



O.P. JINDAL GLOBAL
[INSTITUTION OF EMINENCE DEEMED TO BE]
UNIVERSITY

A Private University Promoting Public Service

Sustainable Development Report 2026





JGU MISSION

Building the Future of
India and the World



JGU VISION

A World-Class University
Creating Global Leaders

CORE VALUES

Impact

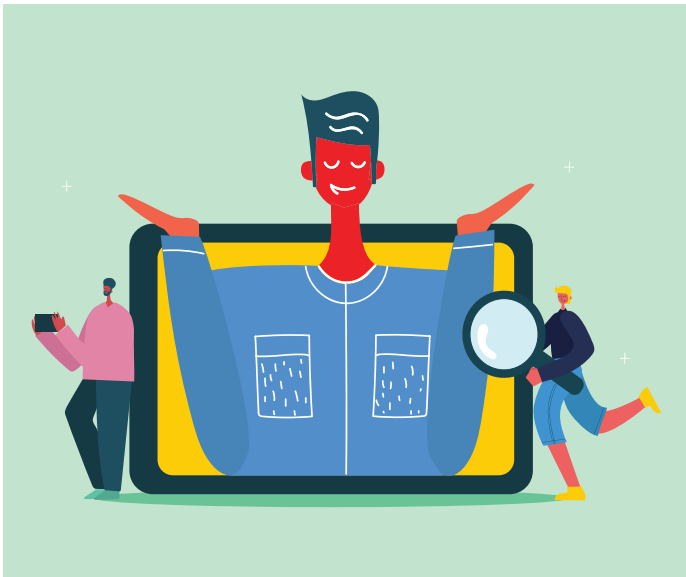
Diversity

Excellence

Academic Freedom

Sustainability





CHANCELLOR'S MESSAGE

Mr. Naveen Jindal

Chancellor

O.P. Jindal Global University



In an era defined by unprecedented global challenges, universities must rise beyond traditional boundaries and become architects of sustainable transformation. At O.P. Jindal Global University, sustainability is not a parallel agenda; it is central to our institutional identity and global responsibility. The SDR 2026 reflects our evolving journey as a globally engaged university committed to advancing the Sustainable Development Goals through research excellence, policy leadership, and collaborative action. Guided by the enduring principles of social justice, innovation, and ethical governance, we continue to align knowledge with impact and ambition with accountability.

As we look ahead, JGU remains resolute in strengthening global partnerships, nurturing future-ready leaders, and contributing meaningfully to the collective pursuit of a just, inclusive, and climate-resilient world.

PROLOGUE FROM THE VICE CHANCELLOR

Professor (Dr.) C. Raj Kumar

Vice Chancellor

O.P. Jindal Global University

The SDR 2026 is a testament to JGU's ambition to influence the global discourse and response to sustainability. Over the last few years, we have strengthened interdisciplinary engagement, international partnerships, and the integration of sustainability into the very fabric of our academic and operational systems.

We aim for systemic change and inspire our students and faculty to respond to the world's most pressing challenges with boldness and imagination. As a global university in India and of the world, JGU remains committed to its mission to use education as a powerful tool for the stewardship of our planet and the promotion of shared prosperity. The road ahead requires our collective determination, and we remain committed to leading with vision, purpose, and impact.



PREFACE FROM THE REGISTRAR

Professor Dabiru Sridhar Patnaik

Registrar

O.P. Jindal Global University



At JGU, sustainability is embedded in our institutional planning, infrastructure development, resource management, and administrative practices. Our strategy acknowledges that sustainability cannot be achieved without a measurable framework and responsible systems in place. In our efforts to make sustainability a reality, we continue to enhance mechanisms related to energy efficiency, waste management, inclusive policies, and responsible procurement practices.

The SDR 2026 illustrates how governance, when focused on global agendas like the Sustainable Development Goals, can be a catalyst for change. At JGU, we remain committed to creating a university ecosystem that is efficient, transparent, and globally responsive through responsible governance and strategic planning.

FOREWORD FROM THE DEAN OF ACADEMIC GOVERNANCE

Professor R. Padmanabha

Dean, Academic Governance

O.P. Jindal Global University

As the head of the Office of Sustainability, I am proud to present our latest Sustainable Development Report, which reaffirms JGU's commitment to embedding sustainability within our intellectual and administrative core. By integrating the UN 2030 Agenda through academic and community-led initiatives, we continue to foster a culture of global stewardship and conscious management. The SDR 2026 celebrates our dedication to ensuring that academic excellence and environmental outcomes progress together. These policies reflect our alignment at every level, cementing JGU's position as a global leader in transformative higher education.



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INTRODUCTION TO THE SUSTAINABLE DEVELOPMENT REPORT 2026

2025 marked the 10th anniversary of the adoption of the Sustainable Development Goals (SDGs). The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provided a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart are the Sustainable Development Goals (SDGs), an urgent universal call for action which recognize that these goals must be integrated because action in one area will affect outcomes in others. Development must balance social, economic and environmental sustainability.

At O.P. Jindal Global University (JGU), we believe that Higher Education Institutions (HEIs) play a crucial role in clearing the path for implementing the goals across the world. Universities are uniquely positioned to augment the efforts of the world in addressing each of the challenges that nations face in their efforts to implement the SDGs. As it is universities that create a launchpad for future

leaders, we can make a positive impact through the means of teaching and learning; research; engagement; and governance and administration. With every progressive step we take at JGU, we realize that we are also creating a lasting impact on the minds of future decision makers pursuing education in our custodianship.

The policies we introduce, the culture we envisage also impact our local communities, our partners, and other external stakeholders. With every innovation and investment into a sustainable future we make, we aim to serve as the kind of incubation centres the world needs, to address humanity's mounting challenges of rebalancing society and the natural environment in a time-bound manner. We hope that this yearly progress report serves as a spark of inspiration for its readers, by bringing together disparate ideas, initiatives and best practices which have made an impact to our community of stakeholders.

THE OFFICE OF SUSTAINABILITY AT JGU

At O.P. Jindal Global University, sustainability is one of our five core values. As a multi-disciplinary and research-oriented university, JGU's mission is harmoniously attuned to the need to implement the 17 SDGs. From responding to the global challenges through relevant interdisciplinary curriculum and cutting-edge research, adopting sustainable solutions for campus infrastructure, following policies to promote gender equality, non-discrimination & safety at work, establishing attractive conditions to ensure decent work for all to empowering local communities and forging partnerships with global organisations, JGU has integrated all the social, economic and environmental perspectives of the SDGs in its functioning.

Conceived in 2024 under the aegis of Professor Padmanabha Ramanujam, Dean of Academic Governance, the Office of Sustainability is composed entirely of JGU alumni representing a wide range of academic and professional backgrounds. The team brings together expertise spanning:

- **Sustainability & Environmental Science**
- **Legal Studies and International Relations**
- **Business & Analytics**
- **Liberal Arts**
- **Public Policy & Governance**

This multidisciplinary composition has fostered a dynamic culture of innovation and creative problem-solving that reflects JGU's broader academic and administrative ethos. The Office has played a pivotal role in advancing JGU's institutional sustainability agenda.



THREE PILLARS OF THE OFFICE OF SUSTAINABILITY AT JGU



CLIMATE ACTION

- Behavioural responses
- Climate resilience
- Energy transition
- GHG Emissions reduction
- Green-building



SUSTAINABILITY

- Biodiversity
- Circular economy
- Measurement and reporting
- Waste diversion from landfills
- Resource management



IMPACT

- Accessibility and inclusivity
- Community wellbeing
- Cross-sectoral dialogue
- International partnerships
- Stakeholder engagement



KEY HIGHLIGHTS

2.4 MW

of on-site
**Solar
Photovoltaic
(PV)**



5 Star

Rating in
Environmental
Impact



100%

Increase in
Renewable
Energy
Generation in
1 Year



12000+

Trees



\$3,420,782

In Funding for Ongoing
SDG Projects



35%

of Vehicle Fleet
is Electric

88

Globally in THE's
Impact Rankings
for SDG 12



THE YEAR IN REVIEW

GLOBAL ENGAGEMENT: MEMBERSHIPS AND RANKINGS

CANIE: Climate Action Network for International Educators



JGU became a Signatory to the CANIE Accord, a public commitment to climate action that was developed in consultation with leaders from international education peak bodies, associations, higher education institutions, university networks, media, national governments, corporations, supranational bodies, scholarship bodies, and more. The CANIE Accord, and accompanying Glasgow Paper, represent the international education sector's climate ambitions, and commitment to align with scientific recommendations and global climate agreements.

Benchmarking ourselves, building lasting global partnerships for multi-sectoral collaboration, and sharing best practices are some of the key activities carried out by the Office of Sustainability at JGU. This practice has consistently helped us establish baselines, define best practices for our policies and procedures, as well as identify opportunities.

Higher Education Sustainability Initiative (HESI)



The Higher Education Sustainability Initiative (HESI), launched in the lead-up to the Rio+20 Conference in 2012 as an open partnership between several United Nations entities and the higher education community, aims to enhance the role of the higher education sector in advancing sustainable development by facilitating multi-stakeholder discussions, actions, and the dissemination of best practices.

Nature Positive Universities



Nature Positive Universities is a growing network of people from over 700 higher education institutions across the world, working together to promote nature on our campuses, in our supply chains and within our cities and communities. We were founded by UNEP and University of Oxford in partnership with the UN Decade on Ecosystem Restoration.

UNAI



UNAI engages institutions of higher education with the United Nations in supporting and contributing, through research and education, to the realization of the Organization's values, goals and mandates, namely through the Sustainable Development Goals and the ten UNAI Principles.

TIMES HIGHER EDUCATION IMPACT RANKINGS



The Times Higher Education (THE) Impact Rankings are the only global performance tables that assess universities against the United Nations SDGs, using indicators across four broad areas: research, stewardship, outreach and teaching.

With a score of 83.2, JGU is ranked 88th in the world for SDG 12: Responsible Consumption & Production, and in the top 401-600 bracket in the overall THE Impact Rankings.

The below diagram showcases our three best performing SDGs by score, in the previous three editions of the THE Impact Ranking.





5

Star Rating for

Environmental Impact

in the QS Stars Ratings 2025



QS Stars is a comprehensive global rating system that evaluates universities on more than 50 indicators across at least 9 categories, offering a multidimensional perspective of excellence in higher education, highlighting institutional excellence across diverse aspects of higher education.

We were awarded the 5-Star Excellent Rating for Environmental Impact in the QS Stars Ratings 2025. This recognition highlights JGU’s commitment to creating a greener future and contributing to the United Nations Sustainable Development Goals through biodiversity and healthy ecosystems. Sustainability is embedded in JGU’s operations through responsible funding, procurement, and climate-conscious practices. The Office of Sustainability tracks and reduces emissions, minimises waste and advances community engagement, while the Jindal School of Environment & Sustainability (JSES) drives research and innovation aligned with the UN Sustainable Development Goals.

JGU was also conferred the overall global QS 5 Stars Rating Certificate at the exclusive India-UK Roundtable on ‘The Innovation Corridor: UK-India Higher Education’ held at the House of Lords, Palace of Westminster, UK, on September 24.



IMAANDAAR



(INTERNATIONAL MOOTING ACADEMY FOR ADVOCACY, NEGOTIATION, DISPUTE ADJUDICATION, ARBITRATION & RESOLUTION)

IMAANDAAR (International Mooting Academy for Advocacy, Negotiation, Dispute Adjudication, Arbitration & Resolution) inaugurated on 18th November, 2025 is a global milestone in legal studies. Housed within **Nyāyābhyāsa Mandapam**, the world's largest moot court facility It was inaugurated by Justice Surya Kant and Law Minister Arjun Ram Meghwal. The event featured a re-enactment of the **Kesavananda Bharati** case to emphasize judicial independence.

As a “Temple of Justice,” IMAANDAAR combines state-of-the-art acoustics with a focus on integrity, women’s empowerment, and advanced conflict resolution.

16 PEACE AND JUSTICE
STRONG INSTITUTIONS





IMAANDAAR is both a tangible and educational representation of SDG 16, which aims for Peace, Justice, and Strong Institutions. When combining its characteristics with the global objectives, it facilitates a pathway to achieve a more balanced legal environment.

Peace: IMAANDAAR’s emphasis on Alternative Dispute Resolution (ADR), particularly negotiation and arbitration, promotes non-adversarial methods of conflict resolution, thereby fostering more peaceful and cooperative societies.

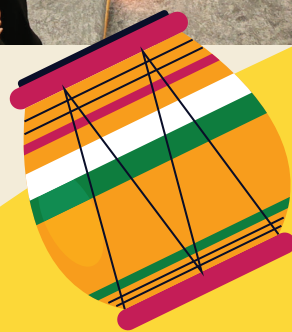
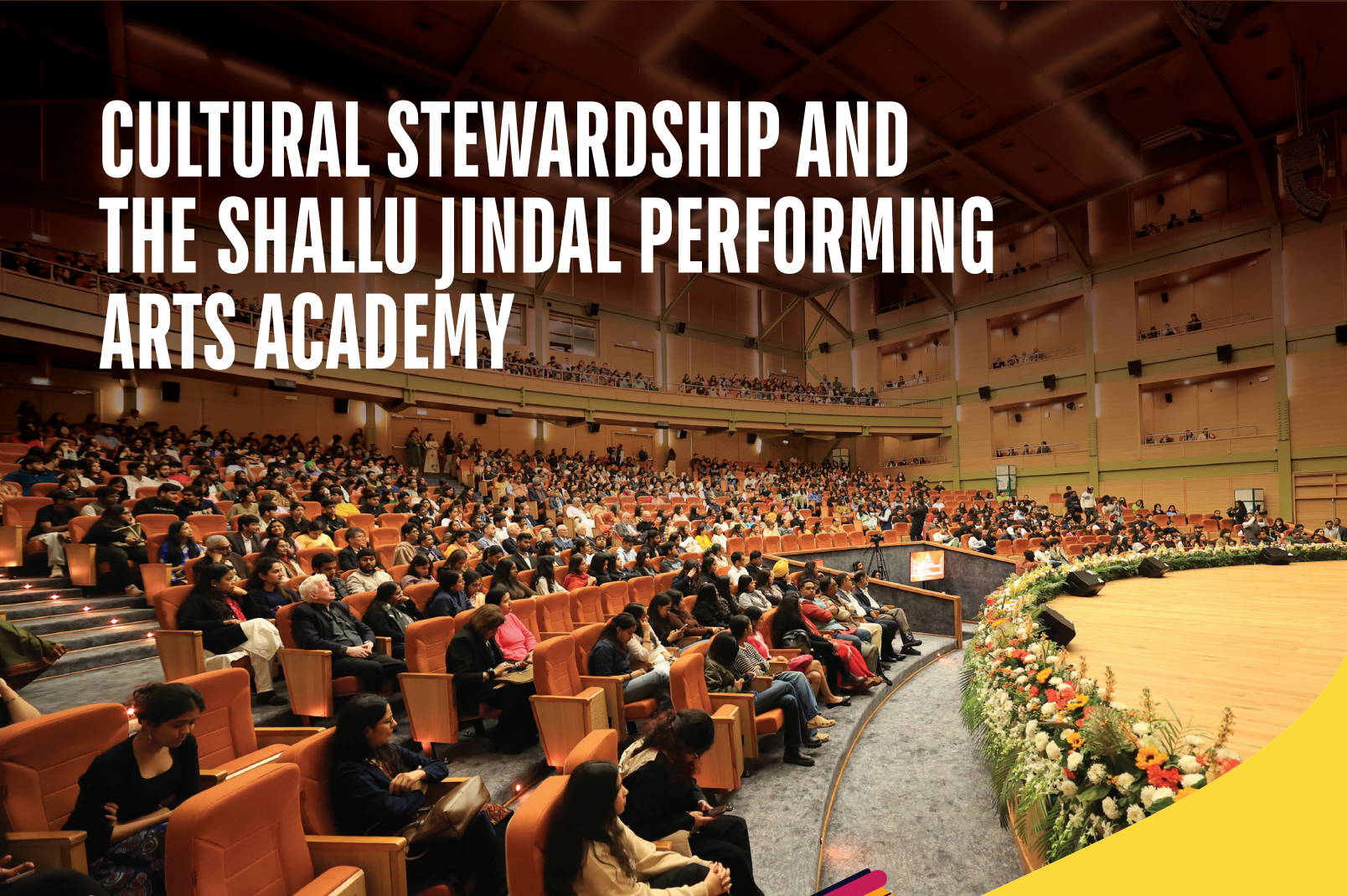
Justice: By equipping future legal professionals with practical, immersive learning experiences, the institution ensures that they are capable of navigating complex legal systems, strengthening the rule of law and enhancing access to justice for all.

Strong Institutions: The core value of integrity, reflected in its very name, underpins IMAANDAAR’s commitment to developing effective, efficient, and accountable legal and judicial institutions. Furthermore, its focus on empowering female lawyers and encouraging international engagement supports inclusive and representative decision-making, as demonstrated by its diverse global community of legal practitioners and judges.

