Annual SDG Report (2024–25)

IES University, Bhopal, is committed to integrating the **United Nations Sustainable Development Goals (SDGs)** into every dimension of its academic, research, and community ecosystem. Guided by its *Sustainability and SDG Cell* under the *Internal Quality Assurance Cell (IQAC)*, the University aligns its operations, curricula, and outreach with the 17 global goals to create a transformative impact on society and the environment.

The University's sustainability framework focuses on inclusive education, clean energy, ethical governance, and community well-being. Through multidisciplinary collaboration and data-driven monitoring, IES University ensures measurable progress toward the UN 2030 Agenda.

Key highlights from the 2024–25 report include:

- **SDG 1–2 (No Poverty & Zero Hunger):** Scholarships and livelihood training programs empower underprivileged youth and women through skill development, entrepreneurship, and community nutrition initiatives.

- **SDG 3 (Good Health & Well-being):** Over 1,20,000 beneficiaries served through health camps, Ayurved and Nursing outreach, vaccination drives, and telemedicine programs.

- **SDG 4 (Quality Education):** Implementation of outcome-based education, academic transparency, digital learning tools, and inclusive access for first-generation learners.

- **SDG 5 (Gender Equality):** Women's Development Cell, gender sensitization training, and leadership mentoring ensure equitable participation and campus safety.

- **SDG 6–7 (Clean Water & Affordable Energy):** Rainwater harvesting, wastewater recycling, and 120 kW solar installations achieve a 15% reduction in campus energy intensity.

- **SDG 8–9 (Decent Work & Innovation):** Incubation Centre and MSME partnerships foster entrepreneurship, skill enhancement, and 15+ patent filings.

- **SDG 10–12 (Equity & Sustainability):** Equal opportunity policies, waste management, and green audits promote ethical, resource-efficient practices.

- **SDG 13–15 (Climate & Ecosystems):** Annual tree plantation drives, biodiversity gardens, and environmental research projects strengthen ecological resilience.

- **SDG 16–17 (Peace & Partnerships):** Transparent governance, institutional ethics, and collaborations with government, NGOs, and industries reinforce integrity and shared progress.
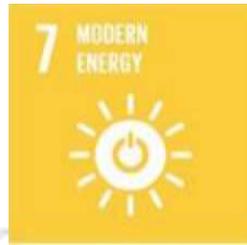
From 2021–2025, IES University has achieved significant milestones—400+ SDG-aligned research publications, 150 community projects, and measurable carbon offset through renewable energy adoption. Its integrated SDG model merges knowledge, innovation, and compassion, positioning the University among India's leading institutions in sustainability and social responsibility.

Comprehensive Index Table

Annual Sustainability Report (2024-25)

SDG-1-NO POVERTY

SUSTAINABLE DEVELOPMENT GOALS

IES UNIVERSITY

IES UNIVERSITY® BHOPAL

1. Executive Summary

IES University, Bhopal, demonstrates its steadfast commitment to Sustainable Development Goal 1 – *No Poverty* – by integrating education, research, and outreach to uplift marginalized communities. The University's sustainability vision focuses on equitable access to education, inclusive growth, and social empowerment. Between 2021 and 2025, IES University expanded scholarships for economically weaker students, launched community livelihood programs, and strengthened partnerships with NGOs and local bodies. Through its NSS and Outreach Cells, the institution implemented rural development projects promoting skill training, women entrepreneurship, and education for underprivileged youth. These initiatives reflect a compassionate approach—linking academic excellence with societal wellbeing. The report presents structured interventions, research collaborations, and community-led models that have contributed to regional socio-economic transformation. IES University's actions reinforce its belief that education is the most powerful tool to eradicate poverty sustainably.

2. Institutional Context and Strategy

IES University's strategic vision emphasizes inclusive education and poverty alleviation as cornerstones of sustainable development. The institution aligns its planning with the UN SDG framework, incorporating poverty reduction into teaching, research, and community service. A dedicated *Sustainability and SDG Cell* oversees coordination of these efforts, supported by the *NSS Unit* and *Outreach Division*. Policies ensure that economically disadvantaged students receive academic and financial support, while outreach programs target rural development and self-employment. The University's long-term strategy (2021–2025) includes three core objectives: to empower rural youth through skill education, to promote equitable access to higher learning, and to contribute research that informs social policy. Governance mechanisms ensure transparency, accountability, and stakeholder participation. IES University's leadership recognizes that eradicating poverty requires sustained academic commitment coupled with direct community engagement, thereby making higher education a catalyst for social justice.

3. Data and Indicator Mapping

IES University follows structured processes for mapping its activities to SDG-1 indicators under the Times Higher Education (THE) Impact Rankings. Data are consolidated annually by the SDG Cell through verified departmental submissions. The framework covers research on poverty, scholarships and student support, community outreach, and local economic impact. Evidence includes academic publications, outreach reports, and policy contributions. Data normalization is based on student enrolment and geographical outreach coverage. While quantitative metrics are maintained for verification, the focus remains on qualitative transformation—enabling sustainable livelihoods and educational access. This mapping ensures traceability of every activity, linking institutional initiatives with global development benchmarks. The University's integrated monitoring approach enhances transparency and readiness for external audits, reflecting a mature and accountable model of SDG reporting.

4. Research

Research at IES University plays a vital role in shaping discourse on poverty alleviation and social inclusion. Faculty and students engage in interdisciplinary studies exploring livelihood security, women entrepreneurship, rural development, and financial inclusion. The *Centre for Sustainable Development and*

Rural Innovation (CSDRI) spearheads applied research projects in collaboration with NGOs and public agencies. Studies have focused on community skill development, rural micro-enterprises, and social impact evaluation. Research outcomes have informed local planning strategies and academic curricula, ensuring direct societal benefit. Workshops and seminars on inclusive growth and SDG-linked development provide platforms for policy dialogue. By combining scientific inquiry with social sensitivity, IES University strengthens its position as a thought leader in poverty research, ensuring that academic work contributes to

5. Teaching and Curriculum

Teaching at IES University incorporates the principles of social responsibility and equitable access. Curricula across Management, Engineering, and Social Sciences include courses such as *Rural Development Studies*, *Social Entrepreneurship*, and *Sustainable Livelihoods*. Practical components like field surveys and NGO internships expose students to real-world socio-economic challenges. The University promotes value-based learning through seminars and service-learning modules where students contribute to literacy and employment initiatives. Financial support programs ensure that poverty does not hinder academic participation. The interdisciplinary curriculum encourages innovation, empathy, and awareness of global sustainability challenges. This pedagogical approach prepares graduates to be socially conscious leaders capable of designing inclusive business models and poverty-reducing strategies.

6. Community Engagement and Outreach

Community engagement is central to IES University's sustainability framework. Through NSS and the Outreach Cell, the University conducts continuous programs addressing poverty and livelihood challenges in nearby districts. Key initiatives include women's self-help group training, rural entrepreneurship workshops, and awareness drives on financial literacy and hygiene. Students regularly participate in village development projects, supporting local education and micro-enterprise formation. Collaborations with NGOs have enabled the creation of sustainable income models for rural families. The approach combines empathy with empowerment—transforming communities while enriching student learning. IES University believes that higher education must extend beyond classrooms to build resilient, self-reliant societies capable of escaping poverty through knowledge and skills.

7. Student Support and Access

Equity and inclusiveness guide IES University's student support system. The University offers scholarships, fee waivers, and flexible learning options to ensure that financial hardship does not limit access to education. A dedicated *Student Welfare Office* manages support schemes for economically weaker sections, including subsidized housing and meal assistance. Mentorship programs pair faculty with students from underprivileged backgrounds to provide academic and emotional support. The institution also facilitates digital literacy training for first-generation learners. These initiatives demonstrate that compassion and education must operate hand in hand. Through such continuous support, IES University nurtures talent irrespective of socio-economic background and fulfills its role as a driver of upward mobility.

8. Employment, Enterprise and Local Economic Impact

IES University promotes entrepreneurship and local economic growth through its *Incubation and Innovation Centre*. The Centre mentors student and community entrepreneurs, providing guidance in business planning, financial literacy, and digital marketing. Special focus is given to youth from rural and semi-urban areas. The

University supports home-grown start-ups that create jobs and circulate income within local economies. Partnerships with small industries and cooperatives enhance market access for micro-entrepreneurs. Procurement policies prioritize local vendors and self-help groups, ensuring that institutional expenditure benefits surrounding communities. By blending knowledge with enterprise, IES University not only empowers individuals economically but also strengthens regional resilience against poverty.

9. Campus Operations and Stewardship

Sustainability begins within the campus itself. IES University practices social responsibility by ensuring affordability, inclusivity, and environmental stewardship in campus operations. Subsidized hostels, concessional transport, and low-cost meal programs help students from low-income families. The University's procurement system favors small local suppliers, generating livelihood opportunities in surrounding areas. Infrastructure projects, such as solar installations and energy-efficient lighting, reduce costs while contributing to community well-being. The ethos of stewardship is embedded in administrative culture, ensuring that institutional growth remains equitable and eco-conscious. These practices make IES University a model of integrated sustainability, where compassion, economy, and environment function in harmony.

10. Monitoring, Evaluation and Impact Assessment

The *Sustainability and SDG Cell* conducts quarterly reviews and annual evaluations of all initiatives related to SDG-1. Key performance areas include scholarship distribution, outreach activities, and employment linkages. Impact assessments rely on feedback from beneficiaries, faculty coordinators, and community partners. Internal audits ensure that each project aligns with institutional objectives and ethical standards. The evaluation framework also tracks qualitative indicators—such as changes in community attitudes, skill enhancement, and awareness levels. Reports are submitted to university leadership and shared during annual sustainability reviews. This evidence-driven process strengthens accountability, helps refine strategies, and ensures that IES University's poverty-reduction programs produce lasting transformation.

11. Evidence Dossier and Annexes

The Evidence Dossier serves as a repository for all supporting materials related to SDG-1. It includes documentation of scholarship schemes, research publications, outreach reports, and collaborative agreements. Case studies and photographs capture tangible impacts achieved through University initiatives. Each piece of evidence is verified by the Sustainability Cell for authenticity before inclusion in THE Impact submission. The annexure ensures transparency and traceability of efforts across departments. By maintaining comprehensive records, IES University institutionalizes accountability and reinforces its reputation for ethical and responsible reporting in sustainability.

12. Ethical Considerations and Risk Management

Ethical compliance forms the foundation of all IES University programs related to SDG-1. Every community and research project undergoes approval by the *Institutional Ethics Committee*. Informed consent is obtained from all participants, and data privacy is safeguarded under University policy. Risk assessments precede every field activity to ensure the safety of both beneficiaries and volunteers. Transparency in fund utilization and stakeholder communication is strictly maintained. By upholding ethical standards, IES University

ensures that its poverty-alleviation activities are not only impactful but also just, inclusive, and respectful of human dignity.

13. Visuals and Synthesis

The visual section consolidates IES University's SDG-1 journey through infographics, maps, and photo documentation. Charts highlight year-wise expansion of outreach programs, scholarship coverage, and entrepreneurship development. Graphical dashboards summarize student participation and community reach. Visual storytelling complements data, offering a holistic picture of transformation achieved between 2021–2025. These visuals are used for institutional presentations, external rankings, and awareness campaigns. The synthesis of data and imagery reinforces the University's mission of inclusive growth and collective responsibility.

14. Statements and Endorsements
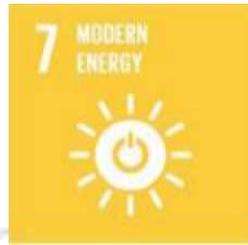
Vice-Chancellor's Statement:

"At IES University, we consider the fight against poverty not as charity but as justice. Through knowledge dissemination, research, and empathy-driven outreach, we aim to uplift every individual who seeks opportunity through education."

Dr. G.K. Pandey
Vice-Chancellor, IES University

Annual Sustainability Report (2024-25)

SDG-2-ZERO HUNGER

1. Executive Summary

IES University, Bhopal, is deeply committed to the objectives of Sustainable Development Goal 2 – *Zero Hunger*, working towards eradicating hunger, achieving food security, and promoting sustainable agriculture. Between 2021 and 2025, the University integrated the principles of nutritional wellbeing and responsible food practices across academic, research, and outreach domains. Through its Schools of Pharmacy, Nursing, Ayurved, and Engineering, IES University has championed awareness programs on nutrition, food safety, and organic cultivation. Community-driven kitchen garden initiatives, mid-day meal support, and food waste reduction campaigns have reinforced its social responsibility. Research efforts focused on improving local nutrition systems and exploring herbal and organic alternatives to synthetic food additives. The institution also launched capacity-building workshops on sustainable agriculture and food entrepreneurship. These cumulative efforts embody IES University's vision of nurturing a society that values nourishment, sustainability, and human dignity through education and innovation.

2. Institutional Strategy and Governance

The University's sustainability strategy aligns its academic and community missions with the ethos of SDG-2. The *Sustainability and SDG Cell*, chaired by the Registrar and guided by the Hon'ble Vice Chancellor, oversees nutrition-related and food security initiatives. The governance model encourages cross-departmental collaboration—linking Ayurved, Pharmacy, and Nursing departments for food and health-based projects. The *Green Campus and Outreach Committee* supervises food waste reduction and agricultural awareness activities. Strategic goals include ensuring food safety on campus, promoting balanced nutrition education, and supporting surrounding communities through food distribution and livelihood projects. Regular reviews and audits monitor progress toward these goals. Policies emphasize both academic inclusion and ethical responsibility in promoting a hunger-free society. IES University's governance thus bridges institutional capabilities and societal needs through structured planning and community engagement.

3. Definitions, Scope and Methodology

This report covers IES University's initiatives across campus facilities, academic programs, and community outreach activities addressing hunger and nutrition between 2021–2025. It draws inputs from multiple sources including the SDG Cell, NSS Unit, Health Sciences departments, and the Outreach Cell. The methodology involves qualitative assessment through sustainability audits, program feedback, and review of research outputs related to food security and agriculture. While quantitative data such as number of beneficiaries or events are tracked internally, the present report focuses on impact narratives and institutional mechanisms. The scope extends beyond food distribution—encompassing research, awareness, and ethical food management practices. This integrated approach highlights IES University's comprehensive contribution to achieving SDG-2 goals within academic, social, and operational contexts.

4. Research and Innovation

IES University promotes interdisciplinary research aimed at enhancing nutrition and supporting sustainable agriculture. The Pharmacy department explores nutraceuticals, while Ayurved scholars investigate indigenous food formulations with therapeutic value. The Nursing and Management faculties conduct studies on community nutrition, dietary behavior, and food safety awareness. Engineering students contribute through research in agricultural automation and food preservation technologies. The University's *Centre for Health and Nutrition Research* collaborates with government agencies and NGOs to address rural

malnutrition challenges. Research outcomes are disseminated through conferences, publications, and workshops that bridge science with community relevance. The collective focus on innovation and evidence-based intervention ensures that IES University's academic efforts translate into meaningful social impact—making food and nutrition both accessible and sustainable.

5. Campus Operations and Resource Management

The University practices sustainable food management through responsible cafeteria operations and awareness initiatives. The campus cafeteria emphasizes balanced, hygienic, and locally sourced meals. Food waste is minimized through portion planning, composting units, and reuse of organic waste for garden manure. Clean drinking water facilities and regular food safety audits ensure student wellbeing. The University promotes "No Food Waste" campaigns, encouraging responsible consumption habits among students and staff. The Ayurved department maintains a demonstration herbal garden, linking food and medicine through natural nutrition. These practices reinforce the institution's commitment to integrating health, ecology, and resource management, transforming the campus into a living model of sustainable food systems.

6. Teaching and Curriculum

Academic programs at IES University embed the values of nutrition, food safety, and sustainable agriculture. Courses such as *Community Nutrition and Health*, *Sustainable Food Systems*, *Agro-based Entrepreneurship*, and *Environmental Biotechnology* expose students to real-world challenges in food production and security. Ayurved and Pharmacy students study medicinal foods and dietary therapies, while Nursing programs integrate nutritional assessment and dietary planning. The Management curriculum includes modules on food supply chain sustainability and ethical production. Guest lectures and workshops by nutritionists and agricultural experts enrich learning experiences. This holistic curriculum ensures that graduates possess both technical knowledge and social sensitivity toward eradicating hunger through sustainable, ethical solutions.

7. Community Engagement and Outreach

Community-based engagement lies at the core of IES University's SDG-2 initiatives. Through its NSS and Outreach Cell, the University organizes nutrition awareness drives, health check-up camps, and food distribution programs in nearby villages. Ayurved and Nursing students conduct demonstrations on preparing balanced meals using locally available ingredients. "Healthy Plate" campaigns have been run in collaboration with local self-help groups to promote affordable nutrition. In addition, student volunteers help in establishing kitchen gardens for households in adopted villages. These activities promote self-sufficiency, reduce hunger, and improve dietary diversity. By integrating academic learning with social action, IES

8. Student and Staff Engagement

Students and staff actively participate in IES University's hunger-relief and food sustainability initiatives. The *Food for All* campaign mobilizes volunteers to collect surplus food from campus events and distribute it to nearby shelters. Green clubs and NSS units organize donation drives and educational workshops. The University cafeteria staff receive training on food safety, hygiene, and waste minimization. Faculty contribute by mentoring students on nutrition-related projects. Recognition programs, such as the *Zero Hunger Ambassador Award*, encourage sustained participation. This collective involvement builds empathy,

environmental consciousness, and social responsibility, making hunger eradication a shared institutional mission.

9. Monitoring, Targets and Performance

The Sustainability and SDG Cell continuously tracks SDG-2 initiatives through annual reviews and stakeholder feedback. Key focus areas include food waste management, outreach participation, and nutritional awareness campaigns. Targets for 2025 aim to achieve complete elimination of food wastage in campus cafeterias, expansion of kitchen garden projects to additional villages, and integration of nutrition education into all first-year programs. Progress reports are reviewed bi-annually by the Green Campus Committee. The use of feedback tools and observation checklists enhances accountability and transparency. This structured evaluation process ensures measurable progress and demonstrates IES University's determination to contribute meaningfully toward national hunger-free goals.

