAILS Name of Beneficiary: GD Goenka University Name of Bank: HDFC Bank Address: Site No. 2, OCP Pocket, Sector - G, Vasant Kalyan New Delhi - 110070, India SBI A/c No.: 0273400000070 IFSC: IES00061145100000077 File No.: 0184-235936 MICR Code: 16240054</p>
---	--

Registration link <https://forms.gle/LxTgZmstriaWK9y5>

National Symposium on Gender Equality 21st April 2023 Course: Law and Women (DSC 01)



Promotion of Gender Equity



j) Upholding Caste Equality

GD Goenka University is committed to upholding caste equality and eliminating caste-based discrimination. The University has implemented strict anti-discrimination policies that ensure students from all caste backgrounds are treated with respect, dignity, and fairness. By promoting diversity and inclusion across academics, campus activities, and administrative processes, GD Goenka University fosters an environment where caste is not a barrier to education or success. This commitment to equality ensures that every individual, regardless of their social or cultural background, has the opportunity to thrive and achieve their full potential.



IMPLEMENTATION OF RESERVATION POLICY RELATING TO ADMISSION OF STUDENTS IN THE HARYANA PRIVATE UNIVERSITY

GD Goenka University was declared as State Private University by the Govt. of Haryana and notified in the Gaz. (Extra ordinary) August 2013. It may be mentioned that GD Goenka University is governed by Haryana Private University Act 2006 amended from time to time. The Act does not provide any kind of reservation in admission except 25% seat earmarked reserved for Haryana Domicile Category candidates, of which 10% seats reserved for SC candidates of Haryana (In view of First Ordinance of GD Goenka University Chapter II point No. 3 sub-point of C section II). In case, any seat reserved for SC candidates remained vacant, it is offered to other category viz. BC, OBC, ST and PWD. This provision of the Act is being followed in admissions made to UG, PG programs in letter and in spirit.

Provided, in case, GD Goenka University, has collaboration with reputed foreign or international Universities or other institutions of other similar nature, the Government may relax the percentage of this reservation and the same shall be applicable.

The number of seats in different Programmes shall be as approved by Academic Council of the University and/or as approved by relevant statutory bodies, wherever applicable, from time to time

Note : As far as, reservation in admission [employment in the Private Unaided Educational Institutions, it may be noted that the 7 — Judge Constitution Bench of the Hon'able Supreme Court of India, in its unanimous judgment dated 12.08.2005, in P.A. Inamdar Vs. State of Maharashtra, held (in para-125) that:

"As per our understanding, neither in the judgment of Pai Foundation or in the Constitution Bench decision in Kerala Education Bill which approved by Pai Foundation there is anything which would allow the state to regulate or control admissions in the Unaided Professional Educational Institutions so as compel them to give up a share of the available seats to the candidates chosen by the state, if it was filling the seats available to be filled up at its discretion in such private Institutions. This would amount to nationalization of seats which has been specifically disapproved in Pai Foundation. Such imposition of quota of state of seats or enforcing reservation policy of the state on available seats in unaided professional institutions are acts constituting serious encroachment on the right and autonomy of Private Professional Educational Institutions.... "...Merely because the resources of the State in providing Professional education are limited, Private Educational Institutions, which intend to provide better professional education, cannot be forced by the State to make admissions on the basis of Reservation Policy to less meritorious candidate."

In view of the above, it implies clear that reservation in admission of students in the self-financing Private Universities is not applicable. However, the GD Goenka University always encourages and facilitates the admission seekers from the reserved categories and keep their rights reserved for admission in all disciplines, with all facilities, relaxation and benefits as envisaged under state the Reservation Policy/prescribed in Haryana State Private University Act.



Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
380	395	324	196	198

k) Gender Equity Policy

GD Goenka University's Gender Equity Policy is aimed at ensuring equal opportunities, fair treatment, and an inclusive environment for all individuals, irrespective of gender. The University aligns its initiatives with the principles of Sustainable Development Goal 5 (Gender Equality) and UNESCO's gender priority framework, ensuring that gender inclusivity is embedded in academics, administration, and campus culture.

GD Goenka University has taken a leading role in promoting gender equity and recognizing the diversity of its workforce. The Regulations and Guidelines of the University Admission, recruitment, and administrative and academic functioning safeguard the interests of students, faculty and staff without showing any gender discrimination.

1. Safety and Security

The University campus has a robust CCTV camera network across all sensitive locations frequented by students with a central monitoring facility for immediate action on any possible incidence of sexual harassment and the University provides RFID equipped buses to give a smooth, hassle-free and safe traveling option to its employees. A team of trained guards constantly monitor classrooms and corridors. The campus has a strict security through biometric readers, latest IP cameras, and fire warning systems, 24-hour security guards & patrolling units and strict monitoring at the main gate to restrict unauthorized entry into campus. Provision of female hostel guards placed at all sensitive locations.

To prevent sexual harassment, a policy for the prevention and prohibition of Sexual Harassment has been circulated to all members, and a proactive program is maintained to educate all members about the definition of sexual harassment and procedures for redressal.

To sensitize students and employees about gender issues, the different schools of the university consistently organize gender sensitization workshops and webinars.

The institution has conducted workshops on self-defence techniques for its female employees and students and has organized events such as poster-making competitions with the theme of safety for its students. In a gesture of gratitude towards its women employees, the university also organized a fundraising event, Sohna Marathon, with the theme "Run for Women's Safety" to promote women's empowerment and safety. The University also conducted a workshop, Dialogue on Women's Safety, which included eminent women personalities from diverse fields.

2. Counselling

The University has a psychological counselling center with a dedicated trained practicing psychologist who offers counseling services to students and faculty as required. The range of problems addresses include stress related concerns, depression, anxiety, psychosomatic problems, adjustment related issues, relationship difficulties and academic problems. Services are delivered in comfortable and peaceful environment following the counselling



ethics. The dignity of the individual is maintained by not revealing the identity. Details of cases are maintained in the Centre with confidentiality. To empower women employees and students, the University organized a session on Career Development and Personality Grooming, especially for its female employees, with eminent speakers and experts from their fields, including celebrity Bollywood star Diana Penty.

3. Common Room

Male and female students are provided access to spaces within the campus where they can meet and socialize as equals. There are separate common rooms for girls and boys in the academic blocks which are well lit areas with modern indoor designing. There are provisions for arranging social gathering with prior approval of higher authorities. The students must follow the rules and regulations of the common room.

Gender Equality

By focusing on gender equality, we not only adhere to the broader goal of promoting human rights but also address a fundamental issue that impedes social progress and sustainable development.

Promoting gender equality aligns closely with several Sustainable Development Goals (SDGs), such as SDG 5 - Gender Equality, which explicitly aims to end discrimination, violence, and harmful practices based on gender. Recognizing the significance of this goal, organizations worldwide are increasingly integrating gender equality initiatives into their projects and operations.

In many societies, gender inequality persists, limiting women's access to education, economic opportunities, and decision-making roles. Addressing these disparities is a moral imperative and an economic and social necessity. When women are empowered and given equal opportunities, they contribute significantly to economic growth, innovation, and sustainable development.

Efforts to reduce gender inequality are multifaceted and include initiatives to close the gender pay gap, promote women's leadership in various sectors, and eliminate discriminatory practices. By fostering an inclusive and diverse environment, organizations can tap into a broader range of talents, perspectives, and skills, ultimately driving innovation and success. Moreover, empowering women and ensuring their equal participation in decision-making processes contributes to more just and representative governance. In the long run, this can lead to the development of policies that address the entire population's needs, promoting social harmony and stability.

In science, politics, and business, a more gender-inclusive approach can result in breakthroughs and advancements that better address the needs of a diverse society. It is essential not only to create equal opportunities for women but also to challenge and change cultural norms and biases that perpetuate gender inequality.

As organizations increasingly recognize the interconnectedness of gender equality with broader societal goals, we can anticipate a more concerted effort to break down barriers, challenge stereotypes, and create a world where everyone, regardless of gender, can fully participate in and benefit from the fruits of development. In this way, the pursuit of gender equality becomes not just a project-specific focus but an integral part of a comprehensive strategy for sustainable and inclusive growth.

5.2

- 5.2.1 Proportion of women first generation

5.3

- 5.3.1 Tracking access measures
- 5.3.2 Policy for women applications and entry
- 5.3.3 Women's access schemes
- 5.3.4 Women's application in underrepresented subjects

5.4

- 5.4.1 Proportion of senior female academics

5.5

- 5.5.1 Proportion of female degrees awarded

5.6

- 5.6.1 Policy of non-discrimination against women
- 5.6.2 Non-discrimination policies for transgender
- 5.6.3 Maternity and paternity policies
- 5.6.4 Childcare facilities for students
- 5.6.5 Childcare facilities for staff and faculty
- 5.6.6 Women's mentoring schemes
- 5.6.7 Track women's graduation rate
- 5.6.8 Policies protecting those reporting discrimination

4. Research and Publications

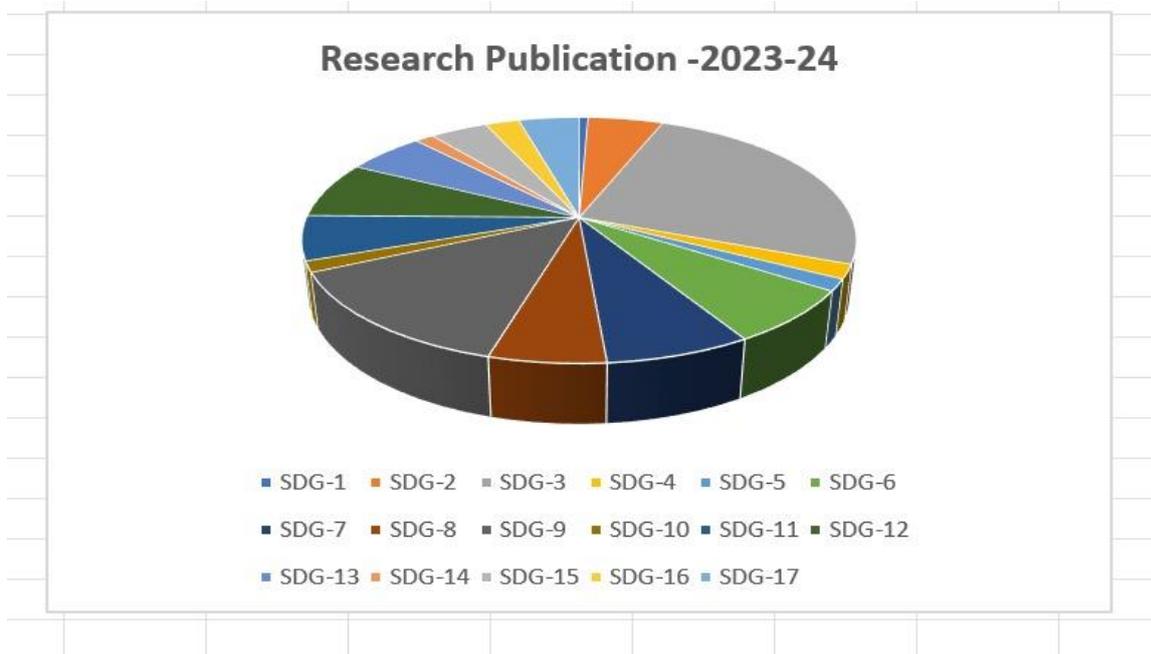
Publications

GD Goenka University actively contributes to research that addresses socio-economic inequalities and promotes inclusive development. Its Research & Development department supports faculty and scholars in producing high-quality publications, securing competitive grants, and engaging in policy-relevant research. Examples include studies on financial literacy, economic empowerment, digital finance, and financial inclusion, such as the “FinTech Report” by the School of Management, which explores how digital financial platforms can expand access for underserved populations. Similarly, workshops and publications on emerging financial instruments like crypto assets raise awareness of systemic inequalities and advocate for stronger, more equitable financial systems. Through such scholarly contributions, GDGU informs policy and practice, highlighting barriers faced by marginalized communities and proposing solutions that advance equal opportunities, a central principle of SDG 10.

SDG 10 – Reduced Inequalities Industry - Publications – 14

S.No.	Type	Title	Authors	Journal / Book	Year
1	Article	Pharmaceutical Patents, Generic Drugs, And Competition Laws In India: Policy Pathways For Equitable Healthcare Access And Development	Banerjee, P.; Sangwan, D.	Journal of Applied Bioanalysis	2025
2	Article	Taught, Told or Taboo: Role of ‘Family’ in Financial Socialisation Among Transgender Youth	Girija, S.; Banerji, B.; Agrawal, G.; Chaudhuri, S.; Ahuja, G.	International Social Science Journal	2025
3	Book Chapter	Bringing Inclusivity for the Differently Abled Through Leadership and Innovation in Higher Educational Institutes: The Educationists’ Perspective	Saini, K.; Khan, N.; Khaliq, F.	Leadership Paradigms and the Impact of Technology	2025
4	Book Chapter	Emerging Technologies for Sustainable Soil Management and Precision Farming	Singh, A.; Tomar, B.; Margaryan, G.H.; Singh, O.; Ghazaryan, K.A.	Nanotechnology Applications and Innovations for Improved Soil Health	2024
5	Article • Open Access	Role of Artificial Intelligence in Case of Micro Enterprises and Tribal Entrepreneurships for Sustainable Economic Development	Sahoo, D.R.; Teena	EAI Endorsed Transactions on Scalable Information Systems	2024
6	Article	Making Frugal Innovations Inclusive: A Gendered Approach	Girija, S.; Banerji, B.; Batra, N.; Paruchuru, M.; Yeediballi, T.	Journal of Cleaner Production	2024

7	Article	Understanding the Legacy of the Gulf Cooperation Council and Turkey on Bangladesh Politics	Sanyal, P.	Journal of Asian and African Studies	2023
8	Article • Open Access	Out-of-School Girls in India: A Study of Socioeconomic-Spatial Disparities	Mitra, S.; Mishra, S.K.; Abhay, R.K.	GeoJournal	2023
9	Article	Investigating the Role of Psychological Capital as a Mediating Variable in the Relationship Between Sustainability Orientation and Entrepreneurial Intensity	Sisodia, S.; Jan, S.	Sustainability and Climate Change	2022
10	Article	Dynamics of Economic Integration in Asia Pacific: From Multilateralism to Regionalism to Bilateralism	Mangla, S.K.; Gupta, R.; Jain, N.; Ponnampereuma, S.; Katyal, S.	Thammasat Review	2022
11	Article	A Method for Characterization and Performance Evaluation of Differential Pressure Transducer by Using Twin-Piston Pressure Balance	Chanchal; Zafer, A.; Kumar Singh, R.K.B.; Kumar, L.; Yadav, S.	MAPAN - Journal of Metrology Society of India	2022
12	Article	Trade Protection Measures Implemented by Sri Lanka During the Past Three Decades	Ponnampereuma, S.; Katyal, S.; Mangla, S.K.	Thailand and the World Economy	2022
13	Conference Paper	Affordable Housing – A Sustainable Perspective	Sarkar, D.; Kapoor, M.K.	ZEMCH International Conference	2022
14	Article	Personal Authentication Based on Vascular Pattern Using Finger Vein Biometric	Sharma, S.; Agrawal, S.	Journal of Discrete Mathematical Sciences and Cryptography	2021



5. Impact and Way Forward

GD Goenka University aims to advance inclusive education, social equity, and equal opportunities by reducing inequalities within and among communities, in alignment with Sustainable Development Goal 10. The University continues to strengthen its academic, administrative, and outreach frameworks to ensure that students from all backgrounds — irrespective of gender, caste, culture, economic status, or nationality — have equitable access to quality education and growth opportunities.

The University plans to enhance scholarships, fee concessions, and financial aid for students from economically and socially disadvantaged backgrounds, including female students, minority groups, and differently abled individuals. It also seeks to expand collaboration with NGOs and government agencies to support education for underrepresented groups through community outreach, mentorship, and social development programs.

GD Goenka University will continue to promote inclusivity across all spheres of campus life by ensuring fair representation of marginalized groups in governance, faculty recruitment, and student bodies. Initiatives such as gender sensitization workshops, barrier-free campus infrastructure, and intercultural festivals foster a sense of equality, belonging, and mutual respect among all members of the community.

To further reduce global and regional inequalities, the University is expanding its international collaborations, attracting students from over 25 countries, and facilitating cross-cultural exchange programs that build global citizenship and mutual understanding.

Through these ongoing efforts, GD Goenka University reaffirms its commitment to achieving Sustainable Development Goal 10 by building an inclusive, equitable, and socially just academic ecosystem — one that empowers every individual to thrive, contribute, and lead positive change in society.



11 SUSTAINABLE CITIES AND COMMUNITIES



SDG 11: Sustainable Cities and Communities

GD Goenka University – Sustainability Initiatives and Achievements

1. Introduction

Sustainable Development Goal 11 (SDG 11) focuses on making cities and human settlements inclusive, safe, resilient, and sustainable. This goal recognizes the increasing urbanization trends and the profound impact that well-planned and well-managed cities can have on various aspects of sustainable development. At the heart of SDG 11 is the commitment to ensuring access to safe and affordable housing for all. The goal seeks to address the challenges of informal settlements and inadequate housing, aiming to upgrade slums and provide suitable living conditions. By promoting sustainable urban planning and housing policies, SDG 11 aims to create inclusive cities and offer residents a high quality of life. The goal also emphasizes making cities resilient to disasters and climate change. This involves integrating climate change measures into urban planning, improving infrastructure, and enhancing disaster risk reduction strategies. Creating resilient cities protects communities from the impacts of natural disasters and contributes to long-term sustainability. SDG 11 encourages the development of efficient and sustainable transportation systems, including public transportation, cycling, and walking infrastructure. Promoting environmentally friendly modes of transportation aims to reduce air pollution, congestion, and the carbon footprint of urban areas.

Furthermore, the goal recognizes the significance of preserving cultural and natural heritage in urban spaces. SDG 11 encourages the safeguarding of cultural diversity and the protection of green areas within cities, contributing to the overall well-being of residents and promoting a sense of community. The achievement of SDG 11 is closely linked to other sustainable development goals, including those related to health (SDG 3), education (SDG 4), and sustainable cities and communities (SDG 9). SDG 11 contributes to the broader agenda of building a more equitable and sustainable world by creating inclusive, safe, resilient, and sustainable urban environments.

GD Goenka University was established in 2013 under the vision of Shri A.K. Goenka, GD Goenka University (GDGU) is a leading state private university located on a 60-acre campus at Sohna, Gurugram, Haryana. Guided by the GD Goenka Group's legacy of excellence in education, the University has quickly emerged as a centre for innovation, entrepreneurship, and professional development in India's higher education landscape. GD Goenka University offers a comprehensive range of undergraduate, postgraduate, and doctoral programmes across diverse disciplines including Engineering & Sciences, Management, Law, Liberal Arts & Social Sciences, Healthcare & Allied Sciences, Hospitality & Tourism, Agricultural Sciences, and Design. Recognized by the



University Grants Commission (UGC) and affiliated with professional bodies such as the Bar Council of India (BCI) and the Indian Council of Agricultural Research (ICAR), GDGU ensures academic rigour aligned with global standards.

GD Goenka University is committed to fostering an inclusive and equitable environment, both within the campus and in the wider community. The university focuses on addressing various forms of discrimination and ensuring equal access to education, opportunities, and resources for all. Special attention is given to empowering marginalized groups, including differently abled students, women, minorities, and those from economically disadvantaged backgrounds. Through scholarships, mentorship programs, skill-development initiatives, student clubs, and community outreach, GD Goenka University actively works to remove socio-economic, gender, and accessibility barriers. These initiatives ensure that every individual is supported in achieving their full potential, reflecting the university's dedication to creating a fair, inclusive, and empowering academic and social environment.

2. GD Goenka University Initiatives

a) Innovative Research in Sustainable Practices:

GD Goenka University actively promotes research and innovation aimed at building sustainable and resilient communities in alignment with SDG 11. The University's research ecosystem emphasizes sustainable infrastructure, smart urban planning, renewable energy, and green technology. Faculty and students engage in interdisciplinary projects focusing on sustainable architecture, waste management, renewable fuel innovation, and environmental conservation.

The University's School of Engineering and Sciences and School of Agriculture & Sciences have undertaken research on topics such as eco-friendly building materials, rainwater harvesting systems, solar-powered campus infrastructure, and energy-efficient urban design. Student-led projects under the Innovation and Entrepreneurship Centre explore solutions for smart waste segregation, green mobility, and low-carbon campus models. Through its partnerships with industries and organizations, GD Goenka University continues to support research that addresses urban sustainability challenges—ensuring that innovation contributes directly to safer, more inclusive, and environmentally responsible communities.





b) Sustainable Campus and Green Infrastructure

GD Goenka University is committed to maintaining an eco-friendly and sustainable campus that aligns with national and global environmental standards. The University promotes green building principles, sustainable landscaping, and renewable energy adoption. Solar panels are installed across parts of the campus to reduce dependency on non-renewable energy sources, while rainwater harvesting systems and wastewater recycling units contribute to efficient resource management.

The University also encourages active student participation through plantation drives, cleanliness campaigns, and environmental awareness events. These initiatives help create a culture of sustainability and environmental stewardship, fostering a green and resilient learning environment for future generations.



**Commitment to Sustainability:
GD Goenka University Sohna
Campus Wins LEED v4.1 EBOM
Platinum Level Certification**



- 9 BETTER ENERGY PERFORMANCE
- SOLAR PV PLANT, SMART HVAC
- 4 BETTER WATER PERFORMANCE
- LOW-FLOW FIXTURES AND
WATER REUSE SYSTEMS
- 4 BETTER WASTE MANAGEMENT
- STRONG RECYCLING AND
RESPONSIBLE DISPOSAL
- 80 BETTER INDOOR AIR
QUALITY



Sohna Road, Gurugram



Green Campus Programme
CERTIFICATE
OF RECOGNITION

This is to certify that

GD Goenka University, Gurugram, Haryana

has successfully completed The Climate Project Foundation's
Green Campus Programme and has been awarded
Gold category for the academic years 2025-28.

Aditya

Aditya Pundir
Director- India and South Asia
The Climate Project Foundation

Kamal Meattle

Kamal Meattle
Trustee
The Climate Project Foundation



c) Waste Management and Environmental Sustainability Initiatives

GD Goenka University demonstrates its strong commitment to sustainability through an integrated waste management system that addresses solid, liquid, and electronic waste on campus. As part of this initiative, the University operates a modern Sewage Treatment Plant (STP) that scientifically treats wastewater generated from hostels and academic blocks. The treated water is reused for landscaping and horticulture, significantly reducing freshwater consumption and preventing environmental pollution. These measures ensure responsible waste disposal, efficient resource utilization, and contribute to maintaining a clean and green campus environment. Through its sustainable waste management practices, GD Goenka University supports the objectives of SDG 11: Sustainable Cities and Communities and SDG 6: Clean Water and Sanitation, promoting a model of eco-friendly urban living.

- **Solid Waste Management**

GD Goenka University follows an efficient solid waste management system with over 1200 bins for segregation into biodegradable, non-biodegradable, and recyclable waste. Through MoUs with Green-o-Bin and Farm Pallet, paper and kitchen waste are recycled and reused to produce notebooks and compost for campus use. The University has also banned polythene bags to promote sustainability and effective waste segregation.

SOLID WASTE MANAGEMENT



International Composting Awareness Week (Solid Waste Management)

- **Liquid Waste Management**

The liquid waste management system at GD Goenka University includes two sewage treatment plants, all liquid sewage effluent from the hostels and academic blocks is channelled to these treatment plants. The treated sewage water is then reused for horticulture/agricultural purposes/toilet flush, ensuring the efficient recycling of wastewater within the campus.

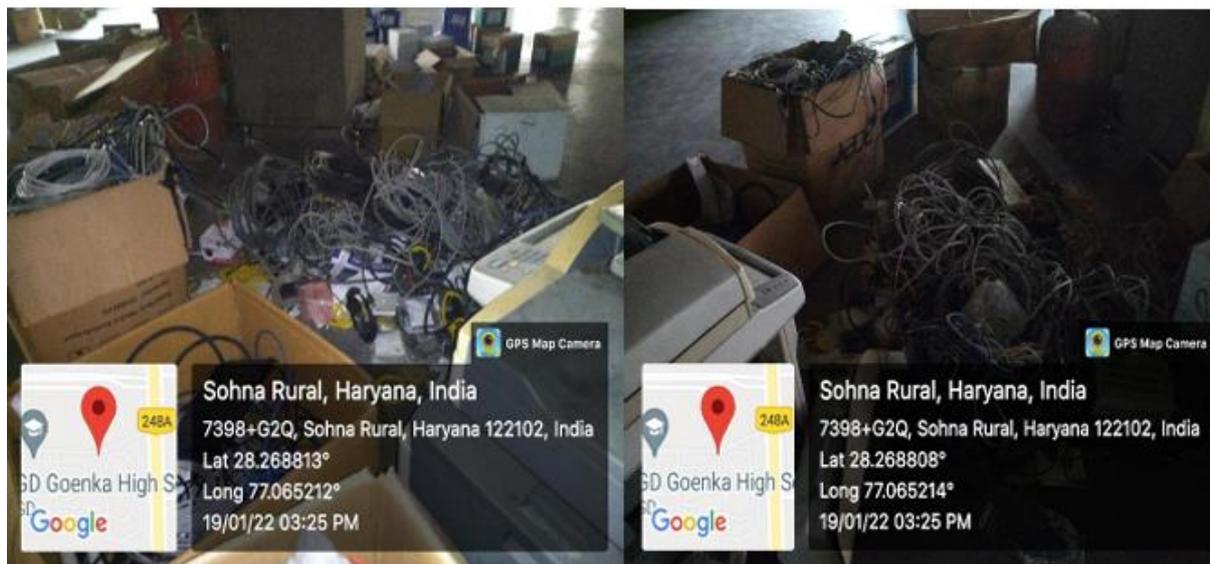


- **Biomedical Waste Management**

GD Goenka University has signed an MOU to manage biomedical waste with Saahas Zero Waste. The campus's waste management systems are designed to handle non-biomedical waste, focusing on solid, liquid, and e-waste management.

- **E-Waste Management**

The university has a dedicated system for managing electronic waste. E-waste is collected at a centralized storage facility and periodically disposed of for recycling by Reboot System India Pvt. Ltd. Students are encouraged to reuse electronic items for academic projects, promoting a culture of sustainability and responsible e-waste management.



- **Waste Recycling System**

GD Goenka University has implemented a robust waste recycling system that includes various types of waste (biodegradable, non-biodegradable, and e-wastes). Paper waste printed on one side is reused before being sent to Green-o-Bin for recycling. The recycled paper is then transformed into notebooks and distributed to government schools. Plastic waste generated on campus is stored separately for recycling. Desktop computers are repaired for resale and used printer cartridges are refilled to extend their lifecycle. Organic waste is processed in a bio-composter to produce compost, which is used to enrich the soil on campus.

- **Hazardous Chemicals and Radioactive Waste Management**

The University ensures that hazardous waste is managed responsibly and does not pose a threat to the environment or campus community. The GD Goenka University has established a comprehensive and effective waste management system that addresses various types of degradable and non-degradable waste. Through partnerships with recycling organizations, innovative waste segregation practices, and sustainable reuse methods, the university ensures minimal environmental impact and promotes sustainability on its campus. The absence of biomedical and radioactive waste further simplifies the waste management process, allowing the university to focus on improving its existing systems for solid, liquid, and e-waste management.

d) Sustainable Practices

GD Goenka University is deeply committed to environmental sustainability and integrates eco-friendly practices across its academic, administrative, and infrastructural operations. The University emphasizes renewable energy adoption, energy-efficient technologies, green architecture, and sustainable mobility solutions to minimize its ecological footprint.

- **Promoting Sustainable Commuting:**

The University encourages sustainable modes of transportation such as carpooling, the use of electric and hybrid vehicles, and shared campus transport facilities. RFID-enabled buses are provided for students and staff, ensuring safe and efficient travel while reducing individual carbon emissions. Dedicated parking zones for bicycles and low-emission vehicles promote green commuting across the campus.

- **Remote Work and Digital Learning Options:**

GD Goenka University actively promotes digitalization and remote access to learning through Learning Management Systems (LMS), online assessments, and virtual classrooms. Faculty and staff are encouraged to leverage digital tools for teaching, collaboration, and administration, reducing the environmental impact of daily commuting and paper usage.

- **Affordable and Sustainable Hostel Facility:**

The University provides well-equipped and energy-efficient residential facilities for students. The hostels managed within the campus are designed with natural ventilation, efficient lighting systems, and water conservation measures to reduce energy consumption. The residential community fosters a safe, inclusive, and supportive environment for all.

- **Pedestrian and Eco-friendly Campus:**

GD Goenka University’s campus design prioritizes pedestrian safety and environmental well-being. Well-maintained walkways, lush green landscapes, and vehicle-restricted zones ensure a calm, pollution-free environment. Awareness programs and sustainability drives encourage students and staff to adopt eco-conscious habits and contribute to a greener future.

Green Campus Initiatives



Landscaping of Campus



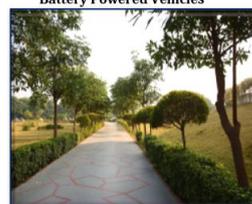
Battery Powered Vehicles



Eco-Friendly Campus



www.gdgoenkauniversity.com CNG Bus and Cars



Pedestrian Pathways

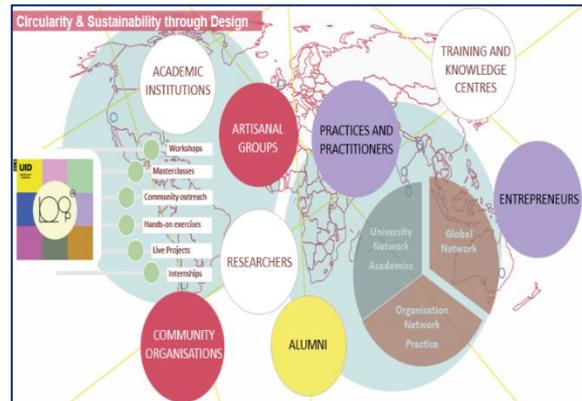


Plastic Free Campus



• **Natural and Cultural Engagement:**

GD Goenka University, situated in the heart of a spacious green campus, integrates natural settings with vibrant cultural spaces to foster holistic development. The wide-open lawns, landscaped gardens and pedestrian-friendly courtyards provide ideal settings for reflection, informal interaction and community-building. In addition to routine academic life, the campus hosts arts, cultural and sporting events — bringing together students from diverse backgrounds in open-air venues under the sky. Through these venues and activities, the University reinforces its commitment to creating inclusive, inspirational and sustainable learning spaces that bridge nature, culture and community engagement.



e) New Building Standards and Energy Efficiency

GD Goenka University has adopted cutting-edge building and energy-management practices to promote sustainability and resilience. The campus features one of the largest rooftop solar photovoltaic systems, generating approximately 825 kW of electricity. About 80% of the campus lighting has been converted to LED systems, compliant with the Energy Conservation Building Code (ECBC) norms. With 67% of its 20-acre campus dedicated to green cover and open landscaping, the University also utilises passive cooling and sustainable site planning to minimise built-up carbon impact. Through these standards, GD Goenka University demonstrates its commitment to infrastructure that is energy efficient, environmentally responsive, and aligned with the objectives of SDG 11 (Sustainable Cities & Communities).



- Student-Led Eco Clubs and Awareness Drives
Include plantation campaigns, cleanliness drives, and “Go Green” awareness programs led by student clubs that promote civic responsibility and sustainability culture.

Publication

GD Goenka University maintains a robust academic publication ecosystem that supports the university’s contribution to sustainable and resilient communities. The university’s “University Publications” page lists multiple peer reviewed journals, conference proceedings, and newsletters including G D Goenka Journal of Applied Psychology, G D Goenka Business Review, G D Goenka UNI BUZZ, G D Goenka G FLASH, and G D Goenka National & International Conference Publications. University Publication These publications facilitate the dissemination of research on urbanisation, infrastructure, social equity, and community resilience—key themes under SDG 11.

For instance, the university’s Research & Publication 2022 document includes a table of contents featuring papers such as “Analysis of Labour Migration in Gurugram: A Study of Construction Workers” and “Higher Education of Dalit Women and Degree Completion in India”. Research Publication By analysing real-world urban and peri urban issues (labour migration, educational equity), these publications contribute to the evidence base for sustainable urban policy and inclusive community planning.

Through these publication channels, GD Goenka University reinforces its role as a knowledge hub for sustainable cities and communities. The university’s research output—captured via journals, conferences and institutional repositories—serves to inform policy, engage stakeholders, and highlight pathways towards inclusive, resilient urban development. As a way forward, amplifying publication outreach into open access formats, increasing multi disciplinary collaboration on urban sustainability themes, and tracking citation/impact metrics specific to SDG 11 would further enhance the university’s contribution to this goal.