The 10 Pillars of IMAANDAAR

1 EXPANSIVE WELL OF THE COURT: Designated lawyer and public seating areas allowing students, jurists, and visitors to experience the rituals, rhythm, and realism of justice in motion.	2 EN-BANC COURTS: Thirteen-judge bench designed to simulate a Supreme Court environment
3 MEDIATION VENUE: The centre for mediation	4 SPATIAL PROPORTIONS: The world's largest moot court with a 600+ seating capacity
6 THE LAW LIBRARY: Judges' library housing rare legal volumes, authoritative commentaries, and casebooks from jurisdictions worldwide.	5 JUDICIAL CONFERENCE ROOM: A space for judicial deliberations
	7 THE JUDGES' CHAMBERS: A lounge for the judges
	8 NEGOTIATION STUDIO: Negotiation studies & research
	9 LOCUS ARBITI: An arbitration centre designed to simulate proceedings under UNCITRAL, ICC, LCIA, and SIAC rules.
10 CONCILIATION CHAMBERS: The centre for conciliation reviving India's civilisational legacy of lok adalats and restorative justice.	

CULTURAL STEWARDSHIP AND THE SHALLU JINDAL PERFORMING ARTS ACADEMY



11 SUSTAINABLE CITIES AND COMMUNITIES



The inauguration of the Shallu Jindal Performing Arts Academy on February 13th, 2026, marks a significant milestone in O.P. Jindal Global University's commitment to Sustainable Development Goal 11 (Sustainable Cities and Communities), specifically Target 11.4, which aims to protect and safeguard the world's cultural and natural heritage. By providing a dedicated institutional platform for classical arts and cultural exchange, JGU is actively preserving India's artistic traditions while integrating them into a modern multidisciplinary academic environment.

The Academy serves as a vital hub for cultural sustainability, fostering a "cultural legacy" that strengthens the spirit and promotes a more empathetic and harmonious society. This facility not only enhances JGU's academic infrastructure but also creates a public-facing space for artistic research and community engagement. Furthermore, the establishment of this Academy paves the way for a new School of Performing Arts, ensuring that experiential learning in music, dance, and theatre remains a permanent pillar of the university's educational framework.



Key Infrastructure & Capacity Metrics

The Academy’s design, envisioned by architect Stephane Paumier, provides the physical capacity required to sustain large-scale cultural preservation and public engagement.

FEATURE	SPECIFICATION
Auditorium Capacity	1,000 seater state of the art facility
Exhibition Spaces	24 integrated galleries for creative exploration
Design Elements	Proscenium stage, advanced acoustic design and tiered seating
Scope of Use	Distributed across several floors of a landmark building

Key Infrastructure & Capacity Metrics



Preservation of Tradition

The Academy was inaugurated by eminent Kuchipudi exponents and Padma Bhushan awardees, underscoring its role in protecting classical Indian heritage.



Cultural Sensitivity

The facility reinforces the university’s mission to nurture cultural and artistic sensibilities alongside intellectual excellence, contributing to nation-building.



Integrated Infrastructure

The Academy complements the existing Jindal International Convention Centre (JICC), creating a unified space where academic inquiry and cultural expression advance together.



FACULTY RESEARCH IMPACT

JGU RESEARCH GARNERING CITATIONS BY PROMINENT GLOBAL POLICY BODIES

JGU’s research output (Scopus-Indexed publications in particular) has been cited over 187 times by a range of policy bodies, including 140 governments/ government bodies of over 35 countries, intergovernmental organisations, such as UNESCO, WHO, UNICEF, UNCTAD, CGAP, World Bank, World Economic Forum and Asian Development Bank, and notable global think tanks. The scholarly research of JGU cited in the policy

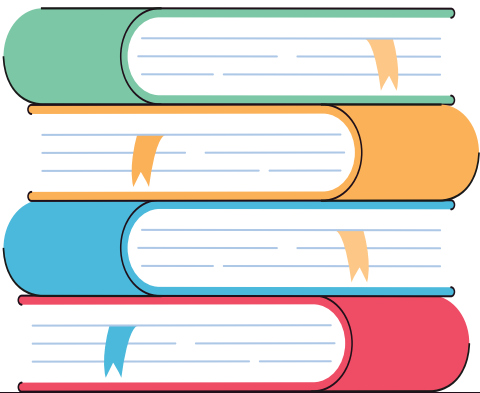
documents of these bodies span across a wide range of topics, including Human Rights, Gender Equality, Migration & International Development Policy (Monetary Policy, Microfinance, Financial Management), Circular Economy, Supply Chain Management, Innovation & Intellectual Property, and Public Health & International Law (Investment Treaty, Investors, Dispute Settlements, WTO).

Over 60% of JGU’s publications cited in policies pertained to one or more of the 17 UN Sustainable Development Goals.



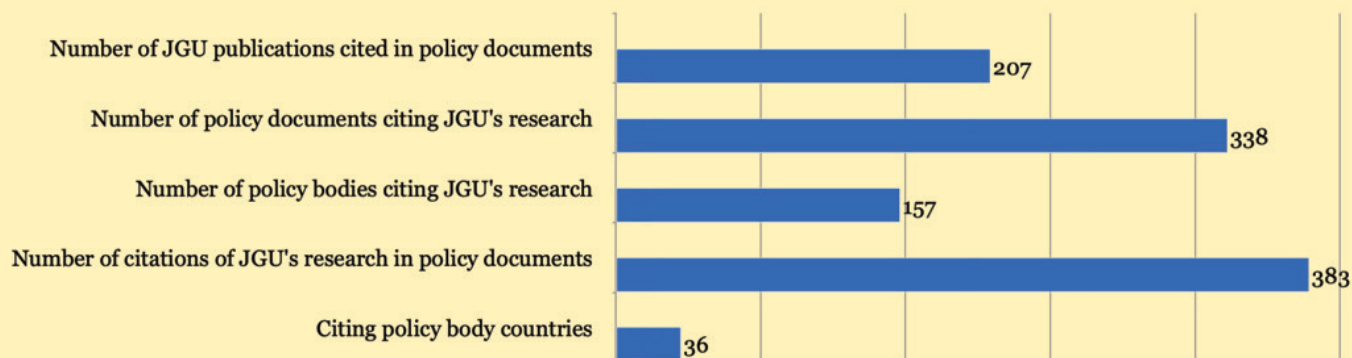
The following is an illustrative list of international policies citing **JGU’s research**:

- 🔍 Climate and Social Sustainability in Fragility, Conflict, and Violence Contexts (**World Bank, 2026**)
- 🔍 Lessons from case studies of social participation and its role in the pandemic response in the WHO South-East Asia Region (**World Health Organisation, 2025**)
- 🔍 Worldsurvey on the role of women in development 2024 - Harnessing social protection for gender equality, resilience and transformation (**United Nations, 2024**)
- 🔍 The benefits of investing in school-based mental health support (**UNICEF, 2023**)
- 🔍 Regulating corporate political engagement (**OECD, 2022**)

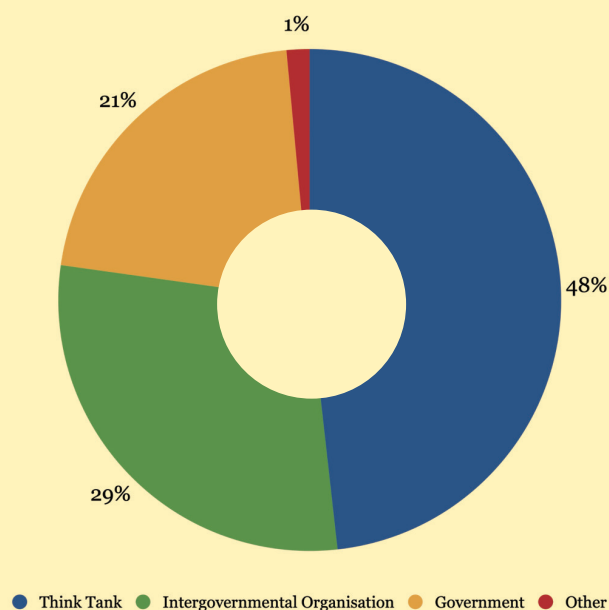


CONTRIBUTING TO STRONG INSTITUTIONS & PARTNERSHIPS FOR THE GOALS

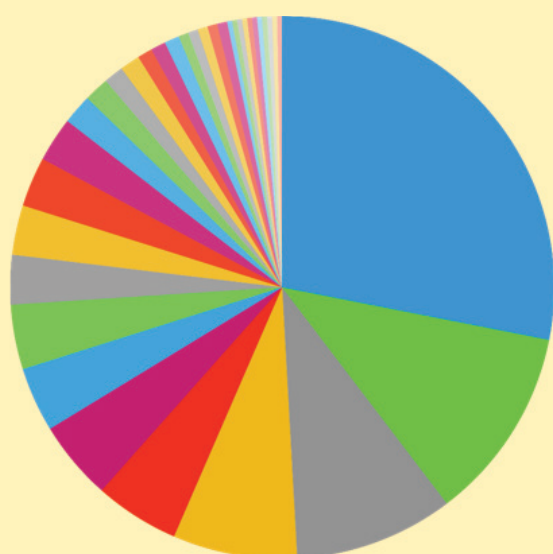
POLICY CITATION OVERVIEW 2009 TO 2025



TYPES OF POLICY ORGANISATIONS CITING JGU'S RESEARCH 2009 TO 2025



GEOGRAPHICAL DISTRIBUTION OF POLICY ORGANISATIONS CITING JGU'S RESEARCH

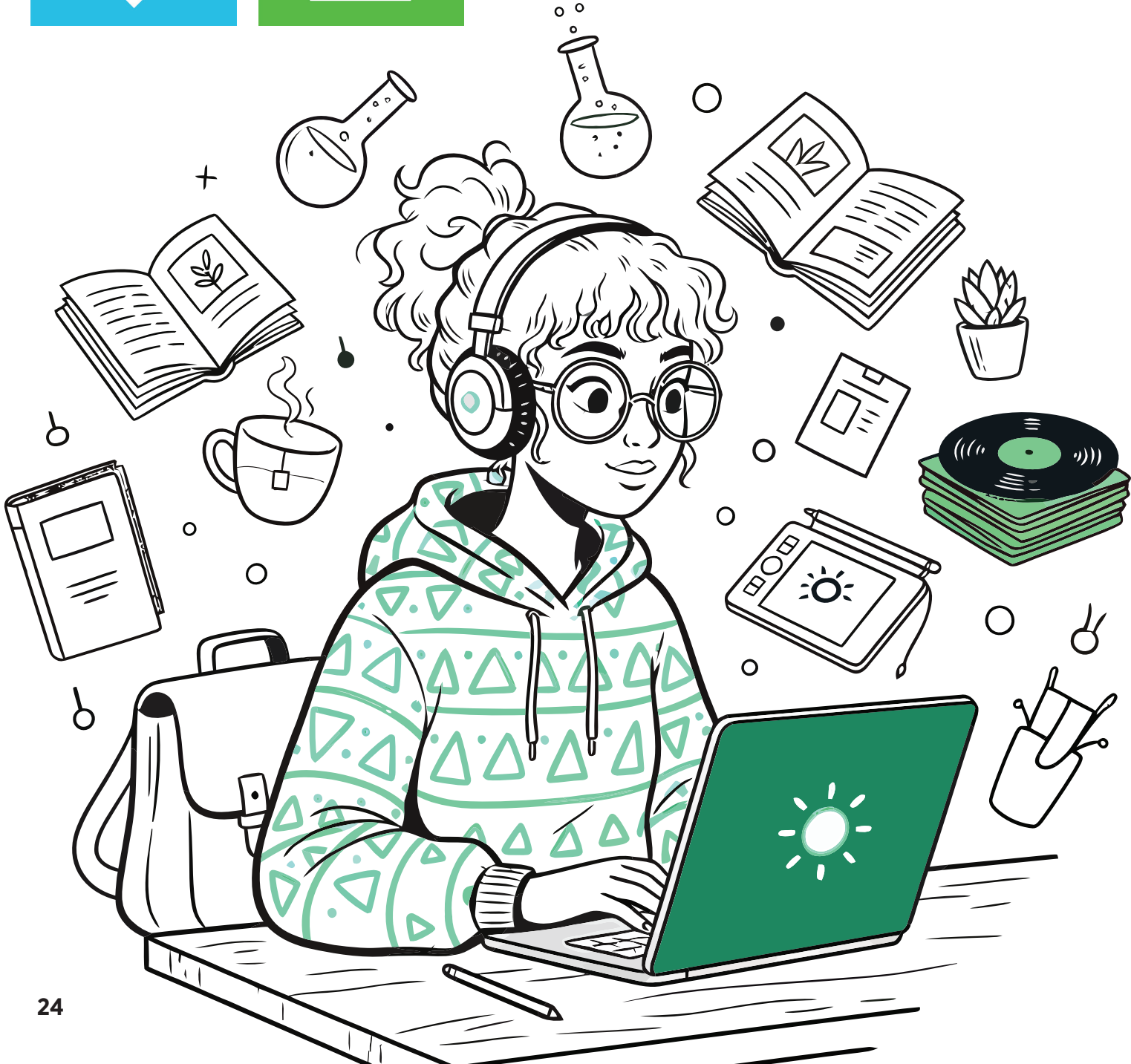


Source: Scival

THE TRANSITION TO PAPERLESS EXAMS

JGU's digital shift one of the most environmentally impactful university exam reforms in India in 2025

In 2025, O.P. Jindal Global University undertook one of its most important digital reforms: transitioning from traditional pen-and-paper examinations to fully computer-based, AI-enabled proctored assessments for 16,000 students across 12 schools. While unprecedented in scale, this shift is the culmination of years of groundwork, progressive experimentation, and evidence-based deployment of online assessments at JGU.



Environmental Impact of JGU's Transition to AI-Enabled Computer-Based Paperless Examinations in AY 2025-26

Category	Annual Benefit
Pages avoided	76,80,000
Paper saved	47.9 tonnes
Direct CO ₂ avoided	46.08 tonnes
Trees saved	922 trees
Energy saved	38,400–76,800 kWh
Water saved	7,66,84,800 liters
Additional CO ₂ avoided (energy)	31–63 tonnes
Methane-related CO ₂ e avoided	45.5 tonnes
Landfill space avoided	60 m ³

This transition represents a significant sustainability gain for JGU and a notable example of environmentally conscious assessment reform in higher education.

Suleri, J.I, 2018. Pro-environmental printing behaviour as an indicator to reduce paper cost at work. European Journal of Sustainable Development Research, 2(3). p.38.



MEASURING SUSTAINABILITY LITERACY FOR ALL



- First University in Asia to Offer TASK™ (The Assessment of Sustainability Knowledge) by Sulitest
- 3-year Pioneer Programme Partnership for JSES
- Open for students and staff members
- Expanded from JSES students to Administrative Staff Members
- Increase of test takers from

What **TASK** Offers

3 Frameworks: UN SDGs, the planetary boundaries framework, and the model of Doughnut Economics

3 Main Themes: Earth Systems, Human Welfare, and Levers of Opportunity

Assesses cognition across four types of knowledge:

Descriptive

Contextualized

Causal

Integrated



Annual Summary of JGU's Performance:

Current Global Average Score: **53.8/100**

JGU Average Score: **64.79/100**

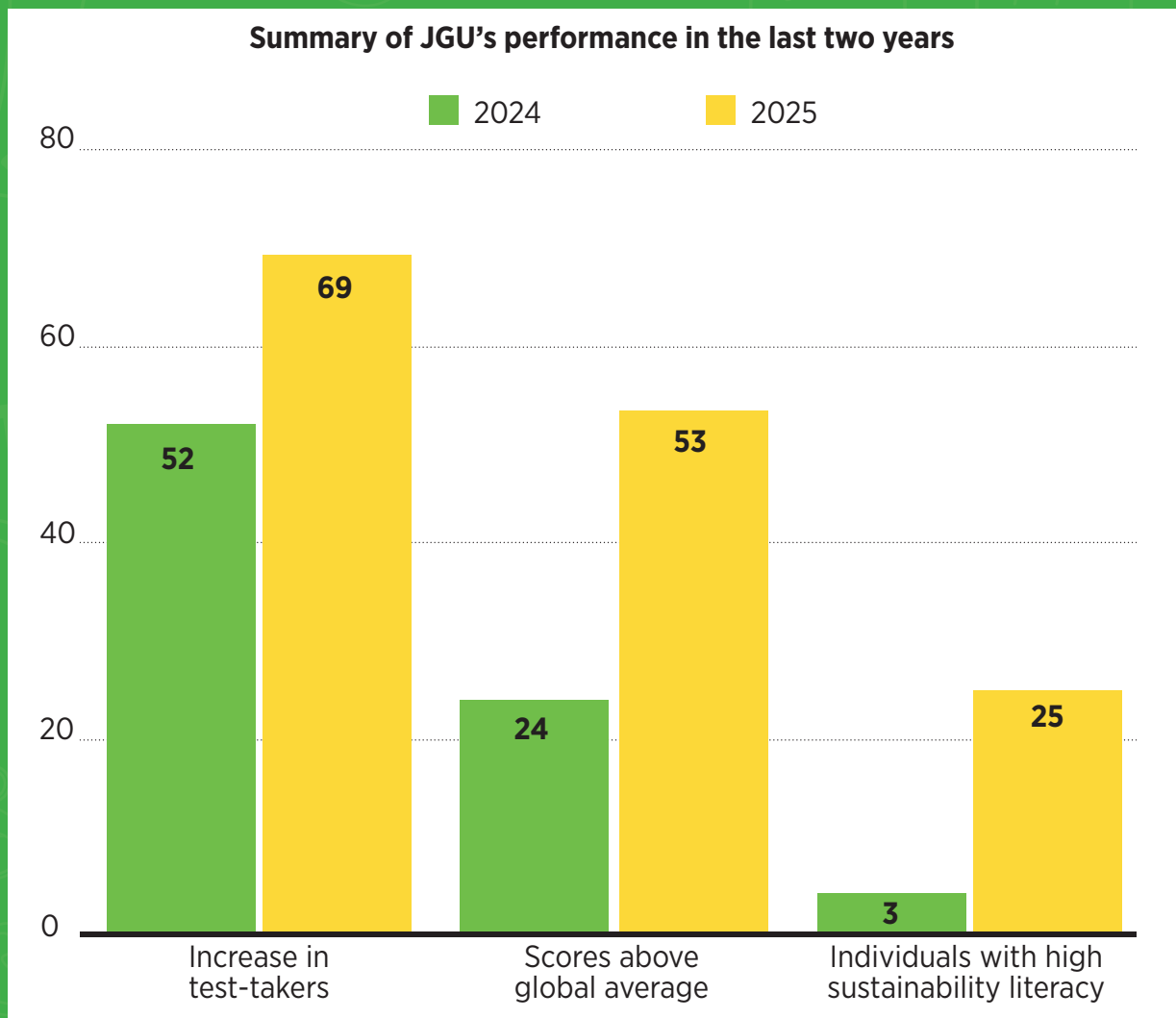
Assesseees Scored above Global Average: **53/69**