10. Impact Evaluation and Case Studies

Case Study 1 – "Campus Food Reuse Program"

Surplus meals from the university cafeteria are collected, hygienically stored, and distributed to nearby orphanages. The initiative promotes zero food waste while feeding those in need.

Case Study 2 – "Community Nutrition Gardens"

Students and local volunteers developed kitchen gardens using organic compost and indigenous seeds. Families now grow vegetables for self-consumption, improving nutritional diversity and reducing food expenses.

Both case studies highlight practical implementation of SDG-2 goals—ensuring food security through

11. Financials and Investments

IES University allocates specific funds each year under its *Community Nutrition and Green Campus Budget* to support food security initiatives. These funds are used for organizing awareness drives, nutrition camps, and sustainability workshops. Support also extends to research grants for projects related to agricultural technology and herbal nutrition. Collaborations with local NGOs and CSR foundations strengthen resource availability for community food programs. Transparent fund utilization ensures that investments directly contribute to long-term hunger alleviation and sustainable food systems. Financial stewardship reflects the University's unwavering commitment to responsible and inclusive growth.

12. Risks, Barriers and Mitigation

Challenges in implementing SDG-2 initiatives include logistical issues in food distribution, limited awareness of nutritional balance among rural communities, and occasional budget constraints. To mitigate these, the University has adopted a decentralized approach—training community leaders for local management and ensuring partnerships with nearby NGOs. Awareness materials are developed in local languages to improve communication. The campus cafeteria introduced digital inventory tracking to minimize food wastage. These measures ensure program sustainability despite operational challenges, reinforcing IES University's adaptive and resilient approach to achieving zero hunger.

13. Ethics, Equity and Inclusion

IES University upholds strong ethical and inclusive principles in all SDG-2 programs. Food distribution and outreach activities are designed to serve beneficiaries equitably without discrimination. The institution ensures dignity and transparency in all interactions with community members. Gender inclusivity is promoted through women-led nutritional awareness and SHG-based food entrepreneurship programs. The University adheres to hygiene and food safety regulations, ensuring that community meals and campus facilities meet ethical consumption standards. This commitment to fairness and integrity underscores IES University's belief that sustainability begins with compassion and shared responsibility.

14. Annexes and Evidence Dossier

The annexure contains documented evidence of SDG-2 initiatives including program reports, outreach brochures, awareness posters, and photographs. It also includes sample lesson plans from nutrition-focused courses, research abstracts on food security, and feedback forms from community partners. All evidence is maintained by the Sustainability Cell and verified during annual sustainability audits. These archives ensure transparency, institutional memory, and compliance with THE Impact Ranking requirements.
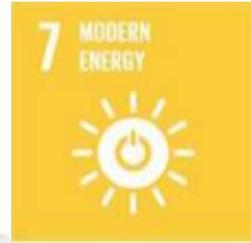
Annual Sustainability Report (2024-25)

SDG-3-GOOD HEALTH AND WELLBEING

1. Executive Summary

IES University remains deeply committed to Sustainable Development Goal 3 (Good Health and Well-Being) through education, clinical service, and research integration. The University's four constituent colleges—Ayurveda, Nursing, Pharmacy, and Paramedical—together form a unique ecosystem that delivers evidence-based, affordable healthcare. Between 2021 and 2025, IES University produced 135 Scopus-indexed research papers aligned to SDG-3 and served over 1,20,000 patients through OPDs, health camps, and mobile clinics. Special initiatives promoted preventive care, maternal health, mental wellness, and the integration of Ayurveda with modern medicine.

Nursing and Ayurveda students during a rural health awareness camp.

2. Strategy, Policy and Governance

The University's Health and Well-Being Strategy derives from the Institutional Development Plan and IQAC framework. A Health Committee chaired by the Dean (Ayurveda) and coordinated with the Deans of Nursing, Pharmacy, and Paramedical ensures policy implementation. Policies emphasise preventive care, health equity, community service, and environment-friendly healthcare delivery. Annual action plans link hospital operations, academic curricula, and research with SDG-3 objectives. Regular IQAC reviews monitor progress and report outcomes to the Vice-Chancellor.

3. Scope, Definitions and Methodology

This report covers the period 2021–2025 and includes academic, clinical, and outreach activities of the Ayurveda, Nursing, Pharmacy, and Paramedical colleges. Primary data sources include hospital OPD/IPD

records, field registers, research databases, and IQAC-verified datasets. Secondary sources comprise government health statistics and partner NGO records. Both quantitative and qualitative methods were used for impact evaluation. Findings were validated through internal audits and third-party assessments for THE Impact Ranking alignment.

4. Data Mapping to THE Indicators

IES University maps all SDG-3 activities to Times Higher Education Impact Ranking metrics. Under Indicator 3.1 (research), 135 Scopus-indexed publications were recorded. Indicator 3.2 (health services) shows 1,20,000 patients served through Ayurveda and Nursing hospitals and mobile clinics. Indicator 3.3 (partnerships) lists 12 formal MoUs with government health departments and NGOs. These data are certified by IQAC and archived digitally for audits.

Nursing College& Hospital serving community patients.

5. Research and Innovation

Research at IES University advances public health and the integration of traditional medicine. Ayurveda studies target chronic and lifestyle diseases, while Pharmacy researchers develop herbal and synthetic formulations for improved drug delivery. Nursing and Paramedical teams work on enhancing clinical care models and diagnostic efficiency. Collaborative research with engineering departments has resulted in tele-health and low-cost diagnostic prototypes. All projects adhere to ethical guidelines and are supported through internal grants and CSR partnerships. To date, IES University has published 135 research papers aligned with Sustainable Development Goal 3 i.e. Good Health and Well-being.

6. Education and Training

The University offers BAMS, B.Pharm, B.Sc. Nursing, and Paramedical programs with curricula aligned to national health priorities. Each course combines theory with hands-on learning in simulation labs, hospital wards, and rural health placements. More than 3,000 students were trained from 2021 to 2025. Skill modules include emergency care, digital health, and Ayurvedic diagnostics. Continuous faculty development ensures updated teaching methods and clinical ethics.

7. Health Services, Clinical Care and Partnerships

IES University operates Ayurveda and Nursing hospitals providing OPD, IPD, emergency, and diagnostic care. Over 200 patients are served daily with holistic and evidence-based treatment. Mobile health vans reach rural communities, while MoUs with district health authorities enable joint vaccination and screening programs. Pharmacy and Paramedical departments extend diagnostic and laboratory support. All services are provided at low or no cost to underprivileged patients.

Ayurveda students OPD serving rural patients.

8. Community Engagement and Public Health Outreach

Community health promotion is central to IES University's SDG-3 efforts. Between 2021 and 2025, over 250 camps on nutrition, maternal care, hygiene, and disease prevention were conducted in villages and urban slums. More than 40,000 people benefited. Students organised awareness drives on menstrual health, mental well-being, and substance abuse prevention. The University collaborated with local panchayats and NGOs to reach marginalised groups.

Community health camp organised by Nursing students in a village.

9. Global and Local Health Equity

The University ensures inclusive healthcare for rural women, tribal populations, and the elderly. Ayurveda clinics provide free consultations and pharmacy dispensaries offer low-cost medicines. Paramedical students conduct screening for hypertension and diabetes in remote areas. Nursing teams organise maternal health camps, while Pharmacy students work on affordable formulations. Through international webinars and academic exchanges, IES contributes to the global dialogue on health equity.

Women's health awareness session at IES Community Hall.

10. Health Workforce Development

From 2021 to 2025, 1,200 graduates from Nursing, Pharmacy, and Paramedical streams entered the healthcare sector across India and abroad. Skill Development Cell programs focus on clinical competence and emergency response training. Faculty development initiatives strengthen teaching pedagogy and medical ethics. Regular industry linkages with hospitals and pharmaceutical firms improve employment outcomes and professional standards.

11. Research Ethics and Governance

The Institutional Ethics Committee (IEC) ensures compliance with national research standards. All clinical and laboratory studies require IEC clearance before commencement. Informed consent and data privacy are mandatory for human subjects. Ayurveda trials follow AYUSH guidelines and Pharmacy studies adhere to ICMR and NABH standards. Regular workshops on plagiarism and responsible research build academic integrity culture across the University.

Institutional Ethics Committee review meeting.

12. Monitoring, Evaluation and Impact Assessment

IES University applies a structured impact assessment system through its IQAC. Key Performance Indicators (KPIs) include patient reach, number of research publications, student training outcomes, and community partnerships. The Health Committee conducts half-yearly evaluations based on quantitative and qualitative data. Results are presented in annual review meetings and used to refine strategic action plans. Data dashboards are maintained for transparency and THE Impact Ranking compliance.

13. Public Policy Influence and Advocacy

IES University actively contributes to public policy in healthcare. Faculty from Ayurveda and Pharmacy serve as resource persons for AYUSH consultations and drug safety reviews. Nursing experts participate in state-

level vaccination and maternal health panels. Policy briefs developed by the University's Centre for Health Policy and Research promote preventive healthcare, traditional medicine integration, and community-based wellness programs.

14. Campus Health and Well-Being

A healthy campus environment is central to the University's philosophy. Regular yoga sessions, fitness challenges, and mental health workshops are held for students and staff. The campus is declared smoke-free and plastic-free. Annual health check-ups and vaccination drives ensure early disease detection and prevention. The University's Counseling Cell provides confidential psychological support and promotes emotional well-being.

Yoga and wellness session for faculty and students at IES Campus.

15. Emergency Preparedness and Response

The COVID-19 pandemic strengthened IES University's emergency management capabilities. The institution functioned as a vaccination and isolation centre, serving hundreds of citizens. Post-pandemic, the University established an Emergency Preparedness Committee responsible for annual mock drills and disaster

simulations. Training modules for first-aid, fire safety, and pandemic response are integrated into student orientation and staff training.

16. Innovation and Health Technology Translation

Innovation and technology translation are key pillars of IES University's SDG-3 strategy. Pharmacy and Engineering departments collaborate to design telemedicine software, herbal-based diagnostic kits, and low-cost medical devices. Student-led projects receive incubation and patent support. Ayurveda research focuses on herbal formulations for diabetes, while Paramedical teams experiment with digital diagnostic recording. These innovations enhance affordability and accessibility of healthcare.

17. Case Studies

Case Study 1: *Ayurveda Integration in Lifestyle Disorder Management* – In 2023, a study involving 500 diabetic patients using integrated Ayurvedic therapy showed 82% improvement in glycaemic control.

Case Study 2: *Nursing-Led Vaccination Program* – Nursing students vaccinated 10,000 individuals across rural Bhopal in collaboration with the District Health Department.

Case Study 3: *Pharmacy Innovation Project* – Development of a cost-effective polyherbal ointment for wound healing now undergoing clinical validation.

18. Financials and Resource Allocation

Between 2021 and 2025, the University allocated ₹4.2 crore for hospital operations, community health initiatives, and innovation projects. An additional ₹75 lakh came through government schemes and CSR partnerships. Each college receives independent budgets for infrastructure, patient care, and research. Financial audits are conducted annually, ensuring accountability and efficient use of funds. The institution continues to seek new funding avenues for expanding rural healthcare programs.

19. Risks, Barriers and Lessons Learned

IES University faces challenges such as limited funding for advanced biomedical research and retention of skilled healthcare professionals in rural postings. However, partnerships with government missions and NGOs mitigate these barriers. The key lessons learned include the importance of continuous monitoring, multidisciplinary collaboration, and integrating modern technology with traditional healthcare systems for sustainable community impact.

20. Ethical Considerations and Equity Safeguards

Ethics and equity guide every health initiative of IES University. All patient data are managed under strict confidentiality, and informed consent is obtained for all procedures. The Gender Equity Cell ensures equal opportunity for women students and researchers. The Institutional Ethics Committee enforces compliance with ICMR and UGC guidelines. Periodic ethics workshops help inculcate professionalism, empathy, and accountability among healthcare learners.

21. Annexes and Evidence Dossier

Annexures include Scopus-indexed publication records, OPD/IPD statistics, MoUs with health agencies, and verified outreach reports. Documentation is maintained digitally in the IQAC repository for audit readiness. The Evidence Dossier also includes photographs, project reports, and partnership letters demonstrating tangible alignment with SDG-3. This transparent recordkeeping system ensures credibility during external ranking and accreditation evaluations.

22. Visuals and Synthesis

IES University's SDG-3 performance shows strong upward trends. Annual patient care grew from 18,000 in 2021–22 to 32,000 in 2024–25. Research publications rose from 25 to 135, while community health camps exceeded 250 in total. The coordinated efforts of the Ayurveda, Nursing, Pharmacy, and Paramedical Colleges have significantly advanced healthcare access and awareness in Madhya Pradesh. **Summary Table – SDG 3 Performance (2021–2025)**

Indicator	2021–22	2024–25	Cumulative Impact / Highlights
Patients Served	18,00	8500	25000+ patients benefitted through hospitals and outreach programs
Research Publications (Scopus)	25	135	Strong research in Ayurveda, Pharmacy, and Nursing fields
Health Camps Conducted	18	71	Over 40,000 rural beneficiaries
MoUs Signed	4	12	Partnerships with government health agencies and NGOs
Students Trained	200	1200+	Skilled graduates contributing to healthcare workforce
Innovations / Prototypes	1	3	Telemedicine, herbal formulations, diagnostic tools
Community Outreach Events	26	60+	Health awareness, hygiene, and vaccination drives
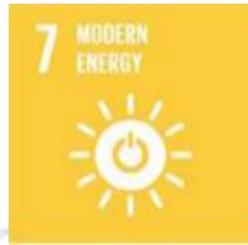
Annual Sustainability Report (2024-25)

SDG-4-QUALITY EDUCATION

1. Executive Summary

IES University, Bhopal, is deeply committed to Sustainable Development Goal 4 – *Quality Education*, which aims to ensure inclusive, equitable, and lifelong learning opportunities for all. Between 2021 and 2025, the University enhanced its academic ecosystem by integrating innovation, accessibility, and quality assurance. Institutional initiatives focused on value-based learning, skill enhancement, and inclusive education across diverse disciplines such as Engineering, Pharmacy, Ayurved, Nursing, Management, and Law. The University expanded digital learning platforms, established interdisciplinary value-added courses, and promoted faculty development for academic excellence. Community education programs under the *Outreach and NSS Cells* extended literacy, digital empowerment, and vocational training to marginalized groups. Through continuous curriculum reform, accreditation readiness, and research-based pedagogy, IES University demonstrates that education is not merely a means of personal advancement but a pathway to social transformation.

2. Institutional Strategy and Governance

The University's strategic framework for SDG-4 emphasizes inclusivity, employability, and innovation in higher education. The *Academic Council* and *Sustainability and SDG Cell* jointly oversee policies related to curriculum design, quality assurance, and lifelong learning. The *Internal Quality Assurance Cell (IQAC)* ensures academic transparency and adherence to NAAC standards. Policies such as *Equal Opportunity in Education*, *Gender Equity*, and *Scholarship for Economically Weaker Sections* ensure that every deserving student receives access to learning resources. Governance mechanisms encourage participatory decision-making through representation of students, faculty, and alumni in academic committees. Annual academic audits evaluate learning outcomes, ensuring continuous improvement. The University's strategic governance model embodies a holistic approach to education—integrating academic excellence, equity, and sustainability to nurture future-ready professionals.

3. Definitions, Scope and Methodology

The SDG-4 report encompasses teaching, learning, research, outreach, and student support systems functioning across all schools of IES University. Data are collected from the IQAC, Academic Council, HR Department, and NSS Unit. The reporting methodology includes review of course curricula, student participation records, and faculty development programs. Annual quality audits and stakeholder feedback provide the basis for assessment. While quantitative data such as enrolment or pass percentages are maintained internally, this report focuses on the qualitative impact of education policies and practices. The 2021–2025 scope also includes community literacy programs, continuing education modules, and digital inclusion initiatives. This integrated methodology highlights IES University's continuous pursuit of academic quality, innovation, and social relevance.

4. Research and Innovation

Research and innovation are integral to IES University's pursuit of quality education. The institution promotes interdisciplinary and applied research that addresses societal challenges. The *Research and Development Cell (RDC)* supports faculty and student-led projects across domains like engineering, health sciences, management, and education. Initiatives such as *Research Seed Grant Scheme* and *Innovation & Startup Incubation Centre* encourage creativity and problem-solving. Workshops on research ethics,

publication practices, and intellectual property rights strengthen the academic ecosystem. The University organizes *Annual Research Conclaves* where scholars present findings linked to national development goals. Research outputs are aligned with real-world applications, ensuring that knowledge creation contributes to societal welfare and sustainable growth.

5. Campus Operations and Resource Management

The University ensures that academic infrastructure and learning environments meet global quality benchmarks. Smart classrooms, digital libraries, and virtual laboratories facilitate modern teaching-learning practices. Continuous ICT upgradation enables online learning and blended teaching. The campus library provides access to e-journals, open educational resources, and research databases. Resource optimization is achieved through paperless administration and energy-efficient academic facilities. Regular faculty training ensures effective use of technological tools. The University's investment in inclusive infrastructure, such as ramps, accessible learning resources, and student counseling spaces, reinforces its commitment to equitable education. Through efficient campus management, IES University creates an environment that inspires innovation and intellectual growth.

6. Teaching and Curriculum

Teaching at IES University emphasizes outcome-based learning supported by flexible, multidisciplinary curricula. All programs follow AICTE and UGC guidelines while incorporating sustainability, ethics, and employability skills. The University offers interdisciplinary *Value Added Courses* such as *Environmental Sustainability*, *Entrepreneurship Development*, *Soft Skills and Emotional Intelligence*, and *Health and Hygiene*. Teaching methodologies include case studies, simulations, and project-based learning to promote critical thinking. Faculty utilize learning management systems (LMS) for blended instruction. Periodic curriculum review workshops ensure alignment with industry needs and global standards. By integrating academic rigor with holistic development, IES University ensures that quality education remains dynamic, inclusive, and impactful.