SDG 11 – Sustainable Cities and Communities - Publications – 57

S.No.	Type	Title	Authors	Journal / Book	Year
1	Article	Pythagorean fuzzy decision-making framework for assessing the alternative strategies in urban mobility with digital carbon footprint	Devi, S., Kumari, R.	Journal of Ambient Intelligence and Humanized Computing	2025
2	Article (Open Access)	Designing of New Reliable Control Architecture for Connected Autonomous Vehicles Against Cyber Attacks	Priyadarshi, S., Bharadwaj, D.	International Journal of Basic and Applied Sciences	2025
3	Book Chapter	A quality of service-oriented cooperative drone-IoT network framework	Kaur, S., Arya, N., Singh, S., Rani, A.	Progressive Computational Intelligence Information Technology and Networking	2025
4	Review	Responses of natural plastisphere community and zooplankton to microplastic pollution: a review on novel remediation strategies	Rai, M., Dhanker, R., Sharma, N., Du, Z., Mohamed, H.I.	Archives of Microbiology	2025

5	Book Chapter	Internet of Things (IoT)-driven smart city development: An undetected sustainable revolution in India	Gorowara, N., Khan, M.A., Avasthi, P., Varma, R.A., Gupta, S.	Advancing Social Equity Through Accessible Green Innovation	2025
6	Article	Heritage tourism: authenticity vs sustainability in living museums	Agrawal, G., Girija, S., Banerji, B., Wadera, D., Mehrotra, V.	Journal of Tourism and Cultural Change	2025
7	Book Chapter	Recent advances in CRISPR/Cas9 for climate-resilient agriculture in vegetable crops	Dinkar, V., Kushwaha, A.K., Singh, A.K., Kumar, A., Singh, B.	Climate Resilient Agriculture: A Molecular Perspective	2024
8	Article	Groundwater Resilience in Rice-Growing Regions: Utilizing GRACE Data for Sustainable Water Management	Neelam, Rathee, R.K., Mishra, S.K., Kumar, A.	Water and Energy International	2024
9	Article (Open Access)	Climate change impact assessment on the water resources of the Upper Yamuna River Basin in India	Rathee, R.K., Mishra, S.K.	Environment Development and Sustainability	2024
10	Article	Sustainable Management of Floral Waste to Reduce Environmental Pollution by Conversion to Value-Added Products	Gupta, V.K., Kumar, R., Dhanker, R., Kamble, S.S., Mohamed, H.I.	Water Air and Soil Pollution	2024
11	Review	Regeneration and reusability of non-conventional low-cost adsorbents to remove dyes from wastewaters: a review	El Messaoudi, N., El Khomri, M., El Mouden, A., Kumar, V., Américo-Pinheiro, J.H.P.	Biomass Conversion and Biorefinery	2024
12	Conference Paper (Open Access)	Real-Time Information Access in Urban Environments: A User Interaction Study Using the Real-Time Information Test	Orlov, A.K., Sehgal, S.S., Bhardwaj, N., Kumari, N., Bharadwaj, D.	Bio Web of Conferences	2024
13	Conference Paper (Open Access)	Data-Intensive Traffic Management: Real-Time Insights from the Traffic Management Simulation Test	Blinova, T., Kumar, R., Kansal, L., Guven, U., Yeluri, L.P.	Bio Web of Conferences	2024
14	Conference Paper (Open Access)	Crowdsourced Data for Informed Urban Development: A Social Media Crowdsourcing Test	Epifantsev, K.V., Bisht, S., Vanam, M., Prakash, A., Sharma, M.	Bio Web of Conferences	2024
15	Conference Paper (Open Access)	Using the IoT Sustainability Assessment Test to Assess Urban Sustainability	Kankhva, V.S., Ikram, M., Bahl, A., Acharya, P., Parik, K.	Bio Web of Conferences	2024

16	Conference Paper (Open Access)	Real-Time Traffic Management in Smart Cities: Insights from Simulation and Impact Analysis	Dmitrieva, E.I., Pathani, A., Pushkarna, G., Rana, M., Surekha, P.	Bio Web of Conferences	2024
17	Conference Paper (Open Access)	Optimizing City Services through Data-Driven Dynamic Urban Communication	Rinat, K., Ghalwan, M., Kaur, N., Banerjee, A., Lavanya, G.	Bio Web of Conferences	2024
18	Conference Paper (Open Access)	A Comparative Study of Digital City Development Using the Data-Driven Smart City Index	Vasilyeva, E., Prakash, S., Dixit, S., Bhardwaj, K., Shruti, C.H.M.	Bio Web of Conferences	2024
19	Conference Paper (Open Access)	Enhancing Smart City Services with AI: A Field Experiment in the Context of Industry 5.0	Taskaeva, N.N., Joshi, S.K., Dixit, S., Jena, P.C., Vyas, A.	Bio Web of Conferences	2024
20	Conference Paper (Open Access)	Measuring the Impact of Public Display Advertising in Smart Cities	Solovyeva, E.B., Deorari, R., Pushkarna, G., Ranjan, R., Sharma, S.	Bio Web of Conferences	2024
21	Conference Paper (Open Access)	Performance Evaluation of IoT Sensors in Urban Air Quality Monitoring: Insights from the IoT Sensor Performance Test	Blinova, T., Chauhan, S.S., Singla, T.S., Mittal, A., Yellanki, V.S.	Bio Web of Conferences	2024
22	Conference Paper (Open Access)	Reducing Carbon Emissions: An Analysis of Smart City Initiatives and the Carbon Reduction Test	Chulenyov, A.S., Nautiyal, M., Singla, A.K., Arora, R., Kumar, A.	Bio Web of Conferences	2024
23	Conference Paper (Open Access)	Search Behaviour in Public Spaces: Insights from Urban Kiosks and the Search Behaviour Test	Natalia, V., Joshi, A., Anand, S., Goel, S., Yellanki, V.S.	Bio Web of Conferences	2024
24	Conference Paper (Open Access)	Public Displays in Smart Cities: A User Interaction and Content Impact Analysis	Taskaeva, N.N., Shah, S.K., Verma, V., Arya, V., Surekha, P.	Bio Web of Conferences	2024
25	Conference Paper (Open Access)	Optimizing Waste Management through IoT and Analytics: A Case Study Using the Waste Management Optimization Test	Kuzhin, M.F., Joshi, A., Mittal, V., Khatkar, M., Guven, U.	Bio Web of Conferences	2024
26	Conference Paper (Open Access)	Community Engagement in Smart Cities: A Social Network Analysis and Community Engagement Test	Vafaeva, K.M., Ghalwan, M., Surekha, P., Nangia, R., Bharadwaj, D.	Bio Web of Conferences	2024

27	Conference Paper (Open Access)	Leveraging Big Data Analytics for Urban Planning: A Study Using the Big Data Analytics Efficiency Test	Vasilyeva, E., Singh, R., Sobti, R., Sharma, R., Surekha, P.	Bio Web of Conferences	2024
28	Article	Manan Motors: readiness for rural distribution	Mittal, R., Sinha, P., Rishi, B.	Emerald Emerging Markets Case Studies	2024
29	Conference Paper	Development of a sustainable business model during Covid-19 for agri-food system	Anh, D.N., Chandra, S., Vali, S.M., Sharma, A., Joshi, N.	3rd International Conference on Advances in Computing Communication and Materials (ICACCM)	2024
30	Article	Investigation of indoor air pollutants in different environmental settings and their health impact: a case study of Dehradun, India	Nandan, A., Mondal, P., Kumar, S., Raja, S., Hussain, C.M.	Air Quality Atmosphere and Health	2023
31	Book Chapter	Antibiotic resistance genes as contaminants in industrial wastewater treatment	Dhanker, R., Mammen, M., Singh, A., Hussain, T., Tyagi, P.	Genomics of Antibiotic Resistant Bacteria in Industrial Waste Water Treatment	2023
32	Book Chapter	Improving plant nutrient use efficiency for climate-resilient agriculture	Deb, P., Mandal, A., Harendra, Santra, S.C., Moulick, D.	Climate Resilient Agriculture	2023
33	Article	Hierarchical integrated spatial risk assessment model of fire hazard for the core city areas in India	Rani, G., Siddiqui, N., Yadav, M., Ansari, S.	Land Use Policy	2023
34	Conference Paper	Using University Cubesats for Earthquake Detection and Disaster Management	Guyen, U., Satyanarayana, B.S.	Proceedings of the International Astronautical Congress (IAC)	2023
35	Article (Open Access)	Biosynthesis and characterization of silver nanoparticles generated from peels of Solanum tuberosum and their antibacterial and wastewater treatment potential	Deepa, Dhanker, R., Kumar, R., Saxena, K., Goyal, S.	Frontiers in Nanotechnology	2023
36	Article	Impact of Crop Residue Burning on Groundwater Storage and Air-Quality	Neelam, Rathee, R.K., Kumar, A.	Water and Energy International	2023
37	Book Chapter	Introduction to Micropollutants and Their Sources	Shaida, M.A., Talukdar, S., Mahtab, M.S., Farooqi, I.H.	Management of Wastewater and Sludge: New Approaches	2023

38	Conference Paper	Smart Cities Hybridized to Prevent Phishing URL Attacks	Swathi, G., Shwetha, M., Potluri, P., Kumar, Y., Rajchandar, K.	Proceedings of the 2023 2nd International Conference on Electronics and Renewable Systems (ICEARS)	2023
39	Article (Open Access)	Microbial strategies for degradation of microplastics generated from COVID-19 healthcare waste	Dey, S., Anand, U., Kumar, V., Bhat, S.A., Dey, A.	Environmental Research	2023
40	Article (Open Access)	Integrated Climate Action Planning (ICLAP) in Asia-Pacific Cities: Analytical Modelling for Collaborative Decision Making	Sethi, M., Liu, L., Ayaragarnchanakul, E., Surjan, A.K., Mittal, S.	Atmosphere	2022
41	Conference Paper	AFFORDABLE HOUSING – A SUSTAINABLE PERSPECTIVE	Sarkar, D., Kapoor, M.K.	ZEMCH International Conference	2022
42	Book Chapter	Microbial Ecology of Wastewater Treatment Processes: Trends, Challenges, and Perspectives	Chauhan, A.S., Kumar, A., Parmar, K., Kumar, V.	Omics Insights in Environmental Bioremediation	2022
43	Article (Open Access)	How to tackle complexity in urban climate resilience? Negotiating climate science, adaptation and multi-level governance in India	Sethi, M., Sharma, R., Mohapatra, S., Mittal, S.	PLOS One	2021
44	Article	IPFS enabled blockchain for smart cities	Tiwari, A., Batra, U.	International Journal of Information Technology (Singapore)	2021
45	Conference Paper	A Review: E-Nose and Air Purifier System based on Emerging Technology for Smart City Applications	Kumar, S.L., Choudhary, S., Singh, R.	IET Conference Proceedings	2021
46	Review	Sustainable digital preservation and access of heritage knowledge in India: A review	Ahmad, A., Sharma, S.	DESIDOC Journal of Library and Information Technology	2020
47	Article	Review of Concepts, Tools and Indices for the Assessment of Urban Quality of Life	Mittal, S., Chadchan, J., Mishra, S.K.	Social Indicators Research	2020
48	Review	Importance of senior housing societies after retirement and its development in India: A review	Chaturvedi, A., Agrawal, A.	International Journal of Scientific and Technology Research	2020
49	Conference Paper	Identification of Safety and Security Vulnerabilities in Cyber Physical Systems	Vyas, A., Batra, U.	Communications in Computer and Information Science	2020

50	Conference Paper	Classification and analysis of real-world earthquake data using various machine learning algorithms	Vasti, M., Dev, A.	Lecture Notes in Electrical Engineering	2020
51	Article	Assessing the urban design qualities of streets for pedestrians: A case study of Gurgaon	Kumar, V.K., Mishra, S.K., Chadchan, J.	International Journal of Scientific and Technology Research	2019
52	Article (Open Access)	Complete street planning and design: A framework to develop quantitative and qualitative evaluation method	Kumar, V.K., Chadchan, J., Mishra, S.K.	International Journal of Engineering and Advanced Technology	2019
53	Article	Estimation of re-aeration coefficient using MLR for modelling water quality of rivers in urban environment	Arora, S., Keshari, A.K.	Groundwater for Sustainable Development	2018
54	Article (Open Access)	Characterization and Performance Evaluation of Sewage Treatment Plants based on different technologies: A case study of Delhi, India	Sharma, P., Mishra, S.K., Sood, S.	Journal of Environmental Science and Engineering	2018
55	Book Chapter	Smart and livable cities: Opportunities to enhance quality of life and realize multiple co-benefits	Mittal, S., Sethi, M.	Exploring Urban Change in South Asia	2018
56	Article	Predicting river water quality index using data mining techniques	Babbar, R., Babbar, S.	Environmental Earth Sciences	2017
57	Review	Addressing big data challenges in smart cities: A systematic literature review	Chauhan, S., Agarwal, N., Kar, A.K.	Info	2016

Impact and Way Forward

GD Goenka University is committed to advancing Sustainable Development Goal 11 by creating an inclusive, safe, resilient, and sustainable campus environment that reflects the ideals of sustainable cities and communities. The University continues to strengthen its infrastructure, environmental policies, and partnerships to ensure responsible urban development and an enhanced quality of life on campus.

Through initiatives such as energy-efficient buildings, the Sewage Treatment Plant (STP), solid waste recycling, and green landscaping, the University promotes environmental stewardship and sustainable resource use. Student-led plantation drives, cleanliness campaigns, and awareness programs further foster a culture of sustainability and civic responsibility.

With pedestrian-friendly planning, barrier-free infrastructure, and eco-conscious transport systems, GD Goenka University exemplifies a sustainable, inclusive, and resilient campus that supports the vision of SDG 11. Through these ongoing initiatives, GD Goenka University reaffirms its commitment to achieving Sustainable Development Goal 11 by fostering a sustainable, inclusive, and resilient campus that serves as a model for future-ready, eco-conscious educational institutions.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



SDG 12: Responsible Consumption & Production

GD Goenka University – Sustainability Initiatives and Achievements

1. Introduction

Sustainable Development Goal 12 focuses on ensuring responsible consumption and production patterns, emphasizing efficient resource use, waste reduction, and sustainable management of natural resources. Promoting sustainable practices in education, research, and operations is critical to cultivating awareness and actionable solutions among future leaders.

Sustainable development is the pathway to the future we want for all. It offers a framework to generate economic growth, achieve social justice, exercise environmental stewardship, and strengthen governance.” – Ban Ki-moon, former UN Secretary-General

GD Goenka University, established in 2013 under the vision of Shri A.K. Goenka, is a leading state private university located on a 60-acre campus in Sohna, Gurugram, Haryana. The University has quickly emerged as a centre for innovation, entrepreneurship, and professional development in India’s higher education landscape. It offers a comprehensive range of undergraduate, postgraduate, and doctoral programmes across diverse disciplines, including Engineering & Sciences, Management, Law, Liberal Arts & Social Sciences, Healthcare & Allied Sciences, Hospitality & Tourism, Agricultural Sciences, and Design. Recognized by the University Grants Commission (UGC) and affiliated with professional bodies such as the Bar Council of India (BCI) and the Indian Council of Agricultural Research (ICAR), the University ensures academic rigour aligned with global standards.

In line with SDG 12, GD Goenka University promotes sustainable practices through campus initiatives, academic curricula, and research activities. The University fosters awareness of resource efficiency, circular economy, and environmental stewardship among students and faculty, encouraging responsible consumption, eco-friendly technologies, and solutions for sustainable development.

GD Goenka University Initiatives

a) Promoting Responsible Consumption and Sustainable Practices at GD Goenka University

GD Goenka University integrates the principles of SDG 12 — Responsible Consumption and Production — into its campus operations and academic culture. The university has implemented solar photovoltaic systems and rain water harvesting through 14 borewells, raising the ground water bed level from about 800 ft to 150 ft. All treated wastewater is fully recycled within campus boundaries, ensuring no discharge of treated water outside the institution. The university maintains and publishes its Green Energy & Environment Audit Report and Carbon Footprint Report 2023 24, reflecting its commitment to measurable and transparent environmental performance.

In addition to resource-efficient infrastructure, GD Goenka University promotes responsible consumption among its community. Initiatives include electronic waste collection, reducing paper use through centralized digital systems, and a ban on single-use polythene. These efforts foster a culture of sustainability and circular economy thinking among students, faculty, and staff, reinforcing the university’s role in advancing sustainable development and environmental stewardship.

b) Waste Management and Recycling



GD GOENKA UNIVERSITY
UGC APPROVED

Waste Segregation and Management

 Solid Waste Management	 Liquid Waste Management	 Bio Medical Waste Management	 E-Waste Recycling	 Hazardous Chemicals
<p>MOU</p> <ul style="list-style-type: none"> Greenobin Farm Palate 	<p>STP well built with 1.25 L Water is recycled HWRA approval</p>	<p>MOU</p> <ul style="list-style-type: none"> Sahas Zero Waste Bharat Oil Waste Limited 	<p>MOU</p> <ul style="list-style-type: none"> Reboot Pvt. Ltd. 	<p>MOU</p> <ul style="list-style-type: none"> M/S Sunrise Industries
				

Vermi-Compost and Vermi-wash prepare at GDGU





Transforming Waste into Wealth to Recycle Resources, and Nourish Growth



Waste Management for Organic Manure Production



Wastewater recycling/STP



Vermicompost Unit & Organic Manure

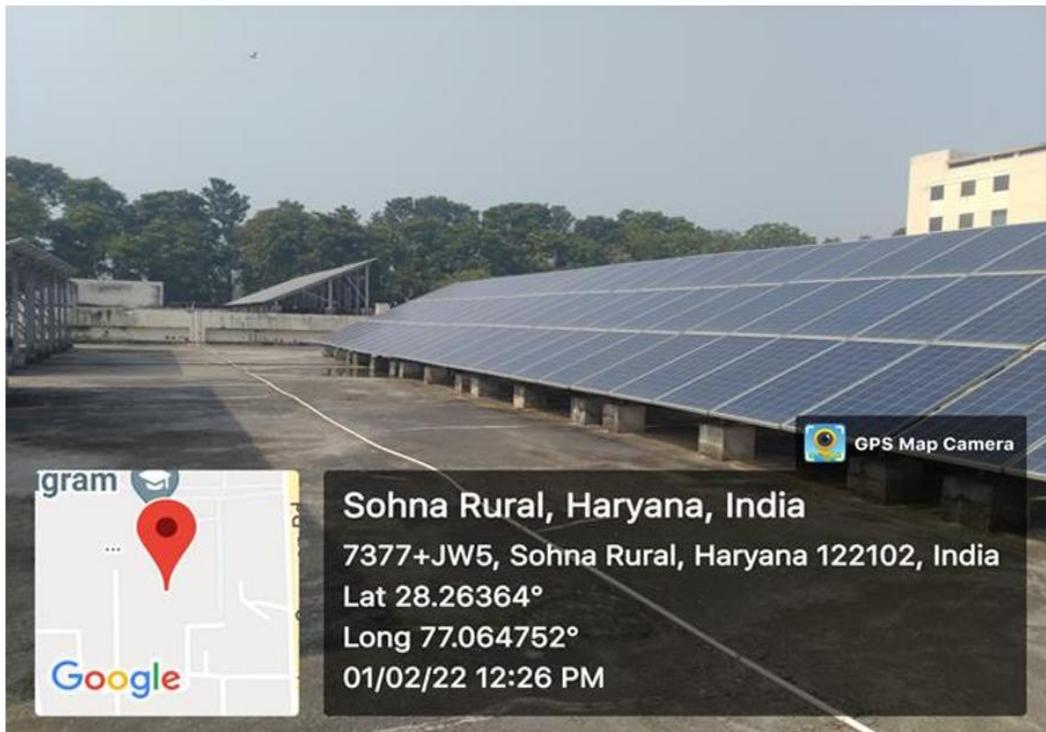


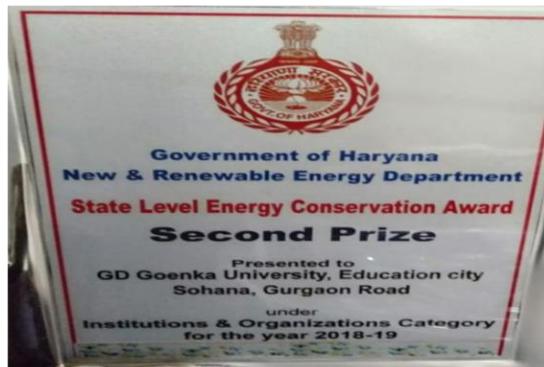
Fertigation and Climate Control Unit

www.gdgoenkauniversity.com

c) Sustainable Infrastructure

- Solar panels installed on campus buildings for renewable energy generation.
- Energy-efficient lighting and water-saving fixtures reducing campus consumption.
- Construction of Tanks & Bunds
- Green landscaping and tree plantations enhancing biodiversity on campus.



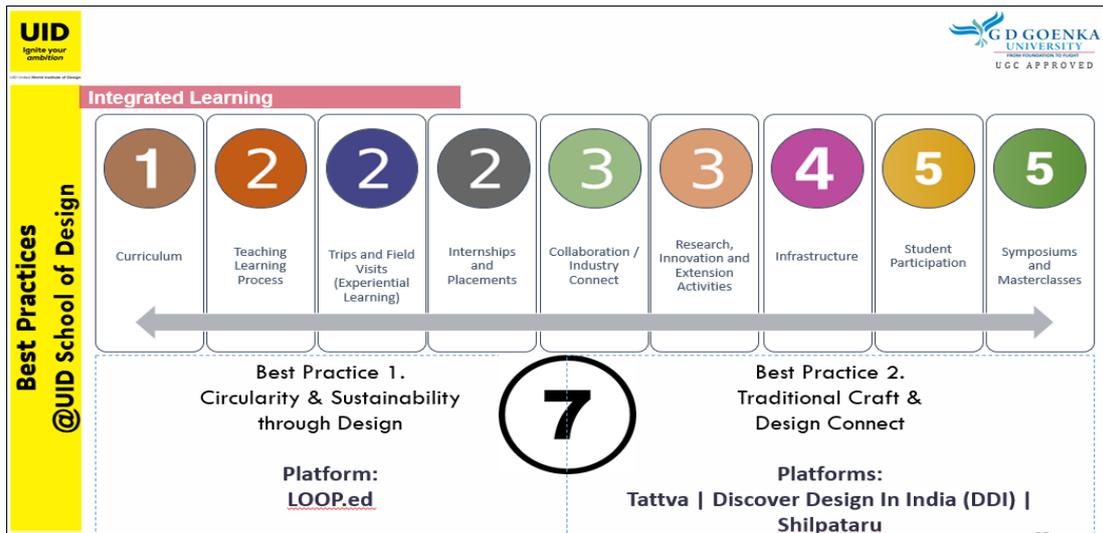




d) Awareness Campaigns and Workshops

- Students attending sustainability workshops and interactive seminars.
- Posters and banners promoting responsible consumption displayed around campus.
- Community outreach programs educating local residents on environmental practices.

Students attending sustainability workshops and interactive seminars



UID Ignite your ambition

G D GOENKA UNIVERSITY UGC APPROVED

Best Practice 1: Circularity & Sustainability through Design

Best Practice 2: Traditional Craft & Design Connect

LOOP.ed
A conclave on responsible consumption and production in design.

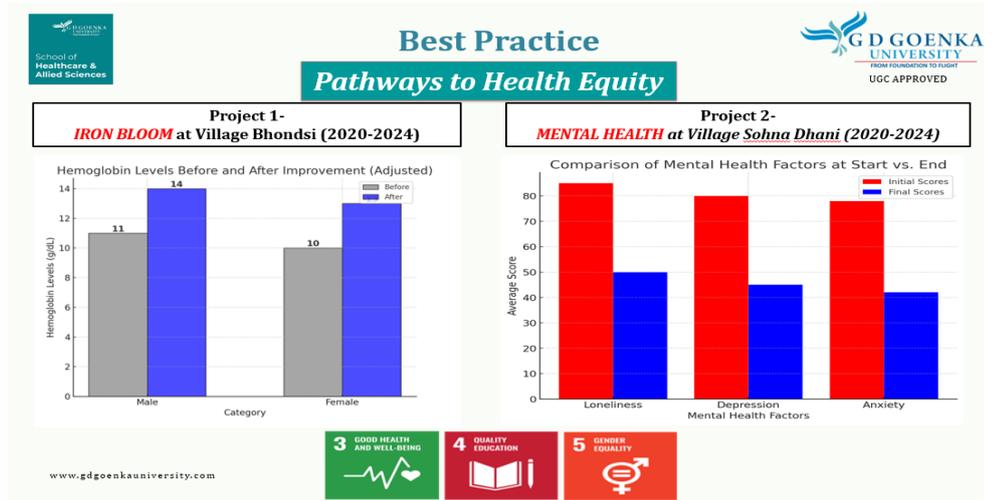
Shilpataru
Discover Design in India to safeguard our cultural and natural heritage.



Community outreach programs educating residents on environmental practices



**PO10 : Legal Aid
SDG 5: Gender Equality
Course: Law and Society (SLA 2708)
Legal Aid Awareness Camp [31 August 2022]**



Empowering the Farming Community



**Krishi Mela Farmer Awareness Program-
Abheypur Village, 18-19th
December 2022**





Community Service
Awareness session at Dream Girls Foundation



Visit to NGO, Apr 26, 2023



Visit to NGO, Apr 2, 2024

e) Ethical and Sustainable Procurement

- Cafeteria using eco-friendly utensils and serving locally sourced food.

Cafeteria using eco-friendly utensils and serving locally sourced food

Multiple Eateries & Food Outlets



www.gdgoenkauniversity.com



Innovation in Sustainability

- Student projects showcasing sustainable technologies and eco-solutions.
- Demonstration of renewable energy systems or waste-to-resource initiatives on campus.



Workshops and Technical Sessions



Fingerprinting and Hands on Training, Jan 17, 2022



Symposium and Hands-on Training on Molecular Biology Techniques, Oct 11-13, 2022



Workshop on Innovation, Entrepreneurship and Sustainability, 16-19 Oct 2023



2D and 3D Modeling of Components in Autodesk Inventor, Nov 9, 2023



Emergency preparedness Training - Donaldson, Mar, 13, 2024



Interdisciplinary Research Communications Workshop, Apr 9, 2024



Active Participation of Students in National Level Hackathons & Competitions



Winners of Smart India Hackathon 2020, 2021, 2022 & 2024



Magic Fruit Cleaner, 2019-2020



Self-Sustained Rapid Transit, 2021-2022



SIH 2021



SIH 2022



Sani-Pad Bin, 2022-2023



Waste2Wonder, 2023-2024



www.gdgoenkauniversity.com

SIH 2024



Resonix: AI-Optimized Wireless Energy Transfer using Modulated Frequency Technology, 2023-2024





Transforming Waste into Wealth to Recycle Resources, and Nourish Growth



Waste Management for Organic Manure Production



Wastewater recycling/STP



Vermicompost Unit & Organic Manure



Fertigation and Climate Control Unit

www.gdgoenkauniversity.com



Extension Activity

Co-Learning with the Community
NGO Naviyoti India Foundation

Bags for a Cause: A community service & waste management strategy to foster sustainability



Extension Activity & Best Practice
Circularity & Sustainability through Design



2022 - 2023



2024

Demonstration of renewable energy systems or waste-to-resource initiatives on campus



f) Energy Performance and Electricity Consumption

GD Goenka University demonstrates responsible energy management in line with SDG 12, which focuses on responsible consumption and production. The university has a total built-up area of 102,028.6 m² and recorded an annual electricity consumption of 6,047,773.9 kWh, resulting in an Energy Performance Index (EPI) of 59.28 kWh/m²/year. This is significant, given that nearly all campus spaces are air-conditioned.

Monthly electricity consumption data shows the combined usage from both the grid and solar power, totaling 5,135,320 kWh for the year, with solar contributing 159,956 kWh. Monitoring these consumption patterns enables the university to implement targeted energy-saving measures, optimize system efficiency, and promote mindful usage among campus stakeholders.

By tracking energy performance, leveraging renewable sources, and encouraging efficient consumption, GD Goenka University aligns with SDG 12's goals of responsible resource use, reducing environmental impact, and fostering sustainable practices across its campus.

Electricity Consumption:

The details of power consumption from total as well as from the grid along with solar power generation is as under.

Month	University		
	DHBVN KWH	Solar KWH	Total KWH
Dec-22	133453	12921	146374
Jan-23	125574	10160	135734
Feb-23	141387	14474	155861
Mar-23	292012	14661	306674
Apr-23	467452	15563	483015
May-23	592330	15445	607775
Jun-23	526222	13934	540156
Jul-23	520391	12324	532715
Aug-23	700276	13991	714267
Sep-23	732612	12571	745184
Oct-23	512874	14805	527679
Nov-23	230780	9106	239886
Total	4975364	159956	5135320

Energy Performance Index:

Description	Unit	Value
University	M ²	102028.6
Total Area	M ²	102028.6
Annual Consumption	KWH	6047773.9
Energy Performance Index	KWH/M ² /Year	59.28

The energy performance index is quite decent considering almost all the space is air conditioned.

g) Plantation, Landscaping & Biodiversity

At GD Goenka, we promote responsible consumption and production through sustainable plantation, landscaping, and biodiversity initiatives. Our campus features green cover with native and fruit-bearing trees, pollinator-friendly zones, and eco-friendly landscaping that conserves water and reduces chemical use. By composting organic waste, using natural fertilizers, and creating habitats for local flora and fauna, we support biodiversity while minimizing environmental impact. These efforts enhance the campus ecosystem and instill a culture of sustainability among students and staff, reflecting our commitment to SDG 12.



3. Research Projects and Publications

a) Projects

GDGU actively aligns its operations and research with SDG 12's mandate of promoting sustainable consumption and production patterns. On the campus infrastructure front, GDGU has implemented measures such as centralised digital systems to reduce paper use, rooftop solar photovoltaic installations, rainwater harvesting across 14 borewells (raising the groundwater bed from ~800 to ~150 feet), water efficient fixtures, sewage treatment and water reuse systems. gdgoenka.com The campus also emphasises waste reduction practices: food waste is recycled into manure for landscaping, e waste and dry leaf management are institutionalized, and solid/liquid waste and rainwater harvesting systems are built into the facilities. gdgoenkauniversity.com+1



Lakshmi Surya

Assistant Professor- Foundation Studies

Qualification: M.Des in Design Research and Graduate in Fashion Design

College/University:

- M.Des, NIFT New Delhi.
- B.Des, NIFT- Chennai.



Introduction:

Dr. Prerna Sharma has professional experience of more than ten years in the field of Environmental Engineering and Solid Waste Management. Her current research areas include performance evaluation and monitoring of STP's and technologies used for sewage treatment. She was awarded with "Award of Honor from: AKHIL BHARTIYA VIDYARTHI PARISAD" for securing first position in M.Sc by Panjab University, Chandigarh. She has taught subjects related to the allied fields like Soil and Water Conservation Engineering, Renewable Energy and Technology, Irrigation Engineering, Environmental Impact Analysis, Environmental Engineering, Research Methodology and Biostatistics, Disaster Management, Pollution Control & Monitoring, Municipal Solid Waste: Engineering Principles & Management, Industrial Waste Management, and Fundamentals of Agronomy. Dr. Prerna Sharma is also an Editorial Board member in journals related to Civil and Environmental Engineering and is actively involved in the event management activities like workshops/industrial visit/conferences etc. Prior to taking up the current role in 2014, Dr. Prerna Sharma served as Assistant Professor in Chandigarh University (CU) Mohali, Punjab.

Dr. Prerna Sharma is awarded with the 'Best Teacher' Award for the academic year 2021-2022 by GD Goenka University. She also received the 'Outstanding Teaching Faculty' Award for the academic year 2020-2021. She has contributed 29 Research papers in the journals and conferences of repute.

Dr. Prerna Sharma is also awarded with the Best Senior Faculty award from the Novel Research Academy, Puducherry, India on 31st July 2023 for her academic contribution in Science and Technology under the category of 'Environmental Engineering' specialization for the academic year 2022-2023.

In terms of research and academics, GDGU's faculty and centres cover domains directly relevant to SDG 12. For example, the School of Engineering & Sciences includes faculty whose research focuses on environmental engineering, wastewater and solid waste management (e.g., Dr Prerna Sharma's work on STP performance and municipal solid waste). gdgoenkauniversity.com Another example: the Design faculty (e.g., Lakshmi Surya) pursue research on sustainable fashion and supply chains, explicitly anchored on SDG 12: Responsible Consumption & Production. gdgoenkauniversity.com GDGU also hosts conferences (such as "TLASH 2024 – Transforming Lives Through Adoption of SDGs") aimed at highlighting higher education contributions to the SDGs and sustainable practices. gdgoenkauniversity.com

Dr. Prerna Sharma

Assistant Professor

Qualification: Ph.D. (Environmental Engineering), M.Sc (Gold Medalist Environment & Solid Waste Management, M.E (Environmental Engineering), (B.Sc Medical) and Advanced Diploma (Environmental Auditing)

College/University: GD Goenka University, Gurugram, Panjab University Chandigarh, PEC University of Technology, Chandigarh



Introduction:

Dr. Prerna Sharma has professional experience of more than ten years in the field of Environmental Engineering and Solid Waste Management. Her current research areas include performance evaluation and monitoring of STP's and technologies used for sewage treatment. She was awarded with "Award of Honor from: AKHIL BHARTIYA VIDYARTHI PARISAD" for securing first position in M.Sc by Panjab University, Chandigarh. She has taught subjects related to the allied fields like Soil and Water Conservation Engineering, Renewable Energy and Technology, Irrigation Engineering, Environmental Impact Analysis, Environmental Engineering, Research Methodology and Biostatistics, Disaster Management, Pollution Control & Monitoring, Municipal Solid Waste: Engineering Principles & Management, Industrial Waste Management, and Fundamentals of Agronomy. Dr. Prerna Sharma is also an Editorial Board member in journals related to Civil and Environmental Engineering and is actively involved in the event management activities like workshops/industrial visit/conferences etc. Prior to taking up the current role in 2014, Dr. Prerna Sharma served as Assistant Professor in Chandigarh University (CU) Mohali, Punjab.

Dr. Prerna Sharma is awarded with the 'Best Teacher' Award for the academic year 2021-2022 by GD Goenka University. She also received the 'Outstanding Teaching Faculty' Award for the academic year 2020-2021. She has contributed 29 Research papers in the journals and conferences of repute.

Dr. Prerna Sharma is also awarded with the Best Senior Faculty award from the Novel Research Academy, Puducherry, India on 31st July 2023 for her academic contribution in Science and Technology under the category of 'Environmental Engineering' specialization for the academic year 2022-2023.

Objectives

- To explore the transformative potential of SDGs and the role of HEIs in achieving them.
- To showcase successful initiatives and best practices by HEIs in integrating SDGs into their teaching, research, and community engagement activities.
- To foster collaboration and partnerships between HEIs, governments, the private sector, and civil society organizations to accelerate progress towards the SDGs.
- To identify challenges and opportunities in mainstreaming SDGs within higher education.
- To develop recommendations for a comprehensive action plan for HEIs to contribute effectively to the 2030 Agenda.



