GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY IPU

NEW DELHI

1 NO POVERTY

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), established in 1998 by the Government of NCT of Delhi under the GGSIPU Act and accredited with NAAC A++ (CGPA: 3.56), is a teaching, affiliating, and research-intensive public university with a strong commitment to societal responsibility, community welfare, and inclusive development. The University's structure and governance frameworks embed social justice, community engagement, and economic empowerment as part of its institutional ethos.

Commitment to SDG 1: No Poverty

GGSIPU supports poverty alleviation through its multidisciplinary Schools and Centres, particularly the University School of Humanities & Social Sciences, School of Management Studies, School of Law & Legal Studies, School of Environment Management, Centre for Sustainable Development, CSR Centre, Atal Incubation Centre (AIC-GGSIPU), Corporate Social Responsibility Centre, and Community Engagement & Extension Units.

Through these institutional structures, the University works to address multidimensional poverty, livelihood inequality, financial inclusion, skill-based empowerment, legal accessibility, rural sustainability, and social entrepreneurship. The University promotes inclusive education, subsidised

student support schemes, legal aid, and vocational outreach programmes, particularly for underserved communities in Delhi NCR and neighbouring regions.

Key Initiatives and Partnerships Supporting SDG 1

Initiative	Stakeholders	SDG Link
Community Skill Development in villages (Amberahi, Pochanpur)	Local Panchayats, NGOs, Skill India Mission	SDG 1, 4, 8
Rural Entrepreneurship Mentorship (through AIC-GGSIPU & IIC)	MSME Ministry, SIDBI, Start-up India, SEWA	SDG 1, 5, 8, 9
Legal Aid & Social Justice Clinics	Delhi Legal Services Authority, School of Law	SDG 1, 10, 16
Financial Literacy & Self-Help Group Support	CSR Centre and MBA student cohorts	SDG 1, 5, 8
Health Awareness Camps in Low-Income Areas	Local health departments, NGOs	SDG 1, 3

Policy Engagement and Capacity Building

GGSIPU enables policy influence and capacity building through:

- Financial literacy programmes for low-income households

- Entrepreneurship and livelihood training for rural women, artisans, and youth

- Legal aid clinics offering pro bono support for citizens in need

- Research-based advisory on informal sector challenges and urban poverty

- Conferences on social justice, sustainable development, and welfare governance

These programmes are supported through government agencies, NGOs, corporate CSR wings, and academic partners.

SDG 1 Research Contributions

The University has contributed **41 Scopus-indexed publications specifically aligned with SDG 1**, covering areas such as:

- Multidimensional poverty measurement and policy modelling

- Welfare economics, social protection, and income inequality

- Microfinance, women-led entrepreneurship, and cooperative development

- Urban poverty, social vulnerability, and inclusive governance

- Skill development, community enterprises, and sustainable livelihoods

These research outputs inform public policymaking and SDG-linked intervention strategies.

Community Outreach and Impact

GGSIPU conducts sustained outreach programmes in low-income and peri-urban communities, including:

- Digital literacy training for low-income children and youth

- Market-based income support through Self-Help Groups

- Awareness programmes on government welfare schemes (PMAY, Ayushman Bharat, Jan Dhan)

- Legal support for access to rights and entitlements

- Public health awareness, hygiene education, and access camps

These initiatives empower vulnerable groups by enhancing financial autonomy, legal access, skills, and livelihood resilience.

Conclusion

GGSIPU's work on SDG 1 integrates education, research, community partnerships, entrepreneurship, policy advisory, and outreach, contributing to systemic poverty reduction. The University promotes economically sustainable, socially inclusive, and institutionally supported models of community empowerment, demonstrating meaningful engagement toward SDG 1: No Poverty.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), established by the Government of NCT of Delhi and accredited with NAAC A++ (CGPA: 3.56), contributes to food security, nutrition, public health, agricultural sustainability, and community welfare through education, research, outreach, and knowledge partnerships. The University addresses hunger not only as a problem of food scarcity but as a multidimensional challenge linked to health, livelihoods, governance, equitable distribution, and social inclusion.

Institutional Structures Supporting SDG 2

The University's work on SDG 2 is facilitated by Schools and Centres including the:

- University School of Medicine and Para-medical Health Sciences

- University School of Biotechnology

- University School of Environment Management

- University School of Basic & Applied Sciences

- Centre for Sustainable Development

- CSR Centre

- Atal Incubation Centre (AIC-GGSIPU)

These departments collectively engage in teaching, community health, nutrition awareness, food security research, sustainable agriculture practices, bio-farming innovations, and enterprise-based solutions for rural food economy improvement.

Key Initiatives & Collaborations Supporting SDG 2

Initiative	Stakeholders	SDG Link
Nutrition and Health Awareness Camps in Rural Villages	Public Health Department, NGOs, Local Panchayats	SDG 2, 3
Bio-Fortified Food Research and Nutraceutical Development	Biotechnology School, Agriculture Enterprises	SDG 2, 9
Community Kitchen Support and Food Distribution Drives	CSR Centre, NSS Units, Local NGOs	SDG 1, 2
Food Waste Reduction & Safe Storage Projects	Environment Management School, Municipal Bodies	SDG 2, 12
Start-up Support in Agri-Tech and Food Sustainability	AIC-GGSIPU, SIDBI, Start-up India	SDG 2, 8

These programmes promote nutrition literacy, food security, nutrition-based disease prevention, and sustainable agri-entrepreneurship.

Community and Outreach Impact

Through community engagement and student-led initiatives, the University supports vulnerable populations by:

- Organising nutrition camps promoting maternal and child health

- Conducting awareness drives on anaemia, malnutrition, and food hygiene

- Encouraging establishment of kitchen gardens and school nutrition clubs

- Facilitating food collection and redistribution drives in urban slums

- Training youth and women groups in micro-enterprises for food products, dairy, and horticulture

These engagements reduce food insecurity, improve nutrition awareness, and support dignified livelihoods.

Research Contributions to SDG 2

GGSIPU has produced **172 Scopus-indexed publications directly relevant to SDG 2**, covering areas such as:

- Malnutrition, stunting, and micronutrient deficiencies

- Food biotechnology, nutraceutical development, and bio-fortified crops

- Nutrition policy, food distribution governance, and community health

- Sustainable food supply chains, agri-business, and waste mitigation

- Bioinformatics applications in crop yield, soil health, and nutrition genetics

Faculty contributions inform nutritional reform, public health policy, and food innovation research.

Policy Engagement and Capacity Building

The University contributes to policy-oriented SDG 2 efforts through:

- Collaborations with health departments on nutrition planning and public health data

- Workshops on food security, hunger, and sustainable agriculture policy

- Partnerships promoting agritech, dairy entrepreneurship, and sustainable horticulture

- Faculty advisory participation in policy consultations on food fortification and waste reduction

These programmes support systemic solutions that link research, policy, and community needs.

Conclusion

GGSIPU's work under SDG 2 integrates research-driven nutrition science, biotechnology innovation, public health education, sustainable food practices, community outreach, and policy advisory. By addressing the root determinants of hunger—nutritional awareness, food access, women's health, and rural livelihood resilience—the University demonstrates meaningful engagement with SDG 2: Zero Hunger.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), established by the Government of NCT of Delhi under the GGSIPU Act and accredited with NAAC A++ (CGPA: 3.56), plays a critical role in advancing the vision of SDG 3: Good Health and Well-Being. As a teaching, affiliating, and research-intensive institution, GGSIPU integrates medical sciences, public health, psychological well-being, environmental health, telemedicine, and community health outreach, combining research, policy engagement, and inclusive service delivery.

Institutional Support for SDG 3

SDG 3 activities are anchored by the following units:

- University School of Medicine & Para-Medical Health Sciences

- University School of Biotechnology

- University School of Law and Legal Studies (health rights, policy)

- Centre for Sustainable Development

- CSR Centre

- NSS/NCC Units

- Atal Incubation Centre (AIC-GGSIPU) – Healthcare Innovation

These Schools facilitate clinical training, healthcare research, disease prevention programs, telemedicine innovation, policy-led outreach, and training of health professionals.