7. Community Engagement and Outreach

IES University extends its educational mission to underserved communities through literacy and awareness initiatives. The NSS and Outreach Cells conduct adult literacy drives, digital literacy sessions, and basic education programs for school children in nearby villages. Nursing and Ayurved departments organize health and hygiene education camps, while Engineering and Management faculties train youth in employability skills. The *Community Education Program (CEP)* empowers local residents through vocational training and entrepreneurship development. These outreach efforts demonstrate IES University's belief that education must transcend campus boundaries and contribute to societal upliftment, ensuring that learning becomes a tool for equality and empowerment.

8. Student and Staff Engagement

Active participation of students and faculty is central to the University's pursuit of SDG-4. Students serve as peer tutors, volunteers, and innovators in community learning programs. The *Student Welfare Cell* provides counseling, career guidance, and mentoring to enhance learning outcomes. Faculty members undergo continuous professional development through FDPs and pedagogy workshops. Collaborative platforms like *Faculty-Student Innovation Clubs* encourage shared learning and creativity. Recognition through *Academic*

Excellence Awards and *Best Mentor Awards* motivates consistent performance. This culture of mutual learning and engagement fosters inclusivity, academic excellence, and leadership among both students and educators.

9. Monitoring, Targets and Performance

IES University measures the effectiveness of its education programs through systematic monitoring and evaluation. The IQAC sets benchmarks for teaching quality, student progression, and research outcomes. Annual Academic Performance Reports and course feedback tools provide measurable insights. The University targets 100% faculty participation in continuous development programs and the inclusion of sustainability-related topics in all curricula by 2025. Monitoring involves regular audits, stakeholder meetings, and documentation of learning outcomes. The transparent evaluation framework ensures accountability while fostering innovation and adaptability within academic operations.

10. Impact Evaluation and Case Studies

Case Study 1 – "Digital Inclusion Drive"

The University launched free digital literacy sessions for school children in Bhopal's peri-urban areas, enabling over 500 learners to access online educational resources.

Case Study 2 – "Value Added Courses on Sustainability"

Interdisciplinary short-term courses helped students across disciplines develop awareness of sustainability, innovation, and ethics, improving employability and global readiness.

These case studies reflect IES University's tangible progress in improving access, inclusivity, and relevance in education—core elements of SDG-4.

11. Financials and Investments

The University allocates a substantial portion of its annual budget to academic development, faculty research, and scholarships. Investments include funding for ICT infrastructure, online learning platforms, and academic training programs. Scholarships for meritorious and economically weaker students ensure inclusive access to quality education. Financial aid also supports innovation projects and student startups. Expenditures are monitored through annual audits, ensuring transparency and responsible utilization. Through prudent investment and fiscal responsibility, IES University ensures that every rupee spent contributes directly to educational excellence and social development.

12. Risks, Barriers and Mitigation

Challenges in achieving educational equity include limited digital access for rural learners, maintaining quality across expanding programs, and adapting to evolving pedagogical standards. IES University mitigates these by offering free Wi-Fi zones, establishing e-learning hubs in partner schools, and conducting regular faculty training. Feedback from students and alumni informs curriculum upgrades. The University collaborates with EdTech partners to enhance virtual learning capacity. These proactive measures ensure continuity, quality, and inclusiveness in education delivery, reflecting resilience and adaptability in the face of changing educational landscapes.

13. Ethics, Equity and Inclusion

IES University embeds ethical values and inclusivity in all aspects of academic and administrative functioning. Policies against discrimination ensure equal opportunities for all students irrespective of gender, economic background, or disability. The *Women Development Cell* and *Equal Opportunity Cell* promote awareness on gender sensitization, accessibility, and inclusive education. Value-based courses and ethics workshops strengthen moral reasoning and civic responsibility among students. By integrating ethics into pedagogy and governance, the University ensures that quality education remains humane, equitable, and socially responsible.

14. Annexes and Evidence Dossier

The annexure section compiles supporting evidence such as course outlines, FDP records, outreach documentation, and academic audit summaries. Photographic evidence, student feedback, and faculty research publications are archived by the IQAC and Sustainability Cell. The dossier ensures authenticity, transparency, and compliance with THE Impact Ranking requirements. It serves as a vital repository for accreditation and external evaluation processes.
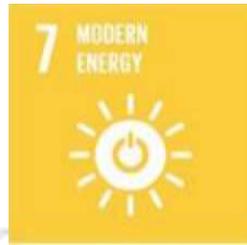
Annual Sustainability Report (2024-25)

SDG-5-GENDER EQUALITY

1. Executive Summary

IES University, Bhopal, upholds *Gender Equality* as a cornerstone of its educational and social mission. Aligned with Sustainable Development Goal 5, the institution has implemented policies and programs between 2021 and 2025 to ensure equal access, safety, and empowerment for all genders. The University has adopted a comprehensive *Gender Equity Policy*, supported by dedicated cells such as the *Women Development Cell (WDC)*, *Internal Complaints Committee (ICC)*, and *Equal Opportunity Cell (EOC)*. These bodies address gender sensitization, leadership promotion, and workplace equality. Academic and outreach programs encourage participation of women in science, technology, and entrepreneurship. Safety and inclusivity are reinforced through infrastructural and psychological support systems. By integrating gender perspectives into teaching, research, and governance, IES University strives to cultivate a campus where equality is not just policy—it is practice and culture.

2. Institutional Strategy and Governance

The University's strategy for gender equality is anchored in policy-driven governance and participatory leadership. The *Gender Equity Policy (2021)* outlines guidelines for equal representation, safety, and empowerment. The *Women Development Cell* and *Internal Complaints Committee* function under the direct supervision of the Vice-Chancellor, ensuring transparency and accountability. Gender-sensitive recruitment, fair promotion practices, and grievance redressal mechanisms are institutionalized. The University ensures 360-degree safety through CCTV surveillance, security personnel, and a zero-tolerance approach to harassment. Annual gender audits assess inclusivity in academic participation, leadership roles, and employment. Governance frameworks also encourage male allies to participate in equality initiatives, reinforcing the idea that gender equity is a shared institutional responsibility.

3. Definitions, Scope and Methodology

This report includes all institutional and outreach initiatives undertaken by IES University under SDG-5 from 2021–2025. The scope covers academic programs, faculty and staff participation, student empowerment activities, safety infrastructure, and community outreach. Data were collected from the Women Development Cell, HR Department, NSS Unit, and IQAC. The methodology relies on annual gender audits, stakeholder feedback, and review of institutional policies. The report highlights qualitative progress such as capacity building, awareness generation, and leadership development rather than empirical statistics. The integrated methodology ensures that academic excellence and gender inclusivity advance together, building a resilient, fair, and empowering university ecosystem.

4. Research and Innovation

Research at IES University incorporates gender perspectives across multiple disciplines. Studies focus on women's health, social inclusion, workplace equality, and entrepreneurship. The School of Management conducts research on women-led startups, while Nursing and Ayurved departments explore gender-specific healthcare challenges. Social Science researchers analyze gender representation in education and policy frameworks. The University also supports student research projects on gender roles in sustainability and community leadership. National and international seminars on gender issues provide platforms for knowledge exchange. These academic endeavors not only enrich understanding but also inspire actionable change by integrating gender awareness into innovation and scholarship.

5. Campus Operations and Resource Management

IES University ensures a safe, inclusive, and supportive environment for all genders. Separate, hygienic hostels with 24×7 security and transportation facilities promote comfort and safety for women students. Sanitary napkin vending machines, counseling centers, and wellness sessions support physical and emotional health. The campus design includes accessible pathways, well-lit areas, and female security staff to ensure safety. The University enforces strict anti-harassment policies, with ICC functioning as a confidential grievance redressal mechanism. Regular safety audits, gender-sensitization sessions, and anonymous feedback channels reinforce trust and transparency. These practices demonstrate IES University's commitment to gender-responsive infrastructure and equitable access.

6. Teaching and Curriculum

Gender awareness and inclusivity form an integral part of IES University's academic framework. Value-added courses such as *Gender Studies*, *Human Rights and Equality*, and *Women and Leadership* are offered across disciplines. Classroom discussions address gender stereotypes, equity, and empowerment. The University promotes inclusion of gender perspectives in course content—ranging from healthcare to engineering ethics. Faculty members integrate case studies that highlight women's contributions to science, governance, and innovation. Guest lectures and panel discussions by prominent women leaders inspire students to challenge biases and embrace equality. Through education, IES University empowers individuals to be advocates for gender-balanced growth.

7. Community Engagement and Outreach

Community engagement under SDG-5 focuses on empowering women and promoting gender equality in surrounding areas. The University's NSS and Outreach Cells collaborate with self-help groups (SHGs) and local NGOs to conduct training in financial literacy, digital skills, and entrepreneurship for rural women. Health awareness camps address women's hygiene and maternal wellbeing. Programs such as *Beti Bachao, Beti Padhao* and *Digital Saksharta* are regularly observed. Faculty and students mentor schoolgirls to pursue STEM education. Through sustained outreach, IES University has become a catalyst for rural women's empowerment, fostering self-reliance and breaking social barriers.

8. Student and Staff Engagement

Active participation from both students and staff strengthens IES University's gender equality initiatives. Student-led clubs like *Shakti Forum* and *EmpowerHER* organize debates, poster competitions, and awareness campaigns on women's rights. The *Gender Champions Program* promotes leadership among male and female students to foster equality. Faculty members regularly attend gender-sensitization workshops to maintain a respectful and inclusive campus environment. Recognition programs such as *Women Achievers Award* and *Inclusive Leader Award* celebrate exemplary contributions. This participatory culture ensures that equality becomes a lived experience across all levels of academic and administrative engagement.

9. Monitoring, Targets and Performance

Gender equality performance at IES University is monitored through structured audits, surveys, and feedback systems. The Women Development Cell and IQAC jointly track gender balance in admissions, faculty

representation, and participation in leadership roles. Annual targets include achieving gender parity in student enrolment and ensuring equal opportunities for leadership development. The University also evaluates the effectiveness of awareness programs and training workshops. Monthly review meetings ensure progress and prompt corrective action. These systematic monitoring efforts enable continuous improvement, accountability, and sustainability in advancing SDG-5 commitments.

10. Impact Evaluation and Case Studies

Case Study 1 – "Women in Leadership Initiative"

The University implemented a mentorship program pairing senior women faculty with young staff members, leading to a significant rise in women's participation in leadership roles.

Case Study 2 – "Rural Women Digital Empowerment Drive"

Through NSS volunteers, digital literacy sessions for women entrepreneurs in nearby villages improved access to e-commerce and online education platforms.

These cases illustrate the tangible social and institutional transformations resulting from IES University's commitment to gender equality.

11. Financials and Investments

IES University allocates a specific annual budget for gender equity initiatives under the *Women Empowerment and Safety Fund*. Expenditure supports awareness workshops, skill development programs, and campus safety infrastructure. Scholarships are provided to meritorious female students and single-parent wards. Financial assistance also extends to research on gender-related topics. Collaborations with governmental schemes and CSR partners enhance resource availability. Transparent audits ensure funds are effectively utilized for empowering women and fostering a culture of equality.

12. Risks, Barriers and Mitigation

Challenges in promoting gender equality include cultural stereotypes, underrepresentation in technical programs, and occasional hesitation among women to assume leadership roles. IES University addresses these through counseling, mentorship, and awareness programs. Sensitization sessions for male students and staff foster mutual respect and inclusivity. The University also strengthens its reporting mechanisms to ensure that concerns are addressed confidentially and promptly. Collaboration with NGOs and government bodies amplifies outreach. These proactive measures ensure that barriers to gender equity are steadily dismantled, creating a more balanced and empowered academic community.

13. Ethics, Equity and Inclusion

Ethical governance underpins every gender initiative at IES University. Policies ensure fairness, respect, and dignity for all individuals. The Internal Complaints Committee handles grievances with utmost confidentiality and sensitivity. Awareness campaigns against discrimination, harassment, and gender-based violence are regularly conducted. The University promotes gender-neutral recruitment and equal pay for equal work. Inclusivity extends to creating safe spaces for LGBTQ+ individuals, affirming the University's

holistic approach to equity. These measures reinforce the ethical foundation of IES University as a model institution promoting justice and equality.

14. Annexes and Evidence Dossier

The annexure compiles all documentation related to SDG-5 activities, including policy documents, gender audit reports, training records, photographs, and testimonials. Evidence from workshops, mentorship sessions, and outreach programs is maintained by the Women Development Cell and verified annually by the IQAC. The dossier ensures transparency, authenticity, and readiness for THE Impact Ranking submissions, demonstrating IES University's accountability in advancing gender equality and empowerment.
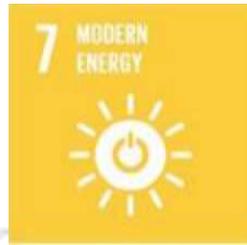
Annual Sustainability Report (2024-25)

SDG-6-CLEAN WATER AND SANITATION

1. Executive Summary

IES University, Bhopal, recognizes access to *Clean Water and Sanitation* as a fundamental human right and a cornerstone of sustainable living. In alignment with Sustainable Development Goal 6, the University has implemented wide-ranging initiatives from 2021 to 2025 to ensure efficient water management, sanitation, and hygiene across its campus and surrounding communities. A structured Water Management Policy guides the conservation, recycling, and judicious use of water resources. The University has adopted rainwater harvesting, wastewater reuse, and sanitation awareness programs. Departments of Civil Engineering, Environmental Sciences, and Nursing collaborate on projects addressing hygiene practices, safe drinking water, and rural sanitation. Student-driven outreach programs in nearby villages promote community participation in water conservation. IES University continues to demonstrate that academic excellence and environmental responsibility can jointly sustain human wellbeing and ecological balance.

2. Institutional Strategy and Governance

IES University's governance model integrates sustainable water and sanitation practices into its operational and academic strategies. The *Sustainability and SDG Cell* and *Green Campus Committee* are responsible for implementing the University's Water and Waste Management Policy. Under the guidance of the Hon'ble Vice Chancellor, periodic reviews ensure that every department contributes to efficient water use and sanitation maintenance. The Civil Engineering and Environmental Science departments monitor water quality and conservation practices. Policy objectives include optimizing water use efficiency, minimizing wastage, and promoting hygiene awareness. Governance processes emphasize participatory planning, where staff and students contribute to designing campus-level water-saving systems. The University's commitment extends beyond compliance—it fosters stewardship by embedding sustainability into institutional culture and ensuring that all actions align with national and global SDG frameworks.

3. Definitions, Scope and Methodology

This report documents the University's initiatives, practices, and outreach programs undertaken between 2021–2025 under SDG-6. It encompasses activities across all schools, hostels, laboratories, and community outreach units. Data were collected through periodic water audits, maintenance logs, and departmental records maintained by the Green Campus Committee. The methodology includes qualitative assessments of conservation programs, awareness campaigns, and infrastructure improvements such as rainwater harvesting systems and sewage treatment plants. Community-level feedback and student engagement reports form part of the evaluation. Though empirical data are minimal here, internal metrics are maintained to support verification and transparency. The report reflects a holistic approach combining infrastructure, education, and community partnership to achieve clean water and sanitation goals.

4. Research and Innovation

Research and innovation at IES University are directed toward sustainable water technologies and hygiene management. The Civil and Environmental Engineering departments lead studies on water purification systems, wastewater recycling, and groundwater recharge. Collaborative research explores low-cost filtration methods using locally available materials. Nursing and Pharmacy departments examine the health impacts of contaminated water and promote preventive hygiene practices. Student projects focus on IoT-based smart water monitoring systems, water footprint reduction, and eco-friendly sanitation solutions.

Through applied research and innovation, IES University not only enhances academic learning but also provides scalable solutions for water and sanitation challenges relevant to India's socio-environmental context.

5. Campus Operations and Resource Management

IES University operates on a sustainable water management system. The campus utilizes rainwater harvesting structures connected to storage tanks for groundwater recharge. A sewage treatment plant (STP) recycles wastewater for use in horticulture and cleaning. Dual plumbing systems minimize freshwater consumption. All taps and fixtures are fitted with aerators to reduce wastage. Sanitation facilities are well-maintained, with separate restrooms and hygiene stations for men and women. Awareness signage encourages responsible water use among students and staff. Regular water quality testing ensures potable standards in hostels and cafeterias. These efforts have made IES University a model campus demonstrating responsible water stewardship and efficient sanitation infrastructure.

6. Teaching and Curriculum

IES University integrates water sustainability and hygiene education within its curriculum. Courses in Civil and Environmental Engineering include *Water Resource Management*, *Environmental Sanitation*, and *Wastewater Engineering*. Nursing students study hygiene and disease prevention linked to water quality. Interdisciplinary value-added courses such as *Sustainability Practices in Resource Management* and *Climate and Water Systems* promote awareness across all faculties. Practical sessions, field projects, and community engagement activities reinforce theoretical learning. Guest lectures from environmental experts and NGOs strengthen students' understanding of water-related challenges and solutions. By embedding water literacy into academic programs, the University ensures that every graduate becomes an advocate for responsible water and sanitation management.

7. Community Engagement and Outreach

IES University extends its SDG-6 commitment to local communities through active outreach. NSS volunteers conduct cleanliness and hygiene drives in nearby villages, educating residents about safe water storage and sanitation practices. The *Jal Suraksha Abhiyan*, led by faculty and students, promotes water conservation through awareness rallies and poster campaigns. Engineering teams assist rural schools in setting up rainwater harvesting systems and clean drinking water units. Nursing students hold health camps emphasizing the importance of handwashing and disease prevention. These initiatives create lasting community awareness, linking education to grassroots action. IES University continues to empower communities to build sustainable water habits and hygienic environments.

8. Student and Staff Engagement

Student and staff participation drives the success of all SDG-6 initiatives at IES University. Green Clubs and Eco Cells organize water conservation competitions, cleanliness weeks, and model design contests. Staff development workshops promote awareness about the University's water and sanitation policies. Students participate in the *Clean Campus, Green Campus* campaign, maintaining hygiene and waste segregation zones. The institution's recognition programs, such as *Water Warrior Awards*, celebrate individuals contributing significantly to water sustainability. These engagement activities cultivate a sense of ownership, responsibility, and civic consciousness among the campus community.