Call for Papers

Original unpublished articles are invited for submission to the following tracks, including the topics, but not limited to:

Track 1: Innovations in Health Equity and Environment Sustainability

Track 2: Engineering a Sustainable Future: Role of Science and Technology for Achieving SDGs

Track 3: Leadership and Innovation for Sustainable Future

Track 4: Legal Innovations for Sustainable Future: The Role of Law Schools in Advancing SDGs

Track 5: Interdisciplinary approaches of arts and humanities and contributions to sustainable development

Track 6: Innovative Agricultural Practices for a Sustainable Future

Track 7: Global Trends in Sustainable Hospitality and Tourism and Their Impact on Education

GDGU’s research publications show topics like “Technological innovations for waste management in food processing industry: an overview”. gdgoenkauniversity.com Moreover, in its “Responsible Consumption & Production” page, GDGU clearly states the aim of reducing waste generation, promoting reuse and recycle (the “3Rs”) and ensuring efficient use of resources. gdgoenkauniversity.com

Relevance to SDG 12:

These initiatives collectively address core SDG 12 targets: reducing waste generation, improving resource efficiency, promoting sustainable practices across production and consumption domains (including campus operations and research). By combining infrastructure, research, curriculum and events, GDGU is building a holistic ecosystem that supports the transition to more responsible consumption and production.



b) Publication
SDG 12 – Responsible Consumption & Production - Publications - 72

S.No.	Type	Title	Authors	Journal / Book	Year
1	Article • Open access	Faculty transformation for enhanced student learning: A structural equation modelling study on responsible management education in India	Banerji, B., Girija, S., Sharma, D.R., Batra, N., Sriramneni, C.	Journal of University Teaching and Learning Practice	2025
2	Book Chapter	Internet of Things (IoT)-driven smart city development: An undetected sustainable revolution in India	Gorowara, N., Khan, M.A., Avasthi, P., Varma, R.A., Gupta, S.	Advancing Social Equity Through Accessible Green Innovation	2025
3	Book Chapter	Industrial Application of Bio-nanomaterials in Agriculture	Pandey, V., Sharma, A., Kumar, D., Samadhiya, N., Tomar, S.S.	Bio Nanomaterials in Environmental Remediation Industrial Applications	2025
4	Article	The PROMETHEE-GAIA: A multi-criteria decision-making method for identifying best conservation agricultural practices	Biswas, T., Ishizaka, A., Majumder, A., Mishra, P.M., Acharya, S.K.R.	Soil and Tillage Research	2025
5	Article	Unraveling the nexus between crop residue burning and air quality in Haryana state, India	Neelam, N., Rathee, R.K., Mishra, S.K.	Paddy and Water Environment	2025
6	Book Chapter	Mapping Ethical Values onto Sustainable Tourism: A Bibliometric Perspective	Sharma, M., Wadhwa, S., Sharma, A., Masih, J.	Studies in Systems Decision and Control	2025
7	Article	Heritage tourism: authenticity vs sustainability in living museums	Agrawal, G., Girija, S., Banerji, B., Wadera, D., Mehrotra, V.	Journal of Tourism and Cultural Change	2025
8	Book Chapter	Impact of prenatal tourism in mental health services in developing countries	Prakash, J., Kumari, U., Singh, V.K.	Exploration of Prenatal Tourism and Birthright Citizenship	2024
9	Review Open access	Microwave-Assisted Synthetic Pathways of Pyrrole: A Comprehensive Review	Yadav, R., Sanduja, M., Kumar, V.V., Khan, S., Kumar, K.	Asian Journal of Organic Chemistry	2024
10	Review Open access	Sustainable marketing mix and supply chain integration: A systematic review and research agenda	Garg, R., Chhikara, R., Agrawal, G., Rathi, R., Arya, Y.	Sustainable Futures	2024

11	Article	Evaluation of management practices in rice-wheat cropping system using multicriteria decision-making methods in conservation agriculture	Biswas, T., Majumder, A., Dey, S., Ishizaka, A., Matuka, A.	Scientific Reports	2024
12	Article • Open access	Climate consciousness: assessing climate change awareness in Gurugram, India	Rimple, M.	Journal of Asian Business and Economic Studies	2024
13	Book Chapter	Balancing objectives: Discovering the unified threads of environmental sustainability and employee engagement	Khan, N., Khalique, F., Sarna, S., Saini, K.	Intersecting Human Resource Management and Organizational Culture for Environmental Sustainability	2024
14	Book Chapter	Emerging technologies for sustainable soil management and precision farming	Singh, A., Tomar, B., Margaryan, G.H., Singh, O., Ghazaryan, K.A.	Nanotechnology Applications and Innovations for Improved Soil Health	2024
15	Conference Paper • Open access	Assessing the Environmental Impact of Advanced Energy Storage Solutions: A Comparative Lifecycle Analysis	Mishra, M., Dutt, A., Saini, N., Srikanth, T., Talukdar, S.	E3S Web of Conferences	2024
16	Conference Paper • Open access	Polymer Matrix Nanocomposites for Lightweight Sustainable Automotive Parts	Sehgal, A., Sharma, D., Kataria, A., Vivek Kumar, C., Mongal, B.N.	E3S Web of Conferences	2024
17	Conference Paper • Open access	Sustainable Approaches for Recycling Solar Panel Materials: A Circular Economy Perspective	Yadav, R., Singla, A.K., Ghalwan, M., Vyas, A., Karthikeyan, R.	E3S Web of Conferences	2024
18	Conference Paper • Open access	Optimizing Solar-Wind Hybrid Microgrid Designs with Particle Swarm Techniques for Sustainable Energy Integration	Jain, A.K., Prakash, S., Bansal, S., Satyanarayana, G.V., Mongal, B.N.	E3S Web of Conferences	2024
19	Conference Paper • Open access	Recycling of Solar Panels: Sustainable Disposal of Photovoltaic Materials	Gera, R., Singh, H., Ikram, M., Prasad Raju, V.S., Kampani, S.	E3S Web of Conferences	2024
20	Conference Paper • Open access	Green Synthesis of Nanocatalysts for Sustainable Petrochemical Refining	Singla, T.S., Bisht, D., Taneja, M., Hemalatha, K., Talukdar, S.	E3S Web of Conferences	2024
21	Article	Groundwater Resilience in Rice-Growing Regions: Utilizing GRACE Data for	Neelam, Rathee, R.K., Mishra, S.K., Kumar, A.	Water and Energy International	2024

		Sustainable Water Management			
22	Conference Paper • Open access	Polymer Matrix Nanocomposites for Sustainable Packaging: A Green Approach	Vafaeva, K.M., Chhetri, A., Sudan, P., Sankara Babu, B., Mongal, B.N.	E3S Web of Conferences	2024
23	Conference Paper • Open access	Sustainable Production of Polymer Matrix Nanocomposites for Energy Storage	Dixit, S., Nautiyal, R.D., Parashar, K., Mouli, K.C., Vyas, A.	E3S Web of Conferences	2024
24	Conference Paper • Open access	Reuse and Recycling of Waste Materials for Green Nanocomposite Fabrication	Sharma, V., Negi, A.S., Sharma, N.K., Prashanthi, B., Sharma, P.	E3S Web of Conferences	2024
25	Conference Paper • Open access	Life Cycle Analysis of Energy Storage Technologies: A Comparative Study	Sanduru, B.T., Dhyani, M., Thakur, R., Bhardwaj, N., Talukdar, S.	E3S Web of Conferences	2024
26	Conference Paper • Open access	Sustainable Synthesis of Perovskite Solar Cells Using Green Materials	Kansal, L., Joshi, A., Mishra, R., Lakshmi Prasanna, J.L., Sharma, P.	E3S Web of Conferences	2024
27	Article	Sustainable Management of Floral Waste to Reduce Environmental Pollution by Conversion to Value-Added Products	Gupta, V.K., Kumar, R., Dhanker, R., Kamble, S.S., Mohamed, H.I.	Water Air and Soil Pollution	2024
28	Book Chapter	Nanotechnology solutions for sustainable pest and disease control	Singh, P.K., Tomar, B., Patle, T., Tomar, S.S., Singh, D.	Harnessing Nanooomics and Nanozymes for Sustainable Agriculture	2024
29	Book Chapter	Nanotechnology and agricultural sustainability: Environmental impacts and benefits	Kumari, M., Tomar, B., Singh, P.K., Patle, T., Parihar, S.S.	Harnessing Nanooomics and Nanozymes for Sustainable Agriculture	2024
30	Book Chapter	Advanced and intelligent nanofertilizer base soil management for sustainable agriculture	Tomar, B., Tomar, S.S., Parihar, S.S., Patel, H., Singh, P.K.	Sustainable Agriculture Nanotechnology and Biotechnology for Crop Production and Protection	2024
31	Review • Open access	Pesticides impacts on human health and environment	Ahmad, M.F., Ahmad, F.A., Alsayegh, A.A., Abdelrahman, M.H., Hussain, S.	Heliyon	2024
32	Conference Paper • Open access	Precision Agriculture and Sustainable Yields: Insights from IoT-Driven Farming	Vatin, N.I., Joshi, S.K., Acharya, P., Sharma, R., Rajasekhar, N.	Bio Web of Conferences	2024

33	Conference Paper • Open access	Using the IoT Sustainability Assessment Test to Assess Urban Sustainability	Kankhva, V.S., Ikram, M., Bahl, A., Acharya, P., Parik, K.	Bio Web of Conferences	2024
34	Conference Paper • Open access	Optimizing City Services through Data-Driven Dynamic Urban Communication	Rinat, K., Ghalwan, M., Kaur, N., Banerjee, A., Lavanya, G.	Bio Web of Conferences	2024
35	Conference Paper • Open access	Enhancing Smart City Services with AI: A Field Experiment in Industry 5.0	Taskaeva, N.N., Joshi, S.K., Dixit, S., Jena, P.C., Vyas, A.	Bio Web of Conferences	2024
36	Conference Paper • Open access	Reducing Carbon Emissions: Analysis of Smart City Initiatives	Chulenyov, A.S., Nautiyal, M., Singla, A.K., Arora, R., Kumar, A.	Bio Web of Conferences	2024
37	Conference Paper • Open access	Optimizing Waste Management through IoT and Analytics	Kuzhin, M.F., Joshi, A., Mittal, V., Khatkar, M., Guven, U.	Bio Web of Conferences	2024
38	Conference Paper • Open access	Supply Chain Optimization in Industry 5.0: An Experimental Investigation	Vatin, N.I., John, V., Nangia, R., Kumar, M., Yeluri, L.P.	Bio Web of Conferences	2024
39	Article	Influence of Organic Amendments Derived from Rice Straw and Cow Dung on Loamy Sand Soil	Yadav, S., Kumar, P.	Annals of Biology	2024
40	Article	Exploring drivers and barriers to non-formal education in Anganwadi centers	Garg, R., Chhikara, R., Kataria, A., Agrawal, G.	International Journal of Inclusive Education	2024
41	Book Chapter	Impact of nanotoxicity in soil microbiome and its remedial approach	Pandey, B.K., Jha, S., Jha, G., Shukla, S.K., Dikshit, A.	Microbiome Based Decontamination of Environmental Pollutants	2024
42	Book Chapter	Agronomic Strategies for Enhancing Forest Resilience to Climate Change	Kumar, D., Pandey, V., Dixit, S.	Forests and Climate Change: Biological Perspectives on Impact, Adaptation and Mitigation	2024
43	Book Chapter	The Soil-Climate Nexus in Forest Ecosystems	Pandey, V., Kumar, D.	Forests and Climate Change: Biological Perspectives	2024
44	Book Chapter	A theory-based approach to understanding social sustainability in tourism	Bhartiya, S.P., Bhatt, V., Rathore, A.H., Khanam, T.	Implementing Sustainable Development Goals in the Service Sector	2023
45	Article	Investigation of indoor air pollutants in different environmental settings	Nandan, A., Mondal, P., Kumar, S., Raja, S., Hussain, C.M.	Air Quality Atmosphere and Health	2023

46	Book Chapter	Forage cropping under climate smart farming	Sathyanarayana, E., Kumar, B.P., Tirunagari, R., Teja, K.C., Thallapally, S.	Molecular Interventions for Developing Climate Smart Crops	2023
47	Article	Culture, Compliance, Collaboration led Green Entrepreneurship for Environment Protection	Prasad, M., Jha, A.	Indian Journal of Environmental Protection	2023
48	Book Chapter	Oxidative Catalytic Potential of Lignin-Modifying Enzymes in Treatment of Emerging Contaminants	Bomfim, S.A., Barros, G.P., Bharagava, R.N., Eguiluz, K.I.B., Ferreira, L.F.R.	Genomics to Bioremediation	2023
49	Conference Paper	Spaceport Feasibility Analysis for Dubai: Logistics, Safety and Space Tourism	Guvén, U.	Proceedings of the International Astronautical Congress	2023
50	Article	Firm Characteristics and Adoption of Integrated Reporting: An Emerging Market Perspective	Bhatia, M., Mehrotra, V., Thawani, B.	Global Business Review	2023
51	Book Chapter	Generation of biofuels from rice straw and its future perspectives	Biswas, P., Mandal, S., Das, T., Bursal, E., Dey, A.	Green Approach to Alternative Fuel for A Sustainable Future	2023
52	Book Chapter	Introduction to Micropollutants and Their Sources	Shaïda, M.A., Talukdar, S., Mahtab, M.S., Farooqi, I.H.	Management of Wastewater and Sludge New Approaches	2023
53	Article • Open access	Microbial strategies for degradation of microplastics from COVID-19 healthcare waste	Dey, S., Anand, U., Kumar, V., Bhat, S.A., Dey, A.	Environmental Research	2023
54	Book	Omics for Environmental Engineering and Microbiology Systems	Kumar, V., Garg, V.K., Kumar, S.N., Biswas, J.K.	Omics for Environmental Engineering and Microbiology Systems	2022
55	Article	Flyash-Based Geopolymer as a Sustainable Construction Material	Shekhawat, P., Sharma, G., Singh, R.M.	Geotechnical and Geological Engineering	2022
56	Article	Role of Psychological Capital in Sustainability Orientation and Entrepreneurial Intensity	Sisodia, S., Jan, S.	Sustainability and Climate Change	2022
57	Article	Sustainable consumption practices in Indian households	Kaur, J., Mogaji, E., Wadera, D., Gupta, S.	Society and Business Review	2022
58	Article	Exploration of Green Materialism Framework: A Review	Rimple, M.	Indian Journal of Economics and Development	2022
59	Conference Paper	Assessing and Evaluating Seismic Sensitive	Pathak, A., Mishra, S.K., Sharma, A.	ZEMCH International Conference	2022

		Parameters of Historic Constructions			
60	Book Chapter	Contamination and impacts of metals and metalloids on agro-environment	Jha, S., Singh, R., Jha, G., Singh, P., Dikshit, A.	Metals and Metalloids in Soil Plant Water Systems	2022
61	Book Chapter	Microbial community and their role in bioremediation of polluted e-waste sites	Dey, S., Shekhawat, M.S., Pandey, D.K., Kumar, V., Dey, A.	Metagenomics to Bioremediation Applications	2022
62	Book Chapter	Overview of Soil Fertility from Past to Present	Sathyanarayana, E., Bharghavi, J., Saranya, S., Sunita, K., Jatav, H.S.	Ecosystem Services: Types, Management and Benefits	2022
63	Article • Open access	Corrosion Zones of Rebar in High-Volume Fly-Ash Concrete	Kumar, M.S., Kujur, J., Chatterjee, R., Rajkumar, S., Anand, A.	Advances in Civil Engineering	2022
64	Article	Aesthetically clean to clinically clean – New housekeeping practices in Delhi hotels	Sharma, S., Kaushik, T.	Worldwide Hospitality and Tourism Themes	2021
65	Article • Open access	Blockchain enabled reparations in smart buildings-cyber physical system	Tiwari, A., Batra, U.	Defence Science Journal	2021
66	Article	Impact of cause-affinity and CSR fit on consumer purchase intention	Sen Gupta, S., Wadera, D.	Society and Business Review	2021
67	Book Chapter	Bacterial community response to pesticides polluted soil	Dhanker, R., Goyal, S., Kumar, K.M., Hussain, T.	Recent Advancement in Microbial Biotechnology	2021
68	Article	Cost Benefit Analysis of Three Sewage Treatment Technologies in Delhi	Sharma, P., Mishra, S.K., Sood, S.	Indian Journal of Environmental Protection	2021
69	Book Chapter	Collation analysis of ZRP-RA accompanying ZRP and SHARP for sustainable computing	Zafar, S., Mehta, D., Khan, S., Iftexhar, N., Biswas, S.S.	EAI Springer Innovations in Communication and Computing	2021
70	Article	Nature tourism in Garhwal Himalaya: Stakeholder perception	Bhatt, V., Bhartiya, S.P.	African Journal of Hospitality Tourism and Leisure	2020
71	Book Chapter	Sustainable crop production and improvement through bio-prospecting of fungi	Haris, M., Shakeel, A., Ansari, M.S., Khan, A.A., Dhankar, R.	Fungi Bio Prospects in Sustainable Agriculture	2020
72	Article	Innovative measures in Indian hospitality industry: A case from Accor Hotels	Sen, K., Kaushik, T.	Worldwide Hospitality and Tourism Themes	2016



SDG 13: Climate Action

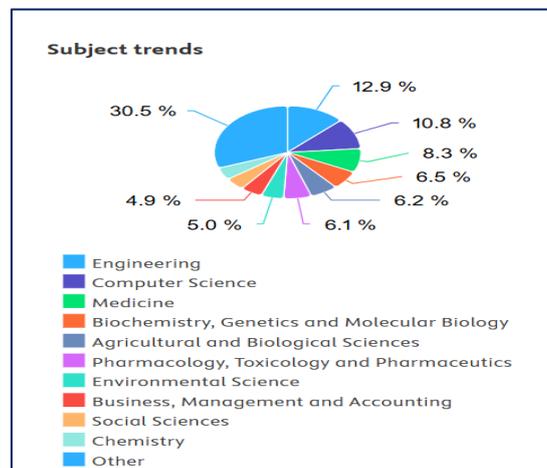
GD Goenka University – Sustainability Initiatives and Achievements

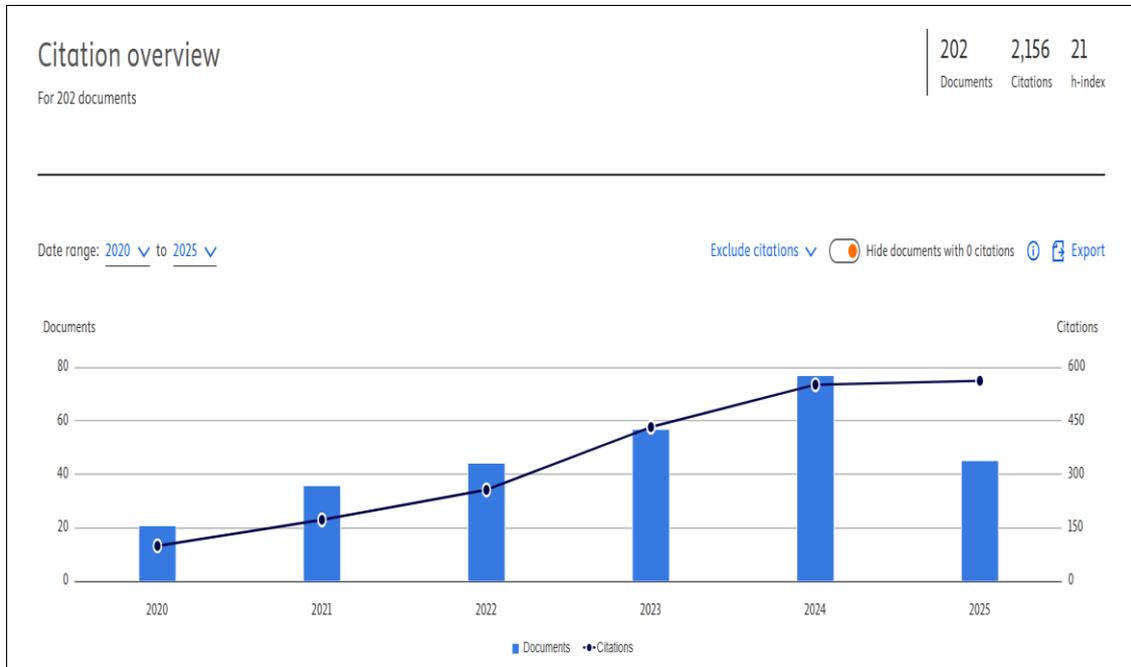
1. Introduction

In alignment with SDG 13 – Climate Action, the urgent imperative is to take decisive action to combat climate change and its wide-ranging impacts. Climate change has led to record warm decades, increased forest fires, severe droughts and floods, shifting weather patterns, rising sea levels, and other environmental disasters that affect agriculture, food security, economies and human lives globally. SDGs

Educational institutions must therefore play a leading role by raising awareness, integrating sustainability education, conducting action oriented research and adopting policy innovations. In this context, GD Goenka University has embedded climate action and sustainability into its academic and operational framework. The University offers dedicated programmes such as a Certificate in ESG & Sustainability and an MBA in ESG & Sustainability Management, demonstrating its commitment to building capacity for climate mitigation and adaptation. gdgoenkauniversity.com+2gdgoenkauniversity.com+2

Additionally, the University’s sustainability efforts include deploying solar photovoltaic systems, harvesting rainwater, incorporating electric vehicles for campus transportation and implementing waste recycling mechanisms, all of which contribute to reducing greenhouse gas emissions and resource consumption. gdgoenka.com. This report presents the status of implementation of SDG 13 (Climate Action) and the governing policy framework at GD Goenka University, Sohna (Gurugram), Haryana, India, for the year 2023.



GD Goenka University Scopus Publication


2. GD Goenka University Initiatives

a) Education

The global imperative under SDG 13 – Climate Action calls for higher education institutions to take urgent steps to mitigate climate change and its impacts. Climate change has led to rising global temperatures, extreme weather events, floods, droughts, and other environmental disasters affecting agriculture, economies, and human lives. Higher education institutions, therefore, play a vital role by integrating sustainability into education, research, and institutional practices.

At GD Goenka University, this commitment is reflected through specialized academic programmes, research initiatives, and hands-on learning experiences focused on sustainability and climate action. Key academic offerings include:

- Certificate in ESG & Sustainability – addressing environmental laws, ESG compliance, and sustainability practices. (Certificate in ESG & Sustainability)
- MBA in ESG & Sustainability Management – developing leadership skills and analytical competencies in sustainable management. (MBA - (ESG & Sustainability Management))
- M.Tech in Environmental Engineering with ESG & Sustainability Specialization – equipping students with the tools to design sustainable systems and tackle real-world environmental challenges. (M. Tech in Environmental Engineering with ESG & Sustainability Specialization)



In addition to formal programs, GDGU actively promotes research, innovation, and practical sustainability initiatives. Faculty and students engage in projects involving renewable energy, waste management, water conservation, and sustainable urban development. Initiatives like the Green Energy Audit and the University's Net Zero Commitment showcase institutional strategies toward climate neutrality. (Green Energy Audit 2023)

The Sustainable Development Club empowers students through hands-on activities such as biogas systems, renewable energy workshops, and community awareness programs. (Link) Additionally, campus infrastructure integrates sustainability through rooftop solar PV systems, rainwater harvesting, water reuse networks, and energy-efficient building designs. (Sustainability)

Through these educational and research initiatives, GDGU demonstrates a strong commitment to building capacity in students and faculty to address climate change challenges. The University's approach combines knowledge, practical skills, and community engagement to create responsible global citizens capable of driving meaningful climate action.



As an educational conglomerate, GD Goenka Group is dedicated and committed towards preserving the environment. GD Goenka University has been awarded the Titanium band in Green Ranking 2025 by R World Institutional Ranking. Our work has also been recognised by Times Higher Education Impact Ranking – Rank 401-600 in Clean Water & Sanitisation. We are continually focused on reducing our ecological footprint while fostering sustainability with initiatives such as:



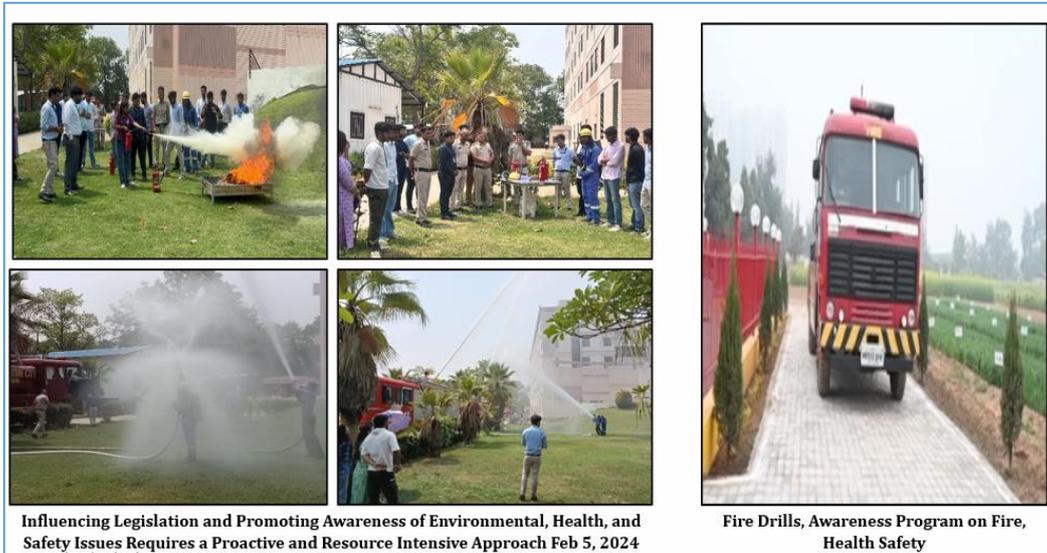
- Centralised digital systems to reduce paper usage
- Solar photovoltaic systems across rooftops of GD Goenka Education City for continuous generation of renewable electricity, reducing electrical pollution
- 14 borewells across the GD Goenka University campus to harvest rainwater, successfully raising the ground waterbed level from 800 to 150 feet
- Treating and reusing the groundwater within the facilities, ensuring no treated water from our institutions are discharged outside
- Water-efficient fixtures and sewage treatment plants to minimise water waste
- Using hydroponic farming method to support organic agriculture
- Electric vehicles (EV) for campus transportation to reduce carbon emissions
- Recycling food waste into manure for horticulture activities and training staff in sustainable waste decomposition methods

GD Goenka University hosts the annual TLASH - International Conference on Transforming Lives through Adoption of SDGS: Role of Higher Education Institutions. Through meaningful deliberations by SMEs, panel discussions, poster presentations, and research presentations, TLASH aims to showcase best practices, strengthen global collaborations, and address emerging challenges in sustainability. With a strong focus on actionable solutions, this event serves as a platform for meaningful dialogue and transformative initiatives in higher education.

b) Research & Innovation

GD Goenka University actively fosters research and innovation aimed at addressing climate change and promoting sustainable development. The University supports interdisciplinary projects that combine technology, environmental science, policy, and community engagement — aligning closely with the goals of UN SDG 13: Climate Action.

Faculty and students at GDGU engage in research across diverse domains such as renewable energy, energy efficiency, waste management, water conservation, sustainable agriculture, and resilient urban design. These initiatives are supported through specialized facilities and centres, including the Centre of Excellence in Occupational Health, Safety, Fire & Environment (C-OHSFE), which enables cutting-edge research and training in sustainability and ESG practices.



Influencing Legislation and Promoting Awareness of Environmental, Health, and Safety Issues Requires a Proactive and Resource Intensive Approach Feb 5, 2024

Fire Drills, Awareness Program on Fire, Health Safety

Notable sustainability-driven initiatives include:

- **Green Energy Audit & Net Zero Commitment** – A structured approach to assess and reduce the University’s carbon footprint, promoting renewable energy use through on-campus solar photovoltaic systems.

SENERGY CONSULTANTS PVT LTD
Green, Energy and Environment Audit Report
G D Goenka University

Ref: SCP/PR-922-211223
Date: December 21, 2023

G.D. Goenka University,
Sohna Road , Gurugram
**GREEN, ENERGY AND
ENVIRONMENT AUDIT
REPORT**

Anurag
Helping You to Conserve Energy

Net Zero Commitment

At G.D. Goenka University, we believe that education must not only shape minds but also help shape a more sustainable future. In line with our mission to foster responsible global citizens and leaders, we are proud to announce our commitment to achieving Net Zero carbon emissions by the year 2030.

Our Commitment

We are setting out an ambitious, science-based pathway to reduce greenhouse gas emissions across our operations, supply chains, and broader ecosystem. Our Net Zero commitment includes:

Scope 1 emissions: Direct emissions from university-owned sources such as vehicles, heating, and on-site energy generation.

Scope 2 emissions: Indirect emissions from the consumption of purchased electricity and energy.

Scope 3 emissions: All other indirect emissions, including those from business travel, catering, waste, water use, procurement, and infrastructure development.

Key Actions

1. Transition to renewable energy sources for campus electricity by 2030.
2. Implement energy-efficient infrastructure and green building practices in all new constructions.
3. Adopt sustainable transportation initiatives including EV charging stations, cycling infrastructure, and campus shuttle upgrades.
4. Promote waste reduction and recycling programs throughout the university.
5. Integrate climate-conscious procurement policies.
6. Engage our students, faculty, and partners in sustainability research and climate action projects.



- **Environmental Sustainability Practices at GD Goenka** – Campus-wide initiatives involving rainwater harvesting, wastewater recycling, solid waste segregation, and energy-efficient infrastructure.



- **Sustainable Development Practices to Mitigate Climate Change** – Student-led programs, innovation challenges, and community outreach activities designed to promote practical climate action.



Through these efforts, GD Goenka University contributes significantly to advancing sustainability-oriented research and fostering innovation that benefits both academia and society. Collaborative engagements with government agencies, industries, and non-profit organizations further ensure that research outcomes are applied effectively for climate resilience and environmental well-being. By integrating **education, research, and practical innovation**, GDGU continues to strengthen its leadership as a higher education institution committed to environmental stewardship and sustainable growth.

c) Combating Climate Change Impact

According to the United Nations, global carbon dioxide emissions rose by nearly 6% in 2021 — the highest level ever recorded — emphasizing the urgent need for climate mitigation across nations. Despite international commitments, climate finance continues to fall short by USD 100 billion annually, leaving developing regions especially vulnerable. Over 700 million people are projected to be displaced by 2030 due to droughts, floods,



and rising sea levels expected to increase by 30–60 cm by 2100.

In response, the United Nations Sustainable Development Goal 13 calls for immediate and coordinated action to reduce emissions, increase resilience, and promote sustainable technologies. GD Goenka University aligns closely with this global agenda through campus-wide sustainability initiatives and policies aimed at mitigating environmental impact. The University’s climate action efforts focus on clean energy, responsible resource management, sustainable mobility, and biodiversity enhancement.

Key Initiatives Include

- Solar Power Generation: Installation of rooftop solar photovoltaic (PV) systems across the GD Goenka Education City to generate renewable electricity and reduce reliance on grid power.

GD Goenka Sustainability Initiatives

Sustainability

Environmental, Social and Governance (ESG)

At GD Goenka Group, our commitment to ethical, sustainable and responsible business practices is embedded in all our operations. By prioritizing accountability, innovation and leadership, we ensure that our efforts towards Environmental, Social and Governance (ESG) values are integrated into our strategy, driving the long term impact across our ventures. The ESG framework we have set for GD Goenka Group enables us to create lasting value, not only for our organisation but also for the communities and the environment we aspire to serve.




GPS Map Camera

Sohna Rural, Haryana, India
 7377+JW5, Sohna Rural, Haryana 122102, India
 Lat 28.26364°
 Long 77.064752°
 01/02/22 12:26 PM





- Water Conservation and Reuse**

Implementation of rainwater-harvesting systems and 14 borewells, raising the groundwater table from approximately 800 ft to 150 ft. All treated wastewater is fully reused for irrigation and campus maintenance.



School of Agricultural Sciences

Transforming Waste into Wealth to Recycle Resources, and Nourish Growth

G.D. GOENKA UNIVERSITY
WWW.GOENKAUNIVERSITY.COM
UGC APPROVED

Waste Management for Organic Manure Production

Wastewater recycling/STP

Vermicompost Unit & Organic Manure

Fertigation and Climate Control Unit

www.gdgoenkauniversity.com

Green Campus Initiatives

G.D. GOENKA UNIVERSITY
WWW.GOENKAUNIVERSITY.COM
UGC APPROVED

Landscaping of Campus

Battery Powered Vehicles

Eco-Friendly Campus

CNG Bus and Cars

Pedestrian Pathways

Plastic Free Campus

www.gdgoenkauniversity.com

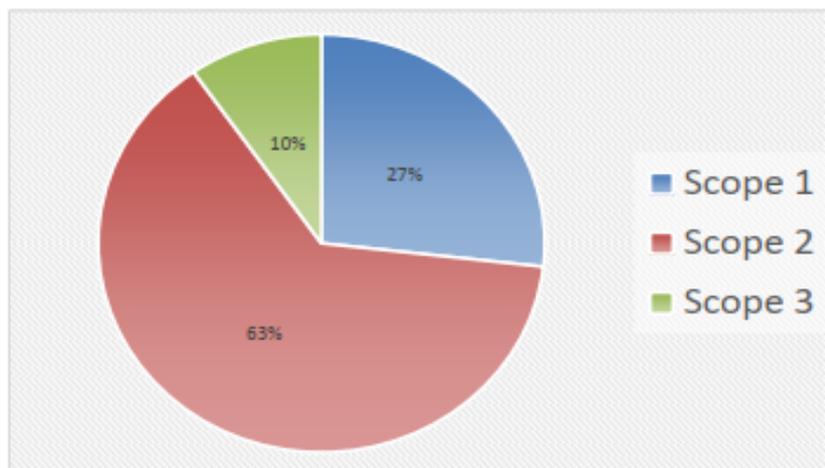


- Biodiversity and Green Campus: Continuous tree-plantation drives, hydroponic farming, and eco-landscaping initiatives that enhance biodiversity and create a clean, sustainable learning environment.



Comparing the cumulative CO₂ equivalent emissions generally for over the past three years a general decrease in the overall emissions could be observed.

Overall % contribution by each of the scopes to the cumulative CFP value has stayed almost uniform with a very slight variation over the years.



Through these measures, GDGU demonstrates strong institutional commitment to combating climate change and contributing to India’s transition toward a low-carbon, sustainable future.

d) Towards a Carbon-Neutral Sustainable Campus through Mandatory Energy and Environment Policies

To systematically achieve sustainability targets, GD Goenka University has framed its Energy and Environment Policies, aligning institutional operations with the national mission on renewable energy and carbon neutrality. The policies aim to make the GD Goenka Education City a carbon-neutral campus by 2025 through efficient energy management, clean technologies, and resource optimization.

- Solar PV Deployment: Expand rooftop and ground-mounted solar installations to meet a major share of campus electricity demand.
- Solar Water Heating Systems: Introduce solar-based water-heating solutions in hostels and cafeterias to replace LPG-based systems.
- Community Steam Cooking: Implement concentrated solar-thermal systems for large-scale kitchen operations to reduce conventional fuel consumption.
- Solar Street Lighting: Transition all external lighting to solar-powered LED fixtures.
- Biogas Generation: Establish small-scale biogas units using food and organic waste to generate clean energy for cooking and heating.
- Wastewater Recycling: Maintain a closed-loop system for water reuse through advanced treatment and distribution networks.
- Tree Plantation & Carbon Sink Development: Conduct annual afforestation drives and protect existing green cover to balance unavoidable emissions.



Innovation Ecosystem



Notable Achievement

Ms. Shweta Kamboj

**2nd Year. M Pharmacy
Won Cash Prize Rs. 10000 & Trophy at
Anveshna 2025 for her innovative
research work**

**“Biodegradable baby diapers using eco-
friendly materials”**



Heat Pump



01

BIOGAS Plant

Cost (1000 Kg) : INR 30,00,000/-*
LPG Generation: 70 kg/ day
Energy Consumption : 40 kWh/day



Producing biogas gives many advantages for the environment, companies and people involved. The advantages are: Biogas is a green energy source in form of electricity and heat for the local grid. Considerable environmental advantages - less emission of the greenhouse gasses methane, CO2 and nitrous oxide



02

Plastic Waste Converter

Cost - INR 4,95,600 /-



ZELENO- reverse vending machine allows you to easily dispose of your plastic PET bottles and Aluminum/steel cans of different sizes. The machine automatically accepts the trash and crushes them to be recycled later.



ZELENO-RVM generates an instant reward for the trash disposed and creates a receipt, which can be redeemed at the chosen outlets.



The University's sustainability committee periodically monitors progress toward these goals, ensuring measurable reductions in greenhouse-gas emissions and continued improvements in energy efficiency.

- WCM 11 - Use of Drip Irrigation at Mature Trees & Shrubs

Mature trees have least water demand than the other existing plantation in the campus. These can be served best with the help of drip irrigation as the rate of watering is kept least with only provision near the tree root unlike the flooding of whole area.

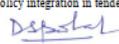


d) Sustainable Procurement Policy and Sustainable Investment Policy

To complement its environmental policies, GD Goenka University has adopted a Sustainable Procurement and Investment Framework that embeds environmental and social responsibility into all institutional purchasing and funding decisions.

Sustainable Procurement Policy:

- Preference for suppliers who follow eco-friendly manufacturing processes, use recyclable or biodegradable materials, and maintain transparent sustainability certifications.
- Inclusion of sustainability criteria (energy efficiency, lifecycle cost, recyclability) in tenders and purchase decisions.
- Promotion of local sourcing to minimize transportation emissions and support regional green enterprises.
- Sustainable Investment Policy:
- Prioritization of investments in green technologies, renewable energy, and ESG-compliant ventures.
- Avoidance of partnerships with organizations linked to high carbon emissions, deforestation, or non-ethical practices.
- Encouragement of collaborative research funding and innovation projects that generate measurable sustainability outcomes.

