

4 QUALITY 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 *Bandhwari* 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
Bhondal (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)

www.gdgoenkauniversity.com

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

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.



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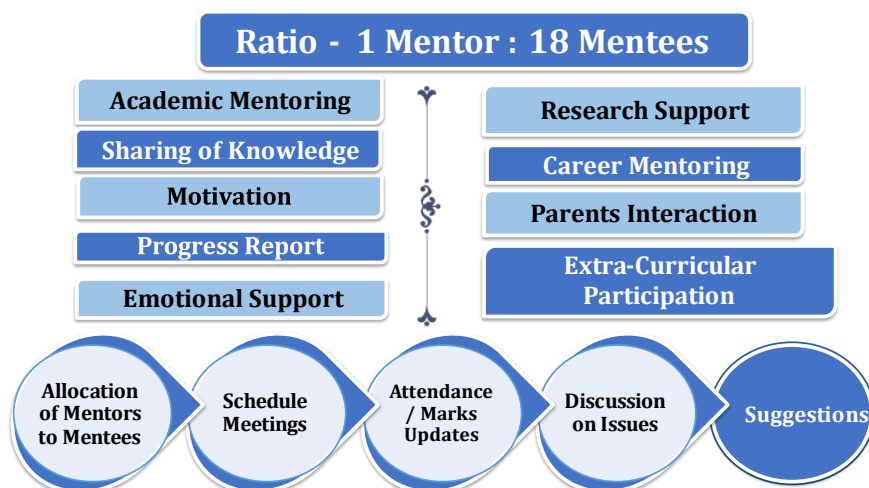
Metric 2.3.2:

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

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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

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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

- 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

Phase-II 2025-27

- 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

Phase-III 2027-29

- 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

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ACHIEVEMENT & RECOGNITION



NIRF Ranking 2025 - Ranked 90 in Pharmacy



Gold Recognition under the Green Campus Programme AY- 2025-26



Part of the United Nations Academic Impact (UNAI) Program, joining over 1,700 institutions worldwide in advancing.



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



Certified Great Place to Work for Excellence and Employee Satisfaction



Times Higher Education Impact Ranking Score Sheet 2025





Global Exposure to Students Academic Partnerships through UID



UID
Ignite your ambition



POLITECNICO
MILANO 1863



All Design Programmes



NOTTINGHAM
TRENT UNIVERSITY



Global Design
Programme



#GrowWithGoenka



A Parisian Partnership

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



35 Campuses | 20 Countries



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

- 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.
- 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:
 - dialogue between staff and students in relation to area of possible mutual academic and training interest; and
 - the provision of a forum for the dissemination of information and experience among staff and students.
 - using the existing infrastructure & resources for preparing competent man powers in various areas of pharmaceutical sciences like Manufacturing, QA, QC and clinical research.
- AGREEMENT**
Through frequent communication, the parties may:
 - 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. Nalagarh, 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

Aarvy Healthcare Private Limited, incorporated under the corporate act having its registered office in Sector - 90, Gurgaon, Haryana - 122505 (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:

- 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.
- Hospital owns and operates healthcare and research services under the brand name Aarvy Healthcare Private Limited.

INDIA NON JUDICIAL
Government of Karnataka

e-Stamp

Certificate No. : IK-KA96027964390835W
Certificate Issued Date : 10-01-2024
Account Reference : NONJAC/INTL/EXT/108/INDIRA NAGAR/KA-SV
Unique Doc. Reference : SUBIN-KAKACRSF/0857131241947339W
Purchased by : Carl Zeiss India (Bangalore) Pvt. Ltd
Description of Document : Agreement (in any other cases) (SU) 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. IK-KA96027964390835W forms an Integral Part of Agreement Between G.D Goenka University And Carl Zeiss India (Bangalore) Pvt. Ltd

Document Signed by: **Aditya Kumar**
Document Signed by: **Aditya Kumar**
Document Signed by: **Aditya 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:

- 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.
- 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 Amritsar, Lucknow, Sohna and Gurugram.
- 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:

- B.Optomtry 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

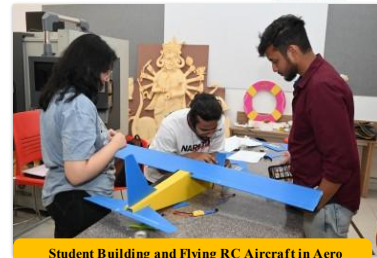
Centre of Excellence



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 1. Project Title: Modelling 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 SNeIa is obtained through their Light Curves (LC) and spectrum. LC shows the variation of the brightness of SNI with time. However, there are gaps in understanding of the SNeIa 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 Theraonostic Chitosan-PGA Nanoparticles for Brain Cancer Diagnosis and Treatment' Grant amount: Rs. 41,00360/- (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 Aptamer-grafted-RGD Receptor Targeted Theraonostic Chitosan-PGA Nanoparticles for Brain Cancer Diagnosis and Treatment Investigators - PI: Dr. Rahul Pratap Singh Amount - ₹ 41,00,360.00 Date of submission - 2019 Status - In Progress
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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 Mewat 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 (ICCIT)	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.