Best Individual Performance: **91.6**

Assesseees with High Sustainability Knowledge (Score above 70): **25/69**

Strongest Domain: Social Welfare **(77.2/100)**

Strongest Subject: Access to Energy **(73.47/100)**



TESTIMONIALS FROM THE 2025 TEST-TAKERS



Tarak Sahay

Online M.Sc. in Environmental Change & Sustainability

Taking the TASK assessment by Sulitest was a massive wake-up call. I walked in thinking I had a solid handle on sustainability, but the framework immediately highlighted 'blind spots' I didn't even know existed. It wasn't just a test of facts; it forced me to bridge the gap between abstract climate challenges and the gritty, system-level solutions needed in the real world.



Aditi Nayak

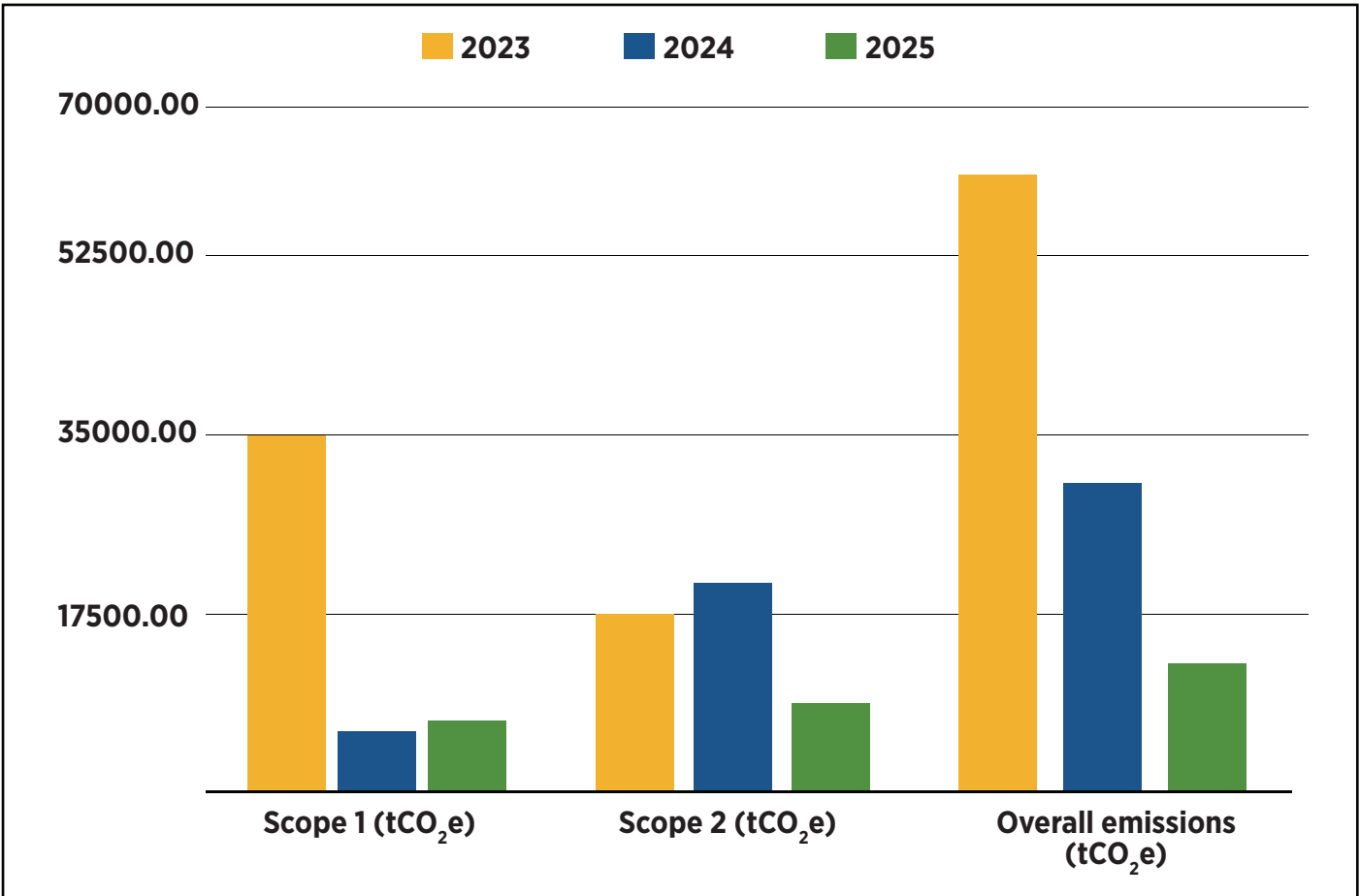
Assistant Manager, Office of Academic Governance

The Sulitest assessment was a well-structured and insightful evaluation of analytical and problem-solving skills. Its clear questions and balanced difficulty encouraged critical thinking over rote learning. The test effectively assessed logical reasoning, attention to detail, and decision making under time pressure. Overall, it was a valuable experience that highlighted strengths and areas for improvement, and I would recommend it to anyone seeking a meaningful aptitude assessment.

ACCOUNTING & REPORTING OF JGU'S GHG EMISSIONS



Universities play a transformative role in advancing teaching and research towards climate change. But as large organisations with significant carbon footprint, it is also our responsibility to lead by example and work towards a net zero emissions goal. To carry out the accounting and reporting of Greenhouse Gas (GHG) emissions, JGU opts for the GHG Protocol Corporate Accounting and Reporting Standard. GHG Protocol establishes comprehensive global standardised frameworks to measure and manage GHG emissions from private and public sector operations, value chains and mitigation actions. GHG Protocol supplies the world's most widely used GHG accounting standards.



JGU Greenhouse Gas Emissions Report (Reporting Year: January 1, 2025 - December 31, 2025)

For the calendar year 2025, we have calculated Scope 1 and Scope 2 emissions produced by the institution, with the quantification of Scope 3 emissions in progress. Scope 1 emissions cover the GHG emissions that the university makes directly, while Scope 2 emissions are the emissions the university makes indirectly.

CONVERTING FOOD WASTE INTO COMPOST

12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



Emissions Avoided by Composting

Composting **6,400 kgs** of food waste in our OWC annually, rather than in a landfill helps avoid **288 kgs** of methane emissions which are equivalent of **8,064 kgs** of avoided **CO₂** emissions*.

At JGU, sustainability is an operational discipline measured in kilograms diverted and carbon avoided. Through our technology-assisted Organic Waste Converter (OWC), we turn campus waste into a valuable resource, closing the loop on our organic material cycle.

Projected Annual Impact (Based on monthly operational data)

- Food Waste Input: **6,396 kg/year (533 kg/month)**
- Compost Yield: **2,112 kg/year (176 kg/month)** at a **33.02%** conversion rate, meeting the high end of industry standards (**25-40%**)
- Mass Reduction: **4,284 kg/year (67%)** naturally and cleanly released as moisture CO₂ during aerobic decomposition.

Environmental & Circular Impact

- **100% Landfill Diversion:** Completely prevents food waste from decomposing anaerobically in landfills, avoiding potent methane emissions (28 X more destructive than CO₂)
- **Regenerative Land Management:** The 2,112kg of annual in-house compost is used directly in university horticulture. This enriches campus soil, improves water retention, and eliminates reliance on carbon-heavy synthetic fertilizers.
- **A Scalable Model:** By converting waste into usable, non-virgin soil amendments, JGU delivers a data-backed, circular economy model that aligns directly with global ESG reporting requirements.

**IPCC 2006 Guidelines for National Greenhouse Gas Inventories*

DISTINGUISHED PUBLIC LECTURE ON THE THEME “THE CLIMATE EMERGENCY”



JGU hosted a Distinguished Public Lecture on the theme “The Climate Emergency” on **10th March, 2026**, delivered by Sir David King, Chair of the Climate Crisis Advisory Group and former Chief Scientific Adviser to the UK Government. The lecture also featured a Special Address by Zack King, Director of the Climate Crisis Advisory Group (CCAG).

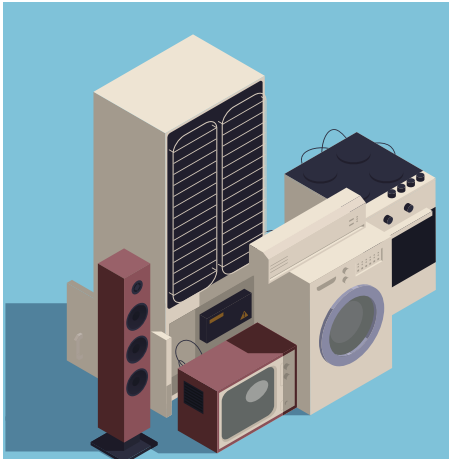


Sir David King is one of the world’s most respected climate scientists and science advisers. He is Chair of the Climate Crisis Advisory Group (CCAG), providing strategic leadership to a global network of experts focused on translating climate science into decisive policy action.

Zack King is Director of the Climate Crisis Advisory Group (CCAG), a science-to-policy platform working with leading climate experts to support credible, evidence-led climate action.



COLLECTION DRIVES FOR RESOURCE RECOVERY AND CIRCULARITY



E-Waste Management

Impact: 23 kgs recycled

Action:
Managing the full lifecycle of electronics, from hardware to cables, through regular campus collection drives.

Environmental Benefit:
By using certified recyclers, we prevent hazardous toxins (like lead and mercury) from leaching into the environment while recovering valuable materials for new electronics.



Paper Recycling

Impact: 77 kgs recycled

Action:
A closed-loop system collecting office paper and packaging to be processed into high-quality reusable materials.

Environmental Benefit:
This initiative reduces reliance on virgin pulp, lowering our institutional carbon footprint and promoting resource efficiency.



Textile Recycling

Impact: 140 kgs recycled

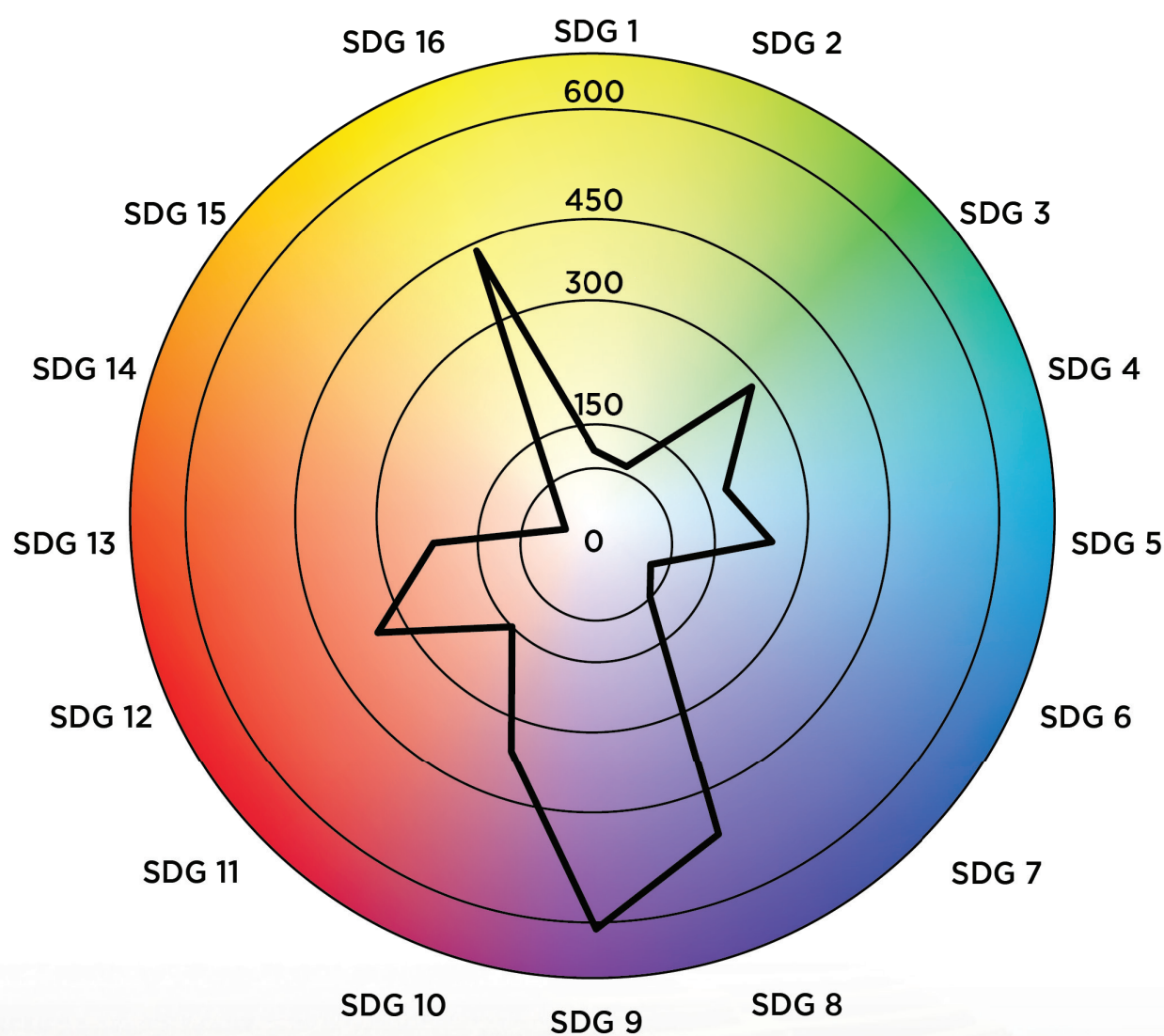
Action:
Collecting discarded fabrics and textiles to be transformed into new products through upcycling.

Environmental Benefit:
This supports a circular lifecycle, keeping waste out of landfills and promoting more sustainable fabric consumption.