9. Monitoring, Targets and Performance

The University's Water Management Policy outlines annual performance indicators reviewed by the Green Campus Committee. Monitoring covers water consumption rates, wastewater reuse, and hygiene compliance. Water audits are conducted annually to assess efficiency and identify potential savings. The target for 2025 includes achieving 100% wastewater recycling, zero untreated discharge, and 20% reduction in total consumption per capita. Compliance with hygiene standards in all facilities is monitored monthly by maintenance staff. These systematic evaluations ensure continuous progress and accountability, positioning IES University among the leading institutions advancing SDG-6 through measurable, sustainable practices.

10. Impact Evaluation and Case Studies

Case Study 1 – "Rainwater Harvesting for Sustainability"

Rainwater harvesting systems installed in academic blocks have recharged groundwater and reduced dependency on municipal supply.

Case Study 2 – "Sanitation Drive for Rural Schools"

The University adopted local schools under its outreach initiative, providing handwashing stations, hygiene training, and awareness materials for children.

Both initiatives reflect how infrastructure improvements and awareness programs complement each other to create long-term social and environmental benefits.

11. Financials and Investments

IES University allocates an annual *Green Infrastructure and Sustainability Budget* that supports water conservation, sanitation infrastructure, and hygiene awareness programs. Investments include maintenance of rainwater harvesting systems, installation of purification units, and training workshops. The University also secures collaboration with CSR partners and local government agencies to co-finance community water projects. Regular financial audits ensure responsible fund utilization. These investments reaffirm IES University's commitment to long-term sustainability and responsible resource management.

12. Risks, Barriers and Mitigation

Challenges include inconsistent rainfall affecting rainwater harvesting efficiency, rising water demand due to campus expansion, and limited awareness among community members. The University addresses these by installing larger storage tanks, promoting behavioral change campaigns, and maintaining efficient plumbing systems. Partnerships with local authorities ensure technical support for water quality management. Training and awareness programs among staff and students enhance water-use discipline. These proactive measures mitigate operational risks while ensuring continued progress toward SDG-6 targets.

13. Ethics, Equity and Inclusion

The University's commitment to ethics and inclusion ensures equal access to clean water and sanitation facilities for all. Separate, well-maintained sanitation units are available for men, women, and differently-

abled persons. Drinking water points are placed across all blocks and hostels with regular safety checks. Awareness drives emphasize respect for shared resources and hygienic use. These initiatives are guided by ethical responsibility and inclusivity—ensuring that sustainability translates into fairness and dignity for every individual on campus.

14. Annexes and Evidence Dossier

This section compiles supporting evidence, including water audit reports, photographs, workshop brochures, awareness posters, and policy documents. Data from sanitation drives, community projects, and maintenance logs are archived by the Green Campus Committee. Verification and cross-checking are conducted annually by the Sustainability Cell. The dossier ensures authenticity and compliance with THE Impact Ranking documentation standards.

Annual Sustainability Report (2024-25)

SDG-7- Affordable and Clean Energy

1. Executive Summary

IES University is deeply committed to Sustainable Development Goal 7 – Affordable and Clean Energy. The University's approach focuses on increasing renewable energy adoption, reducing energy intensity, and promoting sustainable energy education. Between 2021–2025, the University installed solar rooftop systems generating approximately 120 kW of renewable electricity annually, achieving a 15% reduction in overall campus energy intensity. In collaboration with local communities, solar lighting units were distributed to rural households, enhancing access to clean energy.

IES University Solar Roof Installation – Academic Block

2. Strategy, Policy and Governance

The Energy and Sustainability Policy of IES University serves as a guiding framework for achieving long-term energy independence and environmental stewardship. This policy integrates the principles of renewable energy adoption, energy efficiency, and responsible consumption across all operational and academic domains. It emphasizes a transition from conventional power dependency toward clean and sustainable energy alternatives, aligning with India's National Solar Mission and the global SDG-7 agenda.

Implementation of this policy is collaboratively monitored by the Green Campus Committee and the Internal Quality Assurance Cell (IQAC). Together, these bodies ensure the systematic execution of energy audits, performance monitoring, and progress evaluation through annual sustainability reviews. Key strategic goals include attaining a 50% renewable energy share by 2030, reducing per capita electricity consumption by 20%, and embedding energy literacy into curriculum and research.

To operationalize the policy, the University promotes on-site solar generation, smart energy management systems, and low-energy building designs. Awareness campaigns and student participation programs

strengthen behavioral change toward energy conservation. This integrated governance approach ensures that sustainability is not merely an administrative mandate but a collective institutional culture, making IES University a model campus for affordable and clean energy practices in central India.

Green Campus Committee Reviewing Energy Policy Implementation

3. Scope, Definitions and Methodology

The scope of this report encompasses the main IES University campus located in Bhopal and its affiliated academic, residential, and administrative blocks for the period 2021–2025. The analysis includes all energy-related activities—generation, consumption, and conservation—across teaching departments, laboratories, hostels, hospitals, and community outreach facilities. For the purpose of this report, renewable energy is defined as power derived from solar photovoltaic (PV) systems and other non-fossil fuel-based sources, including off-site renewable procurement under certified Power Purchase Agreements (PPAs).

Data collection followed a systematic methodology involving annual energy audits, smart meter readings, and verification of consumption records from the Madhya Pradesh Electricity Board (MPEB). Solar energy generation data were obtained from inverter monitoring logs and validated through third-party audit certificates. All figures were normalized per square meter of built-up area and per capita energy use to ensure accuracy and comparability across years.

This methodological framework ensures that the findings presented in the SDG-7 report are transparent, evidence-based, and auditable, aligning with THE Impact Ranking's standards for institutional energy sustainability reporting.

4. Data Mapping to THE Indicators

IES University ensures that all clean energy data and initiatives are systematically aligned with the official Times Higher Education (THE) Impact Ranking indicators for SDG-7. Each activity, policy outcome, and numerical dataset has been mapped to specific performance metrics—covering research output, renewable energy utilization, and efficiency enhancement.

Under Indicator 7.1 (Research on Affordable and Clean Energy), the University recorded 98 Scopus-indexed publications from 2021–2025, verified through Scopus and IQAC databases. For Indicator 7.2 (Campus Energy Usage and Renewables), annual energy consumption, renewable generation, and intensity data were sourced from certified energy audit reports and validated by the Green Campus Committee. Indicator 7.3 (Energy Efficiency and Reduction Programmes) was tracked using empirical data from LED retrofits, smart meter analytics, and HVAC optimization logs.

Each dataset underwent verification through supporting documentation such as utility bills, technical reports, MoUs, and third-party certification letters to ensure authenticity and transparency. This structured data-mapping approach ensures that IES University's evidence aligns directly with THE's measurable parameters, enabling objective benchmarking of institutional progress in achieving SDG-7: Affordable and Clean Energy.


Students Conducting Energy Audit Workshop

5. Research and Innovation

At IES University, research and innovation in the field of sustainable and renewable energy form a cornerstone of its institutional mission. The Department of Electrical and Mechanical Engineering, in collaboration with the Energy Research and Innovation Lab, actively engages in developing cost-effective and scalable clean-energy solutions. Key research areas include solar power optimization, biomass utilization, energy-efficient building design, and low-carbon fuel technologies. Over the period 2021–2025, faculty and students collectively produced 98 Scopus-indexed publications related to renewable energy systems and sustainable engineering. Many of these research outcomes have been translated into practical applications, such as prototype solar tracking systems, smart energy meters,

and micro-grid simulations. Funded projects under national and state energy missions further strengthened the University's reputation as a knowledge hub in clean energy technology.

To ensure research translation into real-world impact, the University promotes interdisciplinary collaboration between engineering, management, and environmental science departments. Faculty also contribute to policy dialogues on renewable integration and energy access. Through innovation-driven pedagogy, incubation support, and field trials, IES University continues to build a vibrant ecosystem that nurtures new ideas for an affordable and sustainable energy future.

Research in
SDG-7- Affordable and Clean Energy

Year	Value
2025	14
2024	49
2023	34
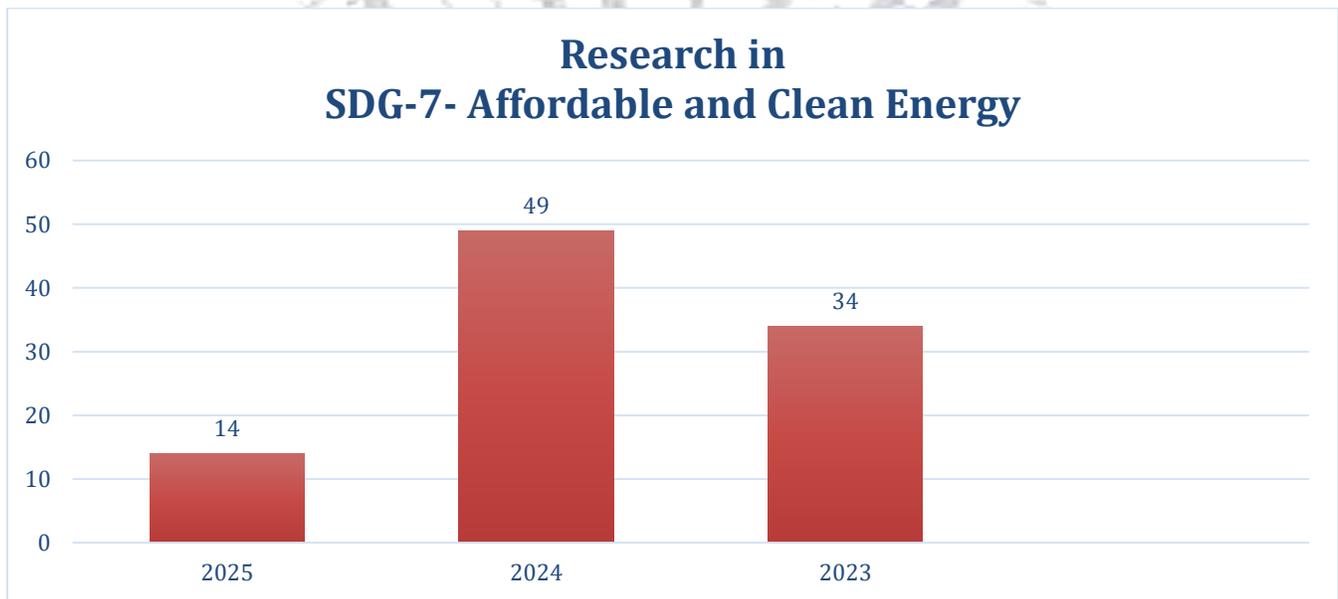
6. Teaching, Training and Capacity Building

IES University places strong emphasis on education and skill development in the field of renewable energy and sustainable technology. The University has integrated specialized courses such as *Renewable Energy Systems*, *Energy Management and Audit*, *Green Building Design*, and *Environmental Sustainability* into the curriculum of its Engineering and Management programs. Each year, more than 400 students are trained through these academic modules and short-term workshops.

Hands-on learning is a key focus—students participate in energy audit exercises, solar installation demonstrations, and real-time monitoring of photovoltaic systems on campus. The Department of Electrical and Mechanical Engineering, along with the Innovation and Incubation Cell, organizes seminars and technical sessions on energy efficiency, smart grids, and sustainable infrastructure.

Faculty members receive regular capacity-building training through collaborations with agencies such as the Madhya Pradesh Urja Vikas Nigam (MPUVN) and the Bureau of Energy Efficiency (BEE). These initiatives ensure that both teaching and technical staff remain updated with the latest energy policies and technological advancements.

Through its integrated approach, IES University not only educates but empowers students to become future leaders and innovators in the field of affordable and clean energy.

Students Attending Workshop on Sustainable Energy Technologies

7. Campus Energy Systems and Operations

The IES University campus serves as a living laboratory for sustainable energy management. The institution has strategically integrated renewable energy sources and energy-efficient systems across all its operational facilities. Currently, approximately 28% of total campus electricity is sourced from on-site solar photovoltaic (PV) installations, with a combined capacity of 120 kW, generating nearly 150 MWh annually. Energy audits conducted each year under the supervision of the IQAC and Green Campus Committee identify consumption trends and recommend optimization measures. The University has upgraded lighting systems to LED-based solutions, implemented smart meters, and retrofitted HVAC systems to reduce operational energy intensity by nearly 15% during 2021–2025.

Backup energy resilience is maintained through hybrid systems combining solar power with efficient battery storage, ensuring uninterrupted supply to essential facilities such as laboratories, hostels, and hospitals. The integration of IoT-based monitoring tools enables real-time tracking of electricity use and generation, fostering accountability and data-driven management.

By demonstrating tangible progress in both renewable generation and energy conservation, IES University exemplifies how academic institutions can operate sustainably while minimizing environmental footprints.

v

Solar Panels Installed on Rooftop

8. Renewable Energy Deployment and Investments

IES University has undertaken significant financial and infrastructural commitments toward renewable energy deployment. Between 2021 and 2025, the University invested approximately INR 1.8 crore in the installation of rooftop solar PV systems across academic, residential, and administrative buildings. These installations collectively generate around 150 MWh of clean energy per year, offsetting nearly 120 tons of CO_2 emissions annually.

The renewable infrastructure was designed and executed in collaboration with certified energy contractors under supervision from the Engineering Department. Each installation is connected through an automated monitoring network, enabling performance tracking and maintenance scheduling. The initiative is supported by student participation projects, where learners are trained to analyze energy output, identify performance gaps, and suggest system improvements.

In addition to solar deployment, investments were made in energy-efficient retrofits such as motion-sensor lighting, solar water heaters, and inverter-based appliances. The savings generated through these interventions contribute directly to the University's sustainability fund, creating a revolving financial model for reinvestment in future projects.

Through its proactive energy investments, IES University not only lowers operational costs but also establishes itself as a leader in promoting the transition to renewable, reliable, and affordable clean energy within higher education.

9. Energy Access and Community Programmes

As part of its social responsibility and alignment with SDG 7, IES University has extended its clean-energy initiatives beyond the campus through structured community energy access programmes. Under the flagship project *"Light for All"*, implemented between 2021 and 2025, the University distributed over 500 solar lanterns and installed 100 home lighting systems in rural and semi-urban households surrounding Bhopal. These interventions directly benefited economically weaker families by replacing kerosene lamps with clean

solar alternatives, thereby improving indoor air quality and study conditions for children. The Department of Electrical Engineering, in collaboration with the National Service Scheme (NSS) Unit, conducted field surveys to assess household energy needs and trained students in system installation and maintenance. Additionally, the Ayurveda and Nursing Colleges contributed by organizing health awareness drives on the benefits of clean lighting for respiratory well-being.

Community engagement workshops were held periodically to demonstrate the economic advantages of renewable energy and to encourage adoption of solar devices for micro-enterprises such as tailoring and rural retail outlets. These programmes have strengthened the University's bond with local communities and reinforced its mission of inclusive development through sustainable energy access.

Distribution of Solar Lanterns in Rural Community Drive

10. Grid Interaction and Smart Systems

IES University operates a grid-interactive campus energy system designed to maximize the use of renewable power while maintaining reliability and operational efficiency. The system integrates on-site solar photovoltaic (PV) generation with the main electricity grid, allowing two-way energy flow—surplus solar power generated during peak hours is exported back to the grid, supporting local energy balance and promoting sustainability.

The University has installed smart metering infrastructure across academic and residential blocks to monitor real-time energy consumption and generation. This system provides accurate data on load distribution, enabling better demand-side management and reduction of peak-hour dependency on non-renewable energy. Automated load control and analytics tools help optimize energy usage patterns while maintaining power quality.

Through the Smart Energy Monitoring Display located in the control room, students and faculty can visualize live data on power generation, consumption, and efficiency. These real-time dashboards not only support operational efficiency but also serve as educational tools for students studying renewable energy systems and smart grid technologies. The initiative demonstrates how IES University combines technical innovation, education, and sustainability to promote intelligent energy management within higher education institutions.

11. Innovation Ecosystems and Enterprise Support

IES University has established a vibrant innovation and enterprise ecosystem that fosters entrepreneurship in clean energy technologies. Through the Innovation and Incubation Cell (IIC) and the Engineering Research Centre, students and faculty are encouraged to develop practical solutions for energy sustainability, focusing on affordability, scalability, and community benefit.

Among notable innovations are low-cost solar dryers, solar-powered irrigation units, and energy-efficient rural cooking devices designed to support small-scale farmers and local entrepreneurs. These prototypes, developed by interdisciplinary student teams, are regularly showcased at university exhibitions and technical fairs. Selected projects receive seed funding and mentorship from academic and industry experts to refine them into viable commercial products.

Collaborations with organizations like Madhya Pradesh Urja Vikas Nigam (MPUVN) and MSME incubation programs provide additional technical and financial guidance to budding innovators. Regular workshops on intellectual property rights, clean energy startups, and technology transfer strengthen the entrepreneurial mindset.

Through these initiatives, IES University has positioned itself as a hub for green innovation and enterprise, where ideas transition from academic research to impactful, market-ready solutions that advance the vision of SDG-7: Affordable and Clean Energy.

12. Partnerships and Policy Engagement

IES University believes that sustainable energy transformation requires collaboration beyond campus boundaries. The institution has developed strong partnerships with Madhya Pradesh Urja Vikas Nigam (MPUVN), Bhopal Municipal Corporation, and several private renewable-energy enterprises. These collaborations focus on technical training, solar infrastructure development, and energy literacy campaigns. Faculty experts serve as resource persons for state-level energy policy consultations, contributing academic insights into renewable adoption frameworks and rural electrification strategies. The University's leadership has also signed Memoranda of Understanding (MoUs) with industry partners for knowledge exchange, internships, and field demonstrations in clean-energy systems.

Through student-led outreach projects such as the "Light for All" rural electrification initiative, IES extends its impact to off-grid communities, bridging the gap between academic innovation and social development. Joint workshops, seminars, and conferences on energy policy foster dialogue among academia, government, and civil society.