Key Initiatives and Partnerships Supporting SDG 3

Initiative	Stakeholders	SDG Link
Community Health Screening Camps	Local Health Departments, NGOs	SDG 3, 10
Mental Well-being & Counselling Clinics	University Counselling Cell	SDG 3, 4
Telemedicine and Health-Tech Start-ups	AIC-GGSIPU, Start-up India	SDG 3, 9, 17
Medical Outreach for Slum and Migrant Populations	District Health Units, Hospitals	SDG 1, 3
Health Rights and Policy Advocacy	Legal Services Authority, School of Law	SDG 3, 16

These programmes focus on preventive healthcare, community health literacy, mental health advocacy, maternal care, chronic disease monitoring, and digital health innovation.

Community Health Outreach and Social Impact

GGSIPU demonstrates strong field outreach through:

- Free health camps providing screening for hypertension, diabetes, anaemia, and eye health

- Maternal and child healthcare sessions emphasizing nutrition, vaccination, and neonatal care

- Psychological counselling, stress management workshops, and awareness on suicide prevention

- Tobacco cessation and drug abuse awareness programmes (SDG 3.4)

- Women's health, menstrual hygiene, and reproductive health camps

These outreach initiatives are executed in collaboration with Delhi Government Health Department, Women and Child Welfare bodies, NGOs, local panchayats, and hospitals.

Health Policy and Governance Engagement

The University contributes to public health policy and governance through:

- Faculty advisory on urban health planning, epidemiological surveillance, and One Health frameworks

- Workshops on healthcare ethics, medical law, and health service access

- Support for vaccination awareness (COVID-19, HPV, Rubella)

- Seminars on antimicrobial resistance (AMR) and infectious disease preparedness

- Collaboration with policy think tanks on health inclusion and digital health equity

Research Contributions to SDG 3

GGSIPU has produced 1,070 Scopus-indexed publications directly aligned with SDG 3, covering:

- Epidemiology and pandemic modelling

- Non-communicable disease management (diabetes, cardiovascular, mental health)

- Immunology, pharmacology, and diagnostic biotechnology

- Telemedicine, AI in health, and digital health innovation

- Women's reproductive health, menstrual hygiene, maternal care

- Public health governance, hospital management, and COVID-19 response research

These publications contribute to clinical knowledge, policy frameworks, patient care models, and technology-enabled healthcare solutions.

Healthcare Innovation & Entrepreneurship

Through the Atal Incubation Centre (AIC-GGSIPU) and Institution's Innovation Council, the University supports healthcare start-ups focusing on:

- Mobile screening clinics

- AI-based diagnostic tools

- Low-cost ventilators, medical devices, and assistive technologies

  Health informatics platforms

- Menstrual hygiene management tools

These innovations contribute to accessible healthcare for underserved populations.

Conclusion

GGSIPU's work under SDG 3 signifies a comprehensive integration of medical education, health research, clinical innovation, policy advisory, and community engagement, aligned with the broader principles of inclusive healthcare and societal resilience. By addressing health inequity, promoting digital health, empowering communities, and supporting innovation-led

healthcare entrepreneurship, the University demonstrates strong, impactful alignment with SDG 3: Good Health and Well-Being.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), established by the Government of NCT of Delhi and accredited with NAAC A++ (CGPA: 3.56), is a teaching, affiliating, and research-intensive public university with a strong commitment to providing high-quality, inclusive, affordable, and multidisciplinary education. Aligned with the National Education Policy (NEP) 2020, the University integrates digital learning, value-based education, professional competence, lifelong learning, research innovation, and community engagement into its academic ethos.

Institutional Structures Driving SDG 4

SDG 4 is anchored through the following academic institutions and centres:

- University School of Education

- University School of Humanities & Social Sciences

- University School of Law & Legal Studies

- University School of Information & Communication Technology

- University School of Architecture & Planning

- Centre for Sustainable Development

- Centre for Innovation, Entrepreneurship & Design

- Corporate Social Responsibility Centre

These units support teacher training, curriculum design, ICT-enabled education, sustainable education policy, participatory learning, and community capacity building.

Key Initiatives Supporting SDG 4

Initiative	Stakeholders	SDG Link
Development of Self-Learning Material (SLM) for Open and Distance Learning	AICTE, GGSIPU SLM Cell	SDG 4.3, 4.7
Teacher Education Workshops on NEP 2020 Pedagogy	School of Education, NCERT, SCERT Delhi	SDG 4.7
Digital Learning and EdTech Integration	School of ICT, PM eVidya, DIKSHA Platform	SDG 4.4
Street Law Programme for Legal Literacy	School of Law and Delhi Legal Services Authority	SDG 4.5, 4.7
Skill Development & Lifelong Learning for Communities	CSR Centre, NSS, Local NGOs	SDG 4.3, 4.4

Inclusive Education, Scholarships & Access Initiatives

The University promotes education for underserved and disadvantaged groups through:

- Merit-based and need-based scholarships

- Fee concessions for EWS, PwD, SC/ST/OBC categories

- Reserved seats for students with disabilities and transgender persons

- Orientation programs for first-generation learners

- Legal awareness camps and Street Law Clinics for school children

- Skill training programmes for youth, women, and urban-rural learners

Digital and Lifelong Learning Outreach

GGSIPU advances ICT-enabled education through:

- Online and hybrid teaching initiatives (MOOCs, LMS, Google Classroom)

- Digital literacy workshops in adopted villages

- Remote learning modules under DIKSHA/AICTE frameworks

- Virtual internships, skill modules, and research mentoring

- Digital entrepreneurship programs via AIC-GGSIPU

These programmes ensure mainstream and extended learning beyond degree education.

SDG 4 Research Contributions

The University has produced 150 Scopus-indexed publications linked to SDG 4, focusing on:

- Education policy and curriculum reform

- NEP 2020 implementation research

- ICT-enabled teaching and inclusive classrooms

- Teacher development and pedagogical innovation

- Legal education, health education, and environmental literacy

- Skill-based and community-based education models

These publications contribute to national and global discussions on education equity, blended learning, higher education governance, and lifelong learning.

Community-based Education & Empowerment

The University conducts outreach in villages and low-income urban areas focused on:

- Digital literacy for youth

- Career awareness and higher education guidance

- Workshops on civic literacy, health education, financial literacy

- Women empowerment through education and capacity-building

- Training sessions on spoken English, communication skills, entrepreneurship

These initiatives reduce educational barriers and promote inclusive learning ecosystems.

Conclusion

GGSIPU demonstrates a sustained and meaningful commitment to SDG 4 through quality academic programmes, teacher training, digital pedagogy, inclusive access, lifelong learning opportunities, research-based policy engagement, and community outreach. By integrating knowledge creation, equity, accessibility, and education innovation, the University significantly contributes to SDG 4: Quality Education at institutional, regional, and national scales.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), established by the Government of NCT of Delhi and accredited with NAAC A++ (CGPA: 3.56), promotes gender equality and women's empowerment through education, research, entrepreneurship support, policy advocacy, legal literacy, and community engagement. As a public institution, it aligns with SDG 5: Achieve Gender Equality and Empower All Women and Girls, not only by ensuring institutional equity but by extending empowerment through outreach, innovation, academic training, and societal engagement.

Institutional Structures Supporting SDG 5

Gender-focused initiatives are led through:

- University School of Humanities & Social Sciences

- University School of Law & Legal Studies

- University School of Management Studies

- University School of Medicine & Allied Health Sciences

- CSR Centre

- Centre for Sustainable Development

- Sexual Harassment Prevention Cell (ICC)

- Atal Incubation Centre (AIC-GGSIPU) – Women Entrepreneurship Support

These units foster women's education, health, dignity, financial inclusion, legal protection, research empowerment, and leadership development.

Key Initiatives Advancing SDG 5

Initiative	Stakeholders	SDG Link
Women Entrepreneurship Development Programs	AIC-GGSIPU, SIDBI, WEP, MSME Ministry	SDG 5, 8, 9
Legal Rights, Gender Justice & Street Law Clinics	Delhi Legal Services Authority, Law School	SDG 5, 10, 16
Menstrual Hygiene Awareness & Health Workshops	Health Sciences School, NGOs	SDG 3, 5
Leadership and Career Readiness for Female Students	Management Studies, Industry Mentors	SDG 5, 8
Gender Sensitization, Anti-Harassment Training	ICC, HRDC, NGOs	SDG 5, 16

These initiatives extend institutional support from campus to community, empowering women as learners, leaders, entrepreneurs, and social change agents.

Community Outreach and Social Engagement

By collaborating with Self-Help Groups, rural women's collectives, legal aid bodies, and health NGOs, GGSIPU operates:

- Menstrual hygiene awareness camps in Delhi-NCR settlements

- Women's digital literacy and financial literacy workshops

- Legal sessions on domestic violence, inheritance, and workplace safety

- Training on self-employment, handicraft marketing, dairy and agri-enterprises

- Public awareness drives on gender-based violence and safety rights

These programmes empower women in semi-urban and rural communities through knowledge, livelihood pathways, and legal agency.