 <p>ENVIRONMENT AND SUSTAINABILITY POLICY</p> <p>G D GOENKA UNIVERSITY G D GOENKA EDUCATION CITY GURGAON SOHNA ROAD HARYANA – 122103 INDIA</p> <p>P: +91 124 3315900 F: +91 124 3315970 W: www.gdgoenka.university.com</p>	<p align="center">ADDENDUM TO ENVIRONMENT AND SUSTAINABILITY POLICY SUSTAINABLE PROCUREMENT / PURCHASING POLICY</p> <p align="center">G D Goenka University, Haryana Addendum to: Environment and Sustainability Policy v.01 Original Policy Date: January 22, 2022 Addendum Version: v.01 Effective Date: May 23, 2022</p> <p>1. Purpose This policy outlines GD Goenka University's commitment to integrating sustainability principles into procurement decisions. It aims to promote environmental stewardship, social responsibility, and economic efficiency throughout the procurement process.</p> <p>2. Scope This policy applies to all procurement activities—including goods, services, and works—conducted by or on behalf of GD Goenka University across all academic, research, and administrative units.</p> <p>3. Objectives</p> <ul style="list-style-type: none"> • To minimize negative environmental and social impacts associated with procurement. • To promote the use of energy-efficient, recyclable, durable, and ethically sourced products and services. • To reduce the university's ecological footprint through responsible supply chain practices. • To support local enterprises, micro and small businesses, and innovation in sustainable products and services. <p>4. Guiding Principles</p> <ul style="list-style-type: none"> • Lifecycle Costing: Evaluate the total cost of ownership, including acquisition, operation, maintenance, and disposal. • Environmentally Preferable Products (EPP): Prioritize products that are reusable, recyclable, compostable, or made from renewable materials. • Energy Efficiency: Favor equipment and appliances that meet ECBC or BEE energy efficiency standards. • Reduced Packaging: Avoid single-use plastics and non-biodegradable packaging where alternatives are available. • Local and Ethical Sourcing: Encourage procurement from local vendors and those adhering to fair labor and ethical sourcing standards. • Digital Preference: Emphasize paperless processes in alignment with the University's E-Governance Policy. <p>5. Responsibilities</p> <ul style="list-style-type: none"> • Environment Compliance Committee (ECC): Oversight, implementation monitoring, and periodic review of this policy. • Procurement and Finance Departments: Ensure policy integration in tendering, vendor selection, and contract management. <p align="right">   </p> <p align="center">Page 1 2 GDGU GREEN POLICY/ENVIRONMENT AND SUSTAINABILITY POLICY</p>
---	---



Waste Segregation and Management



Solid Waste Management

MOU

- Greenobin
- Farm Palate





Liquid Waste Management

STP well built with 1.25 L Water is recycled HWRA approval





Bio Medical Waste Management

MOU

- Sahas Zero Waste
- Bharat Oil Waste Limited





E-Waste Recycling

MOU

- Reboot Pvt. Ltd.





Hazardous Chemicals

MOU

- M/S Sunrise Industries





UCC APPROVED

These policies ensure that GDGU’s financial and operational decisions support the broader vision of environmental stewardship and long-term sustainability while fostering a culture of accountability and ethical growth.

e) Disaster Management Policy

GD Goenka University has formulated a comprehensive Disaster Management Policy that integrates sustainability, safety, and climate resilience into campus operations. The policy focuses on preparedness, prevention, and response strategies to minimize risks from natural and human-induced disasters.

Energy Performance Index:

Description	Unit	Value
University	M ²	102028.6
Total Area	M ²	102028.6
Annual Consumption	KWH	6047773.9
Energy Performance Index	KWH/M ² /Year	59.28

The energy performance index is quite decent considering almost all the space is air conditioned.

The University established the Centre of Excellence in Occupational Health, Safety, Fire & Environment (C-OHSFE), which promotes research, training, and education in disaster management, fire safety, and environmental protection. The Centre also addresses process safety, risk engineering, and sustainable recovery planning. Regular activities such as the International Conference on Advances in Health, Safety, Fire, Environment, Allied Sciences and Sustainability (HSFEAS 2023), along with campus drills and awareness workshops, strengthen disaster readiness and community resilience.



Through these initiatives, GD Goenka University aligns its efforts with the national Disaster Management Act, 2005, and the United Nations Sustainable Development Goal 13 on Climate Action.

In the university’s “Admin Manual 2023-24 Onwards” (Chapter 5.10, Health, Safety and Security Policy, page 176) a dedicated section on “Disaster Management” outlines key operational directives: everyone must proceed to designated Emergency Assembly Points in cases of fire, earthquake, cloud burst or other emergencies; campus mock drills will be conducted regularly; emergency exits and stairways must remain unobstructed at all times to ensure rapid access and egress for individuals and the emergency response team; and an evacuation plan as well as emergency response plan must be available and actively implemented. The manual is publicly available online. Admin-Manual



f) Lowering GHG Emissions by Solar Energy Production and Consumption

GD Goenka University has installed rooftop solar photovoltaic systems across its academic blocks, hostels, and parking areas to promote clean energy generation. The electricity produced from these installations supplements grid supply and significantly reduces the University’s dependency on fossil fuels.

Through these solar initiatives, GDGU contributes to lowering greenhouse gas emissions and advancing India’s renewable energy goals. The University’s Green Energy and Environment Audit and Carbon Footprint Reports reaffirm its commitment to achieving a low-carbon, energy-efficient campus in line with SDG 7 (Affordable and Clean Energy)





INFRASTRUCTURE AND LEARNING RESOURCES



121 86	Classroom Academic Laboratory	1	Health OPD
1 1 1	Herbal Garden Nursery Poly House	1	Animal House (CCSEA Approved)
5 10	Sports (Indoor) Sports (Outdoor)	5	Research Laboratory
03	Center of Excellence	1 1	Legal Aid Clinic MOOT Court
1 1	Gymnasium Auditorium	4	Yoga & Cultural Center



- Academic Block-01
- Admin & Academic Block -02
- Academic Block- 03
- Staff Parking
- Student Parking
- Hostel

Electricity Consumption:

The details of power consumption from total as well as from the grid along with solar power generation is as under.

Month	University		
	DHBVN	Solar	Total
	KWH	KWH	KWH
Dec-22	133453	12921	146374
Jan-23	125574	10160	135734
Feb-23	141387	14474	155861
Mar-23	292012	14661	306674
Apr-23	467452	15563	483015
May-23	592330	15445	607775
Jun-23	526222	13934	540156
Jul-23	520391	12324	532715
Aug-23	700276	13991	714267
Sep-23	732612	12571	745184
Oct-23	512874	14805	527679
Nov-23	230780	9106	239886
Total	4975364	159956	5135320

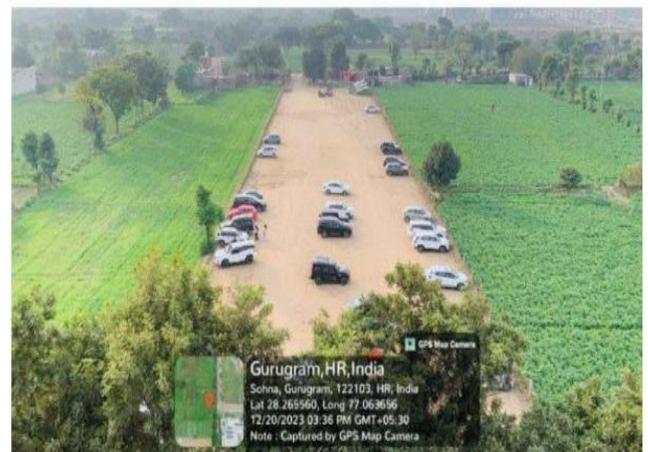
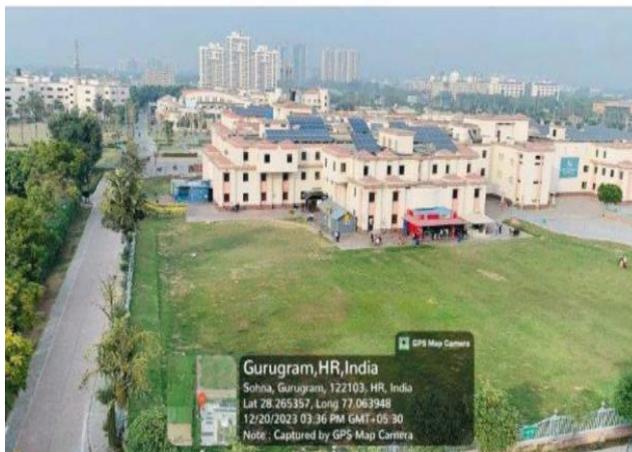
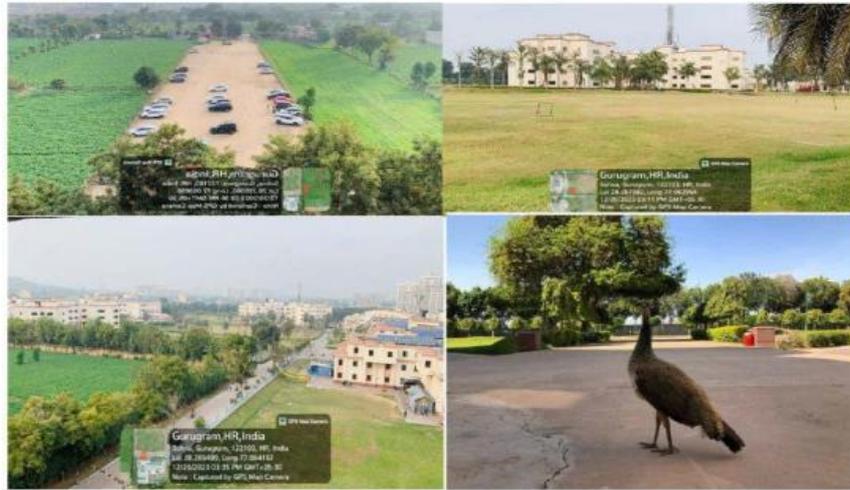
g) Climate Responsive Green Campus with Vegetation Coverage

GD Goenka University maintains a climate-responsive campus design that harmonizes with its natural surroundings in the Aravalli region. The campus integrates green infrastructure and landscape planning to moderate microclimate conditions, improve air quality, and enhance biodiversity.

Extensive green belts, tree plantations, and landscaped lawns across the Education City contribute to carbon sequestration and thermal comfort. The University regularly conducts tree plantation drives and biodiversity conservation activities involving students and staff to strengthen its ecological footprint.

Architectural designs emphasize natural ventilation, daylight utilization, and the use of sustainable building materials. These features not only reduce the urban heat island effect but also align with the principles of energy efficiency and sustainable development.

GD Goenka University's commitment to a green and climate-resilient campus directly supports SDG 11 (Sustainable Cities and Communities) and SDG 13 (Climate Action), fostering a healthier, more sustainable learning environment.



h) Reducing Carbon Emissions and Fossil Fuel Consumption in Campus Transportation

GD Goenka University promotes eco-friendly mobility by using non-polluting electric carts for on-campus transport. This initiative reduces fossil fuel consumption, lowers carbon emissions, and supports the University's goal of creating a sustainable, green campus.

Green Campus Initiatives



Landscaping of Campus



Battery Powered Vehicles



Eco-Friendly Campus



www.gdgoenkauniversity.com

CNG Bus and Cars



Pedestrian Pathways



Plastic Free Campus

i) Reducing Conventional Electricity Consumption through Solar and LED Lighting

GD Goenka University has implemented several energy-efficient initiatives to reduce its dependence on conventional electricity. The campus features rooftop and parking-area solar photovoltaic installations with a total capacity of approximately 825 kW, generating clean electricity for daily operations. In addition, around 80% of all campus lighting has been converted to LED fixtures in accordance with ECBC 2007 norms, significantly lowering energy consumption.

Solar streetlights have also been installed throughout the campus to promote renewable energy use and ensure sustainable outdoor illumination. These combined measures contribute to substantial reductions in greenhouse gas emissions and support the University's commitment to achieving a low-carbon, energy-efficient campus.



j) Wastewater Treatment and Recycling Plant

GD Goenka University operates an on-campus Sewage Treatment Plant to ensure effective wastewater management and reuse. The treated water from the STP is utilized for campus horticulture, green landscaping, and flushing systems, thereby conserving freshwater resources.

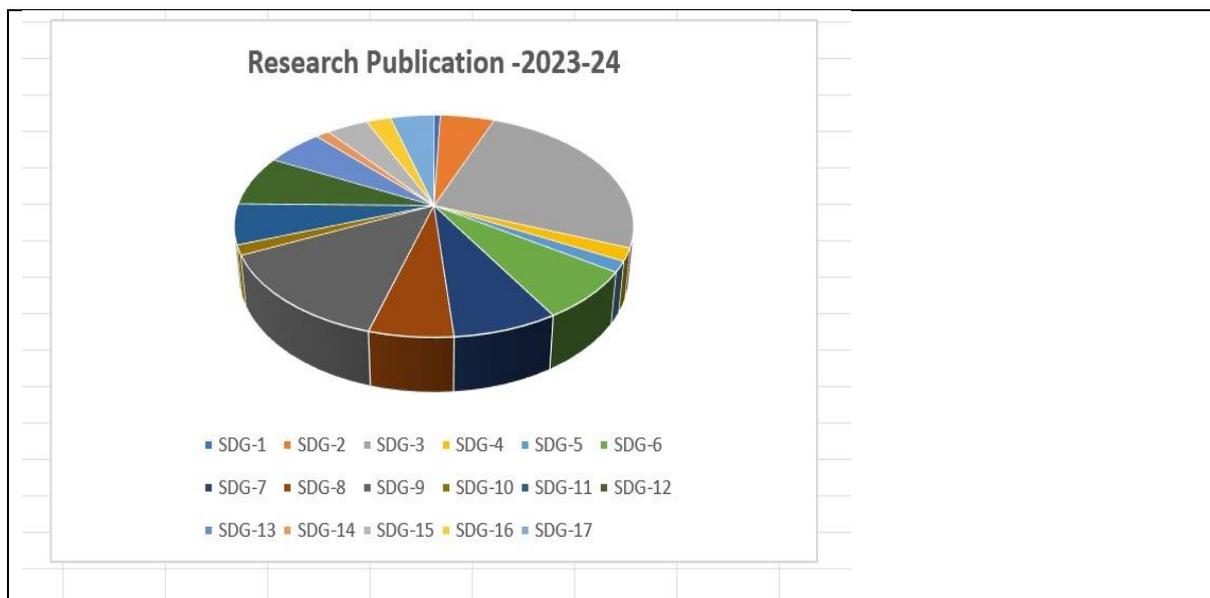
This closed-loop recycling approach minimizes environmental impact, supports sustainable water management, and aligns with the University’s commitment to achieving zero liquid discharge operations. These initiatives directly contribute to SDG 6 (Clean Water and Sanitation) and SDG 13 (Climate Action) by promoting responsible water use and circular sustainability practices.





3. Publication

SDG 13 – Climate Action - Publications – 53



S.No.	Type	Title	Authors	Journal / Book	Year
1	Article	Pythagorean fuzzy decision-making framework for assessing the alternative strategies in urban mobility with digital carbon footprint	Devi, S., Kumari, R.	Journal of Ambient Intelligence and Humanized Computing	2025
2	Conference Paper	Climate Change and Threat to Coral Reefs of Lakshadweep, Laccadive Sea: An Analysis through Legal Lens	Bansal, S., Pandey, S., Avasthi, P., Chhuttani, P.	E3s Web of Conferences	2025
3	Article • Open access	Solar ViT: Vision Transformer for Fault Detection in Solar PV Systems	Makwane, P., Kumar, Y., Srivastava, A., ..., Singh, S., Sisodiya, V.	International Journal of Basic and Applied Sciences	2025
4	Article	Unraveling the nexus between crop residue burning and air quality in Haryana state, India	Neelam, N., Rathee, R.K., Mishra, S.K.	Paddy and Water Environment	2025
5	Book Chapter	Empowering women in India through innovative incubators and accelerators for energy entrepreneurship	Ahmed, N.	University Incubators and their Role in the Entrepreneurial Ecosystem	2024
6	Article • Open access	Climate consciousness: assessing climate change awareness in Gurugram, India	Rimple, M.	Journal of Asian Business and Economic Studies	2024
7	Conference Paper • Open access	Assessing the Environmental Impact of Advanced Energy Storage Solutions: A Comparative Lifecycle Analysis	Mishra, M., Dutt, A., Saini, N., ..., Srikanth, T., Talukdar, S.	E3s Web of Conferences	2024
8	Conference Paper • Open access	Polymer Matrix Nanocomposites for Lightweight Sustainable Automotive Parts	Sehgal, A., Sharma, D., Kataria, A., ..., Vivek Kumar, C., Naath Mongal, B.	E3s Web of Conferences	2024
9	Conference Paper • Open access	Optimizing Solar-Wind Hybrid Microgrid Designs with Particle Swarm Techniques for Sustainable Energy Integration	Jain, A.K., Prakash, S., Bansal, S., ..., Satyanarayana, G.V., Mongal, B.N.	E3s Web of Conferences	2024
10	Conference Paper • Open access	Recycling of Solar Panels: Sustainable Disposal of Photovoltaic Materials	Gera, R., Singh, H., Ikram, M., ..., Prasad Raju, V.S., Kampani, S.	E3s Web of Conferences	2024
11	Book Chapter	Recent advances in CRISPR/Cas9 for climate-resilient agriculture in vegetable crops	Dinkar, V., Kushwaha, A.K., Singh, A.K., ..., Kumar, A., Singh, B.	Climate Resilient Agriculture A Molecular Perspective	2024

12	Article	Groundwater Resilience in Rice-Growing Regions: Utilizing GRACE Data for Sustainable Water Management	Neelam, Rathee, R.K., Mishra, S.K., Kumar, A.	Water and Energy International	2024
13	Article • Open access	Climate change impact assessment on the water resources of the Upper Yamuna River Basin in India	Rathee, R.K., Mishra, S.K.	Environment Development and Sustainability	2024
14	Conference Paper • Open access	Polymer Matrix Nanocomposites for Sustainable Packaging: A Green Approach	Vafaeva, K.M., Chhetri, A., Sudan, P., ..., Sankara Babu, B., Mongal, B.N.	E3s Web of Conferences	2024
15	Conference Paper • Open access	Novel Nanocomposite Electrolytes for Sustainable Fuel Cells	Chhabra, S., Joshi, A., Mishra, S., ..., Kampani, S., Kumar, K.	E3s Web of Conferences	2024
16	Conference Paper • Open access	Characterization of Advanced Nanomaterials for Sustainable Energy Applications	Mittal, A., Deorari, R., Pandey, S., ..., Varanasi, S., Mongal, B.N.	E3s Web of Conferences	2024
17	Conference Paper • Open access	Reuse and Recycling of Waste Materials for Green Nanocomposite Fabrication	Sharma, V., Negi, A.S., Sharma, N.K., ..., Prashanthi, B., Sharma, P.	E3s Web of Conferences	2024
18	Conference Paper • Open access	Catalytic Conversion of Greenhouse Gases Using Sustainable Nanocatalysts	Mittal, V., Saxena, A.K., Dhawan, A., ..., Rao, S.G., Shradhey	E3s Web of Conferences	2024
19	Conference Paper • Open access	Life Cycle Analysis of Energy Storage Technologies: A Comparative Study	Sanduru, B.T., Dhyani, M., Thakur, R., ..., Bhardwaj, N., Talukdar, S.	E3s Web of Conferences	2024
20	Conference Paper • Open access	Sustainable Synthesis of Perovskite Solar Cells Using Green Materials	Kansal, L., Joshi, A., Mishra, R., ..., Lakshmi Prasanna, J.L., Sharma, P.	E3s Web of Conferences	2024
21	Conference Paper • Open access	Catalytic Conversion of Biomass to Biofuels using Green Nanocatalysts	Usanova, K.I., Dhall, H., Chandna, M., ..., Mouli, K.C., Vyas, A.	E3s Web of Conferences	2024
22	Article	Sustainable Management of Floral Waste to Reduce Environmental Pollution by Conversion to Value-Added Products and Their Applications in the Synthesizing of Nanomaterials: a Review	Gupta, V.K., Kumar, R., Dhanker, R., Kamble, S.S., Mohamed, H.I.	Water Air and Soil Pollution	2024
23	Book Chapter	Enhancing nutrient uptake with nano fertilizers and soil amendments	Tomar, B., Patle, T., Parihar, S.S., Singh, P.K., Tomar, S.S.	Harnessing Nanoomics and Nanozymes for	2024

				Sustainable Agriculture	
24	Book Chapter	Nanotechnology and agricultural sustainability: Environmental impacts and benefits	Kumari, M., Tomar, B., Singh, P.K., ..., Patle, T., Parihar, S.S.	Harnessing Nanoomics and Nanozymes for Sustainable Agriculture	2024
25	Conference Paper • Open access	Evaluating the Impact of AI-Based Sustainability Measures in Industry 5.0: A Longitudinal Study	Glazkova, V.V., Kirola, M., Gupta, M.K., ..., Acharya, P., Sharma, R.	Bio Web of Conferences	2024
26	Conference Paper • Open access	Reducing Carbon Emissions: An Analysis of Smart City Initiatives and the Carbon Reduction Test	Chulenyov, A.S., Nautiyal, M., Singla, A.K., Arora, R., Kumar, A.	Bio Web of Conferences	2024
27	Article • Open access	Designing an Index for Multi-location Yield Stability Analysis Involving Univariate and Multivariate Methods in Rice (<i>Oryza sativa</i> L.)	Roy, D., Gaur, A.K., Pandeya, I.D., Barman, M., Ahmed, B.	Brazilian Archives of Biology and Technology	2024
28	Conference Paper	Development of a sustainable business model during Covid-19 for agri-food system	Anh, D.N., Chandra, S., Vali, S.M., ..., Sharma, A., Joshi, N.	3rd International Conference on Advances in Computing Communication and Materials Icaccm 2024	2024
29	Book Chapter	Agronomic Strategies for Enhancing Forest Resilience to Climate Change	Kumar, D., Pandey, V., Dixit, S.	Forests and Climate Change Biological Perspectives on Impact Adaptation and Mitigation Strategies	2024
30	Book Chapter	The Soil-Climate Nexus in Forest Ecosystems	Pandey, V., Kumar, D.	Forests and Climate Change Biological Perspectives on Impact Adaptation and Mitigation Strategies	2024
31	Book Chapter	Biochar: A Sustainable Way to Enhance Soil Fertility, Crop Yield and to Mitigate Global Warming	Jyoti, Dhanker, R., Kumar, S.N., ..., Hussain, T., Singh, A.	Recent Advancements in Sustainable Agricultural Practices Harnessing Technology for Water Resources	2024

				Irrigation and Environmental Management	
32	Book Chapter	Biotechnology and Genomics Exploration of Halotolerant Microbes: Application for Improving the Fertility of Saline Soil	Kumari, S., Mohapatra, B.	Extremophiles for Sustainable Agriculture and Soil Health Improvement	2024
33	Conference Paper	Lunar Mining Potential for Helium 3 for Unlimited Energy on the Moon and Earth	Guven, U., Goel, E.	Proceedings of the International Astronautical Congress Iac	2024
34	Book Chapter	Improving plant nutrient use efficiency for climate-resilient agriculture	Deb, P., Mandal, A., Harendra, ..., Santra, S.C., Moulick, D.	Climate Resilient Agriculture	2023
35	Review	An integrated approach of algae-bacteria mediated treatment of industries generated wastewater: Optimal recycling of water and safe way of resource recovery	Dhanker, R., Khatana, K., Verma, K., ..., Kumar, R., Mohamed, H.I.	Biocatalysis and Agricultural Biotechnology	2023
36	Article • Open access	Conjoint application of nano-urea with conventional fertilizers: An energy efficient and environmentally robust approach for sustainable crop production	Upadhyay, P.K., Dey, A., Singh, V.K., ..., Dasgupta, D., Shukla, G.	Plos One	2023
37	Review	Modern Advancement in Biotechnological Applications for Wastewater Treatment through Microalgae: a Review	Goyal, S., Dhanker, R., Hussain, T., ..., Kumar, K.M., Mohamed, H.I.	Water Air and Soil Pollution	2023
38	Book Chapter	Forage cropping under climate smart farming: A promising tool to ameliorate salinity threat in soils	Sathyanarayana, E., Kumar, B.P., Tirunagari, R., ..., Teja, K.C., Thallapally, S.	Molecular Interventions for Developing Climate Smart Crops A Forage Perspective	2023
39	Article	Assessment of Climate Change Anxiety and Behavioural Action among Youth in India	Dangwal, A., Kaul, S.	Youth Voice Journal	2023
40	Article	Impact of Crop Residue Burning on Groundwater Storage and Air-Quality	Neelam, Rathee, R.K., Kumar, A.	Water and Energy International	2023
41	Book Chapter	Generation of biofuels from rice straw and its future perspectives	Biswas, P., Mandal, S., Das, T., ..., Bursal, E., Dey, A.	Green Approach to Alternative Fuel for A Sustainable Future	2023

42	Review • Open access	Advances in algal biomass pretreatment and its valorisation into biochemical and bioenergy by the microbial processes	Bhatia, S.K., Ahuja, V., Chandel, N., ..., Rajesh Banu, J., Yang, Y.	Bioresource Technology	2022
43	Review • Open access	Biological Approaches Integrating Algae and Bacteria for the Degradation of Wastewater Contaminants—A Review	Mathew, M.M., Khatana, K., Vats, V., ..., Dahms, H.U., Hwang, J.	Frontiers in Microbiology	2022
44	Article • Open access	Integrated Climate Action Planning (ICLAP) in Asia-Pacific Cities: Analytical Modelling for Collaborative Decision Making	Sethi, M., Liu, L., Ayaragarnchanakul, E., ..., Surjan, A.K., Mittal, S.	Atmosphere	2022
45	Book Chapter	Climate uncertainties and biodiversity: An overview	Kamboj, R., Kamboj, S., Kamboj, S., ..., Srivastav, A.L., Gautam, S.P.	Visualization Techniques for Climate Change with Machine Learning and Artificial Intelligence	2022
46	Book Chapter	Phytoremediation: A Sustainable Solution to Combat Pollution	Saxena, K., Hussain, T., Dhanker, R., Jain, P., Goyal, S.	Biotechnological Innovations for Environmental Bioremediation	2022
47	Book Chapter	Breeding Efforts for Crop Productivity in Abiotic Stress Environment	Choudhary, J.R., Get, S., Tripathi, A., ..., Zaid, A., Wani, S.H.	Augmenting Crop Productivity in Stress Environment	2022
48	Review	Diatoms as a biotechnological resource for the sustainable biofuel production: a state-of-the-art review	Dhanker, R., Kumar, R., Tiwari, A., Kumar, V.	Biotechnology and Genetic Engineering Reviews	2022
49	Article • Open access	How to tackle complexity in urban climate resilience? Negotiating climate science, adaptation and multi-level governance in India	Sethi, M., Sharma, R., Mohapatra, S., Mittal, S.	Plos One	2021
50	Article	Farmers' Perception, Adaptation to Groundwater Salinity, and Climate Change Vulnerability: Insights from North India	Mitra, S., Mehta, P.K., Mishra, S.K.	Weather Climate and Society	2021
51	Conference Paper	Can organic products be sustainable in present business environment?	Alam, A., Jamal Mahmood, S.M.	Proceedings of the International Conference on Industrial Engineering and Operations Management	2021
52	Article	Electrocatalytic hydrogen production and carbon dioxide conversion by earth abundant	Sengupta, S., Khan, S., Naath Mongal, B.,	Polyhedron	2020

		transition metal complexes of the Schiff base ligand: (E)-1-((2-dimethylamino)propylimino)methyl)naphthalene-2-ol	..., Chattopadhyay, S.K., Naskar, S.		
53	Article	Causal dynamics of CO2 source emissions and population in India using Bayesian approach	Babbar, S., Babbar, R.	Modeling Earth Systems and Environment	2018

4. Impact and Way Forward

GD Goenka University is committed to advancing SDG 13 – Climate Action through sustainable operations, research, and education. The University aims to strengthen renewable energy use, promote low-carbon infrastructure, and enhance awareness on climate resilience.

Ongoing efforts include green audits, energy-efficient initiatives, and collaborations with industries and institutions to develop climate solutions. GDGU continues to work toward a carbon-neutral and climate-resilient campus, empowering its community to drive meaningful environmental impact.



SDG 14: Life Below Water

GD Goenka University – Sustainability Initiatives and Achievements

1. Introduction

According to the United Nations Sustainable Development Goals Report 2023, the world’s oceans face increasing threats from pollution, acidification, warming, and overfishing—placing marine ecosystems in a state of emergency. With ten global targets, SDG 14 – Life Below Water seeks to conserve and sustainably use oceans, seas, and marine resources by reducing marine pollution and promoting ecosystem resilience.

At GD Goenka University, our commitment to environmental sustainability extends to the protection of aquatic ecosystems and water resources. Through interdisciplinary teaching, research, and awareness initiatives, the University promotes understanding of marine and freshwater biodiversity, pollution control, and sustainable resource management. Faculty and students engage in projects related to water quality assessment, sustainable aquaculture practices, and environmental conservation, contributing meaningfully to SDG 14.



GD GOENKA EDUCATION CITY



A HOLISTIC EDUCATION ECOSYSTEM
SCHOOLS | UNIVERSITY | SKILLING | HOSTELS | SPORTS ARENAS

- Built to international standards spanning 60 acres
- Situated in the picturesque foothills of the Aravalli Range, on Sohna Road in Gurugram
- Only 40 minutes from Delhi's International Airport
- Offers both day-boarding and boarding facilities
- Education city providing programmes from Nursery to Master's and Doctoral levels
- Welcomes students from over 40 nationalities

a) Education

At GD Goenka University, sustainability and environmental consciousness are embedded across academic programmes in alignment with the United Nations Sustainable Development Goal 14 – Life Below Water and the National Education Policy 2020. The University's Curriculum Enrichment Policy ensures the integration of cross-cutting themes such as environment, ecology, and sustainability into undergraduate and postgraduate curricula. curriculum-enrichment

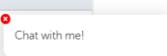
1.3: Curriculum Enrichment

1.3.1: Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability and other value framework enshrined in Sustainable Development Goals and National Education Policy – 2020 into the Curriculum

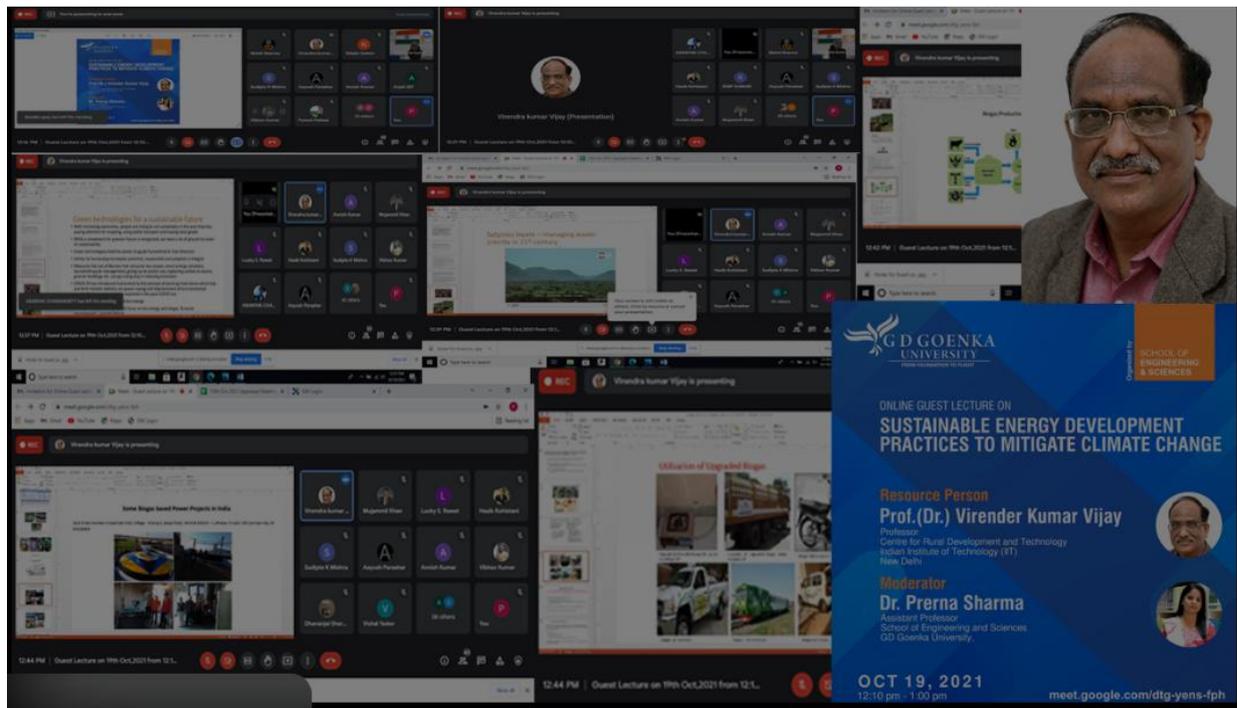
File Description	Template	Documents
Upload Additional information		View Document
Provide Link for Additional information		

1.3.2: Number of certificate/value added courses/Diploma Programme offered by the institutions and online courses of MOOCs, SWAYAM/e Pathshala/ NPTEL and other recognized platforms (without repeat count) where the students of the institution have enrolled and successfully completed during the last five years

File Description	Template	Documents
Provide the relevant information in institutional website as part of public disclosure		View Document




In addition, the Centre of Excellence in Occupational Health, Safety, Fire & Environment (C-OHSFE) offers the Certificate in ESG & Sustainability, a six-month programme designed to equip students with analytical and technical skills in environmental monitoring, sustainability reporting, and climate-risk management. ([Certificate in ESG Sustainability](#))



b) Outreach Initiative: Water, Sanitation & Hygiene Awareness

The university's NSS unit partnered with Navjyoti India Foundation on 27 February 2024 to conduct a rally in Ghamroj village focused on "Empowerment through Education and Creativity on Water, Sanitation and Hygiene". Students and faculty engaged in awareness activities around water-use, hygiene and community concerns. [National Service Scheme \(NSS\) @GD Goenka University](#)

This activity supports SDG 14 (Life Below Water) by promoting community awareness of water-resource health and pollution issues.

c) Outreach Initiative: Academic & Community Collaboration on Water Sector

In March 2023, GDGU's School of Humanities, Social Sciences & Education signed an MoU with Navjyoti India Foundation to collaborate on outreach programs, research projects and student placements relating to water-sector issues. [Hygiene-Donation-Drive-Navjyoti-Foundation](#) This collaboration supports action under SDG 14 by enabling applied research and community action focused on clean water resources.

GD Goenka University served as the academic partner for a two-day regional workshop organized by the Navjyoti India Foundation, Gurgaon, in collaboration with its knowledge partner, the Water Resources Council (WRC) and the Women's Indian Chambers of Commerce and Industry (WICCI), held on March 10–11, 2023. The event featured distinguished speakers, including Hon'ble Dr. Kiran Bedi, who delivered the keynote address, and Dr. Anuradha Tiwari, Professor in the Department of Economics, School of Humanities, Social Sciences & Education (SoHSE), who presented on gender equality and development in the water sector. During the workshop, a Memorandum of Understanding (MoU) was signed between Navjyoti India Foundation and SoHSE, GD Goenka University, to foster collaboration in outreach programs, research projects, and student placements. Faculty members and students from SoHSE actively participated, enhancing their understanding of sustainability and gender-inclusive approaches in water resource management.





“Swachhta Yatra” Cleanliness Campaign

- On 28 March 2023, the School of Education at GDGU joined a collaborative *Swachhta Yatra* organised by Municipal Corporation Manesar (MCM) in Sohna/Gurugram. [Swachhta Yatra](#)

- The event included students, faculty, municipal sanitation workers and village representatives; activities involved awareness walks, pledges for cleanliness, and social messaging about waste segregation.
- While not exclusively water-body cleaning, this initiative demonstrates community engagement and environmental awareness activity aligned with the broader goals of SDG 14 and SDG 6.