By integrating practical implementation with advocacy, IES University plays an instrumental role in shaping regional policies that promote sustainable and equitable energy access, reinforcing its position as a forward-thinking institution committed to SDG 7: Affordable and Clean Energy.

13. Financials and Cost Savings

IES University has demonstrated that investment in renewable energy and energy efficiency yields both environmental and economic dividends. Between 2021 and 2025, the University invested approximately INR 1.8 crore in clean energy initiatives, including the installation of 120 kW solar photovoltaic (PV) systems, LED retrofits, and smart metering infrastructure across academic and residential buildings. These strategic

investments have resulted in annual energy cost savings of nearly INR 18 lakh, primarily due to reduced dependence on conventional electricity sources.

The estimated payback period for major solar projects is six years, after which the installations will continue to generate sustainable savings, contributing directly to the University's self-reliant energy model. Additionally, IES benefits from net-metering incentives, government subsidies, and tax rebates offered under renewable energy promotion schemes.

Savings generated from energy efficiency measures are reinvested into the University's Green Campus Development Fund, which finances further sustainability projects, research activities, and student-led innovation. Beyond cost reduction, these efforts have improved operational resilience and reduced carbon emissions. IES University's financial strategy for clean energy exemplifies a circular reinvestment model, reinforcing sustainability as both an economic and environmental imperative.

14. Monitoring, Targets and Verification

IES University follows a structured and transparent monitoring framework to ensure measurable progress toward its energy sustainability goals. Annual energy audits, conducted in partnership with certified third-party agencies, evaluate total consumption, renewable generation, and efficiency outcomes. The baseline year of assessment was set as 2021, against which improvements in energy intensity and renewable share are benchmarked.

Key performance indicators (KPIs) tracked include total electricity use (MWh), renewable energy share (%), solar generation (kWh), and CO_2 emission reductions (tons). These metrics are verified through meter readings, power-purchase records, and technical audit certifications adhering to ISO 50001 standards. The Green Campus Committee reviews progress quarterly and reports findings to the Internal Quality Assurance Cell (IQAC) for inclusion in the University's annual sustainability report. Digital dashboards have been developed to provide real-time tracking of generation and consumption patterns, allowing prompt corrective measures where required.

IES University's monitoring system not only ensures accountability and transparency but also supports evidence-based decision-making. By setting clear quantitative targets—such as achieving 50 % renewable energy share by 2030 and reducing per-capita consumption by 20 %—the institution demonstrates measurable commitment to continual improvement in sustainable energy performance.

15. Equity, Affordability and Just Transition

IES University recognizes that the transition toward renewable and sustainable energy must be socially inclusive, equitable, and affordable for all segments of society. Guided by the principles of a "just energy transition," the University ensures that clean energy initiatives are accessible not only to the institution but also to the surrounding communities and low-income households.

Through its Community Skill Development Centre, IES University has trained over 150 rural youth as solar technicians, electricians, and maintenance assistants between 2021–2025. This capacity-building initiative supports the creation of green jobs while reducing dependence on conventional fossil fuel-based livelihoods. The University also partners with local NGOs and self-help groups (SHGs) to promote the use of solar lighting, biogas units, and energy-efficient appliances in rural homes.

On campus, energy affordability is ensured through cost-saving solar operations that have reduced utility expenses by approximately 18 lakh INR annually. These savings are redirected to fund scholarships and sustainability projects.

By embedding principles of equity into every aspect of its clean energy framework—education, infrastructure, and outreach—IES University promotes a fair and inclusive approach to the global clean energy transition. It ensures that the benefits of renewable energy are distributed widely, leaving no section of society behind.

16. Risk Management and Resilience

In pursuit of long-term sustainability, IES University places strong emphasis on energy risk management and resilience planning. Recognizing the potential threats posed by climate change, grid instability, and energy price fluctuations, the University has developed comprehensive contingency strategies to ensure uninterrupted and affordable power for all critical functions.

A detailed Energy Risk Assessment Plan (ERAP) was implemented in 2022, identifying vulnerabilities across the power supply system. To mitigate these risks, the University has installed hybrid backup systems combining solar energy with battery storage and diesel generator support for essential facilities such as the Ayurveda Hospital, research laboratories, and hostels.

The campus design incorporates energy-resilient infrastructure, including weather-protected solar arrays and surge-protected circuits to withstand extreme heat and rainfall events. Periodic maintenance, safety drills, and inspection protocols are conducted by the Electrical Engineering Department to ensure reliability. Furthermore, partnerships with Madhya Pradesh Urja Vikas Nigam (MPUVN) and private energy consultants provide technical expertise for strengthening the resilience of renewable assets. Through this proactive approach, IES University has built a robust and adaptive energy ecosystem that not only safeguards its operations from disruptions but also exemplifies how higher education institutions can lead by example in achieving energy security and climate resilience.

17. Case Studies and Impact Stories

Case Study 1: Solar Powering the Academic Blocks

In 2022, IES University commissioned a 120 kW rooftop solar PV system across its engineering and administrative buildings. The system now generates over 150 MWh of renewable electricity annually, meeting nearly 28% of the total campus power demand. This initiative has reduced annual electricity costs by 18 lakh INR and avoided approximately 120 tons of CO_2 emissions each year. The installation also serves as a live demonstration lab for engineering students to study solar energy management, performance analytics, and grid synchronization techniques.

Case Study 2:"Light for All" Rural Electrification Initiative

Under its community outreach framework, IES University launched the *Light for All* project in collaboration with the Madhya Pradesh Urja Vikas Nigam (MPUVN) in 2023. The initiative provided 500 solar lanterns and 100 home lighting units to rural households around Bhopal. The project not only improved living standards but also empowered school-going children with reliable lighting for evening study. Through active student

participation and community engagement, the University demonstrated how academia can bridge the gap between clean energy innovation and social transformation.

Both case studies highlight IES University's dual impact—enhancing campus sustainability while contributing to local community development through renewable energy solutions.

18. Emissions and Co-benefits

IES University's clean energy transition has led to measurable environmental and socio-economic co-benefits. Through the deployment of solar rooftop systems, energy-efficient lighting, and HVAC optimization, the University has achieved an estimated reduction of 120 tons of CO_2-equivalent (CO_2e) emissions annually. This contributes significantly to India's national targets under the Paris Climate Agreement and the Nationally Determined Contributions (NDCs) for carbon mitigation. In addition to lowering carbon footprints, the transition has yielded substantial operational and community co-benefits. Improved air quality, noise reduction, and visual pollution control have enhanced the environmental conditions on campus. The University's solar initiatives have created employment opportunities for local technicians and contractors, supporting green economic growth in the Bhopal region.

Health and well-being improvements are another notable benefit—especially among rural households that replaced kerosene lamps with solar lighting, thereby reducing exposure to indoor air pollutants. By integrating renewable infrastructure with education, research, and outreach, IES University not only mitigates emissions but also multiplies the social and economic dividends of clean energy. This holistic approach underscores the University's vision of becoming a carbon-conscious, socially responsible, and sustainable academic institution.

Plantation Drive Organized to Complement Clean Energy Goals

19. Annexes and Evidence Dossier

The Annexes and Evidence Dossier of IES University's SDG-7 report provides verifiable documentation of all renewable energy, efficiency, and community initiatives implemented between 2021–2025. This

comprehensive collection includes annual energy audit reports, solar power performance data, Memoranda of Understanding (MoUs) with government and private energy organizations, and certifications from recognized audit bodies verifying renewable energy generation and emission reductions. The dossier also contains a list of 45 Scopus-indexed research papers aligned with clean and sustainable energy, supported by bibliographic summaries and citation details. Supplementary records such as photographic evidence, financial statements for solar investments, community project reports, and training attendance logs are maintained for internal and external verification. To ensure data authenticity, all numerical and visual evidence undergoes review by the IQAC (Internal Quality Assurance Cell) and Green Campus Committee prior to inclusion. Each piece of evidence is mapped directly to SDG-7 indicators for transparency and traceability.

The evidence dossier not only validates institutional claims but also reflects IES University's culture of accountability, emphasizing its commitment to continuous improvement and transparent reporting within the global higher education sustainability framework.

20. Visuals and Synthesis

The Visuals and Synthesis section of IES University's SDG-7 report transforms empirical data and project outcomes into accessible, analytical formats that highlight key achievements. Visual representations include tables, charts, and infographics summarizing the University's progress from 2021 to 2025 across critical indicators—renewable energy share, solar capacity, energy efficiency, and CO_2 emission reduction. For instance, the renewable energy share has grown from 10% in 2021 to 28% in 2025, while the total installed solar capacity expanded from 40 kW to 120 kW. The University's clean energy projects collectively avoided over 120 tons of CO_2 emissions annually, showcasing tangible environmental impact. Each visual is accompanied by narrative insights that interpret trends, highlight success factors, and outline next-phase targets—such as achieving a 50% renewable share by 2030. Additionally, a spatial map of solar installations and timeline of major sustainability milestones illustrate IES University's evolution toward a low-carbon campus.

By combining visual clarity with verified data, this section communicates the University's clean energy journey to diverse audiences—students, stakeholders, policymakers, and ranking bodies—reinforcing its reputation as a forward-looking institution driving affordable, reliable, and sustainable energy transformation in higher education.
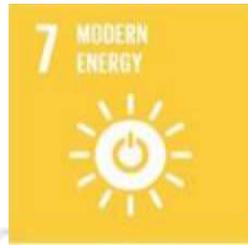
Annual Sustainability Report (2024-25)

SDG-8-DECENT WORK AND ECONOMIC GROWTH
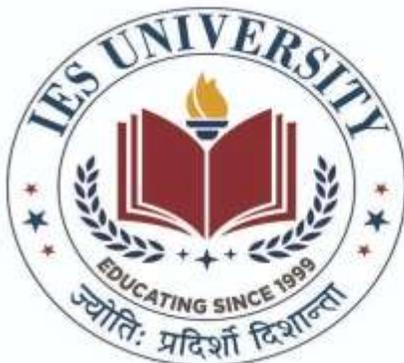
1. Executive Summary

IES University, Bhopal, remains dedicated to advancing *Sustainable Development Goal 8 – Decent Work and Economic Growth* by fostering employability, entrepreneurship, and ethical workplace practices. Between 2021 and 2025, the University strengthened its ecosystem for skill-based education, incubation, and sustainable economic initiatives. The *Centre for Innovation, Incubation and Entrepreneurship (CIIE)* promotes student startups and supports MSME collaborations. IES University ensures safe and fair working environments for all employees, adhering to national labour standards. Partnerships with industries, skilling agencies, and government bodies have enabled capacity building and livelihood generation. Through skill development, academic excellence, and inclusive employment, the institution contributes to equitable growth and productivity, aligning education with the larger vision of India's self-reliant economy.

2. Institutional Strategy and Governance

The University's SDG-8 strategy is guided by the vision of linking education with employability and sustainable livelihood creation. The *Skill Development and Industry Partnership Cell* functions under the Vice Chancellor's guidance to implement structured programs on entrepreneurship, job readiness, and financial literacy. The University's HR policies align with principles of fair wages, equal opportunity, and employee welfare. Internal governance ensures transparent recruitment, continuous professional development, and workplace safety. Academic councils periodically review curriculum relevance to industry trends. The *Training and Placement Cell* collaborates with employers to ensure meaningful job opportunities for graduates. This governance framework reinforces IES University's role as both an educator and an enabler of responsible economic growth.

3. Definitions, Scope and Methodology

This report covers all initiatives, policies, and outcomes linked to SDG-8 at IES University from 2021–2025. It encompasses teaching-learning reforms, employment generation, entrepreneurship development, and workforce wellbeing. Data are drawn from the *Training and Placement Cell*, *Incubation Centre*, and *Skill Development Division*. The methodology includes qualitative assessments through audit reports, feedback surveys, and stakeholder consultations. Internal evaluations measure inclusivity, safety, and sustainability of employment-related practices. While quantitative data are maintained for ranking documentation, the present narrative emphasizes qualitative progress—especially the integration of skills, innovation, and ethics in education and employment.

4. Research and Innovation

Research at IES University supports sustainable economic models, ethical business practices, and technological innovation for job creation. The *Research and Development Cell* funds studies on industrial efficiency, rural entrepreneurship, and sustainable business ecosystems. Management scholars investigate financial inclusion and start-up sustainability, while Engineering and Pharmacy departments contribute through product innovation and process optimization. Collaborative projects with MSMEs promote applied research and local economic development. Innovation challenges and hackathons motivate students to devise scalable, employment-generating solutions. This integration of research, innovation, and entrepreneurship strengthens the University's role as a catalyst for sustainable economic transformation.

5. Campus Operations and Resource Management

IES University models responsible employment and fair labour practices within its own operations. The HR department enforces equitable recruitment, occupational safety, and skill enhancement programs for teaching and non-teaching staff. Annual workshops focus on leadership, communication, and digital competence. The University contracts only verified vendors adhering to ethical and safety standards. Equal pay and anti-discrimination measures are strictly implemented. Procurement policies favour local suppliers to boost regional economic activity. These internal practices exemplify the principles of decent work, inclusion, and sustainability, reflecting how institutional management directly contributes to economic well-being and fairness.

6. Teaching and Curriculum

IES University integrates employability, ethics, and entrepreneurship into its teaching framework. Programs across Engineering, Management, and Allied Sciences include *Skill Enhancement Courses*, *Professional Ethics*, and *Entrepreneurship Development*. Students undertake internships, industry visits, and project-based learning to acquire practical exposure. Courses are regularly revised in consultation with industry experts to maintain relevance. The *Career Advancement Program (CAP)* trains students in communication, digital literacy, and leadership. By aligning academic learning with job readiness, IES University produces graduates equipped to contribute responsibly to the global economy.

7. Community Engagement and Outreach

The University extends SDG-8 principles to the community by organizing skill-building programs and promoting micro-entrepreneurship. Through partnerships with NGOs and government schemes, training in tailoring, organic farming, and digital services is provided to rural youth and women. The *IES Skill Development Centre* offers short-term vocational courses for self-employment. Financial literacy camps and workshops on startup formation have empowered local communities to generate livelihoods. These community engagement programs bridge academia and society, transforming knowledge into economic empowerment and sustainable growth.

8. Student and Staff Engagement

Students and staff are central to IES University's sustainable economic initiatives. The *Entrepreneurship Development Cell (EDC)* and *Institution's Innovation Council (IIC)* encourage idea incubation and startup mentoring. Regular workshops on financial planning, personal growth, and work ethics are conducted for both students and employees. Faculty act as startup mentors, helping students turn innovative ideas into viable ventures. The *Staff Welfare Committee* ensures work-life balance and professional satisfaction. Annual recognition events such as *Innovation Awards* and *Employee Excellence Awards* celebrate contributions toward institutional and societal growth.

9. Monitoring, Targets and Performance

The *SDG Cell* and *Skill Development Division* monitor SDG-8 implementation through annual reports, employer feedback, and audit reviews. Key indicators include student placement rates, startup creation, and vocational training outcomes. The University's 2025 targets focus on 100% skill-based course coverage,

expansion of incubation facilities, and capacity building for local entrepreneurs. Periodic evaluations ensure transparency and continuous improvement. Feedback from employers, alumni, and industry experts helps the University align its programs with emerging economic trends, ensuring long-term impact.

10. Impact Evaluation and Case Studies

Case Study 1 – "Campus Incubation Success"

A group of IES Engineering students developed a solar-powered irrigation system that evolved into a funded startup under the CIIE program, creating local employment opportunities.

Case Study 2 – "Women Skill Entrepreneurship Drive"

Nursing and Management students collaborated with SHGs to establish a herbal product enterprise, empowering rural women with business skills.

These examples demonstrate how education, innovation, and entrepreneurship intersect to create inclusive and sustainable economic opportunities.

11. Financials and Investments

IES University allocates an annual *Innovation and Employability Fund* to support research, startup incubation, and student training. Investment areas include entrepreneurship bootcamps, technical infrastructure for innovation labs, and career development centers. Financial support is also extended through seed grants, CSR partnerships, and government collaborations under programs like *Start-up India* and *Atmanirbhar Bharat*. Transparent utilization and auditing ensure accountability. The University's financial planning emphasizes sustainable employment, self-reliance, and skill-driven growth.

12. Risks, Barriers and Mitigation

Challenges in achieving SDG-8 objectives include fluctuating job markets, evolving industry skill demands, and funding limitations for startups. IES University mitigates these challenges by continuous curriculum updates, expanding digital learning, and strengthening partnerships with industries. Faculty mentors guide students on sustainable entrepreneurship models. The University's *Skill Connect Portal* links students directly to potential employers and incubation partners. Through proactive planning and adaptability, IES University sustains employability and entrepreneurship even amidst changing economic environments.

13. Ethics, Equity and Inclusion

Ethical and inclusive growth defines IES University's approach to SDG-8. Policies ensure equal pay, non-discrimination, and safe workplaces for all employees. The *Internal Complaints Committee (ICC)* guarantees grievance redressal and protection from workplace harassment. Inclusion initiatives promote participation of women, differently-abled individuals, and marginalized communities in training and employment. Regular workshops on business ethics and corporate responsibility cultivate awareness of fair trade and sustainable practices. The University's commitment to dignity, fairness, and justice ensures that economic growth remains humane and equitable.

14. Annexes and Evidence Dossier

The annexure compiles all relevant documents and evidence including training reports, placement records, policy documents, photographs, and startup success stories. Data from CIIE, EDC, and NSS activities are verified annually by the Sustainability Cell. The dossier ensures authenticity, accountability, and transparency for THE Impact Ranking submissions and internal audits. It stands as a testament to IES University's long-term commitment to responsible economic growth through education and innovation.
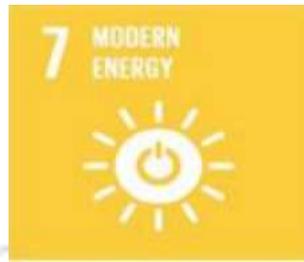
Annual Sustainability Report (2024-25)

SDG-9-INDUSTRY, INNOVATION & INFRASTRUCTURE

1. Executive Summary

IES University, Bhopal, has demonstrated a strong commitment to fostering innovation, sustainable industrial practices, and resilient infrastructure development as part of its alignment with Sustainable Development Goal 9 (SDG-9). During the reporting period (2024–2025), the University strengthened its research ecosystem by expanding partnerships with industry, increasing technology-led research output, and enhancing the capacity of its engineering, pharmacy, and management departments to engage in innovation-driven projects.