Policy, Governance, and Institutional Frameworks

The University ensures gender equity through:

- Internal Complaints Committee (ICC) – Prevention of Sexual Harassment (POSH)

- Gender budgeting in institutional decision-making

- Reserved seats and support for female students and faculty

- Scholarships and fee concessions for women from EWS, SC/ST, and tribal groups

- Mandatory gender sensitization sessions for students, faculty, and staff

- Equal opportunity policy for recruitment and promotions

These reflect active governance alignment with SDG 5.

Research Contributions to SDG 5

The University has produced 62 Scopus-indexed publications related to SDG 5, including research on:

- Women's health, reproductive care, menstrual hygiene

- Gender in entrepreneurship and public leadership

- Legal empowerment, domestic violence, cyber harassment

- Women in STEM, digital inclusion, and equity in higher education

- Gender-sensitive policy design and governance

These research outputs contribute to global debates on gender equity, social inclusion, financial independence, and policy reform.

Entrepreneurial Empowerment of Women

Through AIC-GGSIPU and CSR Centre, the University fosters women's entrepreneurship via:

- Funding support from SIDBI, NIESBUD, WEP, MSME

- Entrepreneurship mentorship for women founders

- Market linkage programmes for women-led enterprises

- Innovation-focused training in healthcare, agriculture, digital services

This supports women's economic participation and leadership.

Conclusion

GGSIPU demonstrates a multi-dimensional commitment to SDG 5 through education, research, legal empowerment, entrepreneurship, community health, policy engagement, workplace equality, and institutional gender governance. The University not only promotes gender equity within campus structures but extends its impact to society through community partnerships, innovation, policy advice, and capacity-building—reflecting meaningful engagement with SDG 5: Gender Equality.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), established by the Government of NCT of Delhi and accredited with NAAC A++ (CGPA: 3.56), demonstrates strong commitment to SDG 6 through education, research, community outreach, capacity building, and policy advisory. The University addresses water quality, sanitation, environmental health, waste management, water governance, and community hygiene as critical drivers of sustainable development, especially in urban and peri-urban contexts.

Institutional Structures Supporting SDG 6

SDG 6 initiatives are supported by:

- University School of Environment Management

- University School of Basic & Applied Sciences

- University School of Biotechnology

- University School of Medicine & Para-Medical Health Sciences

- Centre for Sustainable Development

- Corporate Social Responsibility (CSR) Centre

- Atal Incubation Centre – GGSIPU (AIC-GGSIPU)

- NSS and Community Engagement Units

These bodies conduct water quality research, sanitation projects, environmental monitoring, public health awareness, water testing, pollution control initiatives, and policy engagement on water governance.

Key Initiatives & Collaborations Supporting SDG 6

Initiative	Stakeholders	SDG Link
Water Quality Testing and Monitoring Projects	Delhi Pollution Control Committee, Local Municipalities	SDG 6, 11
Awareness Drives on Safe Drinking Water & Hygiene	Health Departments, NGOs, Panchayats	SDG 3, 6
Toilet Access & Sanitation Workshops for Women	CSR Centre, School of Medicine	SDG 5, 6
Environmental Pollution Mitigation & Water Recycling	Environment Management School, RWAs	SDG 6, 12
Rainwater Harvesting & Sustainable Water Use Projects	Municipal Corporations, Smart City Mission	SDG 6, 9

These projects promote safe water practices, sanitation infrastructure, waste reduction, water reuse, and eco-health literacy.

Community Outreach and Field Engagement

The University collaborates with local civic bodies, Panchayats, and NGOs in Delhi NCR to implement:

- Sanitization drives in rural and urban slum clusters

- Demonstrations on hand hygiene, menstrual hygiene, and safe sanitation

- Training on sustainable domestic water use, greywater reuse, and rainwater collection

- Installation of water filters in community schools and Anganwadi centres

- Programs for women-led water management and sanitation entrepreneurship

These initiatives target vulnerable populations to improve access, awareness, and dignity in water and sanitation contexts.

Health and Hygiene Literacy

Sanitation and hygiene programmes conducted by faculty and students focus on:

- Waterborne disease prevention (cholera, typhoid, dengue)

- Menstrual hygiene education for adolescent girls

- Household sanitization and community cleanliness programmes

- Waste disposal guidance and segregation awareness

- Training households on bio-toilets and low-cost sewage treatment solutions

These programs support both SDG 3 and SDG 6 through preventive healthcare and public awareness.

Research Contributions to SDG 6

GGSIPU has produced 317 Scopus-indexed publications specifically aligned with SDG 6, covering:

- Water pollution and contamination assessment

- Water quality modeling, groundwater recharge, hydrology studies

- Wastewater treatment, sustainable sanitation, bio-remediation

- Community health, waterborne disease mitigation, environmental microbiology

- Climate-linked water stress and governance models

These research contributions support municipal planning, water policy reform, climate action, and health-based water management solutions.

Policy Engagement and Capacity Building

The University supports policy-linked SDG 6 actions through:

- Advisory collaboration with municipal authorities on water policy and sanitation

- Expert research inputs for Delhi Jal Board and Swachh Bharat Mission

- Workshops for local environmental professionals, school teachers, and students

- Faculty contributions to sustainable city planning and climate resilience publications

These engagements foster an evidence-based policy approach.

Conclusion

GGSIPU's contributions to SDG 6 span research, innovation, policy advisory, sanitation infrastructure, community awareness, and health education. The University actively works to enhance water security, improve sanitation practices, reduce pollution, and support sustainable environmental management, demonstrating strong institutional alignment with SDG 6: Clean Water and Sanitation.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), established by the Government of NCT of Delhi and accredited with NAAC A++ (CGPA: 3.56), plays a significant role in advancing SDG 7 through research, clean energy innovation, capacity building, policy engagement, sustainability leadership, and industry collaboration. Through its academic ecosystem, the University contributes to energy accessibility, renewable technology adoption, carbon awareness, clean-tech entrepreneurship, and climate-resilient infrastructure in both urban and rural settings.

Institutional Structures Supporting SDG 7

SDG 7 activities are coordinated through:

- University School of Environment Management

- University School of Biotechnology

- University School of Engineering & Technology

- University School of Basic & Applied Sciences

- Atal Incubation Centre (AIC-GGSIPU) – Clean Tech Support

- Centre for Sustainable Development

- Corporate Social Responsibility (CSR) Cell

These units focus on renewable energy research, green technology development, carbon footprint assessment, and environmental innovation.

Key Initiatives and Collaborations Supporting SDG 7

Initiative	Stakeholders	SDG Link
Solar Panel Installations and Renewable Energy Awareness	Delhi Government, Smart Energy Mission	SDG 7, 13
Biofuel and Biomass Research Projects	Biotechnology School, MSMEs	SDG 7, 9
Clean-Tech Start-up Mentorship under AIC-GGSIPU	SIDBI, Start-up India, Green India Mission	SDG 7, 8
Carbon Emission Mitigation & Energy Efficiency Workshops	CSR Centre, Environment Dept.	SDG 7, 13
Green Buildings & Sustainable Campus Initiative	Municipal Bodies, Delhi Jal Board	SDG 6, 7, 11

These initiatives promote energy conservation, responsible use, renewable innovation, and low-carbon entrepreneurship.

Clean Energy Innovation and Entrepreneurship

Through AIC-GGSIPU, the University supports student and faculty-led innovation in:

- Solar-powered clean cooking solutions

- Low-cost renewable energy storage devices

- Portable solar chargers, DIY energy kits

- Waste-to-energy conversion technologies

- Affordable home-based biomethanation systems

These promote affordable clean energy for small enterprises, rural households, and urban sustainability needs.

Research Contributions to SDG 7

GGSIPU has produced 756 Scopus-indexed publications specifically aligned with SDG 7, focusing on:

- Solar and wind energy technologies

- Microgrid systems and energy storage efficiency

- Biofuels, biomethanation, and carbon-neutral energy

- Waste-to-energy transformation and environmental biotechnology

- Smart city energy solutions and emission-reduction modeling

- Renewable energy policy integration and sustainable governance

These contributions influence urban energy planning, SME adoption, rural electrification, and clean energy policy.