The School of Education, School of Humanities, Social Sciences & Education (SoHSE), GD Goenka University, participated in the collaborative *Swachhta Yatra* organized by the Municipal Corporation Manesar, Gurgaon. The event was led by Hon'ble Joint Commissioner Ms. Alka Chaudhary, along with SBM Consultant Ms. Zenith Chaudhary, Senior Sanitary Inspector Mr. Vijay Kaushik, Sanitary Inspectors Mr. Manoj Kumar, Mr. Sumit Kumar, Mr. Sumit Hudda, Dr. Satya Sahai (Swachhta Abhiyan Committee Member), Dr. Nitika Arora (Brand Ambassador, MCM), Mr. Navdeep Singh (Brand Ambassador, MCM), and Village Sarpanch Mr. Sher Singh Chauhan. The initiative promoted cleanliness, community engagement, and environmental responsibility in alignment with the Swachh Bharat Mission.

d) Water-Quality & Community Research Grants

- GDGU's *Research Grants* page states that proposals will "highlight the types of the pollutants present in the water samples collected from different areas and the factors affecting the concentration of each of the parameters. The finding will be helpful for the local government to plan the use and protection of groundwater resources." gdgoenkauniversity.com
- This indicates that GDGU is supporting applied research focused on water pollution, consumption and conservation—key aspects of SDG 14 (Life Below Water) and SDG 6 (Clean Water and Sanitation).

e) Water Management Education Opportunities

GDGU actively advances water conservation and sustainable management through its infrastructure and outreach programmes. The campus features a rainwater harvesting system with seven pits and rooftop collection systems, which help recharge the groundwater table and reduce storm-water runoff. [Admin Manual](#)

Treated sewage from hostels and academic blocks is reused for horticulture, thereby reducing freshwater demand. These practices are integrated into the University's educational framework, providing students with practical exposure to ground-water recharge, water-reuse strategies and sustainable water-use behaviours. In doing so, GDGU empowers its community and neighbouring areas with knowledge and tools that support SDG 14 (Life Below Water) and SDG 6 (Clean Water and Sanitation).

- GDGU's facilities page confirms that the campus has a rain-water harvesting system and associated outreach to raise awareness and infrastructure for water conservation. [Facilities](#)
- The university's sustainability page mentions that GDGU has "14 borewells ... to harvest rainwater, successfully raising the ground water-bed level from 800 to 150 feet." [Sustainability](#)

3. Research and Publications

a) Research Projects

GD Goenka University promotes a vibrant research ecosystem across its diverse schools, encouraging interdisciplinary collaboration and innovation. Faculty and students are engaged in projects focusing on sustainable technologies, digital education tools, and social innovation. Research areas include the development of bio-based materials for sustainability, AI applications in education and healthcare, renewable energy utilization for campus operations, and smart agriculture solutions. These initiatives align with the university's vision of contributing to a sustainable and knowledge-driven society. Through partnerships with industries, research organizations, and government agencies, GDGU ensures that its research outcomes have practical, community-level impact.

Research Projects

1. Project Title: Modeling and simulations of Supernovae type Ia light curves: Connecting observations with theory
 Granting agency: Science and Engineering Research Board (SERB), India.
 Amount: INR-2280520/-
 PI: Dr Shashikant Gupta Department of Basic & Applied Sciences, School of Engineering & Sciences
 CO-PI: Dr Abhinav Gupta
 School of Engineering & Sciences
 Summary: Supernovae type Ia (SNIa) are among the most important tools in modern cosmology. Most of the information about the SNIa is obtained through their Light Curves (LC) and spectrum. LC shows the variation of the brightness of SN with time. However, there are gaps in understanding of the SNIa physics. For instance the dependence of LC shape on mass of ^{56}Ni and synthesized in the explosion, relation between the peak luminosity and the decline rate is poorly understood. PIs are preparing software/computer programs to numerically simulate the LCs to understand the explosion mechanism in detail.

2. Project Title: MULTIVARIATE ANALYSIS AS A TOOL IN GROUNDWATER QUALITY ASSESSMENT OF MEWAT DISTRICT
 Funding Agency: Science & Engineering Research Board (SERB), Department of Science & Technology, New Delhi
 Grant Amount: INR 2701800/-



Name of PI : Dr. Smita Sood Assistant Professor,
 School of Engineering & Sciences,
 GD Goenka University, Sohna, Gurugram, Haryana,
 India



Name of Co-PI: Dr. Priyanka Sharma Assistant
 Professor,
 School of Engineering & Sciences,
 GD Goenka University, Sohna, Gurugram, Haryana,
 India

Summary: Mewat is one of the district of Haryana where groundwater is used as one of the source for drinking, agriculture as well as for industrial purposes. Therefore, it was thought to investigate water quality of the Mewat district whether it is potable or not by physico-chemical analysis and further multivariate statistical methods will be used to facilitate the solution of environmental problems and suggest clues for the understanding of some natural processes. The proposal will highlight the types of the pollutants present in the water samples collected from different areas and the factors affecting the concentration of each of the parameters. The finding will be helpful for the local government to plan the use and protection of groundwater resources. The government can make sustainable strategies for management of water by various awareness & training programs to educate people regarding consequences of over exploitation of natural resources.

3. Project title: Studies on Therapeutic Aspects of Nucleic Acid Aptamer-grafted-RGD Receptor Targeted Theranostic Chitosan-PLGA Nanoparticles for Brain Cancer Diagnosis and Treatment
 Grant amount: Rs. 41,00,000/- (Rupees Forty One Lakh and Three Hundred Sixty only)
 Funding agency: Science & Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India



PI: Dr. Rahul Pratap Singh
Assistant Professor
School of Medical and Allied Sciences
GD Goenka University, Sohna, Gurugram, Haryana,
India

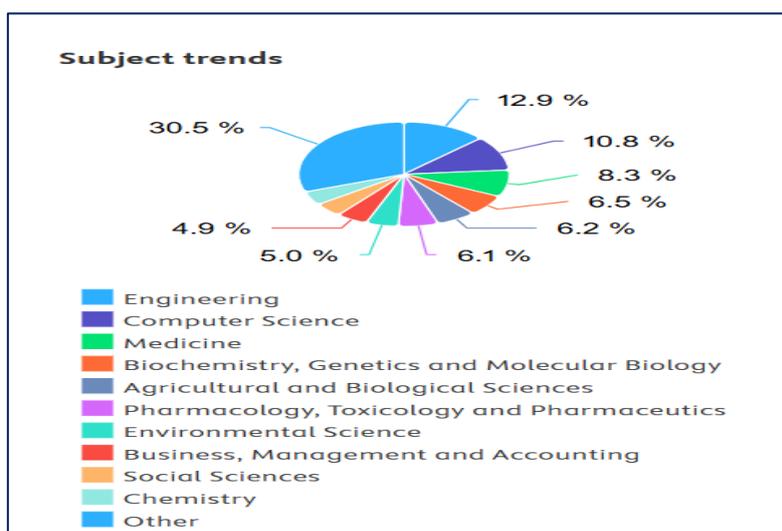
4. Type of Proposal - Academic
Funding Agency - DST-SERB
Reference number - EMR/2016/001085
Title of Project - Multivariate Analysis as a tool in Groundwater Quality Assessment of Mewat District
Investigators - PI: Dr. Priyanka Sharma, SoBAS, GDGU
Amount - ₹ 27,01,800.00
Date of submission - 2016
Status - Completed
Date of Completion - 2020
Status Till Date (Accepted/ Rejected/ Under-Evaluation) - Accepted and Completed

5. Type of Proposal - Academic
Funding Agency - DST-SERB
Reference number - EMR/2017/003714
Title of Project - Modelling and Simulation of Supernovae Light Curves: Connecting Observations with Theory
Investigators - PI: Dr. Shashikant Gupta, SoBAS, GDGU
Amount - ₹ 22,80,520.00
Date of submission - 2017
Status - Completed
Date of Completion - 2021
Status Till Date (Accepted/ Rejected/ Under-Evaluation) - Accepted and Completed

6. Type of Proposal - Academic
Funding Agency - DST-SERB
Reference number - EEO/2019/000218
Title of Project - Studies on Therapeutic Aspects of Nucleic Acid Aptamergrafted-RGD Receptor Targeted Theranostic Chitosan-
Brain Cancer Diagnosis and Treatment
Investigators - PI: Dr. Rahul Pratap Singh
Amount - ₹ 41,00,360.00
Date of submission - 2019
Status - In Progress

b) Publication

GD Goenka University Scopus Publication



SDG 14 – Life Below Water - Publications - 13

S.No.	Type	Title	Authors	Journal / Book	Year
1	Review	Microplastics as emerging threats: advancement in biofilm interactions and remediation technologies	Kumari, S., Yadav, A.N., Rajput, P., Minkina, T.M., Rajput, V.D.	International Journal of Environmental Science and Technology	2025
2	Conference Paper • Open access	Wetland protection and Ramsar Convention: an empirical study of wetlands in Bihar, India	Pandey, S., Bansal, S., Vasmatkar, A.D., Dharangutti, Y.M.	E3s Web of Conferences	2025
3	Conference Paper	Climate Change and Threat to Coral Reefs of Lakshadweep, Laccadive Sea: An Analysis through Legal Lens	Bansal, S., Pandey, S., Avasthi, P., Chhuttani, P.	E3s Web of Conferences	2025
4	Review	Responses of natural plastisphere community and zooplankton to microplastic pollution: a review on novel remediation strategies	Rai, M., Dhanker, R., Sharma, N., ..., Du, Z., Mohamed, H.I.	Archives of Microbiology	2025
5	Review	Regeneration and reusability of non-conventional low-cost adsorbents to remove dyes from wastewaters in multiple consecutive adsorption–desorption cycles: a review	El Messaoudi, N., El Khomri, M., El Mouden, A., ..., Kumar, V., Américo-Pinheiro, J.H.P.	Biomass Conversion and Biorefinery	2024
6	Conference Paper • Open access	Spatiotemporal microplastic occurrence study of Harike wetland, A Ramsar wetland of India	Manzoor, S., Sharma, M., Singh, R.	Bio Web of Conferences	2024
7	Book Chapter	Fishing Gears and Nets as a Source of Microplastic	Sharma, D., Dhanker, R., Bhawna, B., ..., Raza, S., Sharma, A.	Microplastic Pollution	2024
8	Editorial • Open access	Editorial: Effects of microplastics on ecosystem functioning of eukaryotic marine microbes	Kumar, R., Dhanker, R., Américo-Pinheiro, J.H.P., Kumar, D., Hwang, J.	Frontiers in Ecology and Evolution	2024
9	Article	Understanding the Legacy of the Gulf Cooperation Council and Turkey on Bangladesh Politics	Sanyal, P.	Journal of Asian and African Studies	2023

10	Article • Open access	Microbial strategies for degradation of microplastics generated from COVID-19 healthcare waste	Dey, S., Anand, U., Kumar, V., ..., Bhat, S.A., Dey, A.	Environmental Research	2023
11	Article • Open access	Integrated application of macrophytes and zooplankton for wastewater treatment	Prakash, D., Kumar, R., Rajan, K., ..., Dhanker, R., Khudsar, F.A.	Frontiers in Environmental Science	2022
12	Review • Open access	Biological Approaches Integrating Algae and Bacteria for the Degradation of Wastewater Contaminants—A Review	Mathew, M.M., Khatana, K., Vats, V., ..., Dahms, H.U., Hwang, J.	Frontiers in Microbiology	2022
13	Book Chapter	Microbial Community Composition and Functions in Activated Sludge Treatment System	Dey, S., Anand, U., Bhattacharya, S., Kumar, V., Dey, A.	Omics Insights in Environmental Bioremediat	

4. Impact and Way Forward

GD Goenka University contributes to SDG 14 through sustainable water management, rainwater harvesting, responsible waste disposal, and biodiversity-friendly campus practices. Recognized with the Gold Category under the Green Campus Programme, the University integrates environmental stewardship into operations and academics. Moving forward, GDGU aims to strengthen water-quality monitoring, embed aquatic ecosystem conservation into research and curriculum, enhance community outreach, and implement targeted policies to prevent pollution. These measures will ensure continued protection of water resources, support ecosystem resilience, and reinforce the University's commitment to sustainable development.



SDG 15: Life on land

GD Goenka University – Sustainability Initiatives and Achievements

1. Introduction

Sustainable Development Goal 15 (SDG 15) focuses on protecting, restoring, and promoting the sustainable use of terrestrial ecosystems. It highlights the vital role of forests, biodiversity, and land-based ecosystems in maintaining ecological balance, supporting livelihoods, and sustaining life on Earth.

The goal aims to halt and reverse land degradation, combat desertification, and prevent biodiversity loss through sustainable land management and restoration initiatives. By safeguarding soil fertility, water quality, and carbon sequestration, SDG 15 ensures the long-term health and productivity of natural systems.

A major component of SDG 15 is forest conservation and sustainable management. It emphasizes ending deforestation, restoring degraded forests, and promoting responsible forest use. Forests are essential for regulating climate, conserving biodiversity, and providing livelihoods for millions of people worldwide.

SDG 15 also targets the protection of wildlife by addressing illegal poaching, trafficking, and the destruction of natural habitats. Preserving endangered species is critical to maintaining ecological balance and biodiversity.

In addition, the goal calls for restoring degraded ecosystems, including mountains, drylands, and farmlands, through practices that enhance resilience and sustainability.

The success of SDG 15 is closely linked with other global goals—such as clean water and sanitation (SDG 6), climate action (SDG 13), and life below water (SDG 14)—as healthy terrestrial ecosystems are essential to achieving environmental stability, human well-being, and sustainable development.



GD GOENKA EDUCATION CITY

 An advertisement for GD Goenka Education City. It features a large photograph of a modern, multi-story educational building complex with a central courtyard. The text 'A HOLISTIC EDUCATION ECOSYSTEM' is overlaid on the bottom left of the image. Below this, it lists 'SCHOOLS | UNIVERSITY | SKILLING | HOSTELS | SPORTS ARENAS'. On the right side, there is a dark blue box with white text listing key features:

- Built to international standards spanning 60 acres
- Situated in the picturesque foothills of the Aravalli Range, on Sohna Road in Gurugram
- Only 40 minutes from Delhi's International Airport
- Offers both day - boarding and boarding facilities
- Education city providing programmes from Nursery to Master's and Doctoral levels
- Welcomes students from over 40 nationalities



2. GD Goenka University Initiatives

GD Goenka University is dedicated to advancing Sustainable Development Goal (SDG) 15, which emphasizes the protection, restoration, and sustainable use of terrestrial ecosystems. Through its academic programs, research initiatives, and green-campus practices,

the university actively promotes biodiversity conservation, sustainable landscaping, and environmental awareness. Regular plantation drives, tree-adoption programs, and World Environment Day celebrations encourage community participation in ecological preservation. The university's on-campus greenhouse and organic farming units also foster education in sustainable agriculture and natural resource management. These initiatives reflect GDGU's commitment to nurturing environmental responsibility and contributing to a greener, more sustainable future.

a) Education

1.1 Sustainable Use of Land Objective

To advance the goals of SDG 15 ("Life on Land") by promoting sustainable land-use practices, biodiversity conservation, soil and ecosystem health, and responsible management of terrestrial resources through education, research, outreach, and campus action at GDGU.

GD Goenka University



School of Agricultural Sciences
ICAR

Our Vision

 To be a globally recognised agricultural sciences school that enables learners to gain knowledge and skill through research and innovation, interdisciplinary education, producing socially responsible, self-motivated future leaders, driving sustainable growth.

Our Mission

The mission of School of Agricultural Sciences is

1. To establish a strong foundation in the fundamentals linking knowledge and skills through experiential learning
2. To develop a system of excellence in pedagogy for teaching and research to bring improvements in the agricultural sector
3. To foster hands-on, immersive, evidence-based research and fieldwork training opportunities to students in order to create innovative solutions for sustainable agricultural practices
4. To empower its diverse faculty and staff to innovate, discover, and push the frontiers of knowledge to address critical education and research needs of modern society
5. To strive for community engagement by supporting local agriculture as envisioned in the NEP 2020

1.2 Institutional and Academic Context

- The School of Agricultural Sciences at GDGU, accredited by Indian Council of Agricultural Research (ICAR), offers B.Sc. (Hons.) Agriculture, M.Sc. Agriculture, and PhD programmes, integrating courses like "Fundamentals of Soil Science" and "Introduction to Forestry".
- On the SDG 15 web-page, the university states: "Sustainable land-management practices to ensure the resilience of ecosystems and the services they provide, including soil fertility, clean water, and carbon sequestration."
- The broader sustainability commitments of the parent group indicate concrete facility-level actions: for example, 14 borewells across the GDGU campus harvest rainwater, successfully raising the groundwater bed level from 800 to 150 feet.

b) Activities and Initiatives

- Curriculum and Research: The agriculture programme includes soil-science and forestry modules, equipping students with knowledge directly relevant to land-use, ecosystem health, and restoration.
- Campus Sustainability Measures: The university has implemented rain-water harvesting (raising the groundwater bed from 800 ft to 150 ft) and uses hydroponic farming and food-waste-to-manure conversion for horticulture.
- Institutional Outreach: The group has adopted 10 villages in the Sohna/Gurugram region for extension activities, which include awareness on sustainable land-management practices.



Internship/Field Project

(Integrated as a part of curriculum as recommended by the regulatory authority)



Our Training Partners (RAWE)





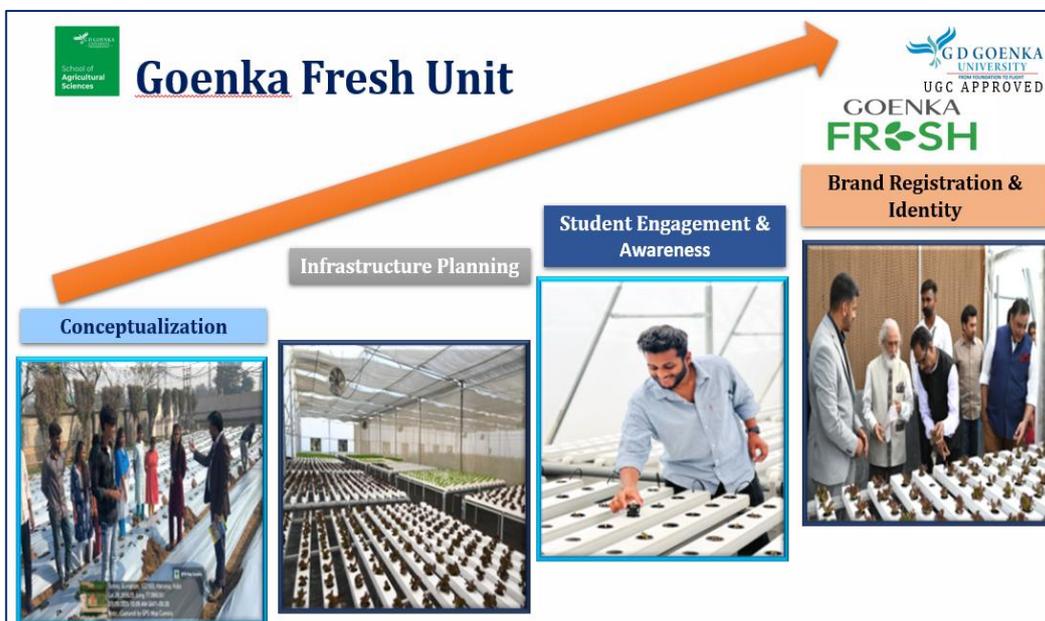
Mushroom Production At GDGU



Emasculation In Okra

Outcomes and Impact

- By integrating soil science and forestry education with practical land-use themes, GDGU is preparing graduates with competencies in ecosystem stewardship, supporting SDG 15 targets such as promoting sustainable forest management and combating desertification.
- The campus water management initiative demonstrates measurable improvement in groundwater recharge, which indirectly supports land-ecosystem resilience.
- The adoption of villages for outreach enables the application of sustainable land-use practices in peri-urban and rural areas around Sohna-Gurugram.



Success of Evidence



Empowering the Farming Community



Challenges and Next Steps

- While curriculum, campus measures, and outreach are in place, the reporting currently lacks detailed aggregated metrics for land restored, area under sustainable land-use practices adopted, biodiversity indices improved, or reduced land-degradation zones attributable to GDGU's interventions.
- Next steps could include quantifying the area of land where improved land-use/soil-restoration practices have been applied, monitoring biodiversity change and soil health parameters, forming a dedicated forum for land-use and ecosystem sustainability, and publishing periodic impact reports tracking progress on SDG 15-related indicators.

c) Sustainably Farmed Food on Campus

GDGU's School of Agricultural Sciences offers a comprehensive four year B.Sc. (Hons.) Agriculture programme and a two year M.Sc. in Agriculture, positioning the university to engage deeply in sustainable food production and land use practices. School of Agriculture Through these programmes, students gain expertise in agronomy, crop management, soil science and allied agricultural disciplines, equipping them to address real world

challenges of food security and sustainable farming. Although specific details of on campus food farming initiatives are not publicly detailed, the institution’s academic infrastructure in agriculture and agribusiness (for example, the MBA in Agriculture Business Management) show a strong orientation towards the full agricultural value chain from production to markets. MBA in Agriculture Business Management In this light, GDGU is well placed to integrate sustainably farmed food on campus—linking curriculum, research and practical application—to promote efficient land use, reduce environmental impact and contribute to ecosystem health in alignment with SDG 15.



d) Maintain and Extend Current Ecosystems’ Biodiversity

Preserving and enhancing biodiversity is central to GD Goenka University’s vision of sustainable development and environmental stewardship. The University actively promotes ecosystem conservation through both academic and campus initiatives. The School of Agricultural Sciences marked International Biodiversity Day 2023 by organizing tree-plantation drives, awareness campaigns, and interactive sessions on the sustainable use of biological resources. (Celebration-of-international-biodiversity-day) In addition, GDGU’s administrative policies emphasize holistic environmental management, including waste reduction, resource conservation, and the implementation of an Environmental Management System to protect and enhance campus ecosystems. (gdgoenkauniversity.com) Through these efforts, the University not only preserves native flora and fauna but also actively engages students and local communities in habitat restoration, tree planting, and awareness activities. By integrating education, research, and practical action, GDGU fosters resilient terrestrial ecosystems and contributes meaningfully to the achievement of SDG 15 – Life on Land.

GD Goenka University celebrated International Biodiversity Day on 22nd May 2023 at the Crop Cafeteria, Agricultural Farm, reflecting its commitment to the conservation and sustainable use of biological diversity. The event, attended by approximately 35 students along with faculty members from the School of Agricultural Sciences (SOAS) and other schools, focused on increasing awareness of the importance and role of biodiversity. Dr. S. S. Tomar, Dean of SOAS, addressed the participants, emphasizing the need for sustainable utilization of bio-resources and the conservation of biodiversity to prevent habitat degradation and the extinction of threatened species. The celebration included various interactive activities that engaged students and faculty in understanding and promoting ecosystem preservation, reinforcing the University’s dedication to safeguarding biodiversity for future generations in line with SDG 15.





e) Educational Programs on Ecosystems

GD Goenka University actively fosters awareness and understanding of ecosystems through its interdisciplinary educational programs. The School of Agricultural Sciences offers B.Sc. (Hons.) and M.Sc. Agriculture programs that integrate ecology, biology, environmental science, and sustainable agriculture, equipping students with both theoretical knowledge and practical skills. The curriculum emphasizes hands-on learning, with students participating in fieldwork, soil and crop management on the university's farms, and research-based internships under the RAWE and AIA programs across different agro-geographies. Emerging technologies, including AI, IoT, and precision farming, are incorporated to promote responsible land-use and ecosystem management. Additionally, students engage in community outreach initiatives, such as tree-plantation drives, soil health monitoring, and biodiversity awareness campaigns, linking classroom learning with real-world conservation efforts. Through these programs, GDGU prepares future environmental leaders capable of promoting sustainable land use, conserving biodiversity, and addressing ecological challenges in alignment with SDG 15 – Life on Land.

f) Sustainable Management of Land for Agriculture (Educational Outreach)

GDGU's School of Agricultural Sciences hosts advanced educational and outreach programmes focused on sustainable agricultural practices and land management. For example, the university organised the conference on "Digital Agriculture" which addressed themes such as AI & IoT in agriculture, remote sensing, and automation of farm management—demonstrating its commitment to climate smart farming and efficient land use. Digital Agriculture Additionally, the broader institution's sustainability initiative includes hydroponic farming and waste to manure conversion, enabling experiential learning in sustainable production systems and reducing pressure on traditional land resources. gdgoenka.com+1



Sustainability

Environmental, Social and Governance (ESG)

At GD Goenka Group, our commitment to ethical, sustainable and responsible business practices is embedded in all our operations. By prioritising accountability, innovation and leadership, we ensure that our efforts towards Environmental, Social and Governance (ESG) values are integrated into our strategy, driving the long term impact across our ventures. The ESG framework we have set for GD Goenka Group enables us to create lasting value, not only for our organisation but also for the communities and the environment we aspire to serve.



g) Sustainable Use, Conservation and Restoration of Land (Policy)

GDGU has embedded sustainability into its institutional framework via its dedicated SDG 15 page, which emphasises “sustainable land management practices to ensure the resilience of ecosystems and the services they provide, including soil fertility, clean water, and carbon sequestration.” Life on Land - GDGU As part of its environmental governance, the university implemented campus wide rain water harvesting (14 borewells), water reuse systems, and hydroponic farming to reduce land degradation influence and support green cover regeneration.



GD Goenka University Awarded Gold under the Green Campus Programme

h) Monitoring IUCN and Other Conservation Species

GDGU’s commitment to biodiversity conservation is indicated by its “Gold” Green Campus certification under The Climate Project Foundation, India & South Asia. This recognition underscores implementation of structured systems for biodiversity, land use, waste, water and mobility management. Green Campus Certificate



i) Local Biodiversity Included in Planning and Development

The university's policies and academic curriculum reflect integration of biodiversity into planning and development. The School of Agricultural Sciences states its vision to produce socially responsible, self motivated future leaders capable of driving sustainable growth via interdisciplinary education and immersive field training. Vision - Mission_ GD Goenka University@ SOAS The broader platform further emphasises resilient terrestrial ecosystems and land based biodiversity services on its SDG 15 page.



Figure -Plantation, Landscaping & Biodiversity

j) Alien Species Impact Reduction

The university's broader environmental management systems (waste segregation, plastic free campus, natural leaf mulching for soil health) demonstrate ecological awareness and habitats' resilience building, which indirectly contribute to reducing pressures from invasive species.

Waste Segregation and Management

Solid Waste Management

MOU

- Greenobin
- Farm Palate

Liquid Waste Management

STP well built with 1.25 L Water is recycled
HWRA approval

Bio Medical Waste Management

MOU

- Sahas Zero Waste
- Bharat Oil Waste Limited

E-Waste Recycling

MOU

- Reboot Pvt. Ltd.

Hazardous Chemicals

MOU

- M/S Sunrise Industries

k) Collaboration for Shared Land Ecosystems

GDGU engages in multi stakeholder collaboration and community outreach: the institution has adopted 10 villages in the Sohna/Gurugram region, providing extension activities under its parent group’s sustainability framework, thereby forging links between campus, local communities, and ecosystem services around shared land ecosystems.

Empowering the Farming Community



Community Engagement

Adopted Villages



Activities Conducted

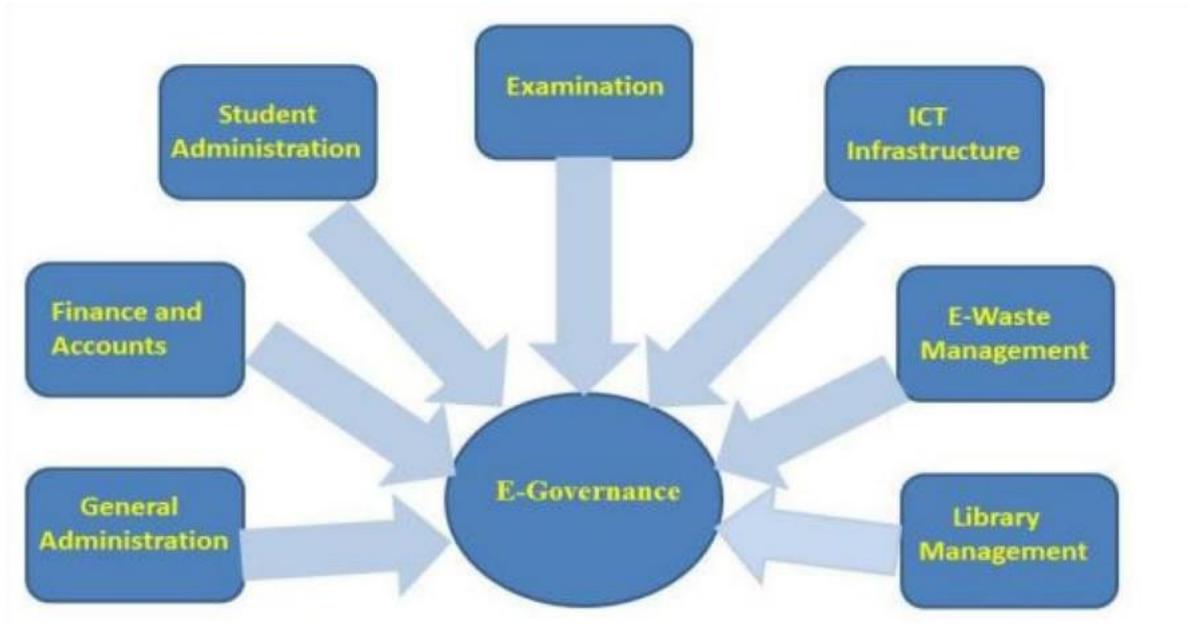


l) Policy on Hazardous Waste Disposal

GD Goenka University has established comprehensive policies for the management and disposal of hazardous waste, as outlined in its Administrative Manual (2023 24) and related institutional frameworks, including the Environment and Sustainability Policy (Chapter 5.13), Waste Management and Laboratory Waste Management Policy (Chapter 5.14), and Assets Management & Disposal of Assets Policy (Chapter 5.16). These policies set out systematic mechanisms for segregation of waste into biodegradable, non-biodegradable, and e-waste categories, ensuring safe handling and environmentally responsible disposal.



Kitchen and horticulture waste is composted to produce chemical-free manure for use on the university’s agricultural farm, promoting circular resource use and soil health. The university also enforces a ban on single-use plastics, reducing potential environmental contamination. Collectively, these measures support clean land use, ecosystem protection, and compliance with sustainability and e-governance standards.



3. Research and Publications

GD Goenka University houses an active Department of Research and Development that supports PhD regulations, grant incentives, and publication rewards. (GD Goenka University) At the School of Agricultural Sciences, faculty specialise in soil science, climate-change mitigation, and sustainable agriculture — for example, Dr. P. R. Pradhan’s expertise includes greenhouse-gas quantification from crop-production systems and sustainable agricultural practices. (school-of-agriculture/dr-rr-pradhan) The Master of Science in Agriculture programme explicitly incorporates modules on “Cropping Systems and Organic Farming” and “Principles and Practices of Water Management,” reflecting the University’s commitment to sustainable land use and ecosystem-friendly agriculture. (school-of-agriculture/msc-agriculture) Through these interdisciplinary education and research channels, GD Goenka University is building capacity in precision and eco-agriculture, soil and ecosystem health, and practical land-restoration methods — thereby aligning with SDG 15’s objective to sustainably manage forests, combat desertification, halt and reverse land degradation, and prevent biodiversity loss.



INNOVATION AWARD RECOGNITION 2023

S No	Name of the Applicant	School/Dept Name	Journal Title	Paper Title	1st/Corresponding Author	SJR Based H Index	Amount
1	Dipesh Popli	SOES	Scientific Reports	A systematic survey of RUM process parameter optimization and their influence on part characteristics of nickel 718	1 st Author	282 (H Index), SJR (0.97), Q1	20,000/-
2	Shashikant Gupta	SOES	Physics Letters B	Investigating the Hubble tension: Effect of cepheid calibration	Corresponding Author	275 (H Index), SJR (1.7), Q1	20,000/-
3	Rahul Pratap Singh	SOMAS	International Journal of Pharmaceutics	RGD-decorated PLGA nanoparticles improved effectiveness and safety of cisplatin for lung cancer therapy	Corresponding Author	244 (H Index), SJR (0.91), Q1	20,000/-
4	Smita Kumari	SOES	Environmental Science and Pollution Research	Bioremediation of polycyclic aromatic hydrocarbons in crude oil by bacterial consortium in soil amended with Eisenia fetida and rhamnolipid	1 st Author	154 (H Index), SJR (0.94), Q1	15,000/-
5	Deepayan Roy	SOAS	Frontiers in Physiology	Transcription dynamics of heat-shock proteins (Hsps) and endosymbiont titres in response to thermal stress in whitefly, Bemisia tabaci (Asia-I)	Corresponding Author	140 (H Index), SJR (1.03), Q1	15,000/-
6	Rahul Pratap Singh	SOMAS	Nanomedicine	Enhanced permeability and retention effect-focused tumor-targeted nanomedicines: latest trends, obstacles and future perspective	Corresponding Author	127 (H Index), SJR (0.7), Q1	15,000/-
7	Pawanjeet Kaur	SOES	Journal of Molecular Structure	Dimeric ZnII complex of carboxylate-appended (2-pyridyl) alkylamine ligand and exploration of experimental, theoretical, molecular docking and electronic excitation studies of ligand	1 st Author	117 (H Index), SJR (0.48), Q2	10,000/-
8	Sarita Devi (1 st Author)/Deepika Garg (Corresponding Author)	SOES	Artificial Intelligence Review	A review of redundancy allocation problem for two decades: bibliometrics and future directions	Sarita Devi-1 st Author, Deepika Garg-Corresponding Author	101 (H Index), SJR (2.49), Q1	10,000/-
9	Raunak Dhanker	SOES	Frontiers in Environmental Science	Green synthesis of silver nanoparticles from vegetable waste of pea Pisum sativum and bottle gourd Lagenaria siceraria: Characterization and antibacterial properties	Corresponding Author	61 (H Index), SJR (1.01), Q1	10,000/-
10	Shashikant Gupta	SOES	Journal of Astrophysics and Astronomy	Accreting white dwarfs: effect of WD composition on helium ignition during slow accretion	Corresponding Author	34 (H Index), SJR (0.47), Q2	10,000/-

Dr. PR Pradhan

Assistant Professor



Qualification: BSc (Agriculture), MSc (ICAR JRF) and PhD (IARI Meritorious & DST Inspire Fellowships) in Soil Science and Agricultural Chemistry

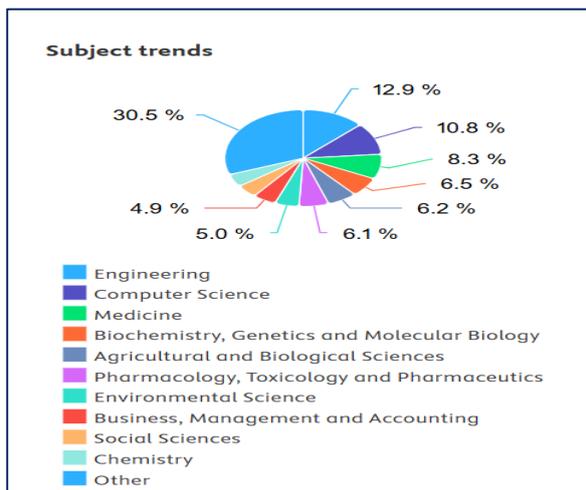
College/University: Orissa University of Agriculture & Technology, Bhubaneswar, Indian Agricultural Research Institute (IARI), New Delhi

Introduction: Pradhan's expertise is in soil science, climate change mitigation and sustainable agriculture. He has more than 8 years combined post-doctoral experience in research, short-term teaching to students, imparting training to farmers and technicians on soil-plant-environment system as well as provision of consultancy on sustainable agriculture. He is also having experience of working with different analytical instruments like spectrophotometer, autoanalyser, CHNS elemental analyser, atomic absorption spectrometer, mass spectrometer and gas chromatograph, and statistical softwares like MSTAT-C, SPSS and SAS. Pradhan has completed his MSc (ICAR JRF) and PhD (IARI Meritorious & DST Inspire Fellowships) in Soil Science and Agricultural Chemistry from Indian Agricultural Research Institute (IARI), New Delhi and BSc (Agriculture) from Orissa University of Agriculture & Technology, Bhubaneswar. He has post-doctoral work experience with International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Hyderabad and Japan International Research Center for Agricultural Sciences (JIRCAS), Tsukuba. Pradhan has also completed several online as well as offline certificate courses on Remote Sensing, Climate Smart Agriculture, Leadership and Management, Sustainable Agriculture, Climate Change, Research Ethics, Digital Agriculture, Digital Skills, Diversity and Inclusion, Global Citizenship and Harassment Prevention conducted by IIRS-Dehradun, FutureLearn, FAO, JSPS, edX and Last Mile Learning. He has received training on DSSAT crop modelling by researchers from Washington State University, University of Florida, and ICRISAT, India. He has acquired expertise on greenhouse gas quantification from crop production systems using automated sampling system by trainers from Queensland University of Technology, Brisbane, Australia.