DRIVE	CORE STRATEGY	PRIMARY GOAL
Electronics	Certified Processing	Toxicity Prevention
Paper	Closed-Loop Reuse	Resource Conservation
Textile	Upcycling	Landfill Diversion

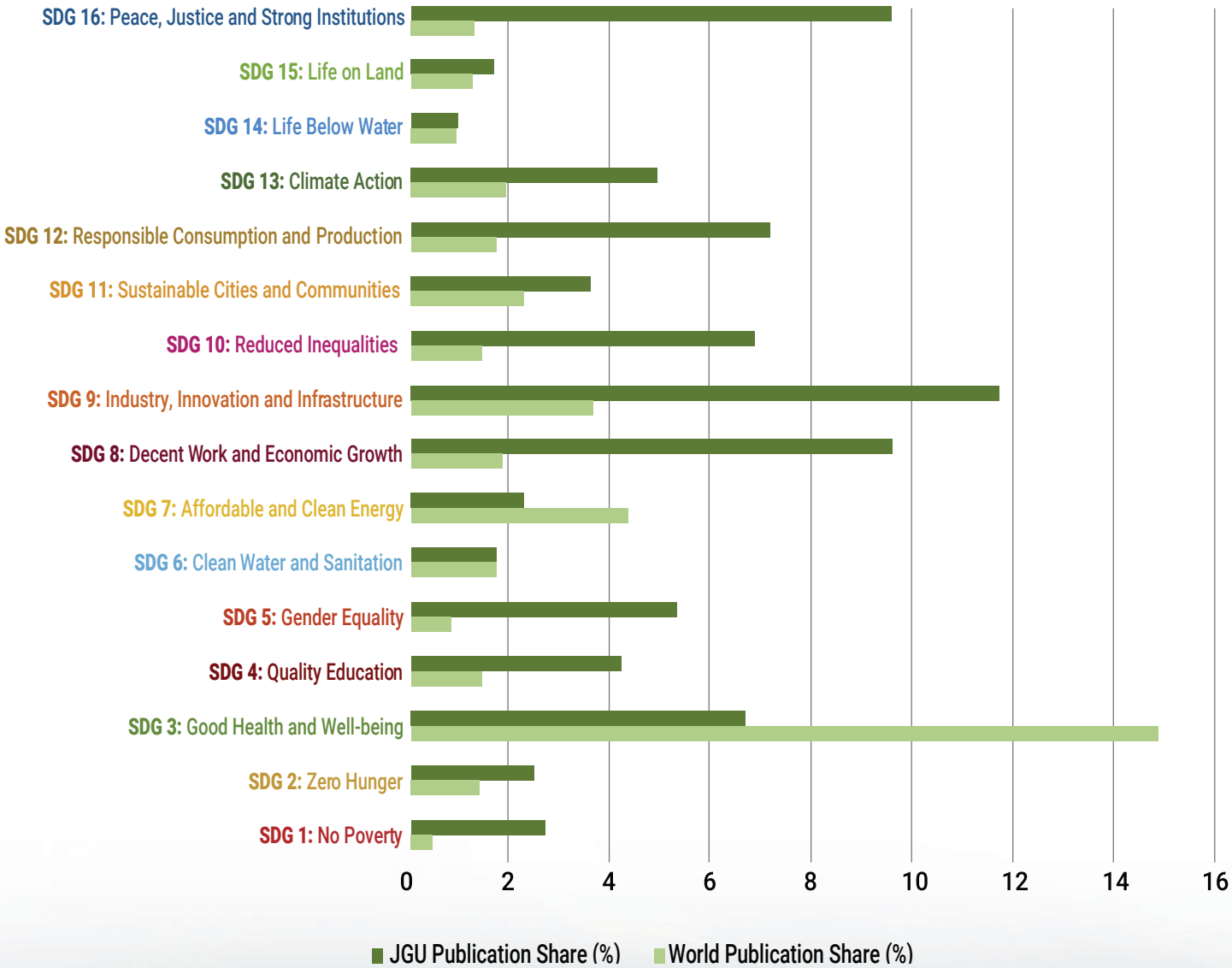
RESEARCH ON THE SDGs

Total Scholarly Contributions to Each of the SDGs



Source: Scival

PROPORTION OF SCHOLARLY OUTPUT CONTRIBUTING TO PROGRESS TOWARDS THE SDGs



Source: Scival

RESEARCH FUNDING FOR THE SDGs IN 2025

In the year 2025, JGU researchers started 13 new projects focused on the SDG goals, collaborating with various research councils, industrial partners and other sponsors. We track these partnerships each year to ensure that the University's research endeavours are aligned with broad global targets and specific indicators.



34

Active funded projects in 2025



13

Projects initiated in 2025



18

Projects initiated in 2024

International Growth Centre, London School of Economics and Political Science

Project: When the Earth is Too Hot to Handle: Experimental Evidence on Protecting Manual Outdoor Workers from Extreme Heat

Principal Investigator: Akansh

Department: Jindal Global Business School

Project Value: 18,13,330.5 INR

New Venture Fund, USA

Project: Donation for Centre for Justice, Law and Society

Principal Investigator: Professor Dipika Jain

Department: Jindal Global Law School

Academy of the Social Sciences in Australia Inc. Australia

Project: Bordered but Not Broken: Women's Agency and Livelihood Resilience in the India-Bangladesh Border

Principal Investigator: Professor Sunetra Ghatak

Department: Jindal School of Governance & Public Policy

Project Value: 3,47,390 INR

Cultural Survival, USA

Project: Empowering Soliga and other tribal voices through Digital Media Literacy and Collaborative Collectivization

Principal Investigator: Professor Venu Arora

Department: Jindal School of Journalism and Communication

Research Council of Norway -In collaboration with University of Oslo, Norway

Project: Association of Commonwealth Universities (ACU) Peace and Reconciliation Challenge

Principal Investigator: Professor Indranil Mukhopadhyay

Department: Jindal School of Governance & Public Policy

**Oxford Policy
Management
India Private
Limited**

Project: Indo-German
Support project for
Climate Action in
India

Principal Investigator:
Siddhartha Bhasker

Department: Jindal
Global Business
School

Project Value:
**55,16,500
INR**

Project Value:
**4,15,225
INR**

Project Value:
**11,09,613
INR**

Project Value:
**37,05,300
INR**

**The Ministry of Micro, Small and Medium Enterprises,
Government of India**

Project: MSME Competitive (LEAN) Scheme (A component of MSME
Champions Scheme) - HR 60 Cluster

Principal Investigator: Patanjali Kumar

Department: Jindal Global Business School

Project Value: **9,66,420 INR**

**The Ministry of Micro, Small
and Medium Enterprises,
Government of India**

Project: MSME Competitive (LEAN)
Scheme (A component of MSME
Champions Scheme) - HR 60 Cluster

Principal Investigator: Patanjali Kumar

Department: Jindal Global
Business School

Project Value:
10,53,000 INR

**The Ministry of Micro, Small
and Medium Enterprises,
Government of India**

Project: A Reconsideration of
Care: Pursuing Gender-equal
Care for Global Health and
Wellbeing

Principal Investigator:
Ruchira Sen

Department: Jindal School of
Journalism and Communication

Project Value:
**3,59,675.28
INR**

Haryana State Commission for Women

Project: Women Behind Bars: An
Assessment of Justice in Jails of Haryana

Principal Investigator: Sneha Hooda

Department: Jindal Global Law School

Project Value: **1,15,000 INR**

Equality Now, UK

Project: Zero tolerance Day held
on 06th Feb 2025

Principal Investigator: Shama Banoo
Hussain Abbasi

Department: Jindal Global Law School

Project Value:
41,000 INR

UNICEF

Project: Marketing of Unhealthy
Food to Children in India

Principal Investigator: Anmol Diwan

Department: Jindal Global Law School

Project Value:
39,33,606.76 INR

The Research Council of Norway

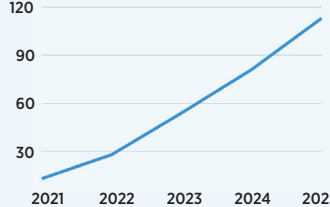
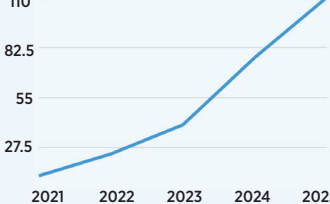
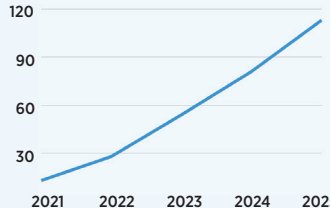
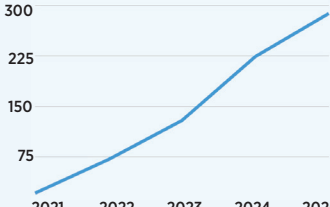
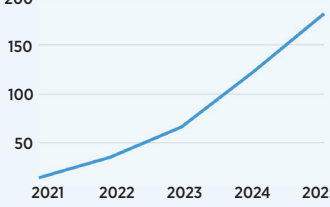
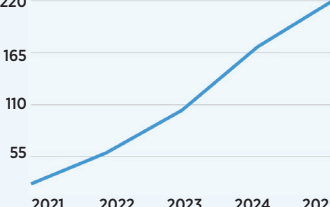
Project: Pandemic Funds, Public Goods
For Health, and The Future of Global Health
Financing (PANDFUND)

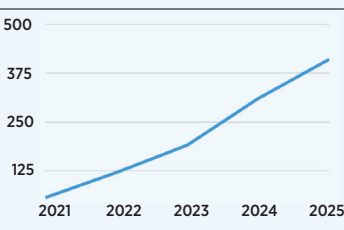
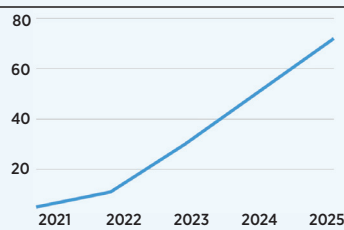
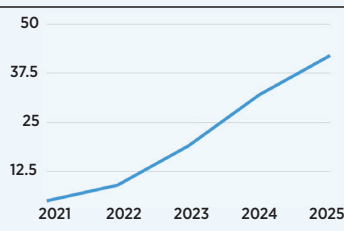
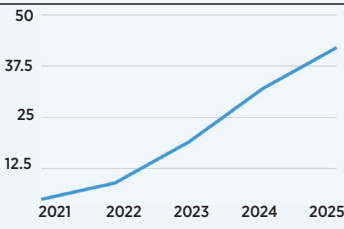
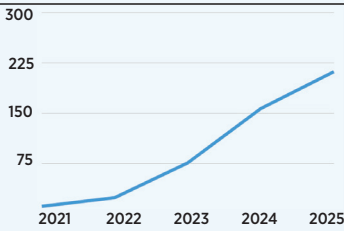
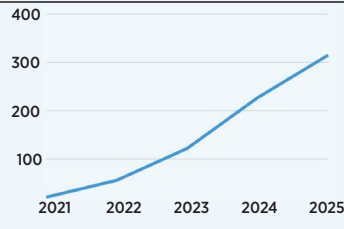
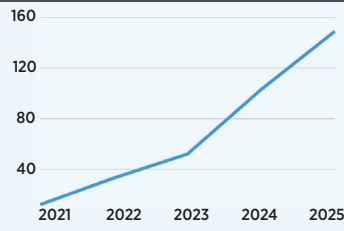
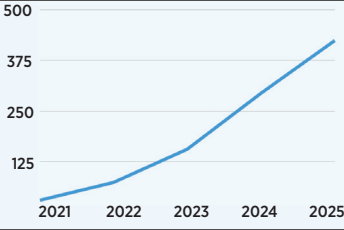
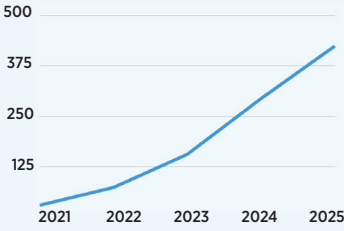
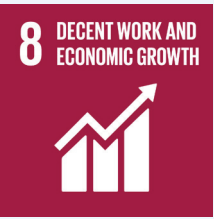
Principal Investigator: Indranil Mukhopadhyay

Department: Jindal School of International Affairs

Project Value:
37,05,300 INR

JGU'S RESEARCH PROGRESS ON THE SDGs VS THE COUNTRY'S TARGET STATUS

SDGs	JGU's Research Output Dashboard (Trend in the last one year)	JGU's Research Contribution (Scholarly Output in the past 5 years)	India's Dashboard												
1 NO POVERTY 		 <table><caption>SDG 1: No Poverty</caption><tr><th>Year</th><th>Value</th></tr><tr><td>2021</td><td>15</td></tr><tr><td>2022</td><td>30</td></tr><tr><td>2023</td><td>45</td></tr><tr><td>2024</td><td>60</td></tr><tr><td>2025</td><td>110</td></tr></table>	Year	Value	2021	15	2022	30	2023	45	2024	60	2025	110	
Year	Value														
2021	15														
2022	30														
2023	45														
2024	60														
2025	110														
2 ZERO HUNGER 		 <table><caption>SDG 2: Zero Hunger</caption><tr><th>Year</th><th>Value</th></tr><tr><td>2021</td><td>10</td></tr><tr><td>2022</td><td>20</td></tr><tr><td>2023</td><td>35</td></tr><tr><td>2024</td><td>75</td></tr><tr><td>2025</td><td>110</td></tr></table>	Year	Value	2021	10	2022	20	2023	35	2024	75	2025	110	
Year	Value														
2021	10														
2022	20														
2023	35														
2024	75														
2025	110														
3 GOOD HEALTH AND WELL-BEING 		 <table><caption>SDG 3: Good Health and Well-being</caption><tr><th>Year</th><th>Value</th></tr><tr><td>2021</td><td>15</td></tr><tr><td>2022</td><td>30</td></tr><tr><td>2023</td><td>45</td></tr><tr><td>2024</td><td>60</td></tr><tr><td>2025</td><td>110</td></tr></table>	Year	Value	2021	15	2022	30	2023	45	2024	60	2025	110	
Year	Value														
2021	15														
2022	30														
2023	45														
2024	60														
2025	110														
4 QUALITY EDUCATION 		 <table><caption>SDG 4: Quality Education</caption><tr><th>Year</th><th>Value</th></tr><tr><td>2021</td><td>25</td></tr><tr><td>2022</td><td>75</td></tr><tr><td>2023</td><td>125</td></tr><tr><td>2024</td><td>225</td></tr><tr><td>2025</td><td>300</td></tr></table>	Year	Value	2021	25	2022	75	2023	125	2024	225	2025	300	
Year	Value														
2021	25														
2022	75														
2023	125														
2024	225														
2025	300														
5 GENDER EQUALITY 		 <table><caption>SDG 5: Gender Equality</caption><tr><th>Year</th><th>Value</th></tr><tr><td>2021</td><td>10</td></tr><tr><td>2022</td><td>30</td></tr><tr><td>2023</td><td>60</td></tr><tr><td>2024</td><td>110</td></tr><tr><td>2025</td><td>180</td></tr></table>	Year	Value	2021	10	2022	30	2023	60	2024	110	2025	180	
Year	Value														
2021	10														
2022	30														
2023	60														
2024	110														
2025	180														
6 CLEAN WATER AND SANITATION 		 <table><caption>SDG 6: Clean Water and Sanitation</caption><tr><th>Year</th><th>Value</th></tr><tr><td>2021</td><td>25</td></tr><tr><td>2022</td><td>55</td></tr><tr><td>2023</td><td>100</td></tr><tr><td>2024</td><td>165</td></tr><tr><td>2025</td><td>220</td></tr></table>	Year	Value	2021	25	2022	55	2023	100	2024	165	2025	220	
Year	Value														
2021	25														
2022	55														
2023	100														
2024	165														
2025	220														
7 AFFORDABLE AND CLEAN ENERGY 		 <table><caption>SDG 7: Affordable and Clean Energy</caption><tr><th>Year</th><th>Value</th></tr><tr><td>2021</td><td>5</td></tr><tr><td>2022</td><td>15</td></tr><tr><td>2023</td><td>25</td></tr><tr><td>2024</td><td>45</td></tr><tr><td>2025</td><td>75</td></tr></table>	Year	Value	2021	5	2022	15	2023	25	2024	45	2025	75	
Year	Value														
2021	5														
2022	15														
2023	25														
2024	45														
2025	75														



Trends:

↑ On track or maintaining SDG achievement

↓ Decreasing

→ Stagnating

↗ Moderately improving

RESEARCH CENTRES FOR THE SDGs

CENTRE FOR BIODIVERSITY & CONSERVATION (CBC)



**JINDAL SCHOOL OF
ENVIRONMENT & SUSTAINABILITY**
India's First Interdisciplinary Environment & Sustainability School

Objectives:

The CBC serves as a hub for interdisciplinary collaboration, bringing together experts from ecology, environmental science, policy, and community engagement to address pressing biodiversity issues. The Centre's vision is to foster innovative research, promote sustainable practices, and contribute meaningfully to global conservation efforts.



Focus areas:

1. Conduct research on biodiversity, conservation, and ecology
2. Support policy and practical conservation efforts with evidence
3. Build awareness, capacity, and collaboration among stakeholders

13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND





RESEARCHER SPOTLIGHT:
**PROFESSOR (DR.)
KUMAR MANISH**
Jindal School of Environment & Sustainability



SCHOLARLY OUTPUT
26



CITATION PER SCHOLARLY OUTPUT
40.3



CITATION COUNT
1,049



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12



S.No.	Top 5 Topics by Scholarly Output between 2020 to 2025	Worldwide Prominence Percentile
1.	Biodiversity and Conservation in Himalayan Forests	81.30
2.	Tectonic Evolution and Climate Dynamics of the Tibetan Plateau	92.31
3.	Climate Change Impacts on Species Distribution Models	99.66
4.	Phenological Responses to Climate Change in Vegetation	98.78
5.	Patterns of Species Richness and Climate Influence	94.50

Source: Scival

CENTRE FOR NEW ECONOMICS STUDIES



**Jindal School of
Liberal Arts & Humanities**
India's First Transnational Humanities School

Objectives:

Espousing the philosophy of how contemporary economic theories look at socio-economic problems in a variety of ways, the Centre for New Economics Studies (CNES) through its research and activities aims to focus more on exploring the diversity of the scholarship on economics. At CNES, students and young researchers are not only exposed to the basic foundations of economic reasoning and thought but also to the inter-disciplinary application of the discipline of economics in fields of political science (via political economy), psychology (via behavioural economics), history (via economic history), legal studies (via law and economics) etc.