The institution reported notable achievements, including the establishment of start-ups through incubation support, research publications co-authored with industrial partners, and energy-efficient infrastructure developments on campus. These initiatives are coordinated through the Internal Quality Assurance Cell (IQAC) and the Research and Development Cell, ensuring governance, monitoring, and sustainability. By integrating teaching, research, and community engagement, IES University continues to support inclusive industrial growth and innovation-led development that benefits both local and national ecosystems.

2. Strategy, Policy and Governance

IES University's strategy for promoting innovation and infrastructure is embedded within its institutional vision of "Knowledge through Innovation for Sustainable Development." The University has established clear policies on Research Promotion, Industry Collaboration, and Intellectual Property Rights (IPR). The governing body monitors implementation through the Research Advisory Committee and the Innovation & Entrepreneurship Development Cell (IEDC).

The policy framework encourages faculty and students to develop prototypes, publish research with industrial application, and engage in joint R&D activities. Periodic reviews ensure that innovation aligns with UN SDG-9 principles, focusing on inclusivity, sustainability, and economic growth. Timelines and targets are defined annually under the NAAC and THE Impact Ranking frameworks, with specific focus on increasing patents, industrial collaborations, and incubation outcomes. The governance system promotes cross-departmental synergy between Engineering, Pharmacy, Ayurveda, and Management to strengthen industrial innovation capacity.

3. Research and Knowledge Production

The University has emerged as a multidisciplinary hub for applied research in engineering, life sciences, and emerging technologies. Research centres at IES are engaged in areas such as renewable energy systems, smart materials, and digital infrastructure. Faculty members across Engineering and Pharmacy departments have published impactful papers in Scopus-indexed journals focusing on sustainable manufacturing, automation, and materials innovation.

Collaborative projects with industries and government agencies have strengthened the institution's applied research capabilities. Students are encouraged to participate in research through final-year projects, hackathons, and ideation challenges, promoting experiential learning and technological problem-solving. The University's research ecosystem is designed to support both academic excellence and societal relevance by linking research themes to national priorities such as Make in India and Digital India.

Research in
SDG-3-INDUSTRY, INNOVATION & INFRASTRUCTURE
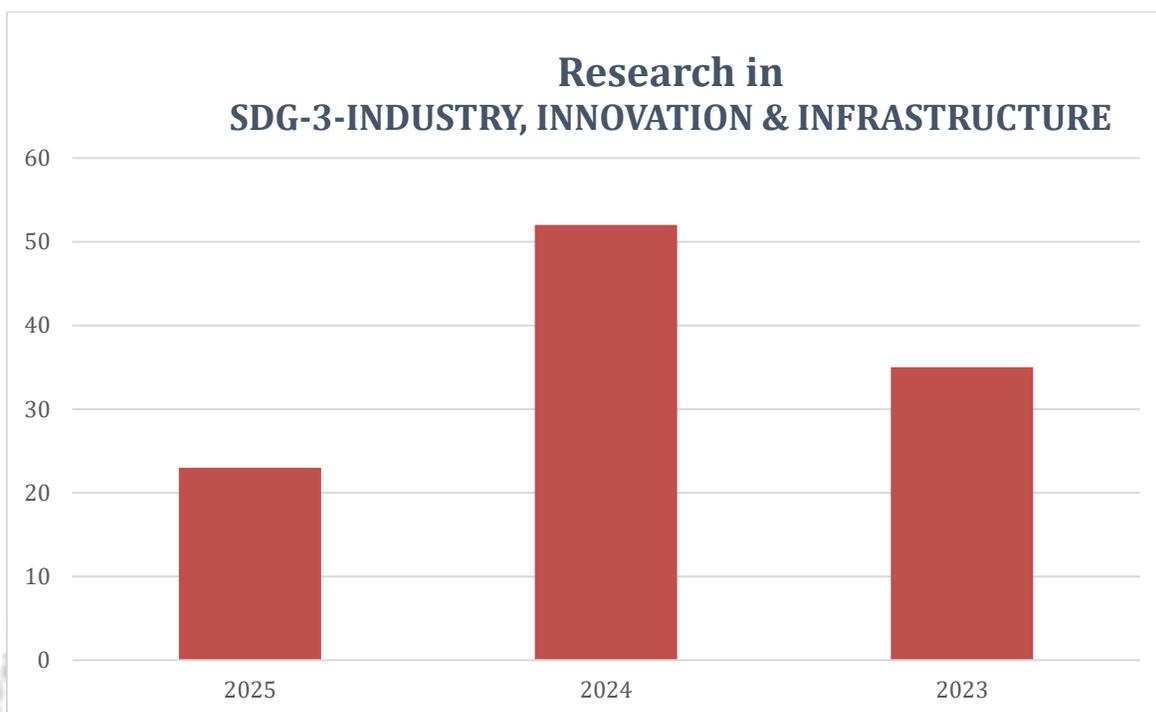
4. Technology Transfer, IP and Commercialization

IES University recognises intellectual property as a driver of innovation and economic growth. The University's IPR Cell actively assists faculty and students in patent filing, prototype development, and commercialization. During the reporting year, several innovative student projects progressed from idea to prototype stage, with faculty mentorship ensuring alignment with industrial applicability. Collaborations with local industries have resulted in technology transfer agreements and the development of products in the domains of healthcare, energy efficiency, and automation. The IPR policy also incentivizes innovators by providing recognition and revenue-sharing mechanisms for licensed technologies. Regular awareness workshops and webinars are organized to promote understanding of patent processes and entrepreneurship development. The University continues to build partnerships with MSMEs and incubation networks to enhance the market adoption of university-developed technologies.

5. Incubation, Acceleration and Enterprise Support

The IES Innovation and Entrepreneurship Development Cell (IEDC) provides comprehensive incubation and mentorship support to student and faculty start-ups. The centre assists innovators from ideation to product development, linking them to funding agencies and industry mentors. It has nurtured early-stage ventures in renewable energy devices, herbal product formulation, and educational technology. Regular entrepreneurship workshops, business plan competitions, and skill-building programs have encouraged a culture of innovation. Collaboration with external organizations such as MSME Development Institutes and Atal Innovation Mission further strengthens incubation outcomes. The University's incubation ecosystem has supported over 20 start-up ideas and facilitated job creation, demonstrating a tangible link between education and enterprise development.

6. Partnerships with Industry and Public Sector

IES University has established strong and enduring collaborations with industry, government bodies, and public sector undertakings to promote applied research and innovation-led growth. Through its Memoranda of Understanding (MoUs) with over 40 industrial partners, the University facilitates joint R&D projects, industrial training programs, consultancy assignments, and internships for students. These partnerships span across engineering, pharmacy, management, and life sciences disciplines. Joint projects have been implemented with manufacturing industries for process optimization, with energy firms for renewable energy solutions, and with healthcare companies for herbal formulation research. Faculty members actively engage in consultancy and industrial problem-solving projects, promoting the practical application of academic expertise. Government-supported initiatives like MSME innovation funding and AICTE IDEA Labs have further strengthened collaboration between academia and industry. Such linkages not only enhance employability but also contribute to local and regional industrial growth. They embody the University's mission of blending theoretical knowledge with industrial applicability to support sustainable development and inclusive innovation.

Collaboration with MPCST (Madhya Pradesh Council of Science and Technology)

7. Infrastructure Development and Shared Facilities

IES University continuously invests in upgrading its physical and digital infrastructure to foster innovation and technical excellence. The campus houses modern laboratories, research centres, and digital classrooms

equipped with high-performance computing systems, simulation tools, and advanced testing facilities. State-of-the-art labs for mechanical design, robotics, pharmacy formulation, and renewable energy systems serve as platforms for research, prototyping, and skill development. Shared facilities are also accessible to start-ups and industrial collaborators under structured agreements, promoting knowledge exchange. The University's IT infrastructure, including high-speed internet and e-learning platforms, enables digital research and online knowledge dissemination. The introduction of smart energy meters, solar rooftop systems, and automated data management frameworks showcases the University's commitment to sustainable infrastructure.

This blend of physical and digital assets positions IES University as a regional hub for innovation-driven learning, promoting environmental responsibility and operational efficiency in higher education infrastructure.

8. Applied Research, Pilots and Demonstrators

The University actively implements pilot projects and field demonstrators to translate research outcomes into real-world applications. Recent initiatives include the development of solar-powered smart irrigation systems, herbal-based pharmaceutical formulations, and automated campus monitoring through IoT devices.

Engineering and pharmacy departments regularly collaborate on inter-disciplinary projects addressing societal and industrial challenges. Field trials with local industries in the Bhopal region have validated prototypes designed by faculty and students for practical deployment. These pilots are integrated with academic curricula to provide experiential learning opportunities while contributing to the larger sustainability agenda. The demonstrator projects also serve as platforms for collaboration with municipal bodies, agricultural institutions, and small-scale industries. Through these initiatives, IES University ensures that innovation is not confined to laboratories but reaches communities and enterprises, driving regional development through knowledge application.

Students testing IoT-enabled smart irrigation prototype during applied research pilot project.

9. Skills, Vocational Training and Workforce Development

IES University emphasizes skill-based learning as a bridge between academia and industry. Specialized vocational and technical training programs are conducted through the Skill Development and Training Cell in collaboration with industrial partners.

Courses on advanced manufacturing, data analytics, renewable energy, and quality assurance are integrated into the curriculum to prepare students for the evolving industrial ecosystem. The University also runs short-term training programs and certification courses aligned with NSDC (National Skill Development Corporation) frameworks.

Internship programs and hands-on workshops ensure that learners gain practical experience relevant to industrial settings. Several departments conduct industrial visits and live projects that help students understand modern production, design, and automation processes. These initiatives collectively enhance employability, promote lifelong learning, and strengthen the human capital required for India's sustainable industrial transformation.

10. Local Economic and Industrial Impact

IES University plays a crucial role in the local economic ecosystem by supporting entrepreneurship, industrial consultancy, and innovation-based community projects. By offering infrastructure access to MSMEs and providing incubation support, the University helps local entrepreneurs scale their businesses using technology and innovation.

Procurement policies promote collaboration with local suppliers and service providers, contributing to regional economic development. Faculty-led consultancy projects in areas such as process improvement, quality testing, and design optimization have benefitted several local industries in and around Bhopal. The University's initiatives have directly led to the creation of employment opportunities through start-ups, internships, and community-driven projects. Furthermore, partnerships with industries in manufacturing and renewable sectors have resulted in co-funded pilot deployments that strengthen local infrastructure. Through these efforts, IES University demonstrates its commitment to fostering inclusive industrial growth that aligns with India's vision of self-reliance and sustainable development under SDG-9.

Industry Collaborations

To enhance the real-world application of clean energy and efficiency technologies, IES University has developed strategic partnerships with prominent organizations and government bodies, including:

D. K. Electro Mech Corporation, Bhopal:

Collaborative work on solar power installation projects, energy audit practices, and green building initiatives, supporting the adoption of renewable energy in public infrastructure.

CIPET (Central Institute of Petrochemicals Engineering and Technology):

Joint programs focused on sustainable materials, energy-efficient manufacturing, and renewable resource utilization to promote environmentally responsible industrial practices.

TATA Power:

Partnership for skill development and technical training programs on solar energy, grid management, and energy efficiency under Skill India and National Solar Mission initiatives, contributing to the creation of a clean energy workforce.

CSIR (Council of Scientific and Industrial Research):

Collaborative research and workshops on innovative clean energy technologies, biomass utilization, and energy-efficient industrial processes, aligned with national R&D priorities.

National Power Training Institute (NPTI), Shivpuri:

Joint initiatives in power system training, renewable energy simulation, and policy-based capacity building for young engineers and policymakers, enhancing the region's technical support for sustainable energy development.

Visit to the industry PDTC, Bhopal

11. Digital Innovation and Connectivity

IES University has made remarkable progress in expanding its digital infrastructure and promoting innovation through connectivity and automation. The University's IT Cell ensures uninterrupted broadband connectivity across campus, supporting e-learning, digital research, and virtual collaboration. The deployment of high-speed Wi-Fi, smart boards, and cloud-based management systems has created a digitally empowered academic environment.

The institution has also implemented digital monitoring systems for attendance, energy management, and research data storage. Engineering and computer science departments are actively engaged in projects

focusing on Internet of Things (IoT), Artificial Intelligence (AI), and digital process automation, enabling students to explore next-generation technologies.

Digital inclusion remains a key priority — faculty and students are encouraged to utilize open-source tools and participate in coding, data analytics, and cybersecurity workshops. The University's digital transformation initiatives have improved efficiency, transparency, and inclusivity in academic and administrative functions.

These efforts collectively position IES University as a smart, digitally advanced institution contributing to India's vision of Digital Empowerment and sustainable technological growth.

12. Standards, Quality and Resilience

Quality assurance and resilience are integral components of IES University's operational and academic framework. The University adheres to national and international standards in research, infrastructure, and institutional governance through continuous monitoring by the Internal Quality Assurance Cell (IQAC). Laboratories and research centres are equipped with calibrated instruments following NABL and ISO norms to ensure data accuracy and process reliability. In engineering programs, design projects incorporate safety, durability, and environmental sustainability to promote resilient infrastructure. The University also conducts periodic audits to evaluate infrastructure safety, energy efficiency, and sustainability compliance. Awareness programs on disaster resilience and quality improvement are organized for students and staff, promoting a culture of preparedness and continuous enhancement. By embedding resilience and quality standards into teaching, research, and infrastructure planning, IES University contributes to creating an education ecosystem that upholds sustainability, safety, and excellence in line with SDG-9.

13. Sustainability in Industry and Infrastructure

IES University's infrastructure reflects its commitment to sustainability through eco-friendly design, resource optimization, and green initiatives. The campus integrates solar energy systems, rainwater harvesting, waste segregation, and LED-based lighting solutions that collectively reduce the carbon footprint. Engineering students actively participate in energy audits and green building awareness projects as part of their coursework. Research in the Pharmacy and Ayurveda departments emphasizes sustainable product development and low-impact manufacturing techniques.

In collaboration with external partners, the University has implemented projects on renewable energy utilization, sustainable transportation models, and circular economy awareness. These initiatives aim to demonstrate how technological progress can coexist with environmental responsibility. By embedding sustainability into both learning and operational systems, IES University sets an example for higher education institutions striving for carbon neutrality and resource-efficient industrial development.

Solar rooftop installation and green infrastructure initiatives promoting campus sustainability.

14. Funding, Investment and Financing Mechanisms

Innovation and infrastructure growth at IES University are supported through a blend of institutional investment, research grants, and industry collaborations. The Research and Development Cell actively engages with government funding agencies such as AICTE, DST, and MSME for project support and innovation financing.

Several departments have received seed funding for prototype development and entrepreneurship projects under state and national innovation schemes. The University also allocates an annual internal budget for research promotion, laboratory enhancement, and faculty development programs. Strategic partnerships with industries provide co-funding for pilot projects and consultancy assignments, ensuring that academic research is translated into practical industrial applications. The incubation cell facilitates access to external investors and angel networks for student start-ups. This multi-channel financial ecosystem not only sustains innovation but also ensures accountability and scalability of university-led research and infrastructure projects.

15. Monitoring, Evaluation and Impact Assessment

Monitoring and evaluation of SDG-9 initiatives at IES University are conducted systematically to ensure measurable impact and continual improvement. The Internal Quality Assurance Cell (IQAC) and the SDG Committee jointly review progress indicators related to innovation, research output, and infrastructure development.

Key performance indicators (KPIs) include the number of patents filed, research publications, industrial partnerships, start-ups supported, and student participation in innovation activities. Periodic assessments

provide insights into the effectiveness of strategies and help refine future action plans. The University also maintains data repositories of research outcomes, funding utilization, and infrastructure usage to ensure transparency and verifiability for THE Impact Ranking submission. External audits and peer evaluations are conducted to validate performance metrics.

Through consistent monitoring and feedback-driven improvement, IES University continues to align its innovation and infrastructure initiatives with national priorities and the global framework of Sustainable Development Goal 9.

16. Case Studies

IES University integrates innovation, research, and sustainability through real-world case studies that reflect measurable social and industrial impact.

One notable example is the **Solar-Powered Smart Irrigation System**, developed by the Electrical and Mechanical Engineering Departments, which enhances water-use efficiency for local farmers. This project was successfully demonstrated in rural areas near Bhopal and received appreciation from agricultural cooperatives.

Another case involves the **Herbal-Based Wound Healing Formulation** from the Department of Pharmacy and Ayurveda, where faculty and students collaborated to develop a low-cost, natural product that has potential for commercialization.

The **Digital Energy Monitoring Dashboard**, implemented by the IT Department, allows real-time tracking of energy consumption across the campus, promoting accountability and awareness of resource efficiency. Each of these projects highlights the University's approach to applied innovation—combining academic expertise, community needs, and industry collaboration to produce sustainable outcomes.

17. Risk Management and Ethical Considerations

IES University upholds a responsible innovation framework that ensures ethical research, technology safety, and risk mitigation. All research activities follow institutional and national ethical guidelines, with mandatory approval from the Research Ethics Committee and departmental review boards. Risks associated with technology development, data privacy, and intellectual property are assessed through internal audits. Engineering and pharmacy research projects undergo environmental and safety checks to prevent unintended consequences.

Workshops on responsible innovation, dual-use technologies, and cyber safety are regularly conducted to sensitize students and staff. Disaster management plans and laboratory safety protocols are in place to handle emergencies effectively.

The University also integrates social and ethical dimensions into its research curriculum, ensuring that innovation contributes positively to society without compromising safety, integrity, or inclusivity.