Publication

GD Goenka University Scopus Publication



SDG 15 – Life on Land - Publications – 39

S.No.	Type	Title	Authors	Journal / Book	Year
1	Article	Harnessing cotton fibril decorated ZIF-67 for bio-inspired all-weather sustainable photothermal desalination	Jain, G., Jain, Y., Sikarwar, B.S., Mukherjee, M., Chakrabarti, S.	Chemical Engineering Journal	2025
2	Conference Paper • Open access	Wetland protection and Ramsar Convention: an empirical study of wetlands in Bihar, India	Pandey, S., Bansal, S., Vasmatkar, A.D., Dharangutti, Y.M.	E3s Web of Conferences	2025
3	Review	Responses of natural plastisphere community and zooplankton to microplastic pollution: a review on novel remediation strategies	Rai, M., Dhanker, R., Sharma, N., ..., Du, Z., Mohamed, H.I.	Archives of Microbiology	2025
4	Book Chapter	Cleaning up wastewater through algae and its integration with other processes	Dhanker, R., Yadav, R., Khushboo, ..., Kasere, S., Anshul	Advanced Technologies in Wastewater Treatment Food Pharmaceutical and Chemical Industry	2025
5	Book Chapter	Nanotechnology-based soil improvement and conservation for enhancement of crop production	Patle, T., Tomar, B., Parihar, S.S., Tomar, S.S., Singh, P.K.	Harnessing Nanoomics and Nanozymes for Sustainable Agriculture	2024
6	Review	Nanomaterials and biochar mediated remediation of emerging contaminants	Rajput, P., Kumar, P.V.D., Priya, A.K., ..., Wong, M.H., Rensing, C.	Science of the Total Environment	2024
7	Conference Paper	Helium-Cooled Nuclear Reactors: Powering the Future of Deep Space Exploration	Guyen, U., Goel, E., Gurunadh, V.	Proceedings of the International Astronautical Congress Iac	2024
8	Book Chapter	Impact of nanotoxicity in soil microbiome and its remedial approach	Pandey, B.K., Jha, S., Jha, G., ..., Shukla, S.K., Dikshit, A.	Microbiome Based Decontamination of Environmental Pollutants	2024
9	Book Chapter	Agronomic Strategies for Enhancing Forest Resilience to Climate Change	Kumar, D., Pandey, V., Dixit, S.	Forests and Climate Change Biological Perspectives on Impact Adaptation and Mitigation Strategies	2024

10	Book Chapter	The Soil-Climate Nexus in Forest Ecosystems	Pandey, V., Kumar, D.	Forests and Climate Change Biological Perspectives on Impact Adaptation and Mitigation Strategies	2024
11	Article	Impact Assessment of Water Conservation Measures Using Swat Model For Upper Yamuna River Basin in India	Rathee, R.K., Neelam, Mishra, S.K.	Water and Energy International	2023
12	Book Chapter	Nanoparticle characterization and bioremediation: Prospects for ecological advantages	Ahlawat, J., Pandey, D.K., Chaudhary, R., ..., Parkhe, S.S., Dadheech, P.	Sustainable Utilization of Nanoparticles and Nanofluids in Engineering Applications	2023
13	Article	Bioremediation of polycyclic aromatic hydrocarbons in crude oil by bacterial consortium in soil amended with Eisenia fetida and rhamnolipid	Kumari, S., Gautam, K., Seth, M., Anbumani, S., Manickam, N.	Environmental Science and Pollution Research	2023
14	Book	Genomics Approach to Bioremediation Principles, Tools, and Emerging Technologies	Kumar, V., Bilal, M.Q., Romanholo Ferreira, L.F., Iqbal, H.M.	Genomics to Bioremediation Principles Applications and Perspectives	2023
15	Conference Paper	Nuclear Power Generation Using Modular Helium Cooled Reactors for Sustainable Lunar Bases and Moon Habitats	Guyen, U., Gurunadh, V.	Proceedings of the International Astronautical Congress	2023
16	Article • Open access	Optimal feature selection and invasive weed tunicate swarm algorithm-based hierarchical attention network for text classification	Singh, G., Nagpal, A., Vijendra, S.P.	Connection Science	2023
17	Review • Open access	Nano-Enhanced Microbial Remediation of PAHs Contaminated Soil	Rajput, V.D., Kumari, S., Minkina, T.M., Sushkova, S.N., Mandzhieva, S.S.	Air Soil and Water Research	2023
18	Article	EXPLORING INTRASPECIFIC PROVENANCE VARIATION IN SEED MORPHOLOGICAL TRAITS OF ALBIZIA	Meenakshi, Rana, N.S., Bharti, ..., Sankhyan, N., Ghabru, A.	Journal of Tropical Forest Science	2023

		PROCERA IN MID-HIMALAYAN REGION OF INDIA			
19	Article • Open access	HFCVO-DMN: Henry Fuzzy Competitive Verse Optimizer-Integrated Deep Maxout Network for Incremental Text Classification	Singh, G., Nagpal, A.	Computation	2023
20	Book	Omics for Environmental Engineering and Microbiology Systems	Kumar, V., Garg, V.K., Kumar, S.N., Biswas, J.K.	Omics for Environmental Engineering and Microbiology Systems	2022
21	Article	Bioremediation of metal(loid) cocktail, struvite biosynthesis and plant growth promotion by a versatile bacterial strain <i>Serratia</i> sp. KUJM3: Exploiting environmental co-benefits	Mondal, M., Kumar, V., Bhatnagar, A., ..., Chaudhuri, P., Biswas, J.K.	Environmental Research	2022
22	Article • Open access	Progress in microalgal mediated bioremediation systems for the removal of antibiotics and pharmaceuticals from wastewater	Chandel, N., Ahuja, V., Gurav, R.G., ..., Yang, Y., Bhatia, S.K.	Science of the Total Environment	2022
23	Review • Open access	Biological Approaches Integrating Algae and Bacteria for the Degradation of Wastewater Contaminants—A Review	Mathew, M.M., Khatana, K., Vats, V., ..., Dahms, H.U., Hwang, J.	Frontiers in Microbiology	2022
24	Article	SDG 4 and Program inclusive credit-based MOOCs in Higher Educational Institutions of India (HEIs); Students' perspective	Singh, A., Kakkar, K.B.	Transnational Marketing Journal	2022
25	Book Chapter	Climate uncertainties and biodiversity: An overview	Kamboj, R., Kamboj, S., Kamboj, S., ..., Srivastav, A.L., Gautam, S.P.	Visualization Techniques for Climate Change with Machine Learning and Artificial Intelligence	2022

26	Conference Paper • Open access	Text Classification using Improved IWO-HAN	Singh, G., Nagpal, A., Vijendra, S.P.	Procedia Computer Science	2022
27	Book Chapter	Phytoremediation: A Sustainable Solution to Combat Pollution	Saxena, K., Hussain, T., Dhanker, R., Jain, P., Goyal, S.	Biotechnological Innovations for Environmental Bioremediation	2022
28	Book Chapter	Emerging bioremediation strategies for the removal of pharmaceutical combinations in wastewater	Kumari, S., Singh, R., Mohapatra, B.	Synergistic Approaches for Bioremediation of Environmental Pollutants Recent Advances and Challenges	2022
29	Book Chapter	Decontamination and Management of Industrial Wastewater Using Microorganisms Under Aerobic Condition	Sharma, A., Sharma, S., Singh, C.S., Kumar, V.	Omics Insights in Environmental Bioremediation	2022
30	Book	Omics Insights in Environmental Bioremediation	Kumar, V., Thakur, I.S.	Omics Insights in Environmental Bioremediation	2022
31	Book Chapter	Enzyme Technology for Remediation of Contaminants in the Environment	Parethe, S.S., Romauld, S.I., Pazhamalai, V., Thiruvengadam, S., Kumar, V.	Omics Insights in Environmental Bioremediation	2022
32	Book Chapter	Microbial community and their role in bioremediation of polluted e-waste sites	Dey, S., Shekhawat, M.S., Pandey, D.K., ..., Kumar, V., Dey, A.	Metagenomics to Bioremediation Applications Cutting Edge Tools and Future Outlook	2022
33	Book Chapter	Genetically engineered microbes for bioremediation and phytoremediation of contaminated environment	Arunraja, D., Romauld, S.I., Parthiban, B.D., Thiruvengadam, S., Kumar, V.	Metagenomics to Bioremediation Applications Cutting Edge Tools and Future Outlook	2022
34	Book	Metagenomics to Bioremediation: Applications, Cutting Edge Tools, and Future Outlook	Kumar, V., Bilal, M.Q., Shahi, S.K., Garg, V.K.	Metagenomics to Bioremediation Applications Cutting Edge Tools and Future Outlook	2022

35	Book Chapter	Recent advances in bioremediation by metagenomics-based approach for pharmaceutical derived pollutants	Bhuvaneswari, S., Illakiya Bharathi, K., Rajakumari, K., Kumar, V.	Metagenomics to Bioremediation Applications Cutting Edge Tools and Future Outlook	2022
36	Book Chapter	Science of Microorganisms for the Restoration of Polluted sites for Safe and Healthy Environment	Hussain, T., Dhanker, R.	Microbial Ecology of Wastewater Treatment Plants	2021
37	Conference Paper	Can organic products be sustainable in present business environment?	Alam, A., Jamal Mahmood, S.M.	Proceedings of the International Conference on Industrial Engineering and Operations Management	2021
38	Book Chapter	Sustainable crop production and improvement through bio-prospecting of fungi	Haris, M., Shakeel, A., Ansari, M.S., ..., Khan, A.A., Dhankar, R.	Fungi Bio Prospects in Sustainable Agriculture Environment and Nano Technology Volume 1 Fungal Diversity of Sustainable Agriculture	2020
39	Book Chapter	Advances in fungi: Rejuvenation of polluted sites	Dhanker, R., Tyagi, P., Kamble, S.S., Gupta, D., Hussain, T.	Fungi Bio Prospects in Sustainable Agriculture Environment and Nano Technology Volume 2 Extremophilic Fungi and Myco Mediated Environmental Management	2020

4. Impact and Way Forward

GD Goenka University actively supports SDG 15 through sustainable land use, biodiversity conservation, eco-friendly agricultural practices, and campus-wide waste management. The University integrates ecosystem awareness into its curriculum, research, and community outreach initiatives, fostering practical solutions for land restoration and habitat preservation. Moving forward, GDGU plans to expand research on soil and ecosystem health, strengthen biodiversity monitoring, and enhance community engagement in conservation activities. These efforts will promote resilient terrestrial ecosystems, safeguard native species, and reinforce the University's commitment to sustainable development.



SDG 16: Peace, Justice and Strong Institutions

GD Goenka University – Sustainability Initiatives and Achievements

1. Introduction

Sustainable Development Goal 16 (SDG 16) focuses on promoting peaceful, just, and inclusive societies that provide access to justice for all and build effective, accountable, and transparent institutions. Recognizing that sustainable development depends on stability, fairness, and trust in institutions, GD Goenka University integrates the principles of SDG 16 into its governance, academic, and community frameworks.

In 2023, GD Goenka University strengthened its institutional mechanisms to foster ethical governance, participatory decision-making, and inclusivity across all levels. The University’s commitment to transparency and accountability is reflected in its administrative policies, academic integrity initiatives, and student grievance redressal systems. The School of Law continues to play a pivotal role in advancing justice education, legal awareness, and human rights advocacy through research, seminars, and community outreach programs.

The University actively promotes peace, equality, and the rule of law by engaging students and faculty in community development, social responsibility projects, and awareness drives addressing issues such as gender justice, legal literacy, and ethical leadership. By building a culture of dialogue, collaboration, and civic engagement, GD Goenka University reinforces its role as an institution that not only educates but also empowers individuals to contribute meaningfully to a just and inclusive society. SDG 16 remains central to GD Goenka University’s mission of creating responsible global citizens and strengthening institutional resilience to support sustainable development goals at both local and global levels.



GD GOENKA EDUCATION CITY

A HOLISTIC EDUCATION ECOSYSTEM
SCHOOLS | UNIVERSITY | SKILLING | HOSTELS | SPORTS ARENAS

- Built to international standards spanning 60 acres
- Situated in the picturesque foothills of the Aravalli Range, on Sohna Road in Gurugram
- Only 40 minutes from Delhi’s International Airport
- Offers both day-boarding and boarding facilities
- Education city providing programmes from Nursery to Master’s and Doctoral levels
- Welcomes students from over 40 nationalities





GD Goenka University upholds the values of peace, justice, and strong institutions in alignment with Sustainable Development Goal 16. The University is committed to fostering transparency, ethical governance, and inclusivity across all its academic and administrative operations. Through participatory decision-making, policy-driven administration, and community engagement initiatives, GD Goenka University promotes accountability and integrity within its institutional framework. The University’s emphasis on legal education, social justice, and public policy research further strengthens its contribution to building a fair and equitable society. By empowering students and faculty to engage in dialogue, leadership, and community service, GD Goenka University continues to nurture responsible global citizens and reinforce its role as a beacon of justice and good governance.

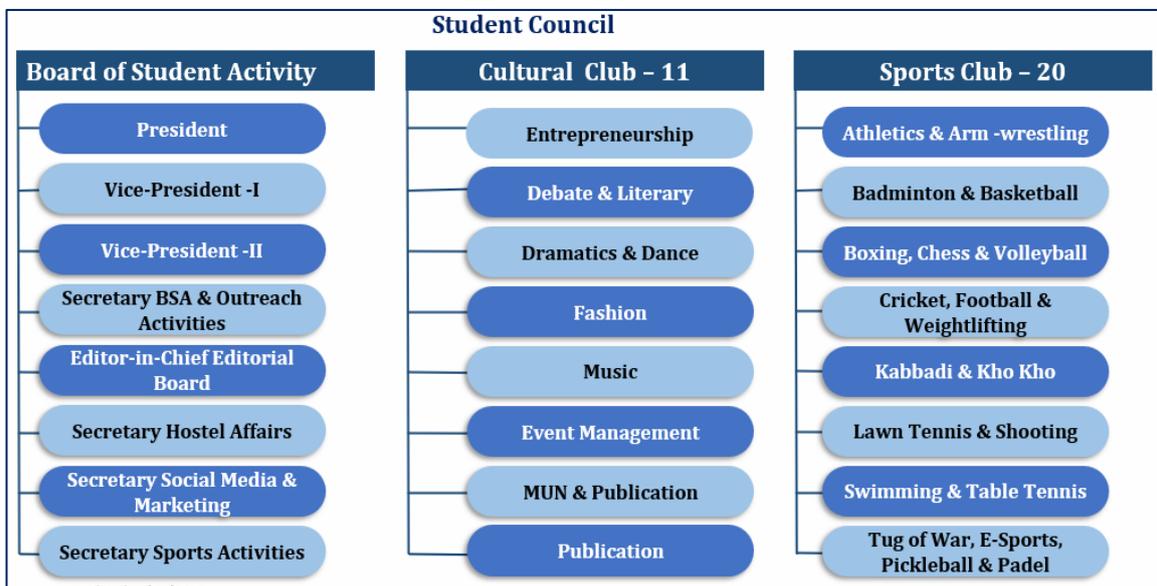
2. GD Goenka University Initiatives

a) Education

Education plays a vital role in achieving SDG 16, which focuses on promoting peace, justice, and strong institutions. Through inclusive and values-based education, individuals develop a deeper understanding of human rights, ethics, and social responsibility. Educational institutions serve as platforms for nurturing respect, tolerance, and civic engagement among students, empowering them to become informed and active citizens who contribute to peaceful and just societies. By integrating principles of transparency, equality, and justice into academic curricula and campus culture, universities like GD Goenka University help build the foundation for strong institutions and a more harmonious and equitable world.

c) Student Union / Student Representation

The Body of Student Affairs (BSA) at GD Goenka University promotes student leadership, representation, and participation in institutional governance. It serves as a platform for dialogue between students and administration, ensuring inclusivity and collaboration in decision-making. Through its student-led initiatives, welfare programs, and cultural activities, the BSA nurtures civic responsibility, ethical leadership, and community engagement — reflecting the University’s commitment to SDG 16: Peace, Justice and Strong Institutions.



d) Identifying and engaging with Local Stakeholders

GDGU actively engages with its local environment and community. Through the university’s parent group’s sustainability page, it is noted that GDGU (via the GD Goenka Group) has adopted 10 villages in the Sohna/Gurugram region for extension activities, legal assistance and social service. GD Goenka Group This reflects the institution’s commitment to working with local stakeholders (villagers, community groups) to align its initiatives with regional development goals. Further, the university’s vision mission statements highlight engagement with institutions, industry, government agencies and local communities for effective alignment with stakeholders’ interests.





EXTENSION ACTIVITIES AND AWARDS



NATIONAL LOK ADALAT

12th March 2022

PO10 : Legal Aid

PO05: Communication Skills

PO07: Ability to Collaborate

SDG 10: Reduce Inequality

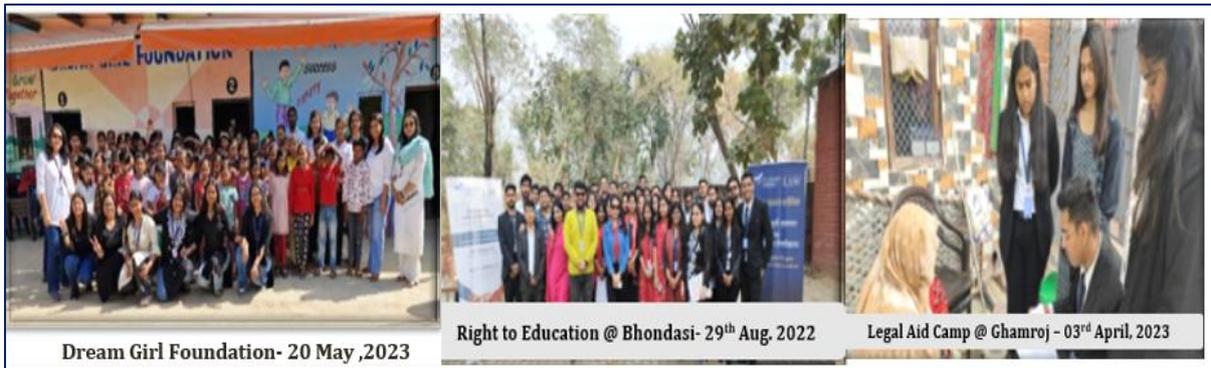
SDG 16: Peace, Justice and Strong Institutions

Course: SLC4701 Alternate Dispute Resolution

www.gdgoenkauniversity.com





e) Participatory Bodies for Stakeholder Engagement

GDGU has instituted committees and bodies for participatory engagement. For example, each School of the university lists committees such as the Anti-Ragging Committee and Disciplinary Committee that include faculty and student members. Committees The university governance framework lists academic councils and boards (e.g., Board of Studies) which typically include external stakeholders such as members of industry, alumni, and government. Admin Manual These participatory bodies help ensure that decision-making incorporates diverse voices (students, faculty, community, industry) and fosters responsiveness to stakeholder needs.

<https://www.gdgoenkauniversity.com/internal-committee>



ELECTORAL CLUB

PO10: Legal Aid
 PO05: Communication Skills
 PO07: Ability to Collaborate
SDG 3: Good Health and Well-Being
SDG 16: Peace, Justice and Strong Institutions
Course:SLL2705 Constitutional Law-I



Centres of Excellence

- Centre for IPR
- Rezwan Razack Centre for Numismatic Studies and Research
- Centre for Corporate Law and Policy
- Centre for Conflict Resolution

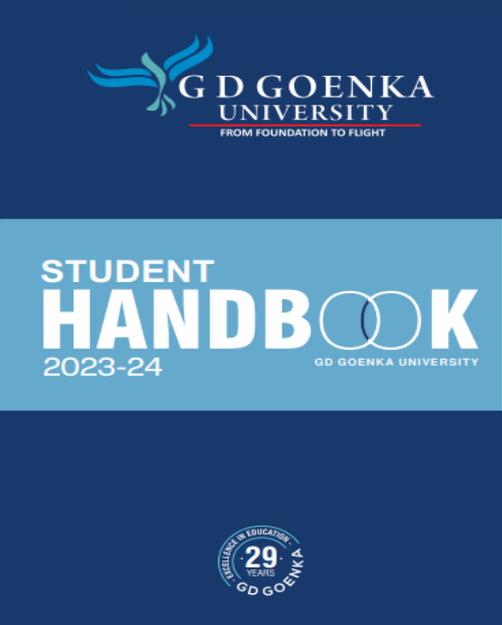


f) University Principles on Corruption and Bribery

GDGU upholds its commitment to ethics and transparency through its parent group’s ESG (Environmental, Social & Governance) framework. The group’s sustainability page highlights a strong “Code-of-Conduct policy,”

https://gdgoenkauniversity.com/img/uploads/StudentHandbook2023-2024_Code of Conduct guiding ethical decision-making across the institution. The Administrative Manual further outlines e-governance, standing committees, audit processes and transparent administrative procedures. GD Goenka University These policies underline the university’s focus on preventing misconduct, ensuring accountability, and fostering an equitable environment.



		
24	Issue of Grade Sheets & Final Degree	47
25	Medals Criteria for Convocation Ceremony	48
26	Disciplinary Control of Students During Examinations	49
27	Ragging Policy & Anti - Ragging Measures	53
28	General Code of Conduct	57
29	Official Duty	61
30	Regulations for Scholarships	63
31	Fee Payment	79
32	Late Fees	79
33	Mid Programme Withdrawal	79
34	Re-Admission	80
35	Hostel Rules and Regulations	81
36	General Guidelines on ERP	84
37	Student Engagement & Experience	87
38	BSA & NSS Calendar	88
39	List of Holidays	89
40	Notice	90

g) Teaching and Learning

GD Goenka University integrates the principles of peace, justice, and strong institutions throughout its curriculum, pedagogy, and governance practices. The School of Law leads this effort by fostering legal awareness, constitutional literacy, and respect for human rights among students. Courses such as Constitutional Law, Jurisprudence, Human Rights Law, and Public International Law train students to understand and uphold justice and good governance.

The School of Humanities and Social Sciences and the School of Management also embed institutional and ethical themes in their curricula—through subjects addressing ethics in leadership, governance, and corporate responsibility. In 2023, GDGU organized workshops on Constitutional Obligations and Governance and legal-literacy seminars encouraging active civic engagement. (Constitutional Management Session) These learning experiences cultivate responsible citizens and professionals capable of strengthening justice systems and institutions in society.





The School of Management at GD Goenka University organized a session on constitutional obligation for management students on 10 April 2024. The resource person for the session was Mr. Amit Raj Agarwal, Faculty Member, School of Law, and it was coordinated by Dr. Ramandeep Kaur, Associate Professor, School of Management.

The session provided students with an understanding of the responsibilities and duties of individuals, government officials, and public institutions under the Constitution. It highlighted the importance of upholding constitutional obligations to protect individual rights, maintain the rule of law, and promote democratic governance. Participants also explored the historical context and significance of these obligations in shaping the country's legal and political framework. .(The Print News Release)

GD Goenka University Elevates Legal Education with State-of-the-Art Moot Court Hall



h) University Operations

GD Goenka University's governance framework ensures transparency, accountability, and ethical administration. Its **Internal Quality Assurance Cell (IQAC)** vision is to "facilitate effective implementation of the University's teaching, learning, and research processes in line with its Vision and Mission, authentically capturing data to assist in quality enhancement." ([IQAC Vision and Mission](#)). The University enforces policies on **Ethics, Academic Integrity, Whistle-blower Protection, and Grievance Redressal**, supported by committees such as the *Anti-Ragging Committee, Disciplinary Committee, and Internal Complaints Committee*. The **Administrative Manual (2023-24)** further emphasizes transparency, digital governance (via the People Strong platform), waste management, and sustainability—ensuring institutional integrity in both academic and operational domains.

i) Partnerships

GD Goenka University actively collaborates with government bodies, legal institutions, and community organizations to advance justice and institutional capacity-building. Partnerships with entities such as **The Climate Project Foundation (India & South Asia)**, under which GDGU achieved *Gold Category* recognition for its Green Campus Programme (2023), demonstrate its leadership in ethical and sustainable governance.

The **School of Law** regularly hosts **national and international moot court competitions, legal-aid camps, and policy dialogues** in collaboration with industry experts, judiciary members, and NGOs. Through these efforts, GDGU strengthens its societal impact by empowering students, fostering institutional trust, and promoting the rule of law.





GD GOENKA | SCHOOL OF LAW
FROM FOUNDATION TO FLIGHT

GD Goenka University's | School of Law Organises

NATIONAL SYMPOSIUM ON GENDER EQUALITY: ISSUES & CHALLENGES

21st April 2023
at B Block GD Goenka University



Registration Fees
Rs. 150/- per person - Research Scholars/ Students GDGU
Rs. 300/- per person - Faculty & Others

Student Convenors
7217563632 - Ms. Dhanvi - 210060403006.dhanvi@gdgu.org
8851812691 - Ms. Riya - 210060401034.riya@gdgu.org

PAYMENT DETAILS
Name of Beneficiary: GD Goenka University
Name of Bank: HDFC Bank
Address: Site No. 2, DCF Pocket, Sector - C, Vasant Kunj, New Delhi- 110070, India
S.B. A/c No.: 02731450000270
RTGS/ IFS Code No.: HDFC0000273
Fax No.: 0124-3315936
MICR Code: 110240034

Registration link <https://forms.gle/LxXTgZmstriaWK9y5>



3. Research and Publications

a) Research

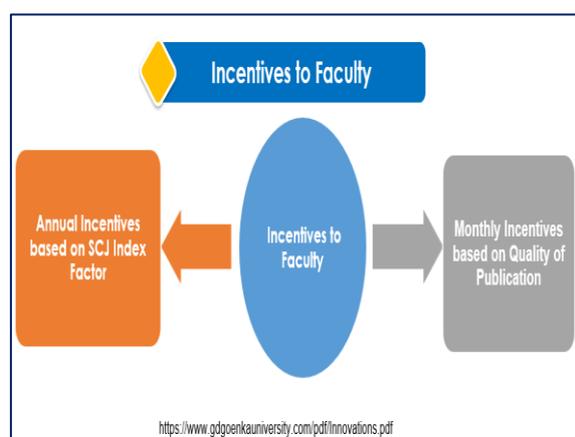
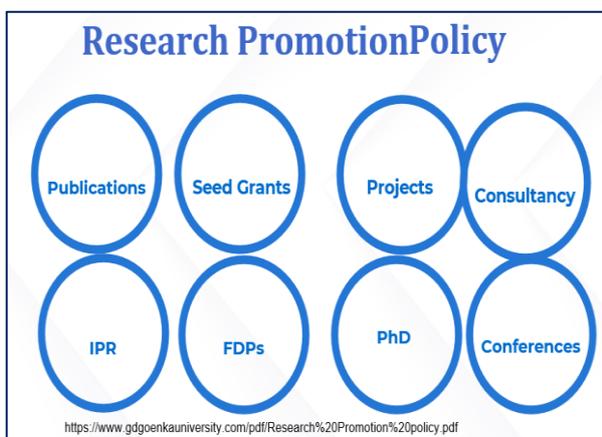
Research at GD Goenka University plays a transformative role in advancing the objectives of Sustainable Development Goal 16 (Peace, Justice and Strong Institutions). Guided by its Department of Research and Development, the University fosters interdisciplinary inquiry that explores governance frameworks, institutional resilience, legal innovation, and social equity. Faculty and research scholars from the School of Law and the School of Humanities and Social Sciences undertake pioneering studies on constitutional reforms, judicial practices, ethical governance, and policy evaluation, contributing to the national and global discourse on justice and good governance.

<h2 style="text-align: center;">Research (At a Glance)</h2>				
Research Seed Grant 3.40 Crores INR	Sponsored Research Grant 21.56 Crores INR	Sponsored Research Projects 299	Patents Published 111	Patents Awarded 16
Research Innovation Awards 65	Published Research Articles 1125	Books and Book Chapters 1542	Citations Index 8.3	H-index 38
JRF, SRF 252	PhD Awarded 238	Extension Activities 157	Functional MoUs 81	Incentives for Publications 10.12 Lakhs INR
Revenue Generated form Consultancy/ Corporate Training 6.81 Crores INR		Incentives for Patents 2.19 Lakhs INR	Teachers Received National/International Fellowship/Financial Support 134	



In 2023, GD Goenka University convened and participated in several national and international conferences focusing on *Legal Reforms for Inclusive Development, Digital Governance and E-Justice Systems, and AI in Law and Public Policy*. These platforms enabled faculty and students to collaborate with policymakers, legal practitioners, and industry experts to address contemporary challenges in governance and institutional transparency. A key milestone was the establishment of the Gopi Ram Goenka Moot Court Hall, inaugurated in 2023 by the former Chief Justice of India, Justice Dipak Misra. This state-of-the-art facility strengthens experiential and research-based learning by simulating real-world judicial environments. It provides an advanced infrastructure for research in advocacy, arbitration, and judicial procedures, while hosting national and international moot court competitions and policy dialogues.

Through these initiatives, GD Goenka University continues to reinforce its position as a centre of excellence in legal and institutional research. The University’s commitment to evidence-based inquiry, ethical scholarship, and interdisciplinary collaboration ensures a lasting contribution to the creation of just, transparent, and resilient institutions that uphold the principles of peace and sustainable development





Publication Incentives Ceremony 2023

Publication Incentives Ceremony 2021



Research Orientation Workshop March 2023



b) Research Projects

GD Goenka University houses an active Department of Research and Development that supports PhD regulations, grant incentives, and publication rewards. ([GD Goenka University](#)) At the School of Agricultural Sciences, faculty specialise in soil science, climate-change mitigation, and sustainable agriculture — for example, Dr. P. R. Pradhan’s expertise includes greenhouse-gas quantification from crop-production systems and sustainable agricultural practices. ([school-of-agriculture/dr-rr-pradhan](#)) The Master of Science in Agriculture programme explicitly incorporates modules on “Cropping Systems and Organic Farming” and “Principles and Practices of Water Management,” reflecting the University’s commitment to sustainable land use and ecosystem-friendly agriculture. ([school-of-agriculture/msc-agriculture](#)) Through these interdisciplinary education and research channels, GD Goenka University is building capacity in precision and eco-agriculture, soil and ecosystem health, and practical land-restoration methods — thereby aligning with SDG 15’s objective to sustainably manage forests, combat desertification, halt and reverse land degradation, and prevent biodiversity loss.

INNOVATION AWARD RECOGNITION 2023

S No	Name of the Applicant	School/Dept Name	Journal Title	Paper Title	1st/Corresponding Author	SJR Based H Index	Amount
1	Dipesh Popli	SOES	Scientific Reports	A systematic survey of RUM process parameter optimization and their influence on part characteristics of nickel 718	1 st Author	282 (H Index), SJR (0.97), Q1	20,000/-
2	Shashikant Gupta	SOES	Physics Letters B	Investigating the Hubble tension: Effect of cepheid calibration	Corresponding Author	275 (H Index), SJR (1.7), Q1	20,000/-
3	Rahul Pratap Singh	SOMAS	International Journal of Pharmaceutics	RGD-decorated PLGA nanoparticles improved effectiveness and safety of cisplatin for lung cancer therapy	Corresponding Author	244 (H Index), SJR (0.91), Q1	20,000/-
4	Smita Kumari	SOES	Environmental Science and Pollution Research	Bioremediation of polycyclic aromatic hydrocarbons in crude oil by bacterial consortium in soil amended with <i>Eisenia fetida</i> and rhamnolipid	1 st Author	154 (H Index), SJR (0.94), Q1	15,000/-
5	Deepayan Roy	SOAS	Frontiers in Physiology	Transcription dynamics of heat-shock proteins (Hsps) and endosymbiont titres in response to thermal stress in whitefly, <i>Bemisia tabaci</i> (Asia-I)	Corresponding Author	140 (H Index), SJR (1.03), Q1	15,000/-
6	Rahul Pratap Singh	SOMAS	Nanomedicine	Enhanced permeability and retention effect-focused tumor-targeted nanomedicines: latest trends, obstacles and future perspective	Corresponding Author	127 (H Index), SJR (0.7), Q1	15,000/-
7	Pawanjeet Kaur	SOES	Journal of Molecular Structure	Dimeric ZnII complex of carboxylate-appended (2-pyridyl) alkylamine ligand and exploration of experimental, theoretical, molecular docking and electronic excitation studies of ligand	1 st Author	117 (H Index), SJR (0.48), Q2	10,000/-
8	Sarita Devi (1 st Author)/Deepika Garg (Corresponding Author)	SOES	Artificial Intelligence Review	A review of redundancy allocation problem for two decades: bibliometrics and future directions	Sarita Devi-1 st Author, Deepika Garg-Corresponding Author	101 (H Index), SJR (2.49), Q1	10,000/-
9	Raunak Dhanker	SOES	Frontiers in Environmental Science	Green synthesis of silver nanoparticles from vegetable waste of pea <i>Pisum sativum</i> and bottle gourd <i>Lagenaria siceraria</i> : Characterization and antibacterial properties	Corresponding Author	61 (H Index), SJR (1.01), Q1	10,000/-
10	Shashikant Gupta	SOES	Journal of Astrophysics and Astronomy	Accreting white dwarfs: effect of WD composition on helium ignition during slow accretion	Corresponding Author	34 (H Index), SJR (0.47), Q2	10,000/-

Dr. PR Pradhan

Assistant Professor



Qualification: BSc (Agriculture), MSc (ICAR JRF) and PhD (IARI Meritorious & DST Inspire Fellowships) in Soil Science and Agricultural Chemistry

College/University: Orissa University of Agriculture & Technology, Bhubaneswar, Indian Agricultural Research Institute (IARI), New Delhi

Introduction: Pradhan's expertise is in soil science, climate change mitigation and sustainable agriculture. He has more than 8 years combined post-doctoral experience in research, short-term teaching to students, imparting training to farmers and technicians on soil-plant-environment system as well as provision of consultancy on sustainable agriculture. He is also having experience of working with different analytical instruments like spectrophotometer, autoanalyser, CHNS elemental analyser, atomic absorption spectrometer, mass spectrometer and gas chromatograph, and statistical softwares like MSTAT-C, SPSS and SAS. Pradhan has completed his MSc (ICAR JRF) and PhD (IARI Meritorious & DST Inspire Fellowships) in Soil Science and Agricultural Chemistry from Indian Agricultural Research Institute (IARI), New Delhi and BSc (Agriculture) from Orissa University of Agriculture & Technology, Bhubaneswar. He has post-doctoral work experience with International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Hyderabad and Japan International Research Center for Agricultural Sciences (JIRCAS), Tsukuba Pradhan has also completed several online as well as offline certificate courses on Remote Sensing, Climate Smart Agriculture, Leadership and Management, Sustainable Agriculture, Climate Change, Research Ethics, Digital Agriculture, Digital Skills, Diversity and Inclusion, Global Citizenship and Harassment Prevention conducted by IIRS-Dehradun, FutureLearn, FAO, JSPS, edX and Last Mile Learning. He has received training on DSSAT crop modelling by researchers from Washington State University, University of Florida, and ICRISAT, India. He has acquired expertise on greenhouse gas quantification from crop production systems using automated sampling system by trainers from Queensland University of Technology, Brisbane, Australia.