Educational and Awareness Initiatives

GGSIPU promotes clean energy literacy through:

- Student-led clean energy awareness drives

- Campaigns on energy conservation, fossil-fuel reduction, and green transport

- Workshops on solar engineering, battery management, and energy management

- Training on designing solar-powered homes, streetlights, and rainwater-energy integration systems

- Certification programs in sustainability and ESG-linked renewable economics

These programs strengthen public understanding of energy sustainability.

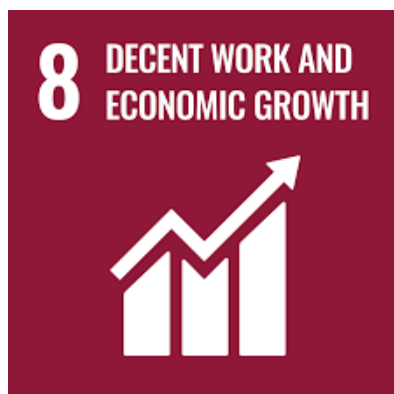**Policy Engagement and Institutional Support**

GGSIPU contributes to energy policy and governance by:

- Organising stakeholder dialogues on Net-Zero policy, solar adoption, and carbon pricing

- Supporting government consultations on renewable energy models

- Faculty advisory participation in ESG, Smart City Mission, and climate adaptation projects

- Engaging in environmental jurisprudence, advocating for energy justice and equitable access

These efforts support national goals on sustainability, infrastructure, and climate action (SDGs 7, 9, 11, 13).

Conclusion

GGSIPU plays an active role in advancing SDG 7 through energy innovation, research, environmental literacy, entrepreneurship, policy co-creation, and green campus practices. Its interdisciplinary approach fosters broader awareness, capability, and institutional integration of sustainable energy solutions, contributing meaningfully to SDG 7: Affordable and Clean Energy.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), accredited with NAAC A++ (CGPA: 3.56) and established by the Government of NCT of Delhi, plays a pivotal role in advancing SDG 8: Decent Work and Economic Growth, by supporting job creation, entrepreneurial development, skill-building, financial inclusion, women-led enterprises, social innovation, industry collaborations, and research-driven policy engagement.

Institutional Structures Supporting SDG 8

Initiatives under SDG 8 are anchored by:

- University School of Management Studies

- University School of Engineering & Technology

- Atal Incubation Centre (AIC-GGSIPU)

- Institution's Innovation Council (IIC)

- Corporate Social Responsibility (CSR) Centre

- Centre for Human Capital and Entrepreneurship

- Career Guidance and Placement Cell

- Industry-Academia Interaction Cell

These bodies support entrepreneurship incubation, livelihood-oriented training, MSME mentorship, skill-based curriculum, industry alignment, and employment pathways.

Key Initiatives and Partnerships Supporting SDG 8

Initiative	Stakeholders	SDG Link
Entrepreneurship Mentorship and Startup Support	AIC-GGSIPU, Start-up India, SIDBI, MSME Ministry	SDG 8, 9, 17
Skill Development for Employment Readiness	National Skill Development Corp., HRDC, NGOs	SDG 4, 8
Social Enterprise and Women MSME Support	CSR Centre, Development Alternatives, SEWA	SDG 5, 8
Industry-Aligned Career Guidance and Internship Support	Corporate partners, Placement Cell	SDG 8, 9
Digital Work, Future of Work, and Labour Policy Workshops	Policy Think Tanks, NITI Aayog, ILO India	SDG 8, 16

These programmes promote job creation, skill-based employability, sustainable business models, and pro-equity work environments.

Entrepreneurship and Start-Up Ecosystem

GGSIPU fosters start-up culture and supports youth-led innovation through:

- AIC-GGSIPU hosting 120+ startup ventures, including 28 women-led enterprises

- Seed funding, business mentoring, and legal/IPR assistance

- Start-up exposure to venture capital, CSR funding, and social entrepreneurship

- Grassroots entrepreneurship: food processing, healthcare, climate tech, digital services

- Capacity-building workshops on business structuring, taxation, compliance, and ethical finance

These initiatives strengthen enterprise development and livelihood opportunities among students, women, and youth entrepreneurs.

Community and Youth Skill Development

The University undertakes programmes focused on:

- Rural livelihood training (micro-enterprises, dairy, agri-food, handicrafts)

- Digital skill building for youth and first-generation learners

- Job readiness programmes (soft skills, digital CVs, interview training)

- Skill mapping for Gig Economy and Future Work models

- MSME-based innovation support for sustainable local industries

These help bridge gaps between education, capability, and employment.

Policy and Governance Engagement

The University actively contributes to labour market analysis, rural entrepreneurship models, and policy dialogue through:

- Research collaboration with Delhi Government and Central Ministries

- Faculty advisory positions on labour policy, entrepreneurship, CSR, and innovation councils

- Dialogues on skilling, startups and women-led economic participation linked to NEP 2020

- Workshops on future of work, AI in labour markets, and green employment

Research Contributions to SDG 8

GGSIPU has produced 332 Scopus-indexed publications related to SDG 8, covering:

- Employment generation policies and rural livelihood systems

- Labour market transitions, Future of Work, and Industry 4.0 economics

- Entrepreneurship, social enterprise, and financial inclusion

- CSR, ESG, sustainable business and ethical finance

- Digital economy, skill development, and equitable work governance

These publications influence economy-inclusive policies, business practices, skill reforms, and entrepreneurship ecosystems.

Conclusion

GGSIPU's engagement with SDG 8 is multifaceted, spanning entrepreneurship development, MSME support, skill-based education, women-led enterprise incubation, labour policy engagement, livelihood-oriented outreach, and research-driven economic innovation. The University actively supports inclusive and sustainable employment creation, enabling equitable economic growth and community-led prosperity—demonstrating its strong alignment with SDG 8: Decent Work and Economic Growth.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), established by the Government of NCT of Delhi and accredited with NAAC A++ (CGPA: 3.56), demonstrates a strong institutional commitment to SDG 9 through innovation incubation, design-led technological solutions, entrepreneurship mentorship, research commercialisation, sustainable infrastructure, and capacity building for Industry 4.0.

The University advances technology-integrated governance, green infrastructure models, digital entrepreneurship, MSME capacity development, and innovation policy engagement—positioning itself as a rising knowledge hub for industrial innovation and regional development.

Institutional Structures Supporting SDG 9

SDG 9 is supported by:

- Atal Incubation Centre (AIC-GGSIPU)

- Institution's Innovation Council (IIC)

- IPU Innovation and Incubation Facility (IPU-IIF)

- University School of Automation & Robotics

- University School of Information & Communication Technology

- University School of Design & Innovation

- University School of Engineering & Technology

- Centre for Sustainable Development

- Research & Development Cell (R&D)

These structures enable innovation acceleration, infrastructure design, technology-based startup mentorship, prototype development, industry collaboration, and commercialization pathways.

Key Initiatives & Collaborations Supporting SDG 9

Initiative	Stakeholders	SDG Link
Clean-Tech and Climate-Tech Start-up Incubation	AIC-GGSIPU, NITI Aayog, SIDBI	SDG 7, 9, 13
Design & Innovation Hackathons (Tech for Society)	Industry mentors, MSMEs, NGOs	SDG 4, 9
Collaborative Research Labs in Robotics, AI and IoT	MoE, Corporate Tech Partners	SDG 9, 11
IP & Patent Support for Student/F Faculty Start-ups	IIC, MSME Ministry	SDG 8, 9
Research Commercialisation and Industry Consultancy	R&D Cell, Corporate Partners	SDG 9, 17

These initiatives support industrial innovation, digitization, infrastructure design, and technology-driven solutions for developmental challenges.

Startup Ecosystem and Innovation Capacity

Through AIC-GGSIPU, IIC, and IPU-IIF, the University supports:

- 120+ incubated start-ups in healthcare tech, climate-tech, energy solutions, legal-tech, fintech, and assistive technologies

- Prototype development labs (3D Printing, AI, AR/VR, Materials Testing, IoT Systems)

- Innovation fellowships, seed funding, MSME linkage, and patent filing support

- Faculty-industry joint research under CSR and consultancy models

- Training for students on intellectual property, technology transfer, and industrial standards

These foster a culture of innovation that integrates academic learning with real-world problem solving.