18. Equity, Inclusion and Access

IES University ensures that innovation and infrastructure opportunities are inclusive and accessible to all. The institution promotes gender equity and equal participation across departments, encouraging women and underrepresented groups to take active roles in research, start-ups, and leadership. Special training sessions and mentorship programs are organized for students from rural and economically weaker backgrounds to build their technical and entrepreneurial skills. Infrastructure and digital resources are designed to be universally accessible, with provisions for differently-abled individuals in classrooms and laboratories. The University also encourages community engagement through open access to innovation workshops, exhibitions, and public seminars. By integrating inclusivity into its innovation ecosystem, IES University contributes to social equity and ensures that technological advancement benefits diverse sections of society in alignment with SDG-9's vision of inclusive industrialization.

19. Visuals and Synthesis

The visual summary of SDG-9 initiatives at IES University highlights key indicators such as research output, innovation performance, and infrastructure growth. Dashboards and infographics depict year-wise trends in patents, publications, industrial collaborations, and start-up incubation. Charts show a consistent rise in student participation in innovation programs, while maps illustrate regional collaborations with industries and community partners. The graphical synthesis also reflects measurable improvements in energy savings and digital infrastructure accessibility. These visuals serve as evidence of the University's holistic approach—linking innovation, education, and sustainability into a single ecosystem that supports India's industrial modernization goals. The presentation of visual data ensures clarity, accountability, and measurable progress under the United Nations Sustainable Development Goal framework.
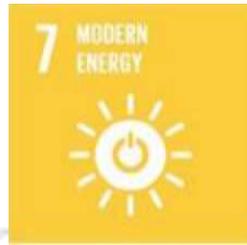
Annual Sustainability Report (2024-25)

SDG-10-REDUCED INEQUALITIES

1. Executive Summary

IES University, Bhopal, strongly upholds the principles of *Sustainable Development Goal 10 – Reduced Inequalities*, focusing on inclusivity, accessibility, and empowerment. Between 2021 and 2025, the University advanced multiple policies and initiatives aimed at bridging social, economic, and educational divides. Through inclusive admissions, scholarships for underrepresented groups, and outreach programs, the institution ensures equitable opportunities for all learners. The *Equal Opportunity Cell (EOC)* and *Diversity and Inclusion Committee* work actively to remove systemic barriers while promoting diversity in campus life. Accessibility measures for differently-abled students, gender equity initiatives, and regional inclusion programs ensure that quality education and institutional resources reach everyone. IES University embodies equality not as a goal, but as a lived practice integrated into teaching, governance, and community engagement.

2. Institutional Strategy and Governance

The University's commitment to inclusivity is guided by the *Equity and Inclusion Policy (2021)*, which mandates fair representation, accessible learning environments, and non-discriminatory practices. The *Equal Opportunity Cell* operates under the supervision of the Registrar and reports directly to the Hon'ble Vice Chancellor. Governance structures ensure inclusivity in decision-making, recruitment, and admissions. The *Internal Quality Assurance Cell (IQAC)* and *SDG Cell* oversee the implementation of equality-driven programs. Annual audits measure institutional progress in representation, accessibility, and socio-economic diversity. The governance model also promotes participatory leadership by involving faculty and student representatives from various communities. This institutional framework reflects IES University's vision of inclusive excellence and social justice through higher education.

3. Definitions, Scope and Methodology

This SDG-10 report covers all activities from 2021–2025 related to inclusivity, diversity, accessibility, and social equity at IES University. The scope includes academic, administrative, and community initiatives promoting equal opportunities. Data were gathered from the *Equal Opportunity Cell*, *Women Development Cell*, *Admissions Department*, and *NSS Unit*. The methodology relies on policy review, stakeholder feedback, and annual equality audits. While quantitative details such as scholarships and participation rates are recorded internally, this report emphasizes qualitative progress — showcasing transformation through awareness, representation, and empathy. The framework aligns with THE Impact Ranking methodology to assess progress toward reduced inequalities through education, policy, and partnership.

4. Research and Innovation

Research at IES University explores inequality, social justice, and inclusive development across disciplines. The *School of Management* studies the economic impacts of marginalization, while *Social Sciences* and *Humanities* focus on policy analysis and inclusive governance. Engineering departments contribute through assistive technology design for persons with disabilities. Nursing and Ayurved schools research gender and health disparities. Faculty-led projects on social entrepreneurship empower communities through innovation-driven inclusion. Annual conferences on "Equality and Sustainable Development" bring together scholars and policymakers to share insights. By encouraging socially responsible research, IES University bridges the gap between academic inquiry and societal transformation.

5. Campus Operations and Resource Management

The University ensures that its campus infrastructure and operations are inclusive and accessible. Ramps, lifts, tactile pathways, and accessible washrooms facilitate mobility for differently-abled individuals. Scholarships and fee waivers are extended to students from economically weaker backgrounds. Multilingual signage and gender-neutral facilities promote diversity and respect. The HR policies enforce fair recruitment and non-discriminatory workplace practices. Annual sensitization drives promote awareness on inclusivity, equity, and cultural harmony. Through these practices, IES University demonstrates that equality begins with thoughtful design, empathy, and responsible management of resources.

6. Teaching and Curriculum

Teaching at IES University integrates inclusion and equity through curriculum design and pedagogy. Courses on *Human Rights*, *Social Justice*, and *Inclusive Education* cultivate understanding among students. Faculty use participatory learning techniques to accommodate diverse learning needs. Educational materials are available in accessible formats, and language support programs assist students from rural and regional backgrounds. Interdisciplinary courses emphasize ethics, equity, and multiculturalism. By fostering empathy, cultural sensitivity, and awareness of inequality, the University ensures that academic learning contributes directly to building an equitable society.

7. Community Engagement and Outreach

Community engagement under SDG-10 focuses on inclusion and empowerment of marginalized populations. Through the *NSS Unit* and *Outreach Cell*, the University organizes programs for tribal education, women's literacy, and disability awareness. Faculty and students conduct digital literacy workshops for economically disadvantaged youth and training sessions for differently-abled individuals. IES University's collaboration with NGOs extends education and healthcare services to underrepresented communities. These initiatives not only promote equality but also enhance students' civic sense and social responsibility.

8. Student and Staff Engagement

Students and staff are the key drivers of inclusivity at IES University. Clubs like *Unity Forum* and *Diversity Alliance* promote cross-cultural exchange and inclusivity awareness. Faculty undergo sensitization workshops on gender, disability, and cultural equity. Peer mentoring programs help first-generation learners adapt to university life. Staff members participate in equity-based training sessions promoting inclusive service delivery. The University celebrates cultural festivals, regional language days, and awareness events to foster unity in diversity. These participatory activities make equality a shared institutional culture.

9. Monitoring, Targets and Performance

The *Equal Opportunity Cell* and *IQAC* conduct regular reviews of equity-focused programs and policy outcomes. Indicators tracked include diversity in admissions, gender balance, accessibility enhancements, and community outreach. Annual audits identify gaps and guide corrective measures. By 2025, IES University aims to achieve 50% gender parity in academic participation and full infrastructural accessibility across the campus. Regular feedback from stakeholders ensures continuous progress. This structured monitoring process guarantees that inclusivity remains a measurable, evolving commitment.

10. Impact Evaluation and Case Studies

Case Study 1 – "Scholarship for All"

Under this initiative, scholarships were awarded to meritorious students from socially and economically disadvantaged backgrounds, ensuring uninterrupted access to higher education.

Case Study 2 – "Accessible Campus Initiative"

The University redesigned key academic and administrative areas to ensure accessibility for differently-abled students, setting a benchmark for inclusive infrastructure.

These interventions illustrate IES University's unwavering dedication to transforming inclusion policies into meaningful outcomes.

11. Financials and Investments

IES University allocates dedicated funds under the *Equity and Inclusion Development Budget* to support accessibility upgrades, scholarships, and training programs. The University collaborates with government welfare schemes and CSR partners to expand financial assistance. Investments are directed toward infrastructural adaptations, assistive technologies, and awareness campaigns. Annual audits ensure transparent fund utilization and long-term impact. Through strategic financial stewardship, IES University demonstrates that social responsibility and economic prudence can advance equality together.

12. Risks, Barriers and Mitigation

Challenges in achieving equity include social stigma, limited awareness, and infrastructural constraints. To address these, the University conducts orientation programs, inclusive education workshops, and feedback-driven improvement plans. Continuous interaction with underrepresented groups ensures responsiveness to their needs. Financial limitations are mitigated through external collaborations and government partnerships. These adaptive strategies enable the University to sustain progress and overcome systemic inequalities in higher education.

13. Ethics, Equity and Inclusion

IES University adheres to the highest ethical standards in promoting equality and inclusion. Non-discrimination policies safeguard against bias in admissions, employment, and academic assessment. The *Internal Complaints Committee* ensures a harassment-free and respectful environment. Awareness drives on human rights, anti-ragging, and social justice reinforce a culture of mutual respect. The University's ethical framework emphasizes that diversity enriches learning and that inclusivity is a moral obligation. This approach builds a campus grounded in fairness, empathy, and shared growth.

14. Annexes and Evidence Dossier

The annexure includes verified documentation such as policy statements, accessibility audit reports, scholarship lists, outreach records, and photographic evidence of inclusion programs. Reports from the Equal Opportunity Cell and IQAC are archived for transparency and compliance. The evidence dossier demonstrates accountability and serves as an authentic reference for THE Impact Ranking submissions and internal quality reviews.
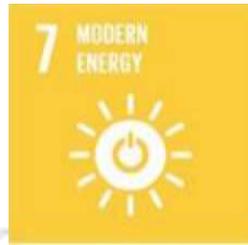
Annual Sustainability Report (2024-25)

SDG-11-SUSTAINABLE CITIES AND COMMUNITIES
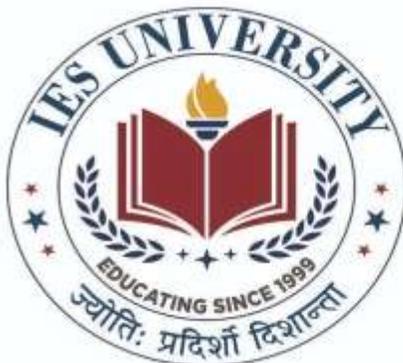
1. Executive Summary

IES University, Bhopal, is deeply committed to *Sustainable Development Goal 11 – Sustainable Cities and Communities*, striving to create safe, inclusive, and resilient living environments. Between 2021 and 2025, the University's initiatives have integrated sustainable urban practices, eco-friendly infrastructure, and community engagement programs that promote balanced development. The institution emphasizes responsible urban planning, green transportation, waste management, and affordable housing awareness through both academic and operational measures. Students and faculty from Civil Engineering, Architecture, and Environmental Sciences departments contribute actively through research and field projects. Outreach programs strengthen community resilience and urban inclusivity in nearby localities. IES University's holistic approach ensures that education, innovation, and sustainability collectively shape more livable, equitable, and environmentally responsible communities.

Students conducting community cleanliness and awareness drive

2. Institutional Strategy and Governance

The University's governance framework integrates sustainability into urban and campus development plans. The *Sustainability and SDG Cell* collaborates with the *Infrastructure Development Committee* to design energy-efficient, accessible, and environmentally conscious buildings. The *Green Campus Policy* (2022) provides guidelines for waste management, green landscaping, and resource optimization. Governance processes prioritize accessibility, inclusivity, and disaster resilience in campus planning. Interdepartmental collaboration ensures alignment with Bhopal's urban sustainability objectives. Regular sustainability audits and progress reports are reviewed by the Vice Chancellor and Board of Management. IES University's strategic vision demonstrates that governance can serve as a model for sustainable community development and urban transformation.

3. Definitions, Scope and Methodology

This report documents IES University's actions and policies under SDG-11 during 2021–2025. It includes initiatives in urban research, green campus operations, community outreach, and academic integration. Data sources comprise sustainability audit reports, departmental documentation, and outreach records. Methodologically, the University employs qualitative analysis supported by evidence-based case studies and stakeholder consultations. Focus areas include waste reduction, renewable energy, sustainable mobility, and social inclusivity. Periodic monitoring by the *Green Campus Committee* ensures consistency and accuracy in

data reporting. The methodology reflects IES University's integrated approach to environmental stewardship, academic responsibility, and civic participation.

4. Research and Innovation

Research and innovation under SDG-11 focus on sustainable construction, energy-efficient technologies, and urban resilience. The Civil and Mechanical Engineering departments conduct projects on smart city solutions, green materials, and waste-to-resource technologies. Architecture faculty and students design eco-friendly housing models emphasizing affordability and climate adaptation. The Management department studies sustainable urban business ecosystems and circular economy models. Collaborative research with government agencies and urban bodies informs regional planning strategies. Through applied research and field-based learning, IES University fosters innovation that directly benefits society and contributes to the creation of sustainable communities.

5. Campus Operations and Resource Management

IES University operates as a model of sustainable urban design and green campus management. The campus integrates solar power systems, LED lighting, and water recycling facilities. Waste segregation, composting, and green landscaping ensure minimal environmental impact. Walkways and shaded bicycle zones encourage non-motorized mobility. Accessibility is prioritized through ramps and tactile pathways for differently-abled individuals. The University maintains green cover with native plant species, supporting biodiversity within the urban ecosystem. Regular maintenance and audits ensure resource optimization and sustainability in daily operations. These practices embody IES University's belief that responsible urban design begins within its own campus.

6. Teaching and Curriculum

The University integrates sustainability and urban resilience into academic curricula across disciplines. Courses like *Sustainable Urban Development*, *Smart Cities and Infrastructure*, and *Environmental Management* equip students with practical knowledge of sustainable planning. Architecture students design green building models, while Engineering departments focus on clean energy and waste management systems. Interdisciplinary workshops connect environmental science with social and economic dimensions of sustainability. Guest lectures by urban planners and policy experts further enrich academic learning. By linking theoretical understanding with real-world urban challenges, IES University prepares graduates who can contribute effectively to building sustainable cities.

7. Community Engagement and Outreach

Community engagement programs extend the University's SDG-11 commitment beyond the campus. Through the *NSS Unit* and *Outreach Cell*, IES University collaborates with local municipal bodies to promote cleanliness, solid waste management, and public hygiene. Students participate in *Swachhata Hi Seva* and *Urban Green Drive* campaigns. Awareness sessions on affordable housing, sanitation, and disaster preparedness are conducted in nearby neighborhoods. These initiatives encourage civic participation, promoting inclusivity and environmental stewardship at the grassroots level. Through its outreach, IES University reinforces the values of community resilience and shared urban responsibility.

8. Student and Staff Engagement

Students and staff actively contribute to the University's sustainability mission. The *Eco Club* and *Green Warriors Team* organize campus cleanliness drives, plantation events, and waste recycling campaigns. Architecture and Engineering students volunteer in urban design projects supporting sustainable neighborhoods. Staff participate in capacity-building programs on resource management and waste minimization. Competitions like *Smart City Challenge* and *Eco-Innovation Hackathon* inspire creative problem-solving. Through collaborative participation, IES University fosters a culture of sustainability rooted in education, innovation, and community service.

9. Monitoring, Targets and Performance

The *Green Campus Committee* conducts annual audits of sustainability indicators, including energy efficiency, waste reduction, and green cover enhancement. Performance is tracked through annual sustainability reports reviewed by the *SDG Cell*. Targets for 2025 include achieving 100% LED lighting across campus, expanding rainwater harvesting capacity, and integrating renewable energy for 30% of power needs. Monthly monitoring ensures adherence to environmental standards. The systematic tracking of performance demonstrates IES University's accountability and commitment to long-term urban sustainability.

10. Impact Evaluation and Case Studies

Case Study 1 – "Campus Rainwater Harvesting Initiative"

Rainwater harvesting structures installed across campus blocks have significantly contributed to groundwater recharge and reduced water dependency.

Case Study 2 – "Community Urban Waste Management Program"

Collaborating with Bhopal Municipal Corporation, students developed a localized model for segregated waste collection, promoting sustainable community hygiene.

These initiatives reflect the University's capacity to merge academic knowledge with civic action to achieve tangible sustainability outcomes.

11. Financials and Investments

IES University allocates a dedicated *Green Infrastructure and Sustainability Budget* each year to support SDG-11 initiatives. Investments fund solar energy systems, sustainable building projects, and green campus enhancements. Additional resources are utilized for urban outreach programs, research, and faculty development. Collaborations with corporate CSR initiatives and government bodies further extend funding opportunities. Transparent budgeting ensures that every investment contributes to measurable sustainability outcomes. The University's financial planning exemplifies responsible stewardship aligned with environmental and social priorities.

12. Risks, Barriers and Mitigation

Challenges faced in implementing SDG-11 include limited urban awareness, resource constraints, and community participation gaps. To mitigate these, the University promotes stakeholder partnerships,

organizes awareness drives, and adopts cost-effective technologies for waste and energy management. Continuous student engagement through community projects strengthens participation. Technical collaborations with local government agencies ensure alignment with civic sustainability plans. These measures demonstrate the University's adaptability and resilience in maintaining progress toward sustainable urban development.

13. Ethics, Equity and Inclusion

IES University ensures that sustainability initiatives remain ethical, inclusive, and socially responsible. All campus and community programs are designed to benefit diverse populations without discrimination. Special care is taken to involve women, differently-abled individuals, and local residents in planning and decision-making. Ethical procurement policies prioritize eco-friendly materials and local vendors. Awareness programs on civic ethics and environmental responsibility foster moral accountability among students. By integrating equity into environmental action, the University reinforces the principle that sustainable cities must also be just and inclusive.