Focus areas:

- Ethnocentric and experiential approach to development studies, economic and social policy evaluation
- Linking economic theory with historical experience(s) and empirical observation under a robust, experimental environment of research

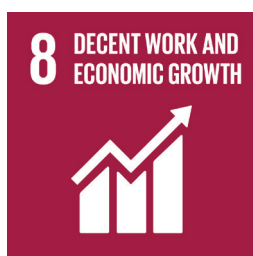




RESEARCHER SPOTLIGHT:

**PROFESSOR (DR.)
DEEPANSHU MOHAN**

Jindal School of Liberal Arts & Humanities



SCHOLARLY OUTPUT

23



CITATION PER SCHOLARLY OUTPUT

3.3



CITATION COUNT

76



H-INDEX

3

S.NO.	Top 5 Topics by Scholarly Output between 2020 to 2025	Worldwide Prominence Percentile
1.	Urban Informality and Governance in Global South	97.8
2.	Microplastics as Environmental Pollutants and Risks	100
3.	Rethinking Development through Participatory Approaches	83.3
4.	IMF's Influence on Global Economic Policies	85.9
5.	Kashmir's Political Landscape and Autonomy Aspirations	70.9

Source: Scival

CENTRE FOR WATER, OCEAN GOVERNANCE & SUSTAINABILITY LAW (CWOGLSL)



Jindal Global Law School
India's First Global Law School

Objectives:

This Centre focuses on the study and research of issues relating to the sustainability of water and ocean governance, grounded in the integrated nature of water as both inland and marine waters. Additionally, it expands its research efforts to understand and decipher the jurisprudential dimensions of sustainability law. We are committed to creating a critical space that fosters and facilitates interdisciplinary legal research, with a focus on legal reform. This effort aims to assist legal professionals and policymakers in India and other developing nations in crafting effective legal and policy measures, fostering partnerships with academic institutions, academics, and practitioners, and integrating diverse research to develop a comprehensive, actionable knowledge base.

Focus areas:

- Water Law Reform
- Ocean Governance & the Blue Economy
- Theoretical Foundations of Sustainability Law





RESEARCHER SPOTLIGHT:
**PROFESSOR (DR.)
TONY GEORGE PUTHUCHERRIL**
Jindal Global Law School



SCHOLARLY OUTPUT
26



CITATION PER SCHOLARLY OUTPUT
4.5



CITATION COUNT
117



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6

S.NO.	Top 5 Topics by Scholarly Output between 2020 to 2025	Worldwide Prominence Percentile
1.	Ecological Dynamics of Invasive Ascidian Species	73.44
2.	Sustainability Education in Higher Learning Institutions	99.60
3.	Collective Action in Resource Governance Systems	95.32
4.	Integrating Knowledge for Climate Decision Making	96.38
5.	Digital Media Transformation in Religious Communities	81.04

LEADING RESEARCHERS ON THE SUSTAINABLE DEVELOPMENT GOALS AT JGU

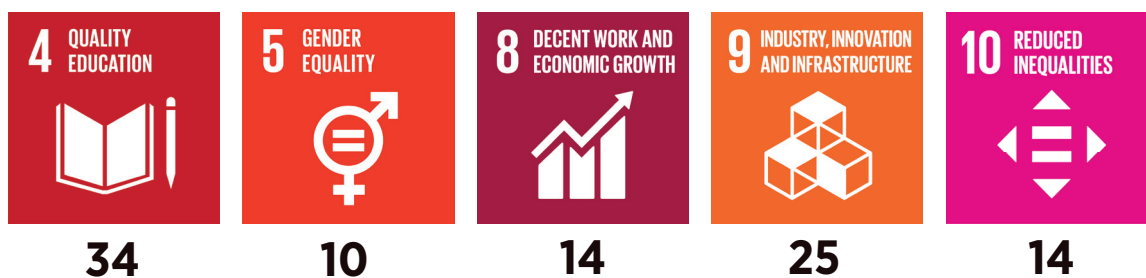


Source: SciVal (2021-2025)



**PROFESSOR (DR.)
MOHIT YADAV**
Jindal Global Business School

Number of Publications by SDGs



SCHOLARLY OUTPUT
157



CITATION PER SCHOLARLY OUTPUT
6.7



CITATION COUNT
1,055



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18

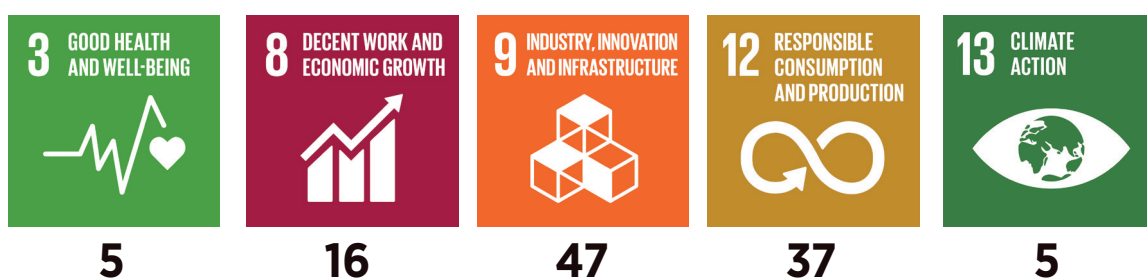
S.NO.	Top 5 Topics by Scholarly Output between 2020 to 2025	Worldwide Prominence Percentile
1.	Green Human Resource Management and Employee Behavior	99.82
2.	Framing Effects in Health Decision Making	87.86
3.	AI Integration in Human Resource Management	93.15
4.	Microplastics as Environmental Pollutants and Risks	100
5.	Empowerment and Challenges in Women Entrepreneurship	99.25



**PROFESSOR (DR.)
ASHISH DWIVEDI**

Jindal Global Business School

Number of Publications by SDGs



SCHOLARLY OUTPUT

87



CITATION PER SCHOLARLY OUTPUT

25.3



CITATION COUNT

2,203



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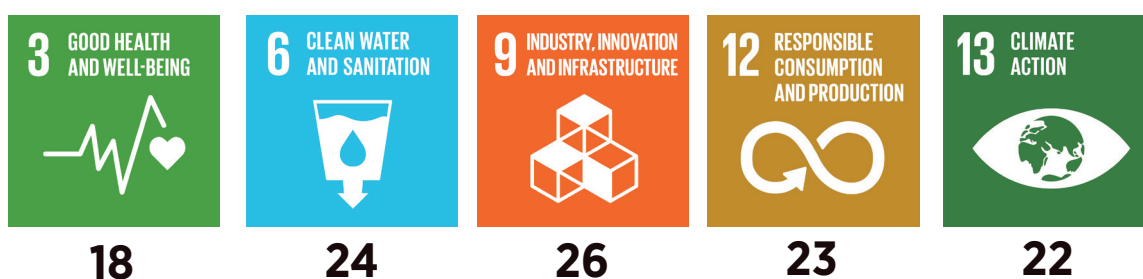
24

S.NO.	Top 5 Topics by Scholarly Output between 2020 to 2025	Worldwide Prominence Percentile
1.	Circular Economy Framework for Sustainable Development	99.98
2.	Sustainable Supply Chain Management for Industry Advancement	99.89
3.	Optimizing Disaster Relief Supply Chain Management	99.26
4.	Integration of Cyber Physical Systems in Industry 4.0	99.97
5.	Blockchain Technology in Sustainable Supply Chains	99.95



**PROFESSOR (DR.)
RUPESH KUMAR**
Jindal Global Business School

Number of Publications by SDGs



SCHOLARLY OUTPUT
109



CITATION PER SCHOLARLY OUTPUT
14.31



CITATION COUNT
1,560



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25

S.NO.	Top 5 Topics by Scholarly Output between 2020 to 2025	Worldwide Prominence Percentile
1.	Ecological Insights into River Macrophyte Communities	62.3
2.	Beryllium Detection Methods in Environmental Samples	62.63
3.	Optimizing Sugarcane Supply Chain Dynamics	71.97
4.	Irrigation System Performance and Water Management	74.37
5.	Shifting Cultivation and Land Use Dynamics	76.19



**PROFESSOR (DR.)
ABHIROOP CHOWDHURY**

Jindal School of Environment and Sustainability

Number of Publications by SDGs



SCHOLARLY OUTPUT

49



CITATION PER SCHOLARLY OUTPUT

23.7



CITATION COUNT

1,160



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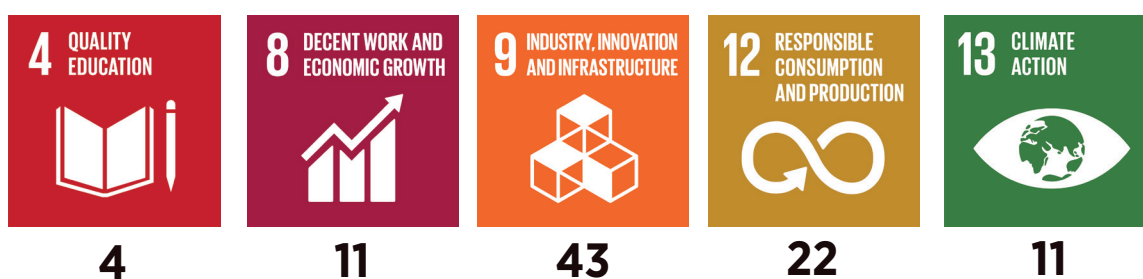
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S.NO.	Top 5 Topics by Scholarly Output between 2020 to 2025	Worldwide Prominence Percentile
1.	Mangrove Ecosystems and Carbon Sequestration Potential	99.59
2.	Heavy Metal Pollution and Soil Health Risks	99.75
3.	Climate Change Impacts on Sundarbans Livelihoods	58.17
4.	Heavy Metal Dynamics in Mangrove Ecosystems	83.33
5.	Geopolymers: Sustainable Materials for Enhanced Strength	99.95



**PROFESSOR (DR.)
ASHUTOSH SAMADHIYA**
Jindal Global Business School

Number of Publications by SDGs



SCHOLARLY OUTPUT
76



CITATION PER SCHOLARLY OUTPUT
19.6



CITATION COUNT
1,492



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20

S.NO.	Top 5 Topics by Scholarly Output between 2020 to 2025	Worldwide Prominence Percentile
1.	Integration of Cyber Physical Systems in Industry 4.0	99.71
2.	Circular Economy Framework for Sustainable Development	99.98
3.	Blockchain Technology in Sustainable Supply Chains	99.95
4.	Lean Manufacturing and Sustainable Practices Integration	99.61
5.	Human-Centric Innovations in Industry 5.0	99.44



**PROFESSOR (DR.)
ALIYA NAZ**

Jindal School of Liberal Arts & Humanities

Number of Publications by SDGs



SCHOLARLY OUTPUT

33



CITATION PER SCHOLARLY OUTPUT

25.7



CITATION COUNT

850



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16

S.NO.	Top 5 Topics by Scholarly Output between 2020 to 2025	Worldwide Prominence Percentile
1.	Mangrove Ecosystems and Carbon Sequestration Potential	99.59
2.	Health Risks and Environmental Impact of Polycyclic Aromatic Hydrocarbons	99.30
3.	Heavy Metal Pollution and Soil Health Risk	99.75
4.	Arsenic Removal Technologies for Potable Water	99.12
5.	Dust Storm Dynamics and Atmospheric Impacts	97.69



PROFESSOR (DR.) SRIROOP CHAUDHURI

Jindal School of Liberal Arts & Humanities

Number of Publications by SDGs



SCHOLARLY OUTPUT
35



CITATION PER SCHOLARLY OUTPUT
27.8



CITATION COUNT
973



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18

S.NO.	Top 5 Topics by Scholarly Output between 2020 to 2025	Worldwide Prominence Percentile
1.	Groundwater Management and Irrigation Resource Strategies	82.69
2.	Moss as a Biomonitor for Heavy Metal Pollution	87.98
3.	Land Degradation Neutrality and Sustainable Management	85.13
4.	Food Insecurity and Its Impacts	99.04
5.	Volatile Organic Compounds and Air Quality Challenges	98.54



**PROFESSOR (DR.)
DIPIKA JAIN**

Jindal Global Law School

Number of Publications by SDGs



SCHOLARLY OUTPUT

25



CITATION PER SCHOLARLY OUTPUT

12.52



CITATION COUNT

313



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7

S.NO.	Top 5 Topics by Scholarly Output between 2020 to 2025	Worldwide Prominence Percentile
1.	Transgender Rights and Queer Identity in India	79.37
2.	Access to Safe Abortion Services in India	58.69
3.	Induced Abortion and Maternal Health Services	89.30
4.	Personhood and Moral Status in Abortion Debate	74.27
5.	Gender, Class, and National Identity in India	85.12



**PROFESSOR (DR.)
SRINIVAS JANGIRALA**
Jindal Global Business School

Number of Publications by SDGs



SCHOLARLY OUTPUT
63



CITATION PER SCHOLARLY OUTPUT
41.11



CITATION COUNT
2,590



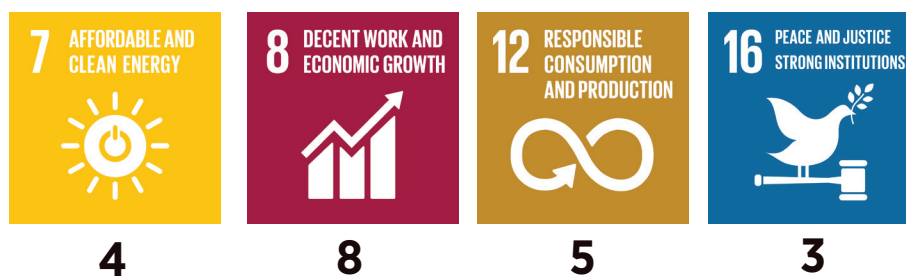
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S.NO.	Top 5 Topics by Scholarly Output between 2020 to 2025	Worldwide Prominence Percentile
1.	Innovative Authentication Schemes for Secure Networks	99.46
2.	Smart City Frameworks for Sustainable Urban Development	99.87
3.	Privacy and Security in Smart Grid Systems	97.52
4.	Blockchain Innovations in Healthcare Data Security	99.97
5.	Volatility and Prediction in Cryptocurrency Markets	99.84



**PROFESSOR (DR.)
SAROJ KOUL**
Jindal Global Business School

Number of Publications by SDGs



SCHOLARLY OUTPUT
51



CITATION PER SCHOLARLY OUTPUT
5.27



CITATION COUNT
269



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9

S.NO.	Top 5 Topics by Scholarly Output between 2020 to 2025	Worldwide Prominence Percentile
1.	Resilience and Risk Management in Supply Chains	99.93
2.	Digital Twin Technology in Cyber Physical Systems	99.97
3.	Integrating Six Sigma for Quality Management Success	99.15
4.	Environmental Impacts of Oil Sand and Heavy Metals	34.94
5.	Lean Manufacturing and Sustainable Practices Integration	99.61

NAVEEN JINDAL YOUNG GLOBAL RESEARCH FELLOWSHIP



About the Fellowship

JGU introduced the Naveen Jindal Young Global Research Fellowship with a view to promote interdisciplinary collaboration and academic growth among young Ph.D. scholars and faculty members.

- Capitalises on JGU’s extensive global network with 600+ partnerships across 83+ countries
- Promotes exchange of knowledge and best practices in SDG research
- Strengthens interdisciplinarity in academia

	NUMBER OF APPLICATIONS	COUNTRIES REPRESENTED	SELECTED APPLICANTS
2025	300+	30+	100+
2026	500+	35+	150+



The following is an illustrative list of publications produced by our Fellows as a part of the NJGYRF:



An exploratory case study of sustainable tourism environment for a nature-oriented market: Inputs to the development of a travel brochure - **Joemar Minoza**



Knowledge, Attitudes and Practice towards Media Campaigns against Gender-Based Violence among Adults in Southwest Nigeria - **Joseph Moyinoluwa Talabi**



Boosting aquaculture resilience through biofloc-forming bacteria: A comparative approach - **Khadem Hussain Saeedi**



Impact of Green Marketing Elements on Consumers: A Behavioral Approach - **Pham Ngoc Huong Quynh**



Navigating environmental challenges in rice cultivation for food purpose - **Umar Lebbe, Atham Lebbe, Mohamed Rifky**

RESEARCHER SPOTLIGHT

Our flagship fellowship programme has consistently attracted talented young scholars from around the world. We are highlighting the following NJYGRF researchers from our latest cohort for their remarkable contributions to research on the SDGs.