Research Excellence Award From GBUAT, Pantnagar 2022



Woman Scientist Award At Hansraj College Delhi University In 2024



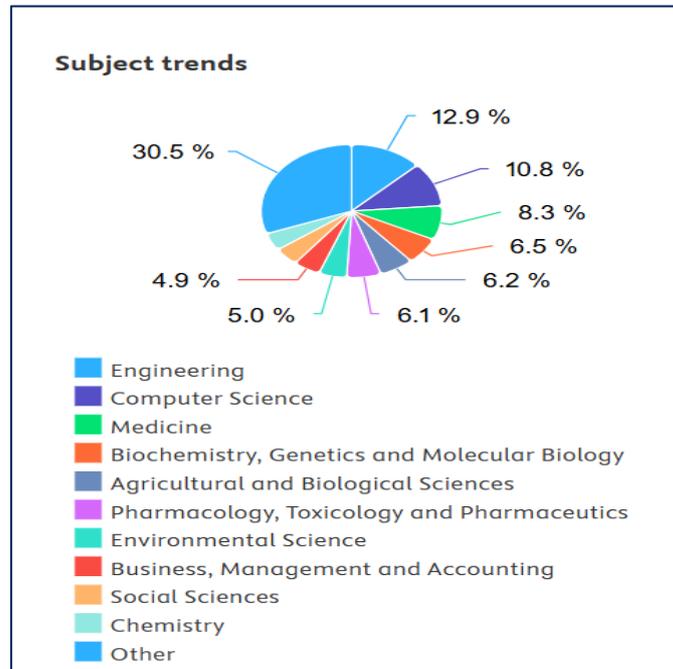
Global Excellency Award By Bhavya Foundation In 2024 Dr Arpita Sharma



Global Excellency Award By Bhavya Foundation In 2024 Dr Varsha Pandey

c) Publication

GD Goenka University Scopus Publication



SDG 15 – Life on Land - Publications – 39



S.No.	Type	Title	Authors	Journal / Book	Year
1	Article	Harnessing cotton fibril decorated ZIF-67 for bio-inspired all-weather sustainable photothermal desalination	Jain, G., Jain, Y., Sikarwar, B.S., Mukherjee, M., Chakrabarti, S.	Chemical Engineering Journal	2025
2	Conference Paper • Open access	Wetland protection and Ramsar Convention: an empirical study of wetlands in Bihar, India	Pandey, S., Bansal, S., Vasmatkar, A.D., Dharangutti, Y.M.	E3s Web of Conferences	2025
3	Review	Responses of natural plastisphere community and zooplankton to microplastic pollution: a review on novel remediation strategies	Rai, M., Dhanker, R., Sharma, N., ..., Du, Z., Mohamed, H.I.	Archives of Microbiology	2025
4	Book Chapter	Cleaning up wastewater through algae and its integration with other processes	Dhanker, R., Yadav, R., Khushboo, ..., Kasere, S., Anshul	Advanced Technologies in Wastewater Treatment Food Pharmaceutical and Chemical Industry	2025
5	Book Chapter	Nanotechnology-based soil improvement and conservation for enhancement of crop production	Patle, T., Tomar, B., Parihar, S.S., Tomar, S.S., Singh, P.K.	Harnessing Nanoomics and Nanozymes for Sustainable Agriculture	2024
6	Review	Nanomaterials and biochar mediated remediation of emerging contaminants	Rajput, P., Kumar, P.V.D., Priya, A.K., ..., Wong, M.H., Rensing, C.	Science of the Total Environment	2024
7	Conference Paper	Helium-Cooled Nuclear Reactors: Powering the Future of Deep Space Exploration	Guyen, U., Goel, E., Gurunadh, V.	Proceedings of the International Astronautical Congress Iac	2024
8	Book Chapter	Impact of nanotoxicity in soil microbiome and its remedial approach	Pandey, B.K., Jha, S., Jha, G., ..., Shukla, S.K., Dikshit, A.	Microbiome Based Decontamination of Environmental Pollutants	2024
9	Book Chapter	Agronomic Strategies for Enhancing Forest Resilience to Climate Change	Kumar, D., Pandey, V., Dixit, S.	Forests and Climate Change Biological Perspectives on Impact Adaptation and Mitigation Strategies	2024

10	Book Chapter	The Soil-Climate Nexus in Forest Ecosystems	Pandey, V., Kumar, D.	Forests and Climate Change Biological Perspectives on Impact Adaptation and Mitigation Strategies	2024
11	Article	Impact Assessment of Water Conservation Measures Using Swat Model For Upper Yamuna River Basin in India	Rathee, R.K., Neelam, Mishra, S.K.	Water and Energy International	2023
12	Book Chapter	Nanoparticle characterization and bioremediation: Prospects for ecological advantages	Ahlawat, J., Pandey, D.K., Chaudhary, R., ..., Parkhe, S.S., Dadheech, P.	Sustainable Utilization of Nanoparticles and Nanofluids in Engineering Applications	2023
13	Article	Bioremediation of polycyclic aromatic hydrocarbons in crude oil by bacterial consortium in soil amended with Eisenia fetida and rhamnolipid	Kumari, S., Gautam, K., Seth, M., Anbumani, S., Manickam, N.	Environmental Science and Pollution Research	2023
14	Book	Genomics Approach to Bioremediation Principles, Tools, and Emerging Technologies	Kumar, V., Bilal, M.Q., Romanholo Ferreira, L.F., Iqbal, H.M.	Genomics to Bioremediation Principles Applications and Perspectives	2023
15	Conference Paper	Nuclear Power Generation Using Modular Helium Cooled Reactors for Sustainable Lunar Bases and Moon Habitats	Guyen, U., Gurunadh, V.	Proceedings of the International Astronautical Congress	2023
16	Article • Open access	Optimal feature selection and invasive weed tunicate swarm algorithm-based hierarchical attention network for text classification	Singh, G., Nagpal, A., Vijendra, S.P.	Connection Science	2023
17	Review • Open access	Nano-Enhanced Microbial Remediation of PAHs Contaminated Soil	Rajput, V.D., Kumari, S., Minkina, T.M., Sushkova, S.N., Mandzhieva, S.S.	Air Soil and Water Research	2023
18	Article	EXPLORING INTRASPECIFIC PROVENANCE VARIATION IN SEED MORPHOLOGICAL TRAITS OF ALBIZIA	Meenakshi, Rana, N.S., Bharti, ..., Sankhyan, N., Ghabru, A.	Journal of Tropical Forest Science	2023

		PROCERA IN MID-HIMALAYAN REGION OF INDIA			
19	Article • Open access	HFCVO-DMN: Henry Fuzzy Competitive Verse Optimizer-Integrated Deep Maxout Network for Incremental Text Classification	Singh, G., Nagpal, A.	Computation	2023
20	Book	Omics for Environmental Engineering and Microbiology Systems	Kumar, V., Garg, V.K., Kumar, S.N., Biswas, J.K.	Omics for Environmental Engineering and Microbiology Systems	2022
21	Article	Bioremediation of metal(loid) cocktail, struvite biosynthesis and plant growth promotion by a versatile bacterial strain <i>Serratia</i> sp. KUJM3: Exploiting environmental co-benefits	Mondal, M., Kumar, V., Bhatnagar, A., ..., Chaudhuri, P., Biswas, J.K.	Environmental Research	2022
22	Article • Open access	Progress in microalgal mediated bioremediation systems for the removal of antibiotics and pharmaceuticals from wastewater	Chandel, N., Ahuja, V., Gurav, R.G., ..., Yang, Y., Bhatia, S.K.	Science of the Total Environment	2022
23	Review • Open access	Biological Approaches Integrating Algae and Bacteria for the Degradation of Wastewater Contaminants—A Review	Mathew, M.M., Khatana, K., Vats, V., ..., Dahms, H.U., Hwang, J.	Frontiers in Microbiology	2022
24	Article	SDG 4 and Program inclusive credit-based MOOCs in Higher Educational Institutions of India (HEIs); Students' perspective	Singh, A., Kakkar, K.B.	Transnational Marketing Journal	2022
25	Book Chapter	Climate uncertainties and biodiversity: An overview	Kamboj, R., Kamboj, S., Kamboj, S., ..., Srivastav, A.L., Gautam, S.P.	Visualization Techniques for Climate Change with Machine Learning and Artificial Intelligence	2022

26	Conference Paper • Open access	Text Classification using Improved IWO-HAN	Singh, G., Nagpal, A., Vijendra, S.P.	Procedia Computer Science	2022
27	Book Chapter	Phytoremediation: A Sustainable Solution to Combat Pollution	Saxena, K., Hussain, T., Dhanker, R., Jain, P., Goyal, S.	Biotechnological Innovations for Environmental Bioremediation	2022
28	Book Chapter	Emerging bioremediation strategies for the removal of pharmaceutical combinations in wastewater	Kumari, S., Singh, R., Mohapatra, B.	Synergistic Approaches for Bioremediation of Environmental Pollutants Recent Advances and Challenges	2022
29	Book Chapter	Decontamination and Management of Industrial Wastewater Using Microorganisms Under Aerobic Condition	Sharma, A., Sharma, S., Singh, C.S., Kumar, V.	Omics Insights in Environmental Bioremediation	2022
30	Book	Omics Insights in Environmental Bioremediation	Kumar, V., Thakur, I.S.	Omics Insights in Environmental Bioremediation	2022
31	Book Chapter	Enzyme Technology for Remediation of Contaminants in the Environment	Parethe, S.S., Romauld, S.I., Pazhamalai, V., Thiruvengadam, S., Kumar, V.	Omics Insights in Environmental Bioremediation	2022
32	Book Chapter	Microbial community and their role in bioremediation of polluted e-waste sites	Dey, S., Shekhawat, M.S., Pandey, D.K., ..., Kumar, V., Dey, A.	Metagenomics to Bioremediation Applications Cutting Edge Tools and Future Outlook	2022
33	Book Chapter	Genetically engineered microbes for bioremediation and phytoremediation of contaminated environment	Arunraja, D., Romauld, S.I., Parthiban, B.D., Thiruvengadam, S., Kumar, V.	Metagenomics to Bioremediation Applications Cutting Edge Tools and Future Outlook	2022
34	Book	Metagenomics to Bioremediation: Applications, Cutting Edge Tools, and Future Outlook	Kumar, V., Bilal, M.Q., Shahi, S.K., Garg, V.K.	Metagenomics to Bioremediation Applications Cutting Edge Tools and Future Outlook	2022

35	Book Chapter	Recent advances in bioremediation by metagenomics-based approach for pharmaceutical derived pollutants	Bhuvaneswari, S., Illakiya Bharathi, K., Rajakumari, K., Kumar, V.	Metagenomics to Bioremediation Applications Cutting Edge Tools and Future Outlook	2022
36	Book Chapter	Science of Microorganisms for the Restoration of Polluted sites for Safe and Healthy Environment	Hussain, T., Dhanker, R.	Microbial Ecology of Wastewater Treatment Plants	2021
37	Conference Paper	Can organic products be sustainable in present business environment?	Alam, A., Jamal Mahmood, S.M.	Proceedings of the International Conference on Industrial Engineering and Operations Management	2021
38	Book Chapter	Sustainable crop production and improvement through bio-prospecting of fungi	Haris, M., Shakeel, A., Ansari, M.S., ..., Khan, A.A., Dhankar, R.	Fungi Bio Prospects in Sustainable Agriculture Environment and Nano Technology Volume 1 Fungal Diversity of Sustainable Agriculture	2020
39	Book Chapter	Advances in fungi: Rejuvenation of polluted sites	Dhanker, R., Tyagi, P., Kamble, S.S., Gupta, D., Hussain, T.	Fungi Bio Prospects in Sustainable Agriculture Environment and Nano Technology Volume 2 Extremophilic Fungi and Myco Mediated Environmental Management	2020

4. Impact and Way Forward

GD Goenka University actively advances SDG 16 by fostering ethical governance, justice education, and inclusive institutional practices. Through strong administrative frameworks, legal awareness initiatives, and community engagement, the University promotes transparency, accountability, and the rule of law. The School of Law's initiatives—such as moot court competitions, legal-aid camps, and policy dialogues—enhance student understanding of justice and civic responsibility. Moving forward, GDGU aims to strengthen stakeholder participation in governance, expand research on ethical institutions and policy reform, and intensify outreach programs that promote peace, equality, and justice within society. These efforts will further reinforce GDGU's role as a model of integrity and institutional excellence in higher education.

17 PARTNERSHIPS FOR THE GOALS



SDG 17: Partnerships for the Goals

GD Goenka University – Sustainability Initiatives and Achievements

1. Introduction

GD Goenka University is firmly committed to advancing the United Nations Sustainable Development Goals, with a strong emphasis on SDG 17, Partnerships for the Goals. The university recognizes that achieving sustainable development requires collaborative action, shared expertise, and long-term relationships with key stakeholders across sectors. Guided by this vision, GD Goenka University actively cultivates partnerships that strengthen institutional capacity, enhance research outcomes, and support impactful initiatives at local, national, and global levels.

The university collaborates with government agencies, healthcare institutions, industry partners, non-governmental organizations, academic institutions, professional bodies, and community-based organizations to address pressing social, economic, and environmental challenges. These alliances enable the university to expand its research capabilities, broaden experiential learning opportunities, and deliver meaningful interventions that contribute to sustainable development.



2. GD Goenka University Initiatives

a) Education

Partnerships are central to achieving Sustainable Development Goal 17, which emphasises cooperation, shared expertise, and resource mobilisation to advance sustainable development. GD Goenka University actively contributes to this goal by fostering academic, industry, and community collaborations that strengthen institutional capacity and global engagement. Through joint research initiatives, faculty training programmes, community outreach, and partnerships with national and international organisations, the University promotes knowledge exchange and collective problem-solving. These collaborations create opportunities for innovation, expand access to global learning experiences, and support the development of inclusive and resilient systems.



By encouraging multi-stakeholder engagement and building long-term, purpose-driven alliances, GD Goenka University reinforces its commitment to supporting the broader Sustainable Development Agenda and contributing to the creation of a more interconnected, sustainable, and globally responsible society.

CURRICULUM ENRICHMENT: ALIGNED WITH SDGs

Supreme Court Museum Visit
19th September 2024 |
Course : Professional Ethics and Professional Accounting System (SLC5704)

Legal Aid Awareness Camp
Endeavors on Rights of Elderly and Persons with Disability
16th September 2022
Course : Law and Society (SLA2708)

5 GENDER EQUALITY

National Symposium on Gender Equality
21st April 2023
Course : Law and Women (DSC 01)

10 REDUCED INEQUALITIES

International Virtual Commercial Arbitration Moot Court Competition in collaboration with CIARB
28-29 November 2020
Course : ADR (SLC4701)

4 QUALITY EDUCATION

Awareness Camp at Bhandisi (School)
29th August 2022 |
Course : Data Protection and Information Privacy (SLH 4747)

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

Celebrations of Constitution Day
26th November 2024
Course : Constitutional Law (SLL 2708)

17 PARTNERSHIPS FOR THE GOALS

NATIONAL SYMPOSIUM ON GENDER EQUALITY: ISSUES & CHALLENGES
2nd April 2022

www.gdgoenkauniversity.com

Through its partnerships, GD Goenka University engages in joint research projects, knowledge exchange programmes, community outreach initiatives, health and wellness collaborations, innovation-driven activities, and capacity-building efforts. These collaborative engagements play a vital role in advancing multiple SDGs, with a strong focus on inclusive development, improved health outcomes, environmental sustainability, and quality education.



The university's commitment to SDG 17 is reflected in the following objectives:

- Strengthening national and international partnerships that support innovation, knowledge creation, and sustainable development.
- Collaborating with academic, industry, and community partners to promote research excellence and evidence-based solutions.
- Enhancing institutional capacity through joint programmes, professional training, and shared resources.
- Empowering students to contribute to sustainable development through exposure to real-world challenges, multidisciplinary learning, and collaborative initiatives.

GD Goenka University remains dedicated to fostering purposeful partnerships that drive collective progress. Through these meaningful collaborations, the university continues to play a leadership role in promoting sustainable development and contributing to the global SDG agenda.

b) Partnership with Young Indians (Yi) for Student Well-being and Leadership

GD Goenka University's School of Management signed an MoU with Young Indians (Yi), an initiative of the Confederation of Indian Industry, on November 14, 2024. This collaboration supports SDG 3 by promoting student well-being through leadership development, skill-building, and engagement in socially responsible projects. The partnership enables students to participate in activities that strengthen confidence, resilience, and mental well-being while encouraging meaningful contributions to society. Through this initiative, the university enhances its capacity to support holistic student development and foster a healthy, empowered youth community.

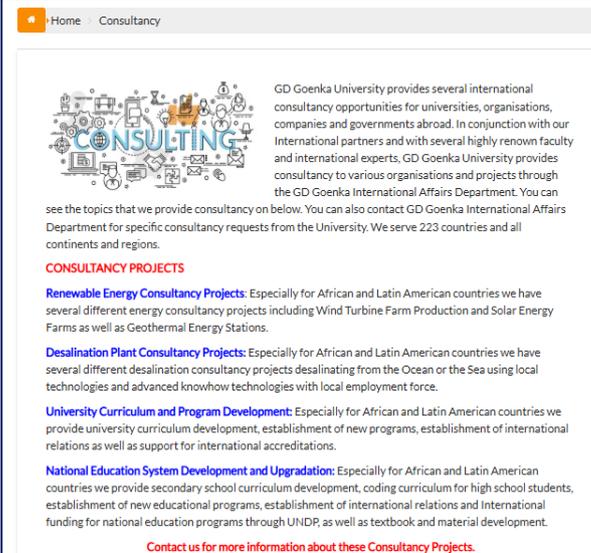


GD Goenka University places strong emphasis on SDG 17, “Partnerships for the Goals,” recognizing that cooperative networks among government bodies, industry, academia, and civil society are essential for sustainable development. The university actively builds these partnerships to mobilize resources, drive innovation, and scale its societal impact.

c) Consultancy Projects

At the national level, GD Goenka University collaborates with government agencies and public institutions in research, consultancy, and policy engagement. For instance, its Centre for Innovation & Entrepreneurship works with the MSME Technology Development Centre, Government of India, to support student-led innovation, promote entrepreneurship, and contribute to regional economic development. [Centre-of-innovation-and-entrepreneurship](#)

The university also undertakes consultancy projects for governments abroad, spanning renewable energy, education systems, and curriculum development, thereby contributing to global development goals. international.gdgoenka-university.com



GD Goenka University provides several international consultancy opportunities for universities, organisations, companies and governments abroad. In conjunction with our International partners and with several highly renowned faculty and international experts, GD Goenka University provides consultancy to various organisations and projects through the GD Goenka International Affairs Department. You can see the topics that we provide consultancy on below. You can also contact GD Goenka International Affairs Department for specific consultancy requests from the University. We serve 223 countries and all continents and regions.

CONSULTANCY PROJECTS

Renewable Energy Consultancy Projects: Especially for African and Latin American countries we have several different energy consultancy projects including Wind Turbine Farm Production and Solar Energy Farms as well as Geothermal Energy Stations.

Desalination Plant Consultancy Projects: Especially for African and Latin American countries we have several different desalination consultancy projects desalinating from the Ocean or the Sea using local technologies and advanced knowhow technologies with local employment force.

University Curriculum and Program Development: Especially for African and Latin American countries we provide university curriculum development, establishment of new programs, establishment of international relations as well as support for international accreditations.

National Education System Development and Upgradation: Especially for African and Latin American countries we provide secondary school curriculum development, coding curriculum for high school students, establishment of new educational programs, establishment of international relations and International funding for national education programs through UNDP, as well as textbook and material development.

[Contact us for more information about these Consultancy Projects.](#)

d) International Partners

On the research front, GD Goenka University maintains a robust international network. Its International Affairs Department facilitates joint PhD programmes, joint conferences, faculty exchanges, and collaborative research projects with global universities. international.gdgoenka-university.com+1 These partnerships enhance the university’s research capacity, foster cross-border knowledge sharing, and promote sustainable innovation.

International Partners

GD GOENKA INTERNATIONAL OFFICE Partnerships for the Goals		GD GOENKA INTERNATIONAL OFFICE Partnerships for the Goals	
Home	Partners	International Students	Student Exchange
AUSTRALIA	<ul style="list-style-type: none"> University of Wollongong Murdoch University University of Deakin University of Western Australia 		
AFGHANISTAN	<ul style="list-style-type: none"> Al Takwa University 		
BENIN	<ul style="list-style-type: none"> Ecole Supérieur LE FAUCON 		
BRAZIL	<ul style="list-style-type: none"> UNESP 		
CANADA	<ul style="list-style-type: none"> Memorial University Seneca College King's University International Business University 		
CHILE	<ul style="list-style-type: none"> Universidad de Magallanes 		
DENMARK	<ul style="list-style-type: none"> The Danish Consortium (DCAC) 		
FINLAND	<ul style="list-style-type: none"> Savonia University 		
FRANCE	<ul style="list-style-type: none"> Le Cordon Bleu International Université Grenoble Alpes (UGA) CESI N Plus I IndoFrench Academic Alliance France 24 		
		INDONESIA	<ul style="list-style-type: none"> IndoFrench Academic Alliance France 24 IPB University
		ITALY	<ul style="list-style-type: none"> Politecnico de Milano University of Bari Politecnico del Marche University of Bergamo
		MALAYSIA	<ul style="list-style-type: none"> Sunway University Management and Science University Science and Technology University (SMST) HEI Malacca Sagaya University
		MOZAMBIQUE	<ul style="list-style-type: none"> University of Rovuma Maputo International University
		SPAIN	<ul style="list-style-type: none"> University of Deusto CEADU
		TAIWAN	<ul style="list-style-type: none"> National Taipei Univ. of Education National Formosa University (NFSU)
		TURKEY	<ul style="list-style-type: none"> Marmara University Ardic University Besiktas University Black Sea Technical University
		UNITED KINGDOM	<ul style="list-style-type: none"> University of Kent University College Birmingham University of East Anglia Nottingham Trent University Leeds Arts University
		UNITED STATES	<ul style="list-style-type: none"> Arizona State University American University Atlantic University California State University (East Bay) National University Ohio State University Chabot Community College UC Riverside UC San Diego UC Santa Cruz (Silicon Valley) University of Arkansas University of Colorado Tennessee University
		UZBEKISTAN	<ul style="list-style-type: none"> Bukhara State Medical Institute Bukhara International University
		VIETNAM	<ul style="list-style-type: none"> EFIT Vietnam



e) Industry Engagement in Skill Development

- Student & Faculty Exchange
- On-Job Training
- Research

Industry Engagement in Skill Development (Industrial Collaboration –MOUs)					
Student & Faculty Exchange		On-Job Training		Research	
	Atlantis University, USA		Al-Taqwa University, Afghanistan		Shri Ramswaroop Memorial University, Uttar Pradesh, India
	University of Kent, UK		Burma Burma Restaurant, Delhi		Medhavi Skills University, Delhi
	Central Pulp and Research Institute, Uttar Pradesh		Park Hospital, Delhi		Sushant University, Gurugram
	FPT University, Vietnam		IBM India Private Limited, Bangalore		Jaipuria School of Business, Delhi
	Management and Science University, Shah Alam, Malaysia		Tulasi Healthcare, Delhi		TRC Law College, Uttar Pradesh

GD Goenka University also demonstrates its commitment to SDG 17 by organizing and participating in multi-stakeholder events. The TLASH 2024 conference — “Transforming Lives Through Adoption of SDGs” — brought together higher education institutions, government agencies, civil society, and industry to foster SDG implementation through teaching, research, and community engagement. [Transforming Lives through Adoption of Sustainable Development Goals](#)



International Conference on Transforming Lives Through Adoption of SDGs: Role of Higher Education Institutions

May, 30 & 31, 2024
 10:00 am to 5:00 pm
 Auditorium, GD Goenka University
 Mode: Blended Mode

SDG 17 emphasizes the importance of strong, collaborative partnerships to accelerate progress toward sustainable development. At GD Goenka University, partnerships form the foundation of our academic vision and institutional growth. The University actively collaborates with national and international universities, industries, government bodies, professional organizations, and community institutions to advance research, innovation, capacity building, and societal development. These partnerships strengthen institutional capabilities, expand knowledge networks, and enhance global learning opportunities for students and faculty.

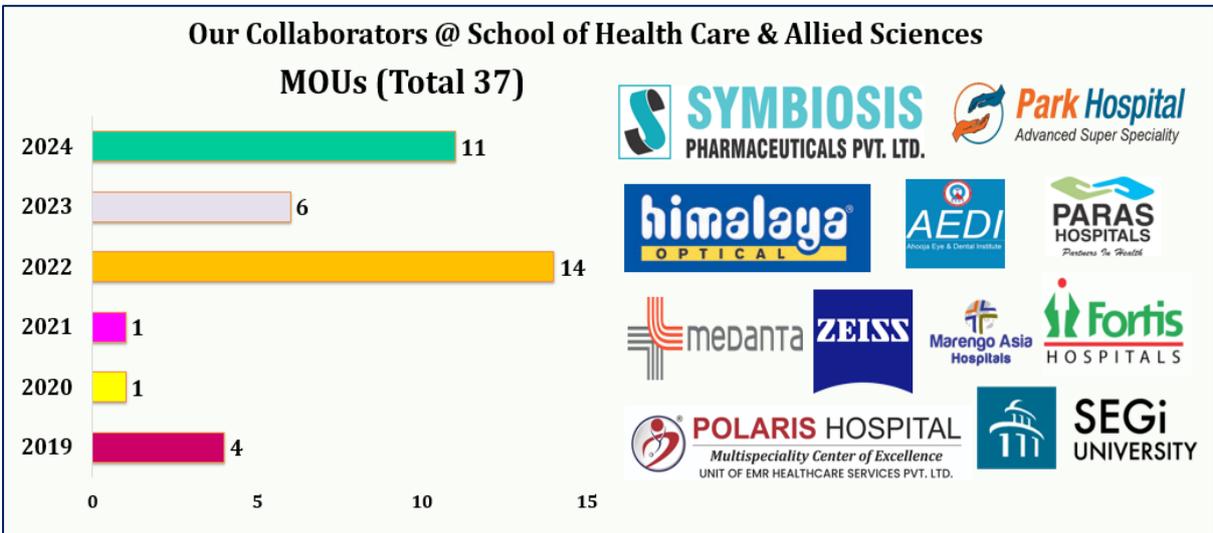
Through initiatives such as joint research projects, faculty exchange programs, interdisciplinary conferences, Memoranda of Understanding with leading industries, and collaborative community outreach, the University fosters a culture of shared responsibility and collective action. Events like TLASH 2024 further demonstrate GD Goenka University’s commitment to global cooperation by bringing together stakeholders from academia, industry, and civil society to exchange ideas and develop actionable strategies aligned with the Sustainable Development Goals.

By promoting transparency, knowledge-sharing, and resource mobilization across sectors, GD Goenka University contributes meaningfully to national and global SDG efforts. The University remains dedicated to strengthening existing alliances while creating new avenues of cooperation that benefit learners, society, and the global development agenda.

f) Partnerships — Government, Industry, Civil Society, And International Academia

By cultivating these partnerships — government, industry, civil society, and international academia — GD Goenka University reinforces its capacity to contribute meaningfully to the SDGs. These collaborative efforts help the university translate academic knowledge into societal solutions, build institutional resilience, and drive collective progress toward a more sustainable and equitable future.





Number of functional MoUs /linkage with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years					
Sr. No.	Year of signing MoU	Name of the organization with whom MOU/Collaboration being signed	Purpose of MOU/Collaboration	List the actual activities under each MOU year-wise	Date of the activity conducted
1	March, 2024	MSME Technology Centre Bhiwadi	Formalize the collaboration between MSME and GDGU to enhance innovation, incubation, production, and research as part of collaborative research .	Workshop by MSME Technology	27-03-2024
2	March, 2024	Northstar Safety Systemz Pvt Ltd	The collaborative research initiative will support cooperative efforts between NSSPL and GDGU to advance Environmental, Health, and Safety (EHS) practices.	Enhancing Workplace Safety Workshop	27-03-2024



3	March, 2024	Park Hospital Sector 47	Park Hospital will set up a free on-campus clinic for students and staff on alternate days as part of an on-the-job training initiative.	Establishment GD Goenka Health and Wellness center	27-03-2024
4	March, 2024	Vision Spring	Vision Spring's project work involves developing and delivering the Eye Screening Course and selecting optometry students for the Lens Lab and internship.	Training & Workshop on the Technology behind Vision Spring's Lens Lab.	27-03-2024
5	March, 2024	Bee Natural Farm	Formalize collaboration between industry and academia for experiential learning in agriculture as part of on-the-job training	Establishment of honey Production unit and ELP student activities in GDGU	22-03-2024
6	February, 2024	Knowledge Steez	Facilitate collaboration on academic training and workshop events in academic research as part of on-the-job training	International Conference on Artificial Intelligence and Digital Technologies by I SaidT	17-02-2024
7	January, 2024	Central Pulp & Paper Research Institute	Support a collaborative exchange program in applied and life sciences as part of student/faculty exchange	Sustainable Advances in Pulp and Paper Workshop	17-01-2024
8	January, 2024	Cedeu University	Formalizing collaboration through a student, faculty, and staff exchange program for teaching and research falls under the student/faculty exchange category	Research Program Session	29-01-2024
9	January, 2024	University of East Anglia	Formalize collaboration between the Faculty Member and Student Exchange Program and student/faculty exchange	Faculty Exchange Activities	18-01-2024
10	January, 2024	Krishi Vigyan Kenda, Gyaba, West Sikkim	The collaboration between the Student "Ready" Program and the Training Centre is categorized as on-the-job training	Educational Tour	15-01-2024
11	January, 2024	Atlantis University	Formalize collaboration between the Faculty Member and Student Exchange Program and student/faculty exchange .	Research Methods Session	28-01-2024
12	December, 2023	Harvard Business School Publishing	The collaboration grants the institution electronic access to HSBP cases and eBooks for UG and PG students, supporting both project work and coursework.	Training Session to access case materials available on the HBSP website	20-12-2023
13	September, 2023	RVS Group of Institutions, Coimbatore	The collaboration focuses on collaborative research to promote education, skills	Interactive lectures on contemporary healthcare practices	28-09-2023

			development, and research initiatives.		
14	September, 2023	The Electronic Sector Skill Council of India	The collaboration focuses on collaborative research to promote education, skills development, and research initiatives.	Hands-on training in electronics and hardware, interactive seminars on industry trends and skill development	27-09-2023
15	September, 2023	Logistics Sector Skill Council, Chennai	The collaboration focuses on collaborative research to promote education, skills development, and research initiatives.	Logistics Skills Workshop	27-09-2023
16	September, 2023	Media and Entertainment Skills Council	The collaboration focuses on collaborative research to promote education, skills development, and research initiatives.	Media and Entertainment Skills Workshop	27-09-2023
17	September, 2023	Automotive Skills Development Council	The collaboration focuses on collaborative research to promote education, skills development, and research initiatives.	Automotive Skills Development Workshop	27-09-2023
18	September, 2023	Maharishi Mahesh Yogi Vedic University, Karoundi, Dist, Katni, MP	The collaboration focuses on collaborative research to promote education, skills development, and research initiatives.	Vedic Wellness Workshop	27-09-2023
19	September, 2023	G.L. Bajaj Institute of Management Greater Noida	The collaboration focuses on collaborative research to promote education, skills development, and research initiatives.	Skill-building exercises on education	28-07-2023
20	September, 2023	Shobhit Institute of Engineering & Technology Deemed to be University, Meerut	The collaboration focuses on collaborative research to promote education, skills development, and research initiatives.	Engineering and Technology Workshop	29-07-2023
21	July, 2023	Memorial Univeristy NewFound	Collaboartion to run joint programs and internship opportunities. This would best fit under the category of on-the-job training .	Conducted a session on training undergraduate students for international exchange program	19.07.2023
22	July, 2023	Akropolis Superspeciality Hospital, Badshahpur, Gurugarm Haryana	The collaboration focuses on-the-job training by offering students medical field courses and internships.	Interactive seminars on current healthcare trends	24-07-2023
23	July, 2023	Upkar Multispeciality Hospital, Sohna Road Gurugram Haryana	The collaboration focuses on-the-job training by offering students medical field courses and internships.	Session on best healthcare practices	24-07-2023
24	July, 2023	Vardan Hospital, Sohna Gurugram Haryana	The collaboration focuses on-the-job training by offering students medical field courses and internships.	Session on best healthcare practices	24-07-2023



25	June, 2023	Bilmed Group of Institutions	The collaboration focuses on developing industry training and placement support for students, emphasizing soft skills, medical technologies, and on-the-job training .	Skill-building exercises	20-06-2023
26	May, 2023	University of Kent	The collaboration implements student mobility, summer schools, articulations, staff exchange, and joint conferences, focusing on student and faculty exchange .	Students enrolled for short term courses.	11-05-2023
27	May, 2023	VMC Management Consulting Pvt Ltd	Collaboration on offering advisory on GHG, carbon footprinting, climate change, and waste management, along with sustainability analytics for resource optimization, decision-making, and brand building falls under project work	Leadership training exercises	17-05-2023
28	March, 2023	INS Hamla, Marve, Malad (W), Mumbai	Collaboration with Ins Hamla on hotel kitchen practices for inclusion in training modules and programs by Le Cordon Bleu and falls under the category of project work	Interactive sessions on basic navigation skills	19-03-2023
29	March, 2023	IBM India Pvt. Ltd.	Collaboration with IBM classroom courses, self-study materials, and other education services falls under project work .	Exercises to analyze data sets, build AI models	30-03-2023
30	February, 2023	ETS India Pvt Ltd	The collaboration between ETS India Pvt Ltd focuses on career counseling for students on studying abroad and training them to prepare for applications, falling under on-the-job training .	Hands-on exercises to develop and evaluate sample test items	19-02-2023
31	February, 2023	ESYA Centre	Consultancy projects, joint academic programs, double degrees, and student practical training fall under the category of project work	Workshops on identifying and addressing mental health issues	19-02-2023
32	February, 2023	Education Brain Pvt. Ltd.	Collaboration on internships, placements, and manage all related correspondence falls under on-the-job training .	Interactive sessions on incorporating technology in the classroom, developing effective lesson plans	26-02-2024
33	February, 2023	Skiz Tech LLP, New Delhi (Apple Technologies)	Collaboration ON T3 Training For Complete Program (8 Semesters) falls under on-the-job training .	Interactive coding session experience with the latest technologies	12-02-2023