Research Contributions to SDG 9

The University has produced 805 Scopus-indexed publications linked to SDG 9, spanning:

- Industry 4.0 technologies, robotics, and smart manufacturing

- Artificial Intelligence (AI), Internet of Things (IoT), digital platforms

- Smart city infrastructure, energy-efficient systems, and urban resilience

- Blockchain in supply chains, cybersecurity, and digital finance

- Green infrastructure, ESG compliance, and sustainable transport innovations

These publications support both industrial innovation and sustainability transitions.

Infrastructure, Technology and Green Campus Initiatives

GGSIPU actively promotes environmentally sustainable infrastructure through:

- Solar panel installations and campus-wide energy monitoring

- Rainwater harvesting and greywater recycling systems

- Waste segregation, composting, and eco-infrastructure development

- Digital infrastructure for blended learning, virtual labs, and innovation design

These measures contribute to sustainable campus development and learning ecosystems.

Industry Partnerships & Policy Engagement

The University collaborates with:

- NITI Aayog, Ministry of MSME, SIDBI, DPIIT, Smart City Mission

- Corporate partners in technology, environment, healthcare, and manufacturing

- Delhi government agencies for urban planning, innovation promotion, and technical advisory

- International collaborators from BRICS, Europe, and Asia for R&D and technology transfer

These partnerships enable policy consultations, research impact translation, labour market analysis, and industrial innovation planning.

Conclusion

GGSIPU demonstrates comprehensive engagement with SDG 9 through research excellence, innovation incubation, industrial partnerships, green infrastructure development, and technology-enabled entrepreneurship. By cultivating an innovation-driven ecosystem that supports industrial

transformation, sustainability, and inclusive development, the University meaningfully contributes to SDG 9: Industry, Innovation and Infrastructure—positioning itself as an emerging technology leader with high social relevance.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), established by the Government of NCT of Delhi and accredited with NAAC A++ (CGPA: 3.56), is deeply committed to reducing inequalities through inclusive education, gender and social equity policies, legal empowerment, skill development programmes, disability support, and community-focused outreach. The University aligns strongly with SDG 10, working to reduce inequalities in access to education, livelihood, justice, technology, and social participation.

Institutional Structures Supporting SDG 10

SDG 10 initiatives are anchored through:

- University School of Law & Legal Studies

- University School of Management Studies

- University School of Humanities & Social Sciences

- University School of Education

- Equal Opportunity Cell (EOC)

- Internal Complaints Committee (ICC)

- Corporate Social Responsibility Centre

- Legal Aid Clinic and Community Outreach Cell

- NSS & NCC Units

These bodies ensure equity, access, capability-building, community support, policy advocacy, and legal justice, strengthening the role of the University as a public institution for social inclusion.

Key Initiatives and Collaborations Supporting SDG 10

Initiative	Stakeholders	SDG Link
Legal Aid Clinics and Access-to-Justice Campaigns	Delhi Legal Services Authority	SDG 10, 16
Financial Inclusion and Rural Skill Training for Disadvantaged Youth	CSR Centre, NGOs	SDG 1, 8, 10
Disability Support and Assistive Technologies for Learning	ICT School, CSR Cell	SDG 4, 10
Scholarships, Fee Waivers for Economically Weaker Sections	Administrative Bodies	SDG 4, 10
Outreach for Tribal and Marginalized Students	GGSIPU Admission Cell	SDG 4, 5, 10

These initiatives address economic inequality, educational access barriers, discrimination, legal exclusion, and digital inequity.

Inclusive Educational Practices and Equity Support

The University implements robust policies to promote equal access to education and professional opportunity through:

- Reserved seats for SC/ST/OBC, PwD, military families, and transgender students

- Scholarships, fee waivers, and financial aid for disadvantaged groups

- Digital inclusion projects and ICT-enabled learning for remote learners

- Bridge courses for first-generation learners

- Awareness campaigns on constitutional rights, diversity, and human dignity

These initiatives reduce socio-economic gaps in higher education and enable equitable academic access.

Community Engagement and Social Empowerment

Through NSS, CSR Centre, and Legal Aid Clinics, GGSIPU conducts social inclusion programmes:

- Legal awareness drives on identity, documentation, inheritance, and citizenship rights

- Support programs for migrant workers, domestic staff, and widowed women

- Digital literacy and financial awareness sessions for rural and urban slum youth

- Skill development camps for artisans, micro-workers, and women entrepreneurs

- Community advocacy programmes on disability rights and social justice

These engagements empower marginalised individuals to access entitlements and livelihood resources.

Research Contributions to SDG 10

GGSIPU has produced 121 Scopus-indexed publications related to SDG 10, covering:

- Income inequality, social stratification, economic opportunity analysis

- Legal rights, social justice, labour protection, cyber harassment, gender equity

- Financial inclusion models, MSME empowerment, women-led entrepreneurship

- Migration, resettlement, mental health equity, and digital divide

- Policy analysis on marginalized education, employment access, health equity

These publications contribute to policy discussions, legal frameworks, social interventions, and governance strategies.

Policy Advocacy and Institutional Governance

GGSIPU actively supports inclusive governance through:

- Equal Opportunity Cell ensuring accessibility, non-discrimination, and facility provision

- ICC ensuring protection from harassment and promoting gender dignity

- Constitutional literacy programmes and legal awareness workshops

- Collaborations with NGOs focusing on senior citizens, differently abled, and migrant labour groups

- Policy-relevant consultancy in labour justice, health rights, and civic entitlements

Conclusion

GGSIPU advances SDG 10 through education equity, legal empowerment, research, community outreach, institutional policy, capacity building, and inclusive entrepreneurship. The University strategically addresses structural and systemic inequalities by enabling access, supporting capacity development, and advocating for an inclusive society—thereby contributing meaningfully to SDG 10: Reduced Inequalities.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), accredited with NAAC A++ (CGPA: 3.56), contributes significantly to SDG 11 through research, education, policy support, urban sustainability innovations, environmental governance, architectural design, disaster resilience, and community outreach. The University connects urban planning, smart cities, environmental health, sustainable mobility, waste management, and public infrastructure development through interdisciplinary approaches.

Institutional Structures Supporting SDG 11

SDG 11 engagement is led through:

- University School of Architecture & Planning

- University School of Environment Management

- University School of Design & Innovation

- University School of Basic & Applied Sciences

- Centre for Sustainable Development

- Atal Incubation Centre (AIC-GGSIPU)

- CSR Centre and Community Outreach Cell

- Research & Development and Innovation Cells

These bodies contribute to urban planning, housing sustainability, eco-design, green mobility, water conservation, disaster management, and public health infrastructure.

Key Initiatives and Collaborations Supporting SDG 11

Initiative	Stakeholders	SDG Link
Delhi Urban Futures Policy Dialogue	Smart City Mission, NITI Aayog, MCD	SDG 9, 11, 13
Green Campus, Rainwater Harvesting, Eco-infrastructure	Delhi Jal Board, Sustainability Agencies	SDG 6, 11
Community Resilience and Disaster Risk Reduction Workshops	NDMA, NGOs, Environment Agencies	SDG 11, 13
Waste Management & Zero Plastic Campus Initiative	Municipal Authorities, MoEFCC	SDG 11, 12
Affordable Housing & Inclusive Urban Design Research Hackathons	Architecture School, Civil Society	SDG 1, 10, 11

These activities address housing, community resilience, urban waste management, air pollution, infrastructure equity, and local climate adaptation.

Community Engagement and Local Urban Action

GGSIPU works with communities, panchayats, and civic authorities to support:

- Sustainable neighbourhood models (waste segregation, sanitation, tree plantation)

- Smart mobility awareness campaigns (cycling, shared transport, EV awareness)

- Architectural and planning advisory for low-income housing layouts

- Public spaces redesign for senior citizens, differently abled, and women safety

- Capacity building on urban resilience, disaster preparedness, and climate risk

These programmes strengthen urban community resilience and inclusivity.

Research Contributions to SDG 11

The University has produced 465 Scopus-indexed publications related to SDG 11, covering:

- Sustainable infrastructure, eco-friendly building materials, and urban design

- Environmental resilience, flood risk planning, heat stress modelling

- Smart city policy, emission control, sustainable transport and mobility

- Green energy integration in buildings and climate-resilient architecture

- Urban waste governance, circular economy, and life-cycle assessment models

These research outputs influence urban governance, policy frameworks, and municipal planning strategies.

Campus as a Living Lab for SDG 11

The University implements sustainable urban systems on campus through:

- Solar energy installations and energy-efficient building designs

- Rainwater harvesting, groundwater recharge, greywater recycling

- Waste segregation, plastic-free campus policies, composting, e-waste collection

- Tree plantation, biodiversity ecology areas, pedestrian-friendly zones

- Design projects linking architecture with climate adaptation and green spaces

The campus itself functions as a model of urban sustainability.