DR. JOSEPH MOYINOLUWA TALABI
Lagos State University, Nigeria
NJYGRF Batch of 2025-26



S.NO.	Top 5 Topics by Scholarly Output between 2020 to 2025	Worldwide Prominence Percentile
1.	Social Media Influence on Health and Religion in Nigeria	79.69
2.	Hand Hygiene Compliance and Infection Control Strategies	94.74
3.	Constructivism and Norm Dynamics in International Relations	91.04
4.	Gender-Based Violence and Intimate Partner Dynamics	98.22
5.	Ubuntu and African Philosophy in Contemporary Contexts	87.89



**DR. MOHAMED
RIFKY**

Eastern University, Sri Lanka
NJYGRF Batch of 2025-26



SCHOLARLY OUTPUT
50



CITATION PER SCHOLARLY OUTPUT
8.4



CITATION COUNT
418



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15

S.NO.	Top 5 Topics by Scholarly Output between 2020 to 2025	Worldwide Prominence Percentile
1.	Lithium Extraction and Adsorption Technologies for Resource Recovery	99.53
2.	Buffalo Milk Production and Nutritional Insights	38.90
3.	Essential Oil Composition and Health Benefits of Curry Tree	50.49
4.	Polysaccharides: Structure, Activity, and Applications	99.80
5.	Smart Irrigation and Sensor Networks in Agriculture	99.82

TEACHING & LEARNING

DEGREE PROGRAMMES IN SUSTAINABILITY



**JINDAL SCHOOL OF
ENVIRONMENT & SUSTAINABILITY**
India's First Interdisciplinary Environment & Sustainability School

**Jindal School of
Environment &
Sustainability**



About

The Jindal School of Environment & Sustainability (JSES) was established in the year 2020 with a vision to be a global leader in ushering a sustainable future for the world with innovative teaching, practice-based learning and impact-driven research. The world today faces an increasing array of environmental challenges that require greater levels of innovation and collaboration among industry, government, academia and the public at large. The ongoing environmental crises are accompanied by lacunae in human resource development and relevant research at various levels. JSES aims to fill this gap by combining theory and practice of environment & sustainability studies, research, outreach, advocacy and capacity building. The primary goal of JSES is to offer students a concentration in environment and sustainability studies with opportunities to explore how humans interact with their environment. JGU is the first institution in India to be accredited and approved as a University Partner by the Institute of Sustainability and Environmental Professionals (ISEP).



● **B.A. (Hons.) Environment and Sustainable Development**

Through a multidisciplinary approach, the B.A. (Hons.) Environment & Sustainable Development programme equips students with a strong understanding of environment and sustainability policies, practices, economic frameworks, and scientific aspects. They will acquire the necessary skill sets to critically analyse environment and sustainability issues including climate change mitigation and adaptation, environmental pollution and health.

● **B.Sc. (Hons.) Environment and Sustainable Development**

The programme also provides ample opportunities for hands-on learning and intensive internships to enhance the learning experience. Students will develop technical, mathematical, architectural, and scientific skills required to critically analyse gaps in achieving the UN SDGs. The programme is designed with a comprehensive curriculum that includes foundational courses, science courses, and practical and laboratory components.

● **M.Sc. in Environmental Change & Sustainability (Online)**

The M.Sc. in Environmental Change & Sustainability is a one-year interdisciplinary programme designed to equip students with the skills to tackle pressing environmental challenges. With a strong foundation in climate science, sustainability policy, green markets, and technological advancements like AI and GIS, the programme blends theory with hands-on learning. Students engage in real-world projects, policy analysis, and climate risk assessment, preparing them for impactful careers in environmental consultancy, policy-making, and corporate sustainability.



Jindal Global Law School
India's First Global Law School

**Jindal Global
Law School**



About

The Jindal Global Law School (JGLS) is committed to providing global legal education to its students. To fulfil this objective, the curriculum and pedagogy is designed to give extensive exposure to students to domestic, international and comparative law courses. JGLS has also entered into collaborations, exchange programmes, research partnerships and other forms of engagement and interaction with top universities and institutions across the globe. There are faculty and student exchange programmes and academic collaboration arrangements with leading law schools, such as Harvard, Yale, NYU, Sydney, Keio and many other reputed universities.

● LL.M. in Environmental Law, Energy & Climate Change

The Centre for Environmental Law (CEL), established as an integral part of WWF India, in collaboration with JGLS launched the LL.M. in Environmental Law, Energy and Climate Change. The LL.M. programme is developed to integrate Indian and global perspectives on aspects of national and international environmental law, climate change and energy, emphasising on international, transnational and comparative approach to study the subject. The programme aims to equip the students with skills for global research enabling them to adapt, innovate and apply their knowledge to national and international legal issues in areas of law.



JINDAL SCHOOL OF PUBLIC HEALTH & HUMAN DEVELOPMENT
India's first Interdisciplinary School for Public Health & Development

**Jindal School of
Public Health &
Human Development**



About

The Jindal School of Public Health and Human Development (JSPH) aspires to build a world-class public health institution to promote a sustainable and inclusive health ecosystem. In today's times, following the COVID-19 pandemic, there is global demand for a health ecosystem driven by strong governance, robust operations, impact-driven research and seamless on-ground implementation that drives public health in a positive direction. To enable such an ecosystem, JSPH with its research-driven approach and interdisciplinary studies aims to create leaders who can bring thought leadership to create an ever-evolving, adaptable and sustainable public health ecosystem for India and the world.



● M.Sc. in Global Health & Human Development (Online)

The M.Sc. in Global Health & Human Development is a one-year, 60-credit interdisciplinary programme across 3 trimesters, designed to address pressing global health and development challenges. It equips students with knowledge, analytical tools, and global perspectives at the intersection of health, policy, and human development. The curriculum covers public health policy, epidemiology, health systems research, biostatistics, and global development, with a focus on real-world application through case studies and research. Students develop skills to analyse health disparities, interpret data, and design evidence-based interventions.



EMBEDDING THE SDGs INTO UNIVERSITY-WIDE COURSES

JGU's vision of becoming "a world-class university creating global leaders" is closely aligned with its strong emphasis on interdisciplinarity. In this context, sustainability education plays a vital role in shaping the next generation of responsible and informed leaders. All academic programmes at JGU offer cross-listed electives that are accessible to students across the University. The Office of Sustainability further strengthens this approach

by mapping these courses to the 17 SDGs and their 169 targets. This mapping provides valuable insight into curriculum design each semester and encourages faculty members to integrate globally relevant issues - such as climate change, international relations, and food security - into their teaching, thereby fostering greater awareness and sensitivity among students.

350+

Cross-electives on the SDGs offered each year

1 NO POVERTY



No. of electives **05**

Course Spotlight:

Systems approaches to poverty reduction - Sustainable livelihoods and legal empowerment

2 ZERO HUNGER



No. of electives **05**

Course Spotlight:

Sustainable food, water and energy governance

3 GOOD HEALTH AND WELL-BEING



No. of electives **28**

Course Spotlight:

Mindfulness and Stress Management: Theory and Practice for Enhancing Mental Well-Being

4 QUALITY EDUCATION



No. of electives **28**

Course Spotlight:

Nurturing Soft Skills: Essential Strategies for Professional and Personal Success

5 GENDER EQUALITY



No. of electives **14**

Course Spotlight:

Feminist Foreign Policy

6 CLEAN WATER AND SANITATION



No. of electives **02**

Course Spotlight:

Sustainable food, water and energy governance

7 AFFORDABLE AND
CLEAN ENERGY



No. of electives **05**

Course Spotlight:

Energy Security and
Diplomacy

8 DECENT WORK AND
ECONOMIC GROWTH



No. of electives **69**

Course Spotlight:

Sustainable Ecotourism
Development

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



No. of electives **21**

Course Spotlight:

CSR, Development And
Global Governance

10 REDUCED
INEQUALITIES



No. of electives **12**

Course Spotlight:

Diversity, Equity, Inclusion
and Belonging

11 SUSTAINABLE CITIES
AND COMMUNITIES



No. of electives **12**

Course Spotlight:

Seeing the City: Critical
Perspectives on Urban
Representation

12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



No. of electives **09**

Course Spotlight:

Sustainable Finance &
Reporting

13 CLIMATE
ACTION



No. of electives **15**

Course Spotlight:

Waste Management and
Circular Economy

14 LIFE BELOW
WATER



No. of electives **05**

Course Spotlight:

Maritime Security,
Emerging Technology
and Ethics

15 LIFE
ON LAND



No. of electives **04**

Course Spotlight:

Operations of Modern
Industrial Ecology

16 PEACE AND JUSTICE
STRONG INSTITUTIONS



No. of electives **66**

Course Spotlight:

Ethos of Environmental
and Constitutional Law in
India and Beyond

17 PARTNERSHIPS
FOR THE GOALS



No. of electives **10**

Course Spotlight:

World-ing International
Relations

SHORT-TERM STUDY ABROAD PROGRAMMES

Summer Schools

PROGRAMME TITLE	INSTITUTIONAL PARTNER	COUNTRY
Human Rights in Development	Harvard University	USA
Business & Corporate Law	Columbia Law School, Columbia University	USA
Aesthetic and Transformational Leadership: Global Perspectives on Ethics, Negotiation, and Influence	University of Pennsylvania (UPenn)	USA
Corporate Law & Sustainability: Reimagining Corporate Regulations in the Age of ESG	Elisabeth Haub School of Law, Pace University	USA
AI, Technology and Law	Seattle University	USA
International Law & Global Governance	University of Oxford	UK
International Criminal Law and Justice	United Nations Institute of Training and Research (UNITAR)	Netherlands

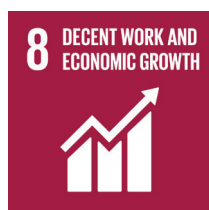
Winter Schools

PROGRAMME TITLE	INSTITUTIONAL PARTNER	COUNTRY
The Future of Globalisation: Causes, Crises and Consequences	University of Oxford	UK
JGU- UNITAR Winter School on Multilateral Diplomacy and Global Governance	United Nations Institute of Training and Research (UNITAR)	Switzerland



STRENGTHENING SOUTH-SOUTH COOPERATION: IMMERSIVE LEARNING EXPERIENCES ORGANISED BY IASGE

The Office of Institutional Advancement & Strategic Global Engagement (IASGE) aims to position JGU as a leading global university showcasing academic excellence and impactful contributions to society. The following programmes are developed in collaboration with prestigious institutions across the South-East Asia region, strengthening South-South partnerships.



Discover Indonesia:
Business, Innovation
and Cultural
Immersion

20 students

5th Jan to 26th Jan 2025

**Hosted by Universitas
Ciputra Surabaya,
Indonesia**

Community visits to
understand local business
practices

Community engagement

Cultural immersion through
language and music

Discover Indonesia:
Southeast Asia's
Emerging Sustainable
Markets

16 students

2nd Dec to 24th Dec 2025

**Hosted by Universitas PGRI
Semarang (UPGRIS)
Semarang, Indonesia**

Lectures on business,
sustainability & Indonesian
society

Company visits and
Community Service Day

Sustainability & Business
Design Workshops

Discover Vietnam:
Cultural & Creative
Immersion through Art,
Design & Media

30 students

2nd Dec to 24th Dec 2025

**Hosted by HUTECH
Ho Chi Minh City,
Vietnam**

Lectures on journalism
ethics and narratives

Understanding storytelling
and narrative media

Exposure to Vietnam's
start-up ecosystem

MOOCS ON ENVIRONMENTAL SCIENCE, POLICIES, AND PRACTICE

JGU is a global leader in online education, reaffirmed by the institution being ranked number 1 in the world and being awarded 'Gold' in the inaugural edition of Times Higher Education (THE) Online Learning Rankings. The content design and pedagogical approach of our massive open online courses (MOOCs) converge environmental issues, policy, and cross-sectoral perspectives, reaching individuals from backgrounds as diverse as Government, Retail & Consumer, Design, Construction, and Engineering.

Alignment with National Education Policy 2020: The following MOOCs embody the NEP's emphasis on Education for Sustainable Development and on instilling environmental awareness as a foundational value among learners.

Alignment with SDG 4: Supports the NEP and SDG 4 (Quality Education) through lifelong learning and equitable access to quality education for learners across geographies and professional backgrounds.

Introduction to Environmental Science

Modules:

- Introduction to Environmental Science
- Social Issues and Environment
- Ecosystems
- Biodiversity and Conservation
- Climate Change and Environment



- **7,785** Unique visitors
- **1,326** Enrolments
- **> 2x** Completion rate compared to domain benchmark
- Rated **4.5** across **13** metrics

Environmental Issues, Policies, and Practice

Modules:

- Environmental Issues and Sustainable Development
- Environmental Issues: What Their Exposure Does and Why and How Should We Observe Them?
- Risk Assessment and Management (RAM)
- Climate Change and Air Pollution
- Issues Related to Water and Sanitation
- Environmental Disasters
- Environmental Law, Policy, and Governance



- **5,240** Unique visitors
- **507** Enrolments
- Advanced and policy-oriented

Source: Course Summary Dashboard, Coursera

EMPOWERING CHANGE: SUSTAINABILITY TRAINING & DEVELOPMENT

JGU has institutionalized sustainability through a mandatory, multi-tiered training program led by the Office of Sustainability and the Learning & Development team. This initiative bridges the gap between institutional values and daily operations, equipping both academic, administrative and grassroots staff with the tools to drive systemic change.

4 QUALITY EDUCATION

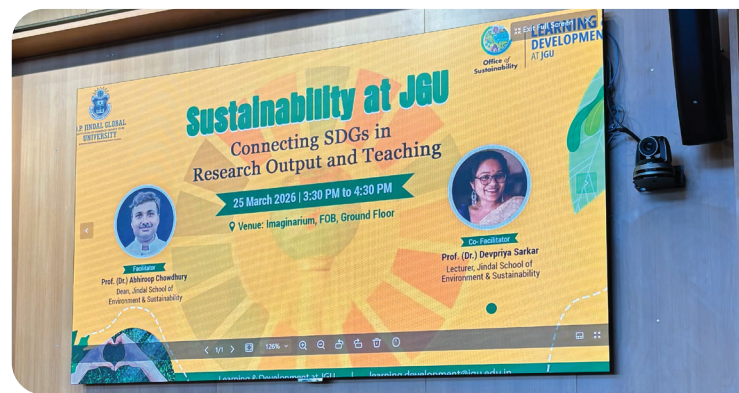


8 DECENT WORK AND ECONOMIC GROWTH



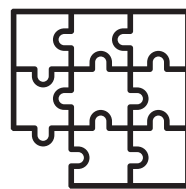
Strategic Objectives

- **SDG Literacy:** Mastering the 17 UN Sustainable Development Goals and their three pillars (Environmental, Social, Economic).
- **Operational Alignment:** Integrating sustainable practices into higher education policy and departmental decision-making.
- **Cultural Transformation:** Cultivating a “sustainability mindset” through self-reflection and interdepartmental innovation.



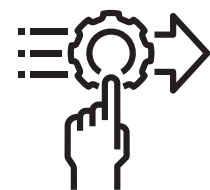
AWARENESS

Comprehensive understanding of global sustainable frameworks.



INTEGRATION

Ability to evaluate and mitigate the impact of administrative workflow.



ACTION

Development of bespoke technologies for long term institutional stewardship

Impact Note: The latest cohort focused on breaking down departmental silos, providing a platform for staff to voice innovative ideas that align our internal operations with our global climate commitments.

CAMPUS FEATURES

Green Cover

JGU takes pride in its lush green campus, which serves as a natural carbon sink, absorbing greenhouse gases, reducing air pollution, preventing soil erosion, and fostering biodiversity. Beyond environmental benefits, these green areas create a serene environment that enhances mental well-being, providing students and faculty with peaceful spots for study, recreation, and relaxation.



Infrastructure:

Campus area: **85 acres**

Geographical location: **28°55'39.6" N latitude, 77°03'22.4" E longitude**

Altitude: **220 M above sea level**



Biodiversity:

12,000+ Trees 

1,87,150+ Shrubs 

98 Species of Trees & Shrubs 

42 Bird Species 

Source: JGU's Biodiversity Report

CLEAN AIR



The University has implemented a comprehensive and multi-layered strategy to address the sharp deterioration in air quality, driven by external factors such as stubble burning, vehicular emissions, industrial activity, and adverse weather conditions. To safeguard the campus community, a large-scale deployment of HEPA-equipped air purifiers has

been undertaken across hostels and classrooms, alongside enhanced cleaning protocols such as frequent wet mopping to reduce indoor particulate matter. These measures ensure healthier living and learning environments, with full purifier coverage being completed shortly.



In parallel, extensive outdoor mitigation systems have been activated, including anti-smog guns, outdoor air purifiers, air misting systems, and increased water sprinkling to suppress particulate matter. Long-term sustainability initiatives such as solar energy expansion and electric vehicle adoption continue to reduce emissions. Additionally, the

Health Centre remains fully prepared with medical support, emergency services, and distribution of protective masks to students. These coordinated efforts reflect the University's commitment to maintaining a safe and healthy campus despite the broader regional pollution crisis.



Key Numbers at a Glance

- **3,300** air purifiers procured
- **7** anti-smog guns deployed
- **10** outdoor air purifiers installed
- **5,000** N95 masks distributed
- **24/7** ambulance and emergency services available





ENERGY EFFICIENCY & CONSERVATION

JGU maintains a steadfast commitment to reducing its carbon footprint through integrative design, proactive energy management, and strict policies. To align our campus operations with global sustainability benchmarks, we have significantly reduced reliance on fossil fuels, enabled pedestrian priority, and improved system efficiency in various big and small ways.