34	February, 2023	Cloudthat Technologies Private Limited (Microsoft Gold Learning Partner)	Collaboration to provide quality training and support for Microsoft Azure and related subjects, distribute study materials, and manage all program coordination falls under on-the-job training .	Hands-on workshops using Microsoft Azure tools	25-02-2023
35	December, 2022	KPMG Assurance and Consulting Service	The collaboration involves project work to develop a 90-hour business analytics training program and capstone projects.	Expert talk on Business Analytics	22-12-2022
36	December, 2022	Associated Biotech Baddi	The collaboration involves student/faculty exchange through facilitating dialogue on academic and training interests between staff and students	Conducted a workshop on facilitating ongoing dialogue between staff and students to explore areas of mutual academic and training interest.	26-12-2022
37	November, 2022	Sterlite Technologies Limited	Collaborate on the jointly set the program fee per semester. STL will also manage awareness and marketing campaigns at its own expense. Falls under project work .	Conducted a session on awareness and marketing	19-11-2022
38	November, 2022	Think Ahead (Association of Chartered Certified Accountants)	The collaboration focuses on on-the-job training to provide students with development opportunities in accountancy and finance.	Learning resources access for various modules of ACCA and students clear the examinaion conducted by ACCA.	27-11-2022
39	November, 2022	Callido Learning Pvt Ltd	Collaboarte on a dedicated website section for the university, with application links and featured students, plus the university's statement falls under project work .	Session on Pre-selection and Profiling of Students:	27-11-2022
40	September, 2022	Chartered Institute of Arbitrators (India) - CI Arb	The collaboration with CI Arb India focuses on project work to run elective courses over a five-year period.	Moot Court Competition, 2023	21-10-2022
41	July, 2022	National Skills & Environment Protection Foundation	Develop a sustainable conservation model through awareness, skills, and education in collaboration focusing on project work .	Workshop on 'Possible Intervention on Climate Change and Aatmnirbhar Bharat through Urban Plantation Practices'	30-07-2022
42	July, 2022	Tulasi Healthcare	The purpose of this MoU is to establish a collaborative fellowship program between Parry College and Tulasi Foundation to support and enhance the educational and professional development of psychology students through on-the-job training .	Workshop on Drug Deaddiction	08-08-2022
43	July, 2022	Indira Gandhi Eye Hospital and Research Centre	The collaboration with Indira Gandhi Eye Hospital and Research Centre involves joint	World Glaucoma Day Awareness	24-07-2022

			optometry courses, training, and internships for GDGU students, falling under on-the-job training .		
44	July, 2022	California State University (East Bay)	The collaboration involves collaborative research activities with faculty and student exchange programs, encompassing both collaborative research and student/faculty exchange .	Conducted Collaborative Research and Development Activities	24-07-2022
45	July, 2022	Dalham	Collaboarte Dalham's online liberal education courses for student development and assessment. Falls under project work .	Conducted a session on alternative education courses	25-07-2022
46	April, 2022	CSC Academy	The collaboration with CSC Academy to work on professional learning and specialized courses falls under project work .	Online Training session on entrepreneurship	13-04-2022
47	April, 2022	University College Birmingham	Collaborate progression opportunities for courses at both universities under student/faculty exchange .	Conducted a workshop on potential opportunities for courses between both universities	30-04-2022
48	March, 2022	Al- Taqwa University	Collaboartion to run joint programs and internship opportunities. This would best fit under the category of on-the-job training	Conducted a session on tarining undergraduate students for international exchange program	24.03.2022
49	March, 2022	Politecnico de Milano (Design School)	The collaboration with Politecnico di Milano (Design School) involves a student exchange program over a three-year period, focusing on student/faculty exchange.	Student Exchange for one semester	30-03-2022
50	February, 2022	Studycups Education Private Limited	The collaboration with Enlightening Career Sources Pvt. Ltd. to streamline admissions falls under project work .	Provide counseling and guidance services to prospective students, helping them understand the university's offerings	26-02-2022
51	February, 2022	Dreamz India Education	The collaboration with Enlightening Career Sources Pvt. Ltd. to streamline admissions falls under project work .	Provide counseling and guidance services to prospective students, helping them understand the university's offerings	13-02-2022
52	January, 2022	Enlightening Career Sources Pvt. Ltd.	The collaboration with Enlightening Career Sources Pvt. Ltd. to streamline admissions falls under project work .	Provide counseling and guidance services to prospective students, helping them understand the university's offerings	12-01-2022
53	November, 2021	LSAC Global	LSAC will provide the LSAT India for admissions, and the institution will use these scores for its law degree	National Webinar on SQE	28-11-2021

			programs. This falls under the category of project work		
54	October, 2021	NSE, Mumbai	Collaboration on setting up a Finance Lab for practical training in finance and stock trading. Falls under on-the-job training .	Student Training on Simulating Market Trading	29-10-2021
55	August, 2021	Manthan Eye Institute	Collaboration will provide training and internship opportunities. This would best fit under the category of on-the-job training	Conducted a session on training and internship	27-08-2021
56	August, 2021	Ahojja Eye & Dental Institute	Collaboration will provide training and internship opportunities. This would best fit under the category of on-the-job training	World Optometry Day Celebration: Free Eye Checkup	25-08-2021
57	August, 2021	Arunodaya Deseret Eye Hospital (a unit of Arunodaya Charitable Trust)	Collaboration will provide training and internship opportunities. This would best fit under the category of on-the-job training	Eye Screening Camp	27-08-2021
58	August, 2021	Dayal Optical India Pvt Ltd	Collaboration will provide training and internship opportunities. This would best fit under the category of on-the-job training	Internship Provided	26-08-2021
59	July, 2021	Multi Commodity Exchange of India Limited	The collaboration with Multi Commodity Exchange of India Limited (MCX) to conduct interactive sessions, faculty development programs, and provide MCCP certification, reference materials, and support for online tests and faculty development falls under project work .	Webinar on Commodity Derivatives	27-07-2021
60	July, 2021	FPT University	The collaboration with FPT University for collaborative research activities and a faculty and student exchange program over a seven-year period falls under both collaborative research and student/faculty exchange .	Guest Lecture	23-07-2021
61	June, 2021	SakRobotix Centre of Excellence.	Collaborative activities in academics and research. This would fit best under the category of collaborative research.	Establishment of Robotics Centre of Excellence	20-06-2021
62	June, 2021	CMT Association	The collaboration will focus on innovative teaching and high-quality research and training in finance. This would fall under	Guest lecture on Green Climate Finance, led by a highly esteemed Chartered Market	29-06-2021

			the category of collaborative research	Technician (CMT) professional	
63	June, 2021	ICAR National Bureau of Plant Genetic Resources	Promotion of the sustainable use of plant genetic resources for crops. Falls under collaborative research .	Expert Talk on Biotechnology Welfare	13-06-2021
64	May, 2021	Micro Small and Medium Enterprises (MSME), Technology Development Centre, Government of India	Collaborative activities in academics and research. This would fit best under the category of collaborative research .	Udyami Bazar	27-05-2021
65	March, 2021	Himalaya	Collaboration will provide training and internship opportunities. This would best fit under the category of on-the-job training	Conducted a session on training and internship	14-03-2021
66	March, 2021	Institute for Engineering Research and Publication (IFERP)	The collaboration with the Institute for Engineering Research and Publication (IFERP) to enhance competitiveness through joint publication efforts falls under collaborative research .	Conducted a session on publication ethics	11-03-2021
67	November, 2020	National University	Collaboration for Faculty and student exchange program. This would fit under the category of student/faculty exchange	Conducted a session on student exchange programme	15-11-2020
68	September, 2020	Tuning Rishii	Collaboration of Resource allocation to enhance the internationalization of higher education institutions in India. this would best fit under the category of project work	Made reports on internationalization of higher education institutions in India	23-09-2020
69	July, 2020	American University	Collaboration for Faculty and student exchange program. This would fit under the category of student/faculty exchange	Webinar on student exchange program.	19-07-2020
70	February, 2020	University of Deakin	Academic staff collaboration in research, teaching, educational material exchange, and student mobility programs. This would fall under the category of collaborative research .	Guest Speaker during International Symposium on Routinization on online pedagogy: Opportunities & Challenges	26-02-2020
71	February, 2020	ABC Consultants Private Limited (ABC)	Agreement for placement services to students. This would best fit under the category of on-job training .	Conducted an online session on placement services available with ABC consultants for students of GD Goenka University	20-02-2020

72	December, 2019	Liveon Biolabs Private Limited, Tumakuru	Collabartion on conducting research activities. This would best fit under the category of collaborative research	Conducted a session on the research activities and importance of the same	30-12-2019
73	November, 2019	Seneca College	Collaboration on pathways for GD Goenka business students to Seneca and provide training and seminars in Canada. This would best fit under the category of collaborative research	Conducted a session on Delivery of training programs in the fields of Entrepreneurship	21-11-2019
74	November, 2019	Management and Science University	Facilitate student and faculty exchange program through collaboration. This would fit best under the category of student/faculty exchange	Conducted session on Student and faculty exchange program	24-11-2019
75	November, 2019	Aydin University	Student exchanges, joint research, publications, cultural activities, and academic programs. This would fit best under the category of student/faculty exchange	Conducted a session on Joint conferences and academic programs Joint research activities and publications	26-11-2019
76	April, 2019	Sunway University	Student exchanges, joint research, publications, cultural activities, and academic programs. This would fit best under the category of student/faculty exchange	Conducted a session on Joint conferences and academic programs Joint research activities and publications	30-11-2019
77	September, 2019	Design2Occupancy Services LLP (The Consultant)	Collaboration will focus on sustainable resource activities, including water, waste, and energy. This would best fit under the category of project work .	Conducted a session on how students can conduct internal water audits in the campus	15-09-2019
78	August, 2019	Unica Solutions Pvt Ltd.	Collaboration with Unica Solutions Pvt Ltd as its authorized consultant for admissions guidance. This would best fit under the category of on-the-job training	Conducted sessions on counsellig of students for admissions	29-08-2019
79	August, 2019	Creanovation Labs Pvt. Ltd. (an Innurture Company)	Collaboration will design and deliver job-oriented programs in animation, IT, mobile apps, marketing, and financial services. This would best fit under the category of project work .	Conducted a session on the fields of animation and VFX, Information technology, mobile applications, marketing learship and innovation & financial services.	28-08-2019
80	August, 2019	Shoreline Community College	Establish a collaborative student exchange program. This would fit best under the category of student/faculty exchange	Conducted session on Student and faculty exchange program	25-08-2019
81	August, 2019	Marmara University	Facilitate a student and faculty exchange program through collaboration. This would fit	Conducted session on Student and faculty exchange program	30-08-2019

			best under the category of student/faculty exchange		
82	July, 2019	National Taipei University of Education	Facilitate a student and faculty exchange program through collaboration. This would fit best under the category of student/faculty exchange	Conducted session on Student exchange program	29-07-2019
83	July, 2019	Bezmialem University	Facilitate a student and faculty exchange program through collaboration. This would fit best under the category of student/faculty exchange	Conducted session on Student and faculty exchange program	26-07-2019
84	June, 2019	Remarkable Education Pvt. Ltd	Collaboration will provide career counseling for higher education. This would fit best under the category of on-the-job training .	Conducted a workshop on the formalisation and preparation of competitive examination	24-06-2019
85	June, 2019	M/s. R2MI Ventures Pvt. Ltd. (R2MI)	Grants R2MI sponsorship rights for its activities and events, including annual fests and competitions. This would best fit under the category of project work .	Session on sponsorship of annual fest	18-06-2019
86	April, 2019	AlmaShines Technologies Pvt. Ltd (Almashines)	Collaboration will offer an online platform for institutions to engage their alumni. This would best fit under the category of project work .	Conducted an introductory session for introducing the alumni portal	25-04-2019
87	April, 2019	University of Western Australia	Collaboration on staff and student exchanges, joint research, academic conferences, and material exchange. This would best fit under the category of collaborative research	Conducted a session on Joint teaching programs at the undergraduate and /or postgraduate level	15-03-2019
88	March, 2019	Universite Grenoble Alpes (UGA)	Student exchange program. This would fit best under the category of student/faculty exchange	Conducted session on Student exchange program	25-03-2019
89	February, 2019	University of Wollongong	Collaborate on joint teaching programs and credit transfer/articulation at the undergraduate and/or postgraduate levels. This would best fit under the category of collaborative research	Conducted a session on Joint teaching programs at the undergraduate and /or postgraduate level	21-02-2019
90	February, 2019	Global Infoventures Pvt Ltd- Software as a Service (SAAS) Contract (SIM)	Collaboration will include a software product with an integrated database, modules, and reporting features. This would best fit under the category of project work	Conducted a session on Software database	15-02-2019

91	February, 2019	AIESEC in Delhi IIT	Collaboration to become business unit of AIESEC in Delhi IIT upon achieving 25 exchanges within one year. This would fit under the category of student/faculty exchange .	Conducted an introductory session	27-02-2019
92	February, 2019	M/S ICA EDU Skills Pvt Ltd.	Collaboration will deliver the BCom (H) in Finance & Accounts program. This would fit best under the category of project work .	Guest Lecture delivered on practical skills in the fields of finance and accounting	27-02-2019
93	January, 2019	W Pratiksha group of Hospitals	Empanelment of hospitals for the treatment of employees, students, and their dependents. This would fall under the category of on-the-job training .	Conducted free health check-ups for the employees, students and their dependants at the GD Goenka campus	22-01-2020
94	January, 2019	Navjyoti India Foundation, (NIF), Rohini, Delhi	Collaborative study on NIF-trained rural women in Sohna Block, using a mixed-method approach. This would best fit under the category of collaborative research	Conducted a session on training the rural women of Haryana for sanitation	10-01-2019
95	January, 2019	Girnarssoft Education Services Pvt Ltd.	Formalize collaboration with GESPL, which offers education-related marketing, advertising, e-commerce, and counseling services through www.collegedekho.com. This would best fit under the category of project work	Counseling session in collaboration with Gimarssoft Education Pvt. Ltd. Was conducted for students	31-01-2019
96	January, 2019	Pathfinder Publishing Pvt. Ltd. - Agreement for Recruitment Services	Agreement for placement services. This would best fit under the category of project work	Conducted a session for providing placements to students	11-01-2019
97	September, 2019	Fortis Healthcare Ltd	Collaboration will develop well-trained and high quality human resources in the area of Psychology. This would best fit under the category of on-the-job training	Conducted Vartha Event. The largest counsellor's event in the country	22-08-2019
98	August, 2019	Medanta Institute of Education and Research	Collaboration will develop well-trained and high quality human resources in the area of Psychology. This would best fit under the category of on-the-job training	Conducted a session on training and development of human resources in the Medical Field	20-11-2019
99	December, 2019	College Board's Indian Global Higher Education Alliance	Collaboration on staff and student exchanges, joint research, academic conferences, and material exchange. This would best fit under the category of collaborative research	Conducted a session on Joint teaching programs at the undergraduate and /or postgraduate level	05-12-2019

100	August, 2019	AD Global 360	Collaborate to outline a mutual agreement between students professional promotion. This would best fit under the category of collaborative research	Conducted an advertising session for undergraduate students on strategic business consultancy	03-08-2019
-----	--------------	---------------	--	---	------------

MOUs

GD Goenka University actively collaborates with government bodies, legal institutions, and community organizations to advance justice and institutional capacity-building. Partnerships with entities such as **The Climate Project Foundation (India & South Asia)**, under which GDGU achieved *Gold Category* recognition for its Green Campus Programme (2023), demonstrate its leadership in ethical and sustainable governance.

The **School of Law** regularly hosts **national and international moot court competitions, legal-aid camps, and policy dialogues** in collaboration with industry experts, judiciary members, and NGOs. Through these efforts, GDGU strengthens its societal impact by empowering students, fostering institutional trust, and promoting the rule of law.



MoU with ICAR-NBPGR, New Delhi



MoUs: Enhancing Academic Excellence @ School of Agricultural Sciences		
Name of the Institute/ Organization	Date of MoU Signed	Activities
1. Plantica India Foundation, Uttarakhand	03.06.2024	Educational Tour/RAWE/AIA
2. KVK, Gyaba, West Sikkim	08.05.2024	Educational Tour/RAWE/AIA
3. Bee Natural Farm, Palam Vihar, Gurugram	11.03.2024	Establishment of honey Production unit and ELP student activities in GDGU
4. Sameer Poultry Farm, Haryana, India	19.03.2024	Establishment of Poultry unit and ELP student activities in GDGU
5. Vidya Bhawan Krishi Vigyan Kendra, Badgaon, Udaipur	09.08.2023	Educational Tour/RAWE/AIA
6. ICAR-National Bureau of Plant Genetic Resources	03.07.2021	Expert talk/Educational Tour/ Trainings



PTC lab at ICAR-NBPGR



AIA component of RAWE

g) Student Exchange Programme — GD Goenka University

The Student Exchange Programme at GD Goenka University is a structured initiative designed to provide students with international academic exposure, intercultural learning, and global perspectives. It is facilitated by the GD Goenka International Centre, which supports students through all stages of international mobility, including applications, academic mapping, visa assistance, travel coordination, and credit transfer processes. This ensures a smooth and guided experience for students who wish to explore global learning opportunities.

GD Goenka University has established collaborations with respected international institutions to strengthen student mobility and academic exchange. The University has a formal Memorandum of Understanding with King’s University College in Canada, which enables student and faculty mobility, academic cooperation, and opportunities for joint research. The University has also partnered with the University of Leeds in the United Kingdom, offering opportunities for semester exchanges, summer internships, dissertation projects, and collaborative research activities. These partnerships are publicly documented by the respective universities and media sources.

In addition to academic exchanges, GD Goenka University has collaborated with Edu Brain Overseas to offer paid international internships in the United Arab Emirates, France, Germany, and the United States. This initiative expands global exposure for students across multiple disciplines and enhances their practical learning experience.

Through these international partnerships and mobility programmes, GD Goenka University provides its students with opportunities to engage with global academic systems, develop cross-cultural competencies, and expand their understanding of international issues. The programme also supports academic collaboration, joint research initiatives, and knowledge exchange, thereby contributing to Sustainable Development Goal 17, which emphasizes the importance of global partnerships for sustainable progress.



GD GOENKA INTERNATIONAL OFFICE
FROM FOUNDATION TO FLIGHT

Home Partners International Students **Student Exchange** Faculty Exchange

Home Student Exchange

GD Goenka University students can apply for various student exchange programs abroad to one of our partner universities. Semester exchange programs are usually free of charge and you can apply to spend one semester abroad taking courses. You can also apply for internship projects abroad in our partner universities and organisations. Another option is to go for immersion program abroad for 2 weeks and to receive a certificate or to apply to our Pathway to Abroad Program.



OUTGOING SEMESTER EXCHANGE STUDENTS

All outgoing semester exchange students can get information to see eligibility and apply through here.



OUTGOING INTERNSHIP EXCHANGE STUDENTS

All students for international internship opportunities can get information and apply through here.



INTERNATIONAL IMMERSION PROGRAMS

You can apply for a 2 week immersion program here.



INTERNATIONAL SUMMER SCHOOLS

GD Goenka Students can apply for a summer school in their program. Click to see eligibility and apply.



PATHWAY TO ABROAD STUDY PROGRAM

GD Goenka Students can apply for a pathway to abroad study program in various countries. Click to see eligibility and apply.

h) Identifying and engaging with Local Stakeholders

GD Goenka University actively engages with local stakeholders by collaborating with community groups, institutions, industry, and government agencies. As noted on the sustainability page of the GD Goenka Group, the University has adopted ten villages in the Sohna–Gurugram region for social outreach, legal assistance, and community development activities. This initiative reflects the University’s commitment to building strong partnerships with local communities and ensuring that its programmes align with regional development needs. Such structured engagement supports Sustainable Development Goal 17 by promoting multi-stakeholder collaboration, resource sharing, and coordinated action for sustainable and inclusive growth.

EXTENSION ACTIVITIES AND AWARDS

NATIONAL LOK ADALAT
12th March 2022

PO10 : Legal Aid

PO05: Communication Skills

PO07: Ability to Collaborate

SDG 10: Reduce Inequality

SDG 16: Peace, Justice and Strong Institutions

Course: SLC4701 Alternate Dispute Resolution

www.gdgoenkauniversity.com

ELECTORAL CLUB

PO10: Legal Aid
PO05: Communication Skills
PO07: Ability to Collaborate

SDG 3: Good Health and Well-Being
SDG 16: Peace, Justice and Strong Institutions

Course: SLL2705 Constitutional Law-I

Centres of Excellence

- Centre for IPR
- Rezwan Razack Centre for Numismatic Studies and Research
- Centre for Corporate Law and Policy
- Centre for Conflict Resolution

An ICSSB Sponsored National Seminar on Enhancing Privacy Protection in the Digital Age: Legal Challenges & Innovations.

24th-25th January 2025

Indus Confluence 2025: Connecting Leaders & Learners

26th March, 2025

INAUGURAL CEREMONY

8th March 2025

NIPAM

8th March 2025

3. Research and Publications

a) Research

Research at GD Goenka University plays a significant role in advancing the objectives of Sustainable Development Goal 17 (Partnerships for the Goals). Under the leadership of the Department of Research and Development, the University promotes interdisciplinary research that strengthens partnerships at the global, national, and regional levels. These initiatives emphasize collaborative problem-solving, capacity building, knowledge exchange, and multi-stakeholder cooperation with academic institutions, industries, community groups, and government agencies.

Faculty members and research scholars from all eight schools of the University—including the School of Liberal Arts, School of Law, School of Engineering, School of Management, School of Hospitality, School of Agricultural Sciences, School of Health Care and Allied Sciences, and the University Institute of Design—actively participate in partnership-driven research projects. These collaborations explore themes such as sustainable development, technological innovation, public health and well-being, agricultural and food sustainability, governance and policy, design-led solutions, and global cooperation.

Through co-authored research publications, multi-institutional conferences, shared research facilities, resource exchange, and international academic partnerships, GD Goenka University contributes to strengthening global knowledge networks. These efforts enhance institutional cooperation, promote innovation through collective expertise, and expand the University’s role in addressing societal challenges through collaborative research.

By fostering interdisciplinary partnerships and encouraging research alliances across sectors, GD Goenka University supports the core philosophy of Sustainable Development Goal 17—uniting diverse stakeholders to generate shared solutions and accelerate progress toward sustainable and inclusive development.

<h2 style="text-align: center;">Research (At a Glance)</h2> 				
Research Seed Grant 3.40 Crores INR	Sponsored Research Grant 21.56 Crores INR	Sponsored Research Projects 299	Patents Published 111	Patents Awarded 16
Research Innovation Awards 65	Published Research Articles 1125	Books and Book Chapters 1542	Citations Index 8.3	H-index 38
JRF, SRF 252	PhD Awarded 238	Extension Activities 157	Functional MoUs 81	Incentives for Publications 10.12 Lakhs INR
Revenue Generated form Consultancy/ Corporate Training 6.81 Crores INR		Incentives for Patents 2.19 Lakhs INR	Teachers Received National/International Fellowship/Financial Support 134	





Publication Incentives Ceremony 2023

Publication Incentives Ceremony 2021

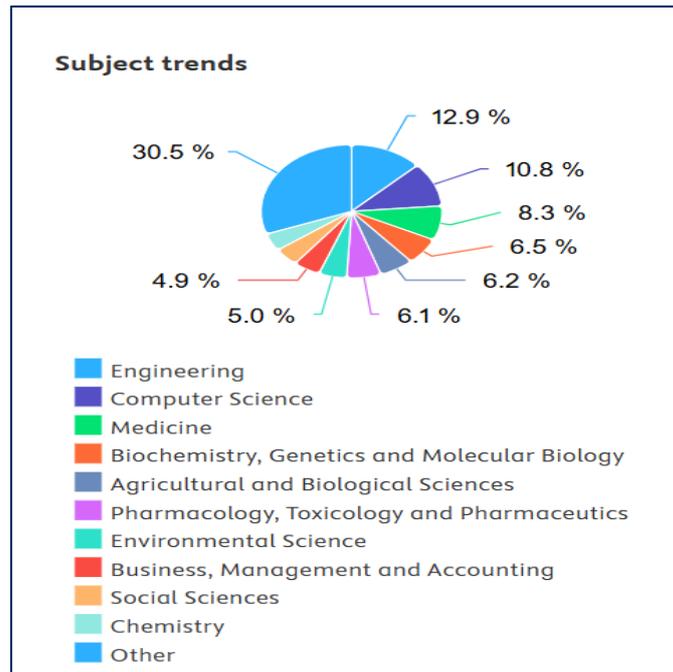


Research Orientation Workshop March 2023

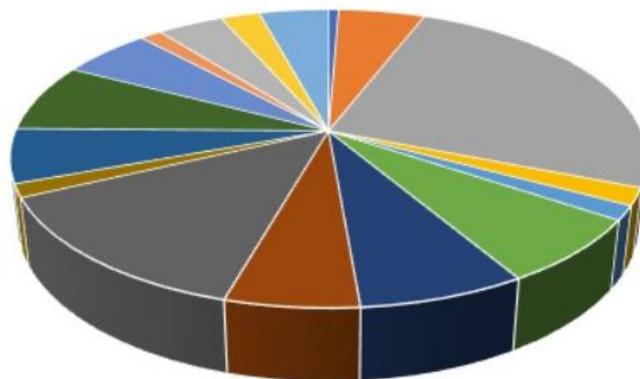


c) Publication

GD Goenka University Scopus Publication



Research Publication -2023-24



- SDG-1
- SDG-2
- SDG-3
- SDG-4
- SDG-5
- SDG-6
- SDG-7
- SDG-8
- SDG-9
- SDG-10
- SDG-11
- SDG-12
- SDG-13
- SDG-14
- SDG-15
- SDG-16
- SDG-17



SDG 17 – Partnerships for the Goals - Publications - 41					
S.No.	Type	Title	Authors	Journal / Book	Year
1	Article	Pythagorean fuzzy decision-making framework for assessing the alternative strategies in urban mobility with digital carbon footprint	Devi, S., Kumari, R.	Journal of Ambient Intelligence and Humanized Computing	2025
2	Book Chapter	Intellectual property and energy efficiency in food safety: Legal protections for innovations in India	Singh, A., Rana, S., Tiwari, P., Kaushik, K.	Energy Efficient Technologies for Food Safety Quality and Security	2025
3	Article	Pharmaceutical Patents, Generic Drugs, And Competition Laws In India: Policy Pathways For Equitable Healthcare Access And Development	Banerjee, P., Sangwan, D.	Journal of Applied Bioanalysis	2025
4	Article	Modelling of critical success factors for procurement of AI systems: a study in the purview of the Indian public sector	Singh, S., Mittal, R., Sinha, P.	Journal of Public Procurement	2025
5	Book Chapter	Empowering change through the transformative impact of women green entrepreneurs on our sustainable future	Ahmed, N.	Empowering Women Through Rural Sustainable Development and Entrepreneurship	2024
6	Book Chapter	Agriculture policies and regulations for application of biogenic products	Parihar, S.S., Tomar, B., Patle, T., Malik, V., Gupta, S.	Sustainable Agriculture Nanotechnology Biotechnology Management and Food Security	2024
7	Conference Paper • Open access	Green Materials for Sustainable Water Desalination: Nanocomposite Membranes	Sharma, G., Singh, R., Kaur, P., ..., Lavanya, C., Shradhey	E3s Web of Conferences	2024
8	Conference Paper • Open access	Recycling of Solar Panels: Sustainable Disposal of Photovoltaic Materials	Gera, R., Singh, H., Ikram, M., ..., Prasad Raju, V.S., Kampani, S.	E3s Web of Conferences	2024

9	Article	Groundwater Resilience in Rice-Growing Regions: Utilizing GRACE Data for Sustainable Water Management	Neelam, Rathee, R.K., Mishra, S.K., Kumar, A.	Water and Energy International	2024
10	Conference Paper • Open access	Life Cycle Analysis of Energy Storage Technologies: A Comparative Study	Sanduru, B.T., Dhyan, M., Thakur, R., ..., Bhardwaj, N., Talukdar, S.	E3s Web of Conferences	2024
11	Review • Open access	Pesticides impacts on human health and the environment with their mechanisms of action and possible countermeasures	Ahmad, M.F., Ahmad, F.A., A Alsayegh, A.A., ..., Abdelrahman, M.H., Hussain, S.	Heliyon	2024
12	Article	Interval-valued intuitionistic fuzzy AROMAN method and its application in sustainable wastewater treatment technology selection	Alrasheedi, A.F., Mishra, A.R., Pamucar, D.S.S., Devi, S., Cavallaro, F.	Journal of Intelligent and Fuzzy Systems	2024
13	Conference Paper • Open access	The Economic Viability of Smart Home Investments: A Cost-Benefit Analysis	Larionova, Y.V., Sharma, D., Nijhawan, G., Kumari, N., Devi, S.	Bio Web of Conferences	2024
14	Conference Paper • Open access	Using the IoT Sustainability Assessment Test to Assess Urban Sustainability	Kankhva, V.S., Ikram, M., Bahl, A., Acharya, P., Parik, K.	Bio Web of Conferences	2024
15	Conference Paper • Open access	I. COMMUNITY ENGAGEMENT IN SMART CITIES: A SOCIAL NETWORK ANALYSIS AND COMMUNITY ENGAGEMENT TEST	Vafaeva, K.M., Ghalwan, M., Surekha, P., Nangia, R., Bharadwaj, D.	Bio Web of Conferences	2024
16	Conference Paper • Open access	Leveraging Big Data Analytics for Urban Planning: A Study Using the Big Data Analytics Efficiency Test	Vasilyeva, E., Singh, R., Sobti, R., ..., Sharma, R., Surekha, P.	Bio Web of Conferences	2024
17	Conference Paper	Blueprint for a Commercial Spaceport in the United Arab Emirates: A Springboard for Innovation and Economic Growth in the Space Industry	Guven, U., Goel, E.	Proceedings of the International Astronautical Congress Iac	2024
18	Article	Exploring the drivers and barriers to the non-formal education in Anganwadi centers for sustainable development education: a multiple stakeholder study	Garg, R., Chhikara, R., Kataria, A., Agrawal, G.	International Journal of Inclusive Education	2024



19	Article	Making frugal innovations inclusive: A gendered approach	Girija, S., Banerji, B., Batra, N., Paruchuru, M., Yeediballi, T.	Journal of Cleaner Production	2024
20	Book Chapter	Agronomic Strategies for Enhancing Forest Resilience to Climate Change	Kumar, D., Pandey, V., Dixit, S.	Forests and Climate Change Biological Perspectives on Impact Adaptation and Mitigation Strategies	2024
21	Book Chapter	The Soil-Climate Nexus in Forest Ecosystems	Pandey, V., Kumar, D.	Forests and Climate Change Biological Perspectives on Impact Adaptation and Mitigation Strategies	2024
22	Conference Paper	Lunar Mining Potential for Helium 3 for Unlimited Energy on the Moon and Earth	Guyen, U., Goel, E.	Proceedings of the International Astronautical Congress Iac	2024
23	Book Chapter	Analyzing destination attractiveness through importance-performance analysis: Comparative analysis of religious sites Kedarnath and Omkareshwar	Singh, K., Sharma, R., Singh, S.V.	Management and Practices of Pilgrimage Tourism and Hospitality	2023
24	Article	Understanding the Legacy of the Gulf Cooperation Council and Turkey on Bangladesh Politics	Sanyal, P.	Journal of Asian and African Studies	2023
25	Article	Culture, Compliance, Collaboration led Green Entrepreneurship for Environment Protection	Prasad, M., Jha, A.	Indian Journal of Environmental Protection	2023
26	Book	Genomics Approach to Bioremediation Principles, Tools, and Emerging Technologies	Kumar, V., Bilal, M.Q., Romanholo Ferreira, L.F., Iqbal, H.M.	Genomics to Bioremediation Principles Applications and Perspectives	2023
27	Article	Impact of Crop Residue Burning on Groundwater Storage and Air-Quality	Neelam, Rathee, R.K., Kumar, A.	Water and Energy International	2023

28	Article	Investigating the Role of Psychological Capital as a Mediating Variable in the Relationship between Sustainability Orientation and Entrepreneurial Intensity	Sisodia, S., Jan, S.	Sustainability and Climate Change	2022
29	Article	Sustainable consumption practices in Indian households: a saga of environment management linked to Indian ethos and generational differences	Kaur, J., Mogaji, E., Wadera, D., Gupta, S.	Society and Business Review	2022
30	Article	Dynamics of Economic Integration in Asia Pacific: from Multilateralism to Regionalism to Bilateralism	Mangla, S.K., Gupta, R., Jain, N., ..., Ponnampereuma, S., Katyal, S.	Thammasat Review	2022
31	Article	A Method for Characterization and Performance Evaluation of Differential Pressure Transducer by Using Twin-Piston Pressure Balance	Chanchal, Zafer, A., Kumar Singh, R.K.B., ..., Kumar, L., Yadav, S.	Mapan Journal of Metrology Society of India	2022
32	Article	Trade Protection Measures Implemented by Sri Lanka During the Past Three Decades	Ponnampereuma, S., Katyal, S., Mangla, S.K.	Thailand and the World Economy	2022
33	Article • Open access	Integrated Climate Action Planning (ICLAP) in Asia-Pacific Cities: Analytical Modelling for Collaborative Decision Making	Sethi, M., Liu, L., Ayaragarnchanakul, E., ..., Surjan, A.K., Mittal, S.	Atmosphere	2022
34	Conference Paper	AFFORDABLE HOUSING- A SUSTAINABLE PERSPECTIVE	Sarkar, D., Kapoor, M.K.	Zemch International Conference	2022
35	Article	SDG 4 and Program inclusive credit-based MOOCs in Higher Educational Institutions of India (HEIs); Students' perspective	Singh, A., Kakkar, K.B.	Transnational Marketing Journal	2022
36	Article	De-stressing water-stressed India: Lessons from ancient scriptures to contemporary management practices	Sinha, G.K., Ray, A.S., Mishra, S.K.	Indian Journal of Economics and Business	2021
37	Article	Review of Concepts, Tools and Indices for the Assessment of Urban Quality of Life	Mittal, S., Chadchan, J., Mishra, S.K.	Social Indicators Research	2020
38	Article • Open access	Case studies of sustainable road transport practices in different industry sectors in India	Khandelwal, A.	International Journal of Mathematical Engineering and	2020

				Management Sciences	
39	Book Chapter	Smart and livable cities: Opportunities to enhance quality of life and realize multiple co-benefits	Mittal, S., Sethi, M.	Exploring Urban Change in South Asia	2018
40	Article	Recent innovative measures across different functions in the Indian hospitality industry: A case study from Accor Hotels	Sen, K., Kaushik, T.	Worldwide Hospitality and Tourism Themes	2016
41	Article	Understanding the challenges and strategic actions of social entrepreneurship at base of the pyramid	Goyal, S., Sergi, B.S., Jaiswal, M.P.	Management Decision	2016

4. Impact and Way Forward

GD Goenka University's commitment to Sustainable Development Goal 17 has resulted in meaningful collaborations that enhance academic quality, strengthen institutional capacity, and expand global engagement. Through national and international partnerships, the University has improved access to shared research platforms, increased student and faculty mobility, and fostered multidisciplinary innovation. Community collaborations, industry linkages, and government partnerships have further contributed to regional development and knowledge exchange, creating a wider ecosystem of collective growth.

Moving forward, the University aims to diversify its global network, deepen long-term institutional alliances, and expand partnership-driven research that addresses contemporary societal challenges. Greater emphasis will be placed on strengthening community-based initiatives, enhancing collaborative teaching and internship programmes, and promoting cross-sector dialogue for sustainable development. These efforts will enable GD Goenka University to reinforce its role as a leading institution that advances Sustainable Development Goal 17 through cooperation, inclusivity, and shared progress.