Policy Engagement and Governance Impact

GGSIPU supports policy development by engaging with:

- Delhi Urban Development and Smart City Missions

- Municipal corporations, Delhi Jal Board, and environmental agencies

- Climate adaptation policy dialogues and sustainable infrastructure committees

- MoEFCC and NDMA for disaster resilience, urban water management, and land use planning

Faculty contribute to city-level advisory panels, research citations in policy documents, and development of climate-resilient urban frameworks.

Conclusion

GGSIPU demonstrates a deep and interdisciplinary engagement with SDG 11 through sustainable architecture, environmental governance, community resilience, urban policy support, smart infrastructure innovation, and public health integration. Through research, innovation, incubation, community engagement, and policy advisory, the University meaningfully advances SDG

11: Sustainable Cities and Communities at institutional, regional, and societal levels.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), accredited with NAAC A++ (CGPA: 3.56), actively promotes responsible consumption and production through education, innovation, policy advocacy, sustainability research, environmental awareness, and green campus practices. The University engages in reducing waste, promoting recycling, developing sustainable production models, and fostering awareness of climate-smart and circular economy practices.

Institutional Structures Supporting SDG 12

SDG 12 is supported by:

- University School of Environment Management
- University School of Biotechnology
- University School of Design & Innovation
- Corporate Social Responsibility (CSR) Centre
- Centre for Sustainable Development
- Atal Incubation Centre (AIC-GGSIPU)

- Institutional Waste Management and Green Campus Committees

These centres facilitate research, community outreach, circular economy initiatives, and capacity-building for responsible consumption practices.

Key Initiatives and Collaborations Supporting SDG 12

Initiative	Stakeholders	SDG Link
Zero Plastic Campus Initiative	Municipal Corporation of Delhi, MoEFCC	SDG 11, 12
Composting and Bio-Waste Management Drives	CSR Centre, NGOs, Delhi Jal Board	SDG 12, 15
Circular Economy Awareness Workshops	Smart City Mission, Industry Partners	SDG 8, 12
Sustainable Product Design Hackathons	School of Design & Innovation	SDG 9, 12
Waste-to-Energy and Resource Recovery Start-ups	AIC-GGSIPU, Start-up India	SDG 7, 9, 12

These initiatives promote waste reduction, recycling, sustainable design, natural resource conservation, and environmentally responsible practices.

Green Campus and Sustainable Practices

GGSIPU has institutionalised several campus-level practices promoting SDG 12:

- Segregated waste disposal bins across campus
- E-waste disposal and recycling channels in collaboration with authorised agencies
- Composting pits and biodegradable waste processing units
- Paperless administrative operations, online learning and digital submissions
- Tree plantation drives, landscaping, and biodiversity zone management

These campus initiatives foster a hands-on model of responsible consumption.

Community Outreach and Sustainability Awareness

Through CSR units, NSS, and departmental initiatives, the University conducts:

- Awareness drives in local communities on waste segregation, recycling, and hygiene

- Food waste reduction campaigns in canteens and hostels

- Training on upcycling, sustainable craft-making, sandalwood packaging, and eco-products

- Sessions for schoolchildren on sustainable living, water conservation, and soil protection

These programmes foster citizen responsibility and behavioural transformation.

Research Contributions to SDG 12

GGSIPU has produced 318 Scopus-indexed publications linked to SDG 12, covering:

- Sustainable production and consumption behaviors

- Climate-smart food systems and green supply chain management

- ESG reporting, circular economy, and carbon material optimization

- Waste-to-energy engineering and eco-friendly material innovation

- Environmental law, ethics, and sustainability policy governance

These publications contribute to developing policy models, innovative products, low-waste systems, and sustainability standards.

Policy Engagement and Knowledge Transfer

The University contributes to policy-led sustainability initiatives through:

- Delhi Smart City Mission engagements

- Faculty consultation on waste management and urban sanitation policy

- Technical support for local municipalities on e-waste disposal and eco-infrastructure

- Student projects designing sustainable transport packaging, bio-plastics, and compostables

These efforts strengthen public resource management, environmental policy planning, and circular economy transition.

Conclusion

GGSIPU actively advances SDG 12 through sustainable practices, carbon-conscious manufacturing, circular economy research, green infrastructure, innovation incubation, and behaviour-change programmes. By integrating education, policy advisory, entrepreneurship, and community awareness, the University exemplifies meaningful engagement with SDG 12: Responsible Consumption and Production.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), accredited with NAAC A++ (CGPA: 3.56), demonstrates a strong commitment to SDG 13: Climate Action through research, environmental education, policy support, sustainability partnerships, green campus initiatives, and community resilience programmes. The University addresses both mitigation and adaptation aspects of climate action through interdisciplinary academic engagement, outreach, and institutional governance.

Institutional Structures Supporting SDG 13

SDG 13 initiatives are coordinated through:

- University School of Environment Management
- University School of Basic & Applied Sciences
- University School of Architecture & Planning
- University School of Biotechnology
- Centre for Sustainable Development

- Atal Incubation Centre (AIC-GGSIPU) – Climate-tech entrepreneurship

- Disaster Management and Resilience Cell

- Corporate Social Responsibility (CSR) Centre

These bodies guide climate research, green technology development, pollution reduction, disaster preparedness, and policy engagement.

Key Initiatives and Collaborations Supporting SDG 13

Initiative	Stakeholders	SDG Link
Climate Governance and Urban Resilience Dialogue	MoEFCC, Delhi Pollution Control Committee, NITI Aayog	SDG 11, 13
Tree Plantation and Biodiversity Conservation Drives	Municipal Bodies, NGOs, Forest Dept.	SDG 13, 15
Climate-Tech Start-up Support and Green Innovation	AIC-GGSIPU, Start-up India, SIDBI	SDG 7, 9, 13
Disaster Risk Reduction and Environmental Awareness Workshops	NDMA, NSS, Civil Defence	SDG 13, 16
Pollution Mitigation and Air Quality Monitoring Projects	Delhi Govt., Smart City Mission	SDG 3, 11, 13

These activities promote climate literacy, pollution reduction, adaptation planning, and public responsibility in climate action.

Climate Research Contributions

GGSIPU has contributed 235 Scopus-indexed publications related to SDG 13, covering:

- Climate resilience, mitigation strategies, and impact modelling

- Carbon markets, ESG governance, and climate finance

- Urban heat island studies and sustainable architecture

- Renewable energy integration and decarbonization pathways

- Hydrology, soil erosion, flood prevention, and water governance

- Environmental law, climate policy, and public governance

These publications inform climate policy, industrial transition, ESG frameworks, and urban adaptation strategies.

Green Campus Initiatives and Institutional Practices

GGSIPU implements climate-smart campus management including:

- Solar rooftop energy installations and green building certifications

- Rainwater harvesting, groundwater recharge, and water reuse systems

- Segregated waste management and composting of biodegradable waste

- Tree plantation, biodiversity parks, and herbal gardens

- Model climate adaptation measures through sustainable landscaping and shaded walkways

These practices make the campus a living laboratory of climate-resilient infrastructure.

Community Engagement and Awareness

Through the CSR Centre, NSS, and Environment School, the University engages with communities on:

- Participatory tree plantation and forest restoration activities

- Clean air and water awareness drives in Delhi NCR, with focus on pollution hot spots

- Rainwater harvesting and greywater management workshops

- Youth-led campaigns on climate responsibility and sustainable lifestyles

- School outreach programmes on climate education and eco-leadership

These initiatives strengthen climate responsiveness at grassroots levels.

Policy Engagement and Climate Governance

Faculty from GGSIPU contribute to climate policy and governance through:

- Expert inputs to Delhi Jal Board, Smart City Mission, and Pollution Control agencies

- Participation in climate policy consultations and SDG advisory working groups

- Contribution to research for Net-Zero strategy, air quality management, and low-carbon urban planning

- Development of training modules for administrators on climate risk reduction and ESG standards

These engagements enable the University to support climate-responsive policymaking.