Sustainable Campus Mobility

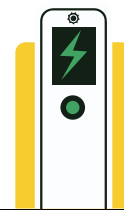
To eliminate internal emissions, JGU has transitioned to a fully green transit model. The university employs a dedicated fleet of electric carts for all internal campus operations, providing zero-emission transport for students, staff, and visitors.



20
Electric golf carts
on campus



30
Electric bikes
on campus



15
EV charging
points

CATEGORY	INITIATIVE	DESCRIPTION	IMPACT
Policy	Vehicular Movement Policy	This University-wide policy has been carefully designed to prioritize the safety and well-being of our university community while supporting our ongoing sustainability initiatives.	Creating a pollution-free, pedestrian access and safety-focused campus for a community of over 20,000 people.
Investment	Electrification of University-owned vehicles	100% of the golf carts operating on the campus premises are fossil fuel free.	A zero emissions means of transportation accessible to all members of the community, which significantly reduces our Scope 1 emissions.
Incentive	Employee commute	JGU provides a free-of-cost shuttle service that can be availed by all employees, a majority of which reside in the vicinity of the campus.	Reduced reliance on personal vehicles significantly reduces our Scope 3 emissions.
Inclusive workforce	Employing women drivers	48% of our on-campus vehicle operators are women, a practice that ensures that our progressive steps for climate action also integrate our aim to empower underrepresented categories.	Showcases University-wide alignment with SDG 5: Gender Equality.
Regulation	Extension of transportation policies to third-party vendors	The No-Vehicle policy on campus is extended across the value chain, with no exceptions.	Strengthens our zero emissions goal by eliminating on-site combustion on a higher level.

Smart Infrastructure & Technology: Energy by Design

The university has integrated high-performance hardware to drastically reduce passive energy consumption:



FEATURE	SUSTAINABLE UPGRADE	DESCRIPTION	ESTIMATED ENERGY REDUCTION*
Lighting	100% LED Lights	The campus uses LED lighting, reducing energy consumption.	50% to 80%
Thermal Envelope	Kingspan Quadcore Panel	We use Quadcore insulated panels for better thermal insulation, lowering heating and cooling.	Up to 20% (HVAC Load)
Air Circulation	BLDC Fans	High-efficiency BLDC fans are used across the campus, using up to 50% less power than conventional fans.	50% to 65%
Controls	Sensor and Intelligent Controls	Smart sensor lights and thermostats adjust to occupancy and temperature to optimize energy use.	20% to 30%
HVAC	VRV (Variable Refrigerant Volume)	High-efficiency systems adjust refrigerant flow per room for precise, independent zone temperature control.	15% to 40%

*References

- U.S. Department of Energy
- Kingspan Jindal pvt. Ltd. Energy Purse
- Energy and Buildings* (*Vishal Garg, N.K. Bansal, Smart occupancy sensors to reduce energy consumption, Energy and Buildings, Volume 32, Issue 1, 2000, Pages 81-87)
- AirLogix LLM



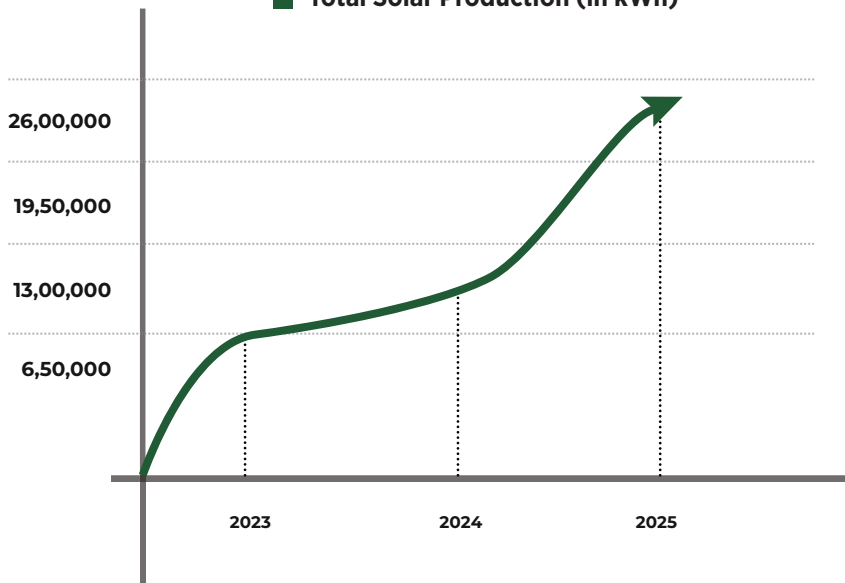
Key Milestone: Through these integrated measures, JGU continues to lower its operational energy intensity while maintaining a world-class environment for higher education.

RENEWABLE ENERGY

7 AFFORDABLE AND CLEAN ENERGY



■ Total Solar Production (in kWh)

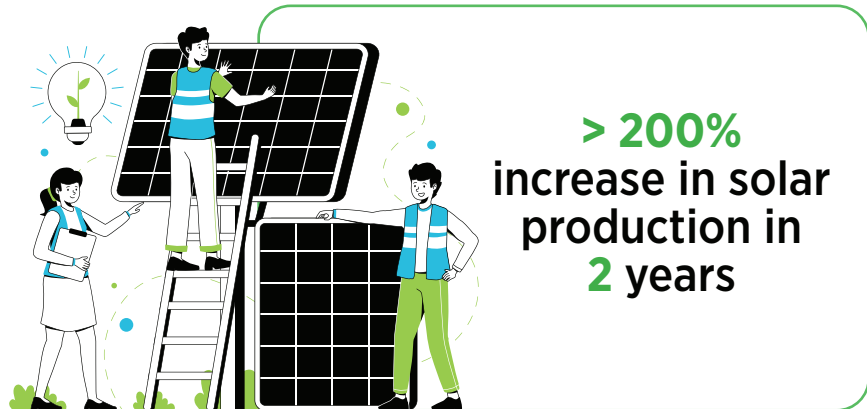


JGU has demonstrated a strong institutional commitment to reducing its operational carbon footprint through accelerated investment in on-campus solar energy generation.

In 2024, the University's solar installations generated **11,82,486.4 kWh** of electricity.

By 2025, this figure increased to **25,56,308.4 kWh**, representing an increase of more than **100%** within a single year.

This substantial expansion reflects not only additional installed capacity but also a strategic prioritization of clean energy as a core component of JGU's sustainability framework. By scaling renewable energy production at this pace, the University has meaningfully reduced its dependence on grid electricity and, consequently, its Scope 2 emissions.



AVOIDED EMISSIONS



Avoided emissions refer to the greenhouse gas (GHG) emissions that do not occur because a lower-carbon activity replaces a more carbon-intensive alternative. In energy systems, this typically means the emissions that would have been produced if electricity had been generated from fossil fuels (such as coal, oil, or natural gas) but instead is supplied by a cleaner source.

RENEWABLE ENERGY	METHODOLOGY	AVOIDED EMISSIONS
Solar energy powering JGU's buildings	In 2025, JGU's solar installations generated 25,56,308.4 kWh of electricity. Using a representative grid emission factor of 0.82 kg CO₂e per kWh¹, the avoided emissions for 2025 are calculated as follows: $\frac{25,56,308.4 \text{ kWh} \times 0.82 \text{ kg Co}_2\text{e/kWh}}{1000} = 2,096.2 \text{ t Co}_2\text{e}$	Avoidance of approximately 2,096.2 tonnes of CO₂ equivalent emissions.
Fully electric vehicles for sustainable mobility within our campus	A common fleet of 20 golf carts caters to 9,000 students daily, supplemented by 2 specialized DSC units. The average distance travelled is approximately 40 to 45 kilometers daily. For calculating the contribution of the fleet, we benchmark against an equivalent petrol-driven fleet operating at a fuel efficiency of 8 litres per 100 kilometres and an emission factor of 2.31 kg CO₂e per litre of petrol².	Avoidance of approximately 60.706 tonnes of CO₂ equivalent emissions.

Sources:
1. Central Electricity Authority, Government of India
2. EMEP/EEA air pollutant emission inventory guidebook 2023

WATER

As a fully residential campus, managing water responsibly is a core pillar of our sustainability strategy. The university recognizes its high water demand, driven by its residential nature requires proactive stewardship. We are committed to a circular water economy through infrastructure investment, behavioural change, and data-driven optimization.

Groundwater Restoration

To mitigate our reliance on borewells, we operate a sophisticated groundwater recharging network.

- **Infrastructure:** We utilize 67 strategically located rainwater recharge pits.
- **Engineering Specifications:** Each pit measures 3 meters in diameter and 4 meters in depth.
- **Environmental Impact:** These systems are capable of replenishing approximately **65,463.89** cubic meters of water annually, directly restoring local aquifers.



FEATURE	PERFORMANCE METRIC
Rainwater Recharge Pits	67 Units
Design	Circular and square
Total Recharge Capacity (per Cycle)	1,576.7 KL
Recharge Efficiency	99.90%
Recharge Cycles per Year	87
Campus Water Demand	1,600 KL /day
Demand Offset Potential	23.50% annually & 71.60% during monsoons
Estimated Annual Contribution	1,37,448 KL annually (fulfilling up to 86 days of total campus water demand)
Borewell Usage	100% Domestic Water
Energy Saved	68,724 kWh per Year
Avoided CO2 emissions	49,982 kgs per Year
Average CO2 saving	136.9 kgs per Day



Water-Conscious Landscaping

Our landscaping strategy minimizes the demand for freshwater through innovative irrigation and species selection:

- **Zero Freshwater Irrigation:** The university ensures that 100% of landscape irrigation is provided by treated wastewater.
- **Resilient Species:** We have planted 1,52,140 native, drought-resistant trees and shrubs.
- **Biodiversity Selection:** Key species include *Mitragyna parviflora* (Kadamb), *Bauhinia purpurea*, and *Dalbergia sissoo*, all chosen for their ability to thrive with minimal water input.



METRIC	CAMPUS DATA
Total Flora Count	1,52,140 Trees and Shrubs
Freshwater for Irrigation	0% (100% Treated Wastewater)
Primary Water Source	Borewells (Domestic Use)

Operational Efficiency & Future Commitment

We continually upgrade our campus facilities to reduce distribution losses and consumption:

CONSERVATION TOOL	IMPACT	STATUS
Sensor Water Dispensers	Provides automated conservation at university touchpoints.	Active
Circulation Pumps	Improves distribution reliability and reduces wastage and stagnation.	Active
Water Aerators	Lowers water consumption and enhances daily operational efficiency.	In progress
Waterless Urinals	Reduces water use and reinforce long term sustainability.	In progress

Assumptions used for Groundwater Restoration Metrics

PARAMETER	VALUE	SOURCE
Grid Emission Factor	0.727 kg CO ₂ /kWh	CEA 2023–24
Energy Intensity (water)	0.5 kWh/m ³	UNFCCC / MDPI
CO ₂ per tree/year	21.77 kg CO ₂ /tree/year	8BillionTrees
Per Capita Water Norm	135 LPCD	CPHEEO / MoUD

SUSTAINABLE DINING MILESTONES

Annual Performance Metrics

JGU’s commitment to SDG 3 (Good Health and Well-being) is measured through our “Clean Campus Dining” framework. In 2025, we achieved significant quantitative milestones in ingredient substitution and dietary diversification.

Ingredient Substitution & Health Optimization

We have transitioned from traditional culinary staples to high-density nutritional alternatives across all 2025 dining operations.

METRIC	2025 BASELINE	2025 ACHIEVEMENT	YEAR TO YEAR CHANGE
Refined flour usage	45% grain volume	0% (Institutional Ban)	-100%
Whole grain/gluten free adoption	15% of menu sharing	65% of menu share	+333%
Artificial additive content	Occasional use	0% (MSG, Margarine, Colours)	-100%
Preparation method (Frying)	30% of event menu	0% (Replaced by Steam/Bake)	-100%

Community Wellness Indicators

Based on our 2025 Dining Satisfaction Survey and nutritional auditing:

- **Nutritional Density:** Average fibre content per meal increased by **35%** through the integration of pulses, whole grains, and plant-based proteins.
- **Event Compliance:** **100%** of campus-wide events adhered to the “No-MSG/ No-Margarine” mandate.
- **Menu Diversity Index:** Integration of **12** new plant-based recipes per month to cater to global dietary preferences (Vegan, Keto-friendly, and Allergen-free).



Nutritional Transparency:

Every dining space is equipped with nutritional charts that provide real time information regarding calories and other essential food related data from the daily menu.

WASTE MANAGEMENT

Waste Segregation

A structured waste segregation system has been implemented across the premises to ensure responsible waste management at the source. Clearly labelled bins are provided for dry, wet, and hazardous waste, enabling effective classification and disposal. Dry waste includes paper, plastics, metals, and packaging materials. Wet waste comprises biodegradable matter such as food and organic waste and hazardous waste includes chemicals, batteries, and other potentially harmful substances. This systematic segregation minimizes contamination, enhances recycling efficiency, and reduces the volume of waste directed to landfills.



Disposal of Medical Waste

Medical and other hazardous waste is managed in accordance with prescribed safety protocols to mitigate environmental and health risks. Such waste, including contaminated materials and chemical substances, is segregated and disposed of through authorized channels. This ensures safe handling, prevents exposure, and maintains compliance with applicable environmental and public health standards.



Menstrual Waste

The university manages menstrual waste through dedicated segregation systems to ensure hygiene and safety. Collected waste is diverted to specialized facilities for sterilization and resource recovery, transforming it into recycled materials. This circular approach minimizes landfill impact and reinforces our commitment to sustainable waste management.



Disposal of E-Waste

Electronic waste is systematically collected and channelled to authorized recyclers for safe processing and material recovery. This approach prevents the release of hazardous substances into the environment while promoting the reuse of valuable resources. Proper e-waste management contributes to pollution reduction and supports sustainable resource utilization.



No Plastic Use Policy

The institution is committed to minimizing the use of plastics, particularly single-use plastics, across its operations. Efforts are made to promote sustainable alternatives and encourage responsible consumption practices. This policy aims to reduce plastic waste generation and align with broader environmental sustainability objectives.



CAMPUS CARBON MAPPING & DIGITAL TREE TAGGING

The Campus Carbon Mapping & Digital Tree Tagging Initiative is a comprehensive effort to digitally map, document, and monitor the university’s green cover using QR-based technology integrated with iNaturalist. Each tree is assigned a unique QR code capturing key ecological data such as species identity, estimated age, ecological and medicinal

value, and carbon sequestration potential. The initiative began with the physical identification and marking of trees across campus, creating a strong baseline for accurate data collection. It is being implemented through a structured, phased approach to ensure scientific rigour, real-time documentation, and long-term usability of data.

PROJECT METHODOLOGY



A key outcome of this project is the development of the university’s first Digital Tree Database, a dynamic repository that will support biodiversity conservation, carbon offsetting strategies, and evidence-based sustainability planning. The initiative also integrates experiential learning, with students actively contributing to field documentation and data collection.