Conclusion

GGSIPU demonstrates meaningful alignment with SDG 13 through research, capacity-building, community education, policy engagement, climate-tech innovation, and sustainable campus practices. By bridging institutional governance, academic research, public engagement, and societal impact, the University actively contributes to SDG 13: Climate Action at institutional, regional, and national levels.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), accredited with NAAC A++ (CGPA 3.56), contributes to SDG 14: Life Below Water through environmental research, water ecology and hydrology studies, pollution analysis, aquatic health assessments, wastewater management innovation, and community awareness initiatives. Though geographically located away from coastal zones, the University plays an important role in promoting water ecosystem sustainability through empirical research, partnership-based fieldwork, environmental advocacy, biotechnology applications, and policy consultations.

Research Contributions to Aquatic Ecosystems

GGSIPU has produced 53 Scopus-indexed publications related specifically to SDG 14, focusing on:

- River water quality assessment (Yamuna, Ganga basin studies, pollution parameters)

- Freshwater aquatic biodiversity analysis and species health monitoring

- Microplastic contamination, heavy metal toxicity, and bio-accumulation studies

- Waterborne disease analysis linking microbial contamination and public health

- Wetland ecosystem preservation and hydrological modelling of water bodies

- Environmental biotechnology for wastewater treatment, bioremediation, and algae-based purification

- Environmental ethics and legal frameworks for aquatic ecosystem protection

These publications inform policy dialogues, ecological restoration, sustainability standards, and climate-resilient water governance.

Institutional Structures Supporting SDG 14

Key academic units promoting SDG 14 are:

- University School of Environment Management

- University School of Basic & Applied Sciences

- University School of Biotechnology

- Centre for Sustainable Development

- CSR Centre and Community Environmental Outreach Units

These units facilitate water quality education, applied environmental microbiology, ecological impact assessment, sustainable waste processing, and aquatic health research.

Key Initiatives and Projects Supporting SDG 14

Initiative	Stakeholders	SDG Link
Water Quality Testing and Yamuna Pollution Reduction Studies	Delhi Pollution Control Committee, Environment Ministry	SDG 6, 14
Wetland Ecology Research and Conservation Mapping (NCR wetlands)	Forest Dept., NGOs, Community Groups	SDG 13, 14, 15
Wastewater Treatment and Bioremediation Modelling	School of Biotechnology, Municipal Bodies	SDG 14, 12
Community Workshops on Safe Drinking Water and River Health	NGOs, Health Departments, NSS	SDG 3, 6, 14
Climate Impact and Aquatic Ecosystem Modelling	MoEFCC, Academic institutes, Research labs	SDG 13, 14

These activities strengthen the University's engagement in water ecosystem health, pollution mitigation, aquatic biodiversity management, and sustainable hydrological planning.

Biotechnology and Sustainable Water Purification Models

GGSIPU promotes innovative solutions through:

- Microbial bioremediation models for toxic pollutant removal

- Algal purification systems for greywater and sewage water treatment

- Low-cost biofilters and nano-filtration systems for rural water purification

- Research in preventing eutrophication and aquatic ecosystem imbalance

- Community demonstrations on safe water treatment and hygiene-oriented sanitation

These interventions provide practical, affordable, and replicable models for aquatic ecosystem protection.

Community Outreach and Public Engagement

The University undertakes public education and environmental advocacy through:

- Awareness campaigns on water health, sanitation, and aquatic biodiversity preservation

- citizen science drives to test river pollution and promote local stewardship

- School outreach programmes highlighting threats to riverine species and aquatic ecosystems

- Clean Yamuna drives and public riverbank awareness sessions led by students and faculty

- Rural water management literacy sessions focusing on filtration, disease prevention, and community monitoring

These efforts promote public ownership, collective responsibility, and social participation in water ecosystem protection.

Policy Engagement and Governance

Faculty members provide advisory inputs to:

- Delhi Jal Board, Delhi Pollution Control Committee, Smart City Mission

- Projects on water governance, drainage planning, and climate-linked hydrological policy

- Consultations on Yamuna rehabilitation, floodplain management, and responsible urban discharge

- Development of environmental assessment frameworks and eco-health standards

These engagements contribute to knowledge-driven governance and hydrological sustainability.

Conclusion

GGSIPU's contributions to SDG 14 extend beyond coastal geography, embracing river health, freshwater ecosystems, aquatic biodiversity, hydrology-based climate studies, water policy governance, community education, and sustainable purification research. Its work in environmental sustainability, bioremediation, pollution mitigation, and stakeholder engagement demonstrates meaningful institutional alignment with SDG 14: Life Below Water.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), accredited with NAAC A++ (CGPA: 3.56), advances SDG 15 – Life on Land through scientific research, afforestation activities, biodiversity monitoring, land restoration projects, environmental biotechnology, environmental law and policy advisory, and community outreach. The University fosters ecosystem protection, natural resource management, wildlife conservation awareness, and sustainable land-use practices in Delhi and surrounding regions.

Institutional Structures Supporting SDG 15

SDG 15 activities are supported by:

- University School of Environment Management

- University School of Biotechnology

- University School of Basic & Applied Sciences

- University School of Architecture & Planning

- Centre for Sustainable Development

- CSR Centre and NSS Environmental Outreach Units

- Wildlife and Biodiversity Research Labs

These bodies focus on ecological diversity, conservation strategies, soil health, restoration ecology, climate-resilient land management, and environmental education.

Major Initiatives and Field Engagement Supporting SDG 15

Initiative	Stakeholders	SDG Link
Tree Plantation & Urban Forestry Drives	Forest Dept., RWAs, NGOs	SDG 13, 15
Biodiversity Mapping of Delhi-NCR Wetlands and Green Zones	Municipal Bodies, MoEFCC	SDG 11, 15
Soil Restoration and Organic Land Management Workshops	Farmers' groups, Environmental NGOs	SDG 2, 15
Community Awareness on Wildlife Protection and Land Conservation	Schools, Community Groups	SDG 4, 15
Environmental Biotechnology for Soil and Land Remediation	Industry Partners, Pollution Control Agencies	SDG 9, 15

These initiatives promote land regeneration, tree cover expansion, ecological resilience, species awareness, and public participation.

Research Contributions to SDG 15

The University has produced 181 Scopus-indexed publications aligned with SDG 15, focusing on:

- Soil quality assessment, land degradation, and environmental health

- Afforestation, carbon sequestration, and oxygen index mapping

- Waste-to-soil conversion, microbial degradation, and biofertilizers

- GIS-based ecosystem biodiversity mapping and green belt planning

- Wildlife health, conservation ethics, and environmental jurisprudence

- Land use planning under climate change and urban expansion

These publications contribute to ecosystem restoration, land policy modelling, ecological justice, and climate-adaptive biodiversity strategies.

Campus Biodiversity and Green Infrastructure

GGSIPU fosters ecological sustainability on campus through:

- Dedicated biodiversity zones and herbal gardens

- Tree adoption drives led by students and faculty

- Organic composting and green landscaping

- Pollution-free zones and natural air quality buffers

- Urban bird habitat support and pollinator-friendly plantations

These initiatives transform the campus into a model of sustainable living and land stewardship.

Community and School-Based Outreach

Through NSS, CSR Centre, and Environmental Clubs, the University organizes:

- Eco-literacy programmes focusing on forest ecosystems and land ethics

- School outreach drives on wildlife protection, reducing deforestation, and soil health

- Awareness campaigns on land degradation, desertification, and plant biodiversity

- Rural workshops on natural farming, compost preparation, and bio-control methods

- Habitat restoration activities near degraded land clusters and public parks

These efforts empower communities to protect and restore local landscapes.

Policy Engagement and Governance

GGSIPU contributes to environment and land policy through:

- Expert faculty inputs for Delhi Forest Department on tree preservation and land use

- Advisory roles in smart green infrastructure and urban forest planning

- Legal consultations on environmental law, biodiversity protection, and eco-governance

- Support for wetland management, green belt planning, and ecological corridor preservation

These engagements strengthen evidence-based policy, restoration planning, and governance for ecosystem protection.

Conclusion

GGSIPU demonstrates a meaningful commitment to SDG 15 through research, land restoration activities, biodiversity conservation, environmental biotechnology, community education, policy advising, and green campus practices. The University actively promotes the protection of terrestrial ecosystems, soil regeneration, wildlife preservation, and sustainable land-use practices, strengthening its alignment with SDG 15: Life on Land.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), established in 1998 by the Government of NCT of Delhi under the GGSIPU Act and recognised under Section 12B of the UGC Act, is accredited with NAAC A++ (CGPA: 3.56). As a teaching, affiliating, and research-intensive public university, it prioritises sustainable development, innovation leadership, policy relevance, and social responsibility. The University's rapid rise in global rankings, including THE WUR 2026 (801–1000 band globally; 488th in Research Quality) and QS Sustainability Rankings 2026 (=718 globally; strong in Knowledge Exchange 80.9 and Governance 74.8), underscores its evolving role as a public-serving knowledge institution contributing to both national and global development agendas.

Commitment to Partnerships for Sustainable Development

GGSIPU's SDG engagement is supported by a strong internal structure of Schools and Centres, including the University Schools of Architecture & Planning, Basic & Applied Sciences, Biotechnology, Chemical Technology, Environment Management, Humanities & Social Sciences, Information & Communication Technology, Law & Legal Studies, Management Studies, Mass Communication, Automation & Robotics, Design & Innovation, and

Medicine & Para-medical Health Sciences. These Schools provide multidisciplinary expertise across public policy, climate action, healthcare, governance, entrepreneurship, and technology.

Institutional centres such as the Global Rankings and Collaborations Cell (GRCC), Atal Incubation Centre (AIC-GGSIPU), Institution's Innovation Council (IIC), Research & Development Cell, Centre for Sustainable Development, Corporate Social Responsibility (CSR) Centre, and the Office of International Affairs serve as operational hubs connecting academia, industry, government, NGOs, and multilateral agencies. These bodies facilitate policy discourse, innovation incubation, capacity-building programmes, international cooperation, and SDG-linked community engagement, enabling the University to serve as a sustainable partnership hub.

Knowledge-Based Partnerships and Global Collaborations

GGSIPU engages with Delhi Government agencies, Panchayat bodies, MSMEs, healthcare institutions, think tanks, NITI Aayog-linked missions, and private enterprises to drive SDG-aligned initiatives in climate resilience, inclusive entrepreneurship, responsible consumption, digital inclusion, and urban sustainability. International engagements extend toward BRICS universities, Europe, Africa, and Southeast Asia, involving joint research, curriculum collaboration, policy workshops, and exchange programmes.

Key collaborative activities:

Partnership Initiative	Stakeholders	SDG Link
AIC-GGSIPU Startup & Innovation Mentorship	AIM (GoI), MSMEs, Corporate CSR wings	SDG 8, 9, 17
Digital Literacy & Community Outreach (Amberahi & Pochanpur villages)	Local Panchayats, NGOs	SDG 4, 10, 17

Partnership Initiative	Stakeholders	SDG Link
Environmental Policy Dialogues & Carbon Finance Research	Industry, researchers, think tanks	SDG 7, 12, 13, 17
Health & Wellness Capacity Projects	Local health departments, hospitals	SDG 3, 16, 17
Film-led Governance Dialogue ('Ab Dilli Dur Nahi')	Policy scholars, film producers	SDG 16, 17

SDG-Linked Research Contributions

GGSIPU contributes significantly to SDG research, with 5,478 Scopus-indexed publications, including 283 documents dedicated to SDG 17 – Partnerships for the Goals. Other strong publication areas include SDG 3 (1,070), SDG 7 (756), SDG 9 (805), SDG 11 (465), SDG 6 (317), and SDG 13 (235). These research outputs address global challenges in environmental governance, AI ethics, collaborative digital economies, sustainable finance, multilateral cooperation, climate policy, and cross-border knowledge alliances—reinforcing the role of partnerships in achieving sustainability.

Community Engagement and Policy Influence

GGSIPU actively undertakes community capacity-building, digital empowerment, skill development, and rural innovation programmes. These initiatives are executed through university-driven outreach, start-up incubation, legal aid clinics, health camps, environmental awareness drives, and student-driven clubs. Programme outcomes support civic leadership, public policy advocacy, inclusive education, and sustainable livelihood creation.

The University's partnerships enable the translation of research into policy insights, support government advisory functions, foster SDG adoption in community ecosystems, and encourage multi-sector solution-building.

Conclusion

GGSIPU's commitment to SDG 17 is embedded in its structural design, academic breadth, and operational ecosystem. By combining research excellence, global collaboration, industry-linked innovation, policy leadership, and community engagement, the University actively advances the SDG partnership agenda. Positioned as a rising public university of national significance and global relevance, GGSIPU contributes meaningfully to SDG 17 by promoting collaborative development, knowledge sharing, and sustainable transformation across institutions, sectors, and societies.

Institutional Context

Guru Gobind Singh Indraprastha University (GGSIPU), established by the Government of NCT of Delhi and accredited with NAAC A++ (CGPA: 3.56), contributes significantly to SDG 16 through legal education, public governance engagement, constitutional literacy, civil rights advocacy, anti-corruption awareness, youth legal empowerment, policy support, and institutional transparency. As a government-established public institution, the University actively strengthens democratic values, justice systems, human rights discourse, equity governance, and community legal access.

Institutional Structures Supporting SDG 16

SDG 16 initiatives are driven through:

- University School of Law & Legal Studies

- University School of Humanities & Social Sciences

- University School of Management Studies (Public Governance)

- Legal Aid & Street Law Clinic (with Delhi Legal Services Authority)

- Equal Opportunity Cell (EOC)

- Internal Complaints Committee (ICC – POSH Compliance)

- CSR Centre and Community Legal Literacy Units

- Centre for Sustainable Development

- Career, Counselling and Placement Cell

These bodies promote justice, institutional accountability, good governance, human rights advocacy, legal education, public policy analysis, and citizen engagement.

Key Activities Supporting SDG 16

Initiative	Stakeholders	SDG Link
Legal Aid Clinics and Constitutional Literacy Workshops	Delhi Legal Services Authority, NGOs	SDG 10, 16
Street Law Awareness Drives – Rights, Justice, Citizenship	Local Communities, Students, Legal Practitioners	SDG 4, 10, 16
Policy Dialogues on Electoral Reforms, Institutional Governance	Think Tanks, Government Bodies, Academia	SDG 16, 17
Gender Justice and POSH Compliance Training	ICC, WHR Committees	SDG 5, 16
Anti-Corruption, Ethics & Transparency Seminars	Vigilance Units, Public Agencies	SDG 16

These initiatives focus on constitutional awareness, social justice, public accountability, and civic participation.

Justice Accessibility and Legal Empowerment

Through its Legal Aid and Street Law Clinics, GGSIPU:

- Provides legal advisory and access-to-justice support to marginalized communities

- Conducts legal awareness campaigns on citizenship rights, documentation, inheritance, land, and labour protection

- Organises youth-led paralegal workshops in rural and urban slum clusters

- Facilitates legal literacy drives on domestic violence, cyber harassment, consumer protection, and welfare legislation

These initiatives promote justice, equity, civic responsibility, and institutional confidence.

Policy Advisory, Governance, and Civil Engagement

GGSIPU supports public institutions through:

- Expert faculty contributions to policy consultations in areas of public law, governance ethics, and human rights

- Collaborations with Delhi Government on community justice reform, mediation models, and public grievance redressal

- Advisory participation in parliamentary committees, civic education panels, and legal service authority boards

- Dialogues on democracy, institutional transparency, citizen's charter, digital governance, and legal compliance

These efforts support public accountability, democratic culture-building, and strong institutional systems.

Research Contributions to SDG 16

The University has produced 99 Scopus-indexed publications aligned with SDG 16, covering:

- Criminal justice reforms, mediation systems, and restorative justice

- Constitutional law, legal institutions, and democratic accountability

- Human rights, citizenship rights, marginalized justice, and governance ethics

- Cyber law, privacy governance, and digital civil liberties

- Women, workplace safety, and institutional legal frameworks

- Policy effectiveness, public administration, and institutional integrity

These research contributions strengthen legal reform, civic justice, institutional trust, and governance efficiency.

Integrity, Inclusion, and Institutional Accountability

GGSIPU promotes institutional ethics and community trust through:

- Transparent recruitment, merit-based admissions, and equitable opportunity policies

- Governance standards for anti-harassment, Whistleblower Support, and grievance redressal

- ICC and Gender Sensitization policies to ensure justice and dignity on campus

- Student Parliament, Legal Literacy Clubs, and Ethics Forums

- Equal access and anti-discrimination processes managed through EOC

These reflect institutional commitment to ethics, accountability, equity, and peace-building.

Conclusion

GGSIPU's work under SDG 16 demonstrates its role as a public institution fostering legal empowerment, policy engagement, constitutional literacy, governance transparency, justice promotion, and institutional accountability. With impactful initiatives across legal outreach, governance research, policy advisory, civic education, and access to justice, GGSIPU meaningfully advances SDG 16: Peace, Justice, and Strong Institutions.