			
Hands-on student learning and research integration	Enhancing urban green cover management	Enabling carbon tracking and supporting climate strategies	Promoting biodiversity conservation and ecosystem awareness



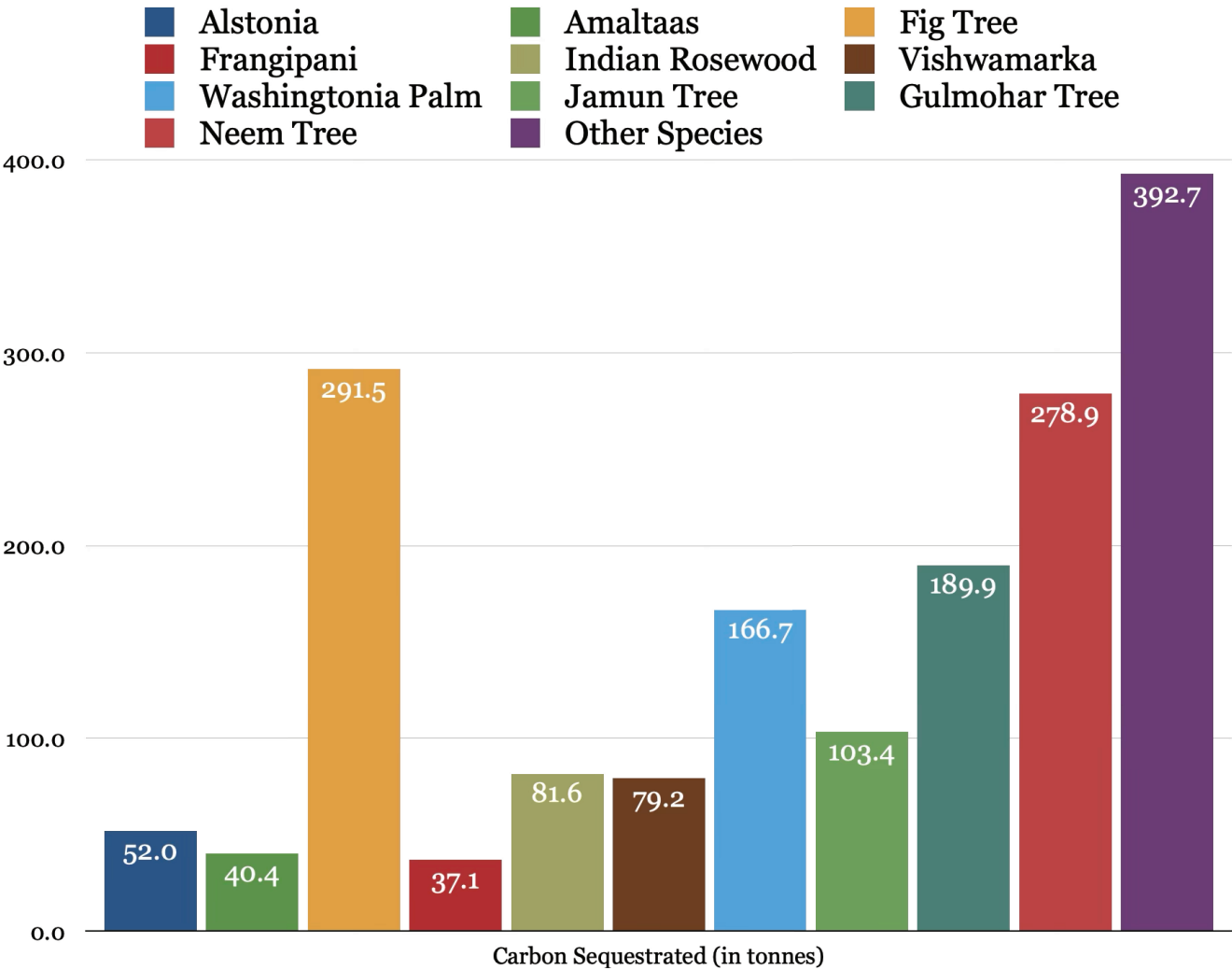
CARBON SEQUESTRATION THROUGH CAMPUS PLANTATION

The estimation of carbon sequestration begins with measuring the girth of each tree at breast height using a measuring tape. The girth is then used in standard allometric equations to calculate Above Ground Biomass (AGB), which is further used to estimate Below Ground Biomass (BGB) as a proportion. The total biomass is converted into carbon stock using a carbon fraction, and finally into carbon dioxide equivalent (CO₂) by multiplying by.

The campus plantation indicates that the trees and plants at JGU collectively sequester approximately 1,713.49 tons of CO₂. This reflects the cumulative impact of a diverse and well-distributed green cover across the campus. Species composition, tree density, and age distribution play a significant role

in determining total carbon storage, with mature trees contributing substantially higher biomass and therefore greater carbon sequestration capacity compared to younger plantations.

This level of carbon sequestration underscores the campus’s role as an important carbon sink within its regional context. Beyond climate mitigation, the existing vegetation also delivers co-benefits such as improved air quality, microclimate regulation, and ecological support for biodiversity. Strengthening plantation drives and ensuring long-term maintenance of existing trees can further enhance this sequestration potential, positioning the campus as a model for nature-based solutions in institutional settings.





ANNUAL AUDITS FOR SUSTAINABILITY

Three comprehensive external audits fulfilling the mandatory audit requirements set by the National Assessment and Accreditation Council (NAAC) and reflect the university's sustained commitment to evidence-based environmental governance.

All three audits were conducted through:



Physical site inspections



Field measurements



Review of records and logbooks



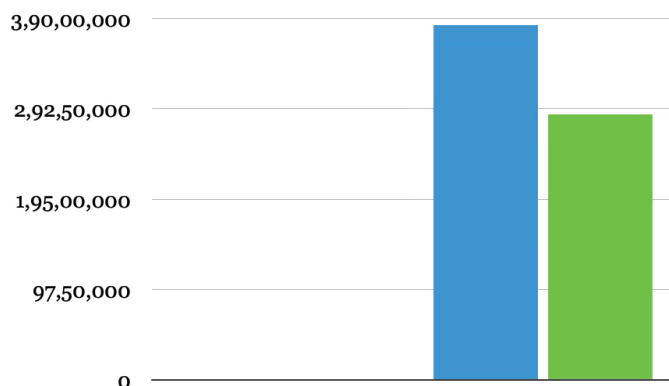
Structured interviews with campus teams

Each audit received a satisfactory assessment, with the audit team formally certifying that energy-saving and sustainability initiatives at JGU are well-implemented and noteworthy.



The Energy Audit

Examined grid electricity, solar photovoltaic generation, diesel generator usage, air-conditioning systems, lighting, fans, water pumps, and power factor management across the entire campus. The findings reflect a clear and significant shift toward energy efficiency and renewable generation.



Grid electricity consumption fell by 25% in one academic year

The university's roadmap is directed toward progressively reducing the grid and fossil fuel share by expanding solar capacity and exploring open-access renewable

The reduction in grid electricity consumption was achieved despite the campus's growing student and faculty population, indicating a genuine improvement in energy efficiency rather than simply reduced occupancy.

At the same time, solar photovoltaic generation more than doubled, as newly commissioned installations at Gate 1, Gate 2, and the Naveen Jindal Sports Academy, added to the existing rooftop arrays across hostels, academic buildings, and the Vidya Devi Jindal Dining Block.



The Environment Audit

Reviewed the university's water sourcing, consumption patterns, treatment systems, and conservation infrastructure. Hostel accommodation, which houses the campus's **16,000+** students, accounts for **89%** of the total monthly consumption, with gardening (**6%**), kitchen and toilets (**3%**), and drinking water (**2%**) comprising the remainder.

The Green Audit

Documented the university's extensive campus flora and the biodiversity it sustains. Over **50%** of the total campus area, spanning **18,15,667** square feet, is maintained as green and landscaped space, managed by a dedicated horticulture team of above 90 staff. The campus hosts **1,815** full-grown trees, **12,285** semi-grown trees, and **2,39,170** hedge plants, with an on-site nursery maintained for propagation. Two plantation drives were conducted during the year, adding **980** plants at a survival rate exceeding **80%**.



JGU HEALTH CENTRE: DEDICATED TO COMMUNITY WELLNESS



JGU Health Centre ensures equitable and accessible preventive healthcare by promoting healthy lifestyles through quality primary care and early detection for students, faculty, and staff.

3 GOOD HEALTH AND WELL-BEING



Comprehensive Care & Accessibility



Expert Leadership:

Led by a consultant surgeon with a skilled medical and nursing team.



24/7 Availability:

Round-the-clock compassionate medical support



Proactive Guidance:

Regular advisories on issues like pollution and exam stress.

Social Responsibility & Outreach

JGU Healthcare extends services beyond the campus by offering free medical consultations and essential medicines to on-campus construction workers and underprivileged local community members.

10 REDUCED INEQUALITIES



SUKOON: SAFEGUARDING STUDENT WELLNESS



In partnership with Sukoon, JGU provides free, confidential mental health services. Following an “Educate, Detect, Treat” model, on-site professionals offer one-on-one counselling and resilience building workshops to destigmatize mental health and support student well-being.

3

GOOD HEALTH AND WELL-BEING

17

PARTNERSHIPS FOR THE GOALS

Key Highlights

Mental Health:
Professional counselling and therapy via Sukoon at no cost.

Medical:
24/7 care, regular health advisories, and social outreach.

Community:
Proactive workshops on stress management and healthy living.

Annual Impact and Reach

The reporting period (April, 2025 to March 2026) saw significant engagement across the JGU Community.

METRIC	ENGAGEMENT TOTAL
Individual Clients Served	1,536
Total Emergencies Managed	854
Community Touchpoints	Includes workshops, events and digital outreach

Confidentiality and Care: All services are non-judgemental and student centric, ensuring a safe environment for all community members to seek help.

ACCESSIBILITY

JGU is dedicated to fostering an environment where physical and systemic barriers are dismantled. By aligning our campus evolution with SDG 10 (Reduced Inequalities) and SDG 4 (Quality Education), we ensure that all community members, regardless of physical or cognitive abilities, can navigate and succeed within our ecosystem.



Universal Design & Physical Access

Our campus infrastructure is engineered to uphold the dignity and independence of every individual, meeting the core objectives of SDG 11. This practice is at the heart of all our academic, residential, and public spaces such as The Constitution Museum.



Seamless Mobility:
Comprehensive ramp systems are integrated into entry points and primary pathways, ensuring uninterrupted movement for wheelchair users.



Adaptive Facilities:
Elevators are equipped with Braille signage, empowering visually impaired residents and visitors to navigate buildings with autonomy.

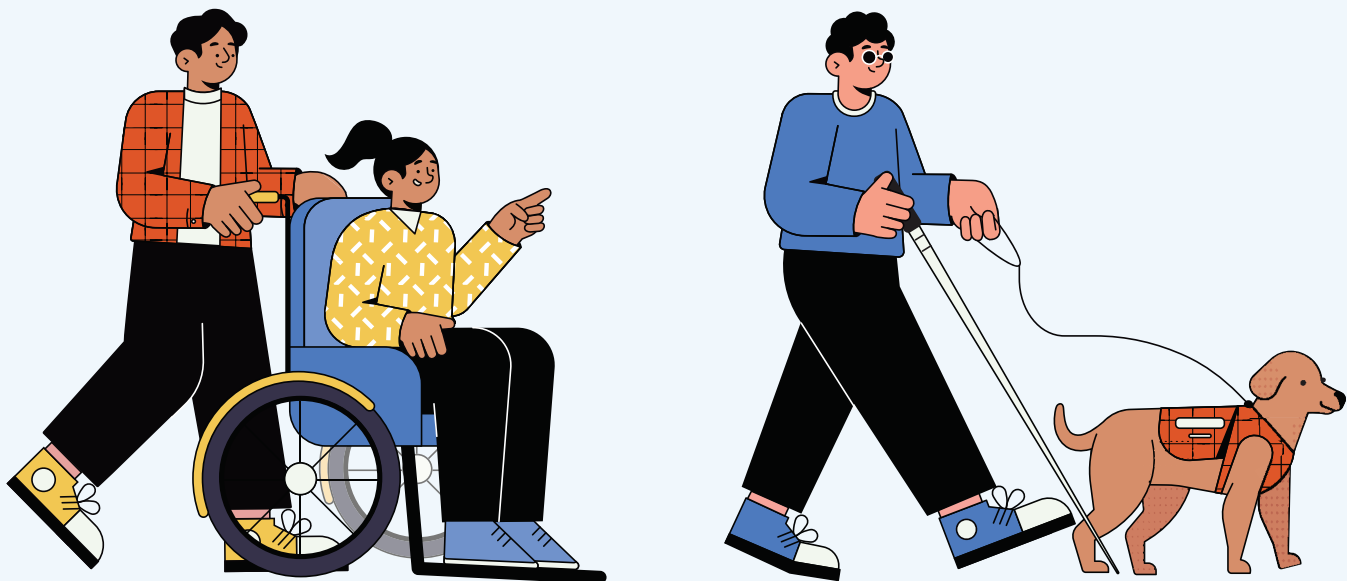


Tactile Navigation:
Elevators are equipped with Braille signage, empowering visually impaired residents and visitors to navigate buildings with autonomy.

Specialized Inclusive Mobility

In a significant step towards inclusive transit, JGU has introduced wheelchair accessible electric carts. This initiative specifically addresses the mobility needs of persons with disabilities, ensuring that the campus’s sustainable transport network is available to everyone without exception.





Disability Support Committee (DSC)

Beyond physical infrastructure, JGU provides a robust socio-academic framework through the DSC. Operating under the Rights of Persons with Disabilities Act (2016) and UGC Guidelines, the committee facilitates:

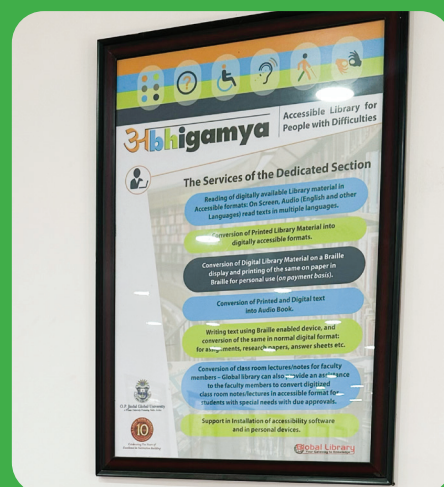
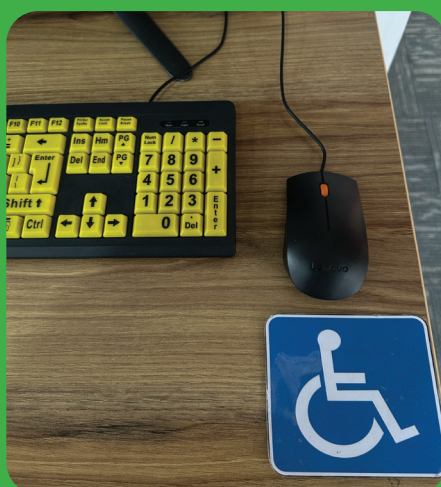
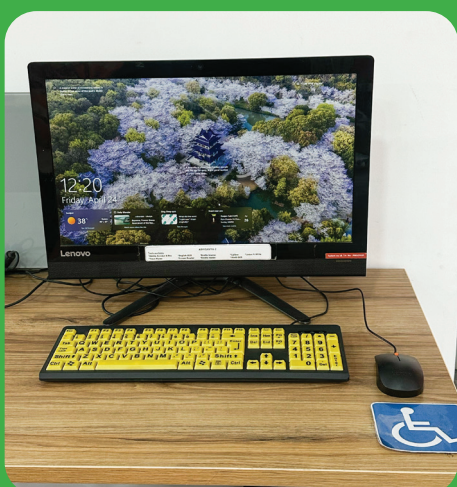
- **Individualized Accommodations:** Support for a diverse spectrum of conditions, including physical, visual, auditory, and mental health-related challenges.
- **Academic Equity:** Tailored learning adjustments that ensure students with disabilities have an equal platform for academic excellence.
- **Confidentiality:** A strictly private registration process that respects the personal data and dignity of every student seeking support.

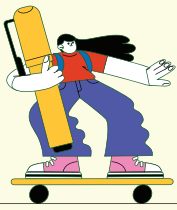
Abhigamya: The Accessible Library

To ensure equitable access to knowledge, the Global Library features Abhigamya, a dedicated wing for members with special needs. This facility acts as a bridge to digital inclusion by:

Assistive Technology: Utilizing advanced hardware and software to convert standard text into digital Braille or audio formats.

Universal Content Conversion: Transforming any library resource into accessible digital media, supporting both on-campus and remote learning to ensure no student is left behind in the pursuit of knowledge.





THE ROAD AHEAD



Reducing Waste Sent to Landfill

JGU is committed to a rigorous waste reduction strategy centred on a comprehensive “No Plastic” policy and strict alignment with third-party vendors to ensure sustainable supply chains. By maximizing in-house segregation and converting waste into useful products, we aim to significantly cut down on incineration. Our approach to responsible procurement ensures that sustainability is embedded at the point of origin for all campus resources.



Driving the Circular Economy

To foster a truly circular economy, we are focusing on increasing the volume of waste destined for recycling through community-led collection drives and strategic partnerships with NGOs. These efforts are supported by a commitment to making data-driven decisions, allowing us to monitor progress accurately and optimize our resource recovery systems for maximum environmental benefit.



Energy Transition

Our energy transition is characterized by a shift towards energy efficiency achieved through phased audits and continuous infrastructural improvements. We are actively pursuing green building certifications for our facilities while reducing our reliance on fossil fuels. Key to this transition is the expansion of our electric vehicle (EV) fleet and the enhancement of on campus charging capacity to support sustainable mobility.



Green Infrastructure

The university’s physical landscape is being transformed into a hub for ecological health. This includes the maintenance of a dedicated vegetable garden and the implementation of regular biodiversity and environmental audits. These measures ensure that our growth remains in harmony with the local ecosystem and provides a living laboratory for environmental stewardship.



Civic Engagement

JGU will continue to deepen our engagement with local communities through long-term partnerships with residents, schools, and non-profits. We seek to promote sustainable development as an inclusive mission based on equity, participation and collective well-being by expanding access to justice, supporting grassroots workers and strengthening community-centred programs.



Embedding SDGs in the Curriculum

Sustainability is being woven into the academic fabric of JGU through partnerships with global organizations like Sulitest. We are meticulously mapping student projects, guest lectures, study abroad opportunities, and core courses against the United Nations SDGs. This ensures that every JGU graduate enters the workforce with a deep understanding of global sustainability challenges and solutions.



Exploring Cutting-Edge Research and Technologies

JGU is investing in the future through research into innovative technologies such as piezoelectric tiles for energy harvesting and Direct Air Capture systems. Through multinational partnerships, we are positioning the university at the forefront of global climate tech innovation, contributing to scalable solutions for carbon reduction and renewable energy.



Academic Dialogue

JGU will engage with the STAR Network in 2026. The Scholars at Risk (STAR) Network is an international alliance of over 500 institutions in 40 countries that works to protect scholars and promote academic freedom. Our involvement will highlight the intersection of academic freedom and the pursuit of the SDGs in a changing global climate.



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