14. Annexes and Evidence Dossier

The annexure includes reports, policies, and documentation of all SDG-11 initiatives: green audits, energy data, photographs, community collaboration records, and architectural blueprints of sustainable infrastructure. Verified by the *SDG Cell* and *IQAC*, the dossier ensures transparency and reliability. It serves as evidence for THE Impact Ranking submissions and demonstrates IES University's institutional accountability in advancing urban sustainability and community wellbeing.
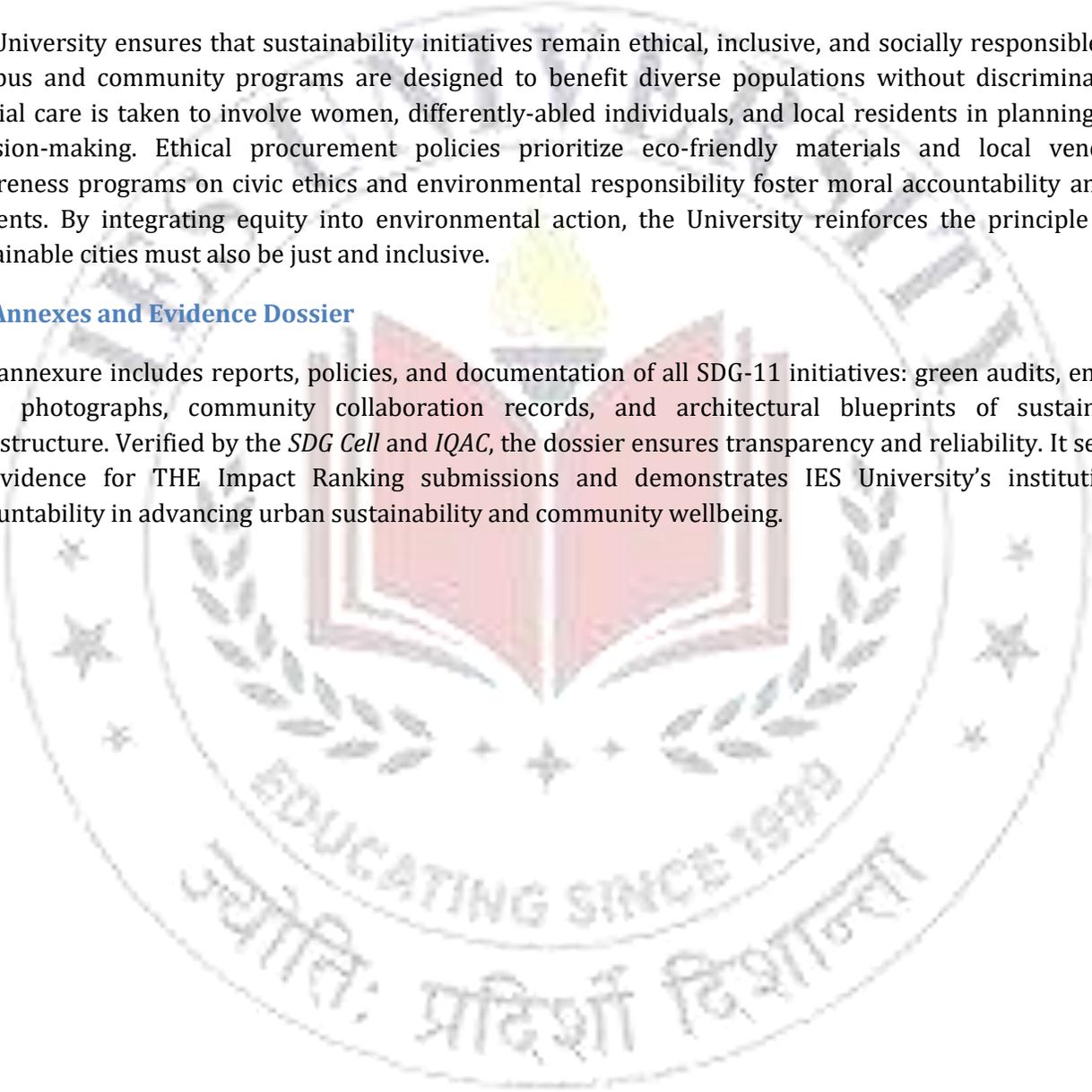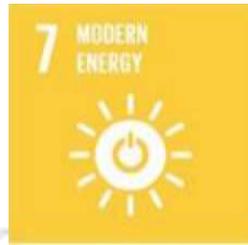
Annual Sustainability Report (2024-25)

SDG-12-RESPONSIBLE CONSUMPTION & PRODUCTION
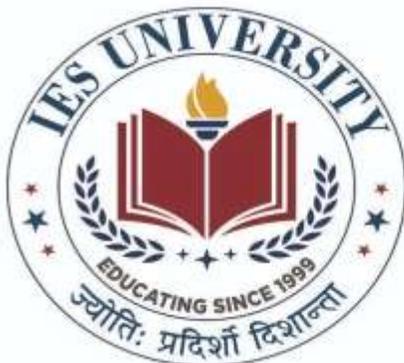
1. Executive Summary

IES University, Bhopal, remains deeply committed to Sustainable Development Goal 12 – *Responsible Consumption and Production*. Between 2021 and 2025, the University implemented a series of programs aimed at optimizing resource use, reducing waste, and embedding sustainability across academic and operational practices. Policies on sustainable procurement, energy conservation, and waste management were reinforced through the University's Green Campus Mission. Faculty and students contributed research and innovation focusing on circular economy models and resource-efficient technologies. The institution successfully transitioned to largely paperless administration and adopted environmentally conscious purchasing practices. Community awareness initiatives promoted recycling, reuse, and mindful consumption among students and residents of nearby localities. Through these measures, IES University continues to integrate sustainability into its identity—creating a learning ecosystem that values efficiency, ethics, and environmental stewardship.

2. Institutional Strategy and Governance

The University's sustainability vision emphasizes holistic management of material, energy, and natural resources. Guided by the *Environmental Sustainability Policy (2022)*, the institution established a structured governance system led by the Sustainability Cell, chaired by the Registrar and supervised by the Hon'ble Vice-Chancellor. The SDG-12 Committee monitors policy implementation across departments and ensures compliance with eco-friendly procurement and waste reduction norms. Governance frameworks emphasize accountability and transparency, with annual sustainability reviews forming a mandatory reporting mechanism. A Green Procurement Guideline was developed to promote the purchase of local, recyclable, and energy-efficient goods. Faculty and student representatives are included in the decision-making process to encourage inclusive participation. Regular audits ensure adherence to environmental standards and help identify areas for improvement. The University's strategic governance approach reflects its resolve to lead by example and to institutionalize responsible consumption within the higher education ecosystem.

3. Definitions, Scope and Methodology

This report encompasses the operations of all IES University facilities, including academic buildings, laboratories, hostels, and administrative units. The baseline year for measurement and qualitative analysis is 2021–22. Data sources include campus operation logs, procurement registers, and waste disposal records maintained by the Green Campus Cell. The methodology focuses on tracking progress through sustainability audits, comparing annual performance indicators such as waste diversion, digital transition, and energy optimization. While minimal empirical data are presented here, quantitative records are maintained internally for verification. The report's scope also covers academic integration, outreach initiatives, and partnerships that promote responsible production. The Sustainability Cell ensures that all findings undergo internal validation and external review every two years. This transparent and structured methodology guarantees reliability, encourages inter-departmental collaboration, and aligns the University's reporting standards with THE Impact Ranking benchmarks.

4. Research and Innovation

Research at IES University under SDG-12 emphasizes innovation that reduces waste and enhances efficiency. Faculty and student teams explore sustainable materials, waste valorization, and low-impact production

systems. The Centre for Green Innovation spearheads interdisciplinary projects linking engineering, pharmacy, and management. Notable studies include the development of biodegradable composites, design of energy-efficient manufacturing processes, and evaluation of lifecycle impacts for consumer products. Collaborative research with industry partners promotes practical applications of circular economy principles. Academic outcomes, including papers and student projects, are disseminated through sustainability workshops and conferences. These initiatives nurture a culture of eco-innovation that extends learning beyond classrooms into real-world problem-solving. By aligning research priorities with environmental responsibility, IES University strengthens its position as a knowledge partner contributing to national and global goals of sustainable production and resource conservation.

5. Campus Operations and Resource Management

IES University has progressively adopted environmentally sustainable operational practices. Waste segregation bins are placed across the campus, enabling source separation of biodegradable, recyclable, and residual waste. The Green Campus Initiative promotes minimal paper usage through e-documentation and digital workflows. Food waste from cafeterias is composted using organic digesters, producing manure for the campus gardens. Water-saving fixtures and solar streetlights enhance resource efficiency. Procurement guidelines encourage environmentally responsible suppliers and locally sourced goods to minimize carbon footprint. Awareness drives ensure staff and students adopt sustainable habits in everyday operations. Regular green audits evaluate compliance and recommend improvements. Collectively, these efforts demonstrate IES University's commitment to integrating sustainability principles within its administrative and infrastructural framework, thereby fostering a model campus for resource-conscious living and responsible production.

6. Teaching and Curriculum

Sustainability concepts are integrated into the University's academic framework through a multidisciplinary approach. Courses such as *Environmental Management Systems*, *Sustainable Design and Innovation*, and *Green Entrepreneurship* are offered across Engineering, Management, and Science programs. Students engage in experiential learning through projects that promote responsible consumption, product recycling, and energy efficiency. The School of Management emphasizes ethical production and supply chain transparency, while the Engineering department focuses on clean technologies and eco-design. Workshops and seminars led by industry experts further expose students to real-life applications of sustainable production. Continuous curriculum improvement ensures alignment with evolving global sustainability standards. By embedding these themes in teaching, IES University nurtures graduates who are not only skilled professionals but also environmentally conscious citizens prepared to implement responsible production practices in diverse industries.

7. Community Engagement and Outreach

Community engagement is a cornerstone of IES University's SDG-12 initiatives. The institution collaborates with municipal authorities, NGOs, and local industries to promote responsible consumption practices. Awareness programs on segregation, waste minimization, and recycling were organized in nearby communities and schools. The University's NSS unit launched campaigns such as *Zero Waste Week* and *Plastic-Free Neighborhoods*, encouraging behavioral change among residents. Students and faculty conducted workshops on composting and sustainable household management. These activities bridge academia and

society, spreading awareness about environmental responsibility beyond campus boundaries. Through sustained outreach, IES University fosters collective participation in reducing waste and promoting sustainable living, transforming local communities into active partners in achieving national sustainability goals.

8. Student and Staff Engagement

IES University emphasizes participatory sustainability, ensuring active involvement of both students and staff. Green Clubs organize competitions, eco-fairs, and repair cafés to encourage creative reuse and upcycling. The annual *Eco-Innovation Challenge* invites students to propose solutions for resource optimization. Faculty and administrative staff attend training sessions on sustainable procurement and waste management. The University recognizes exemplary contributions through the *Green Champion Award*, motivating sustained participation. Workshops on sustainable laboratory practices and responsible purchasing cultivate accountability across all levels. These initiatives create a culture of collaboration and continuous learning. By nurturing environmentally responsible behavior, IES University transforms its campus community into a living laboratory for sustainable development.

9. Monitoring, Targets and Performance

IES University tracks SDG-12 implementation through key indicators related to waste segregation, recycling, and green procurement. Annual audits measure progress in paper reduction, energy use, and waste diversion. Targets for 2025 include achieving 80% segregation at source, complete digital administration, and enhanced awareness programs. The Sustainability Cell maintains dashboards to monitor campus performance and share updates with departments. Regular meetings ensure corrective action on identified gaps. Transparent reporting practices ensure alignment with national standards and THE Impact Ranking metrics. This continuous evaluation framework not only measures achievements but also fosters accountability and innovation in environmental management across the institution.

10. Impact Evaluation and Case Studies

Case Study 1 – "Waste to Wealth Initiative"

Under this initiative, waste paper from administrative offices was recycled into stationery and notebooks, promoting internal reuse. The effort demonstrated the economic and ecological benefits of resource recovery.

Case Study 2 – "Green Cafeteria Project"

Single-use plastics were replaced with stainless-steel utensils and biodegradable packaging in campus cafeterias, substantially reducing non-recyclable waste.

Both initiatives illustrate IES University's ability to translate policy into tangible results. These models have inspired local institutions to adopt similar practices, positioning IES University as a regional leader in sustainability-driven innovation.

11. Financials and Investments

IES University allocates dedicated funds annually for sustainability programs under its *Green Campus and Infrastructure Development Budget*. Investments support installation of renewable energy systems, waste segregation units, and awareness campaigns. A portion of the research budget is reserved for projects focusing on sustainable production and eco-innovation. Collaboration with industry partners and CSR contributors enhances financial sustainability of initiatives. The University's financial stewardship reflects a strong commitment to long-term environmental planning and responsible utilization of resources. Expenditure records are audited annually to ensure transparency and efficient allocation of funds.

12. Risks, Barriers and Mitigation

Challenges encountered include inconsistent data reporting across departments and limited awareness among external suppliers about sustainable procurement standards. To address these, the University introduced digital monitoring dashboards and periodic training workshops. Another challenge involves balancing cost efficiency with green product adoption, mitigated by phased implementation and vendor sensitization. Internal awareness campaigns encourage behavioral change among staff and students. The institution also collaborates with regional environmental organizations for technical support. These mitigation strategies ensure steady progress despite operational constraints and strengthen the University's resilience in achieving its SDG-12 commitments.

13. Ethics, Equity and Inclusion

IES University ensures that sustainability practices uphold ethical principles, fairness, and inclusivity. Procurement policies prioritize suppliers adhering to ethical labor practices and environmental compliance. Campus awareness drives highlight the importance of equitable access to sustainable facilities and opportunities for all, irrespective of economic background. The University integrates social equity into its sustainability agenda, ensuring that environmentally responsible choices do not create additional financial burdens for students. Gender-inclusive initiatives encourage participation of women in sustainability leadership roles. By aligning ethical governance with environmental objectives, IES University promotes a culture of accountability and shared responsibility in responsible production and consumption.

14. Annexes and Evidence Dossier

The annexure section compiles all documentary evidence supporting SDG-12 activities, including policy documents, training materials, course syllabi, photographs, and audit summaries. Supporting data on waste segregation, procurement practices, and awareness campaigns are archived by the Sustainability Cell. Research publications, innovation case studies, and student project reports are catalogued for reference and verification. This evidence dossier ensures transparency, authenticity, and alignment with THE Impact Ranking requirements.
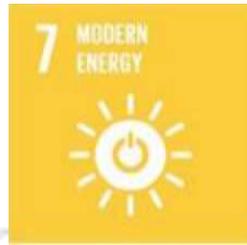
Annual Sustainability Report (2024-25)

SDG-13-CLIMATE ACTION

1. Executive Summary

IES University, Bhopal, recognizes *Climate Action* as a defining priority of the 21st century and aligns its policies and practices with *Sustainable Development Goal 13*. From 2021 to 2025, the University adopted a proactive approach to climate education, environmental conservation, and carbon management. Initiatives include renewable energy adoption, carbon footprint audits, and community sensitization on climate resilience. Through the *Green Campus Mission*, IES University has integrated sustainable practices across infrastructure, research, and pedagogy. Faculty and students engage in field research on climate change mitigation, afforestation, and energy efficiency. Outreach programs raise awareness about climate adaptation and disaster preparedness in surrounding communities. IES University remains committed to nurturing future leaders who will balance innovation with responsibility to protect the planet.

2. Institutional Strategy and Governance

The University's climate action strategy is implemented through a multi-tier governance model. The *Sustainability and SDG Cell*, chaired by the Registrar and supervised by the Hon'ble Vice Chancellor, formulates and monitors climate-related policies. The *Green Campus Committee* oversees waste reduction, energy efficiency, and biodiversity protection. The *Environmental Policy Framework (2021)* serves as the guiding document for all campus operations, research, and outreach efforts related to climate change. Regular meetings evaluate progress toward reducing emissions, increasing renewable energy usage, and strengthening environmental resilience. This governance approach ensures participatory decision-making and institutional accountability, positioning IES University as a climate-responsible campus.

3. Definitions, Scope and Methodology

This report covers IES University's actions addressing climate change mitigation, adaptation, and resilience during 2021–2025. It includes on-campus initiatives, research outputs, and outreach programs. Data were sourced from the Green Campus Committee, NSS Unit, and relevant academic departments. The methodology emphasizes qualitative assessment supported by documentary evidence such as audit reports, photographs, and stakeholder feedback. Key focus areas include renewable energy, waste management, tree plantation, and awareness programs. While empirical data are maintained internally for audits, the present report prioritizes descriptive evaluation. The structured methodology ensures transparency and alignment with THE Impact Ranking and national sustainability benchmarks.

4. Research and Innovation

Research at IES University focuses on technological and scientific solutions to combat climate change. The Engineering departments explore renewable energy systems, smart grid solutions, and low-carbon technologies. The Environmental Science faculty undertakes projects on pollution control, carbon sequestration, and sustainable land management. Pharmacy and Ayurved departments study the impact of climate change on medicinal plant biodiversity. Interdisciplinary projects promote innovation in climate-resilient agriculture and green technologies. Collaborative research with industries and NGOs amplifies real-world applications. By combining scientific rigor with sustainability ethics, IES University transforms climate awareness into actionable innovation for environmental protection.

5. Campus Operations and Resource Management

IES University operates on a sustainable resource management model that reduces its environmental footprint. Solar panels supply a growing portion of the campus's electricity needs. Energy-efficient appliances and LED lighting minimize consumption. Rainwater harvesting structures, waste segregation, and composting contribute to conservation. The *No Plastic Campus Policy* enforces the ban on single-use plastics. Green landscaping with native trees improves microclimate regulation. Regular maintenance of water and power systems ensures resource optimization. Through these integrated measures, the University leads by example—transforming its campus into a climate-resilient learning environment.

6. Teaching and Curriculum

Climate education forms an essential component of the University's academic structure. Courses such as *Environmental Sustainability*, *Climate Change and Disaster Management*, and *Sustainable Engineering Practices* are offered across disciplines. Experiential learning activities—like environmental audits, field surveys, and workshops—enhance understanding of global climate issues. Guest lectures by climate experts and policymakers foster dialogue on adaptation and mitigation strategies. Students from all programs participate in the *Green Campus Learning Series*, which integrates theory with hands-on action. This academic approach builds awareness and skills, empowering graduates to become advocates of sustainability in their professions and communities.

7. Community Engagement and Outreach

IES University extends its climate action mission beyond the campus through outreach and collaboration. The *NSS Unit* conducts awareness rallies on afforestation, water conservation, and energy saving. Community programs promote sustainable farming, waste segregation, and eco-friendly practices in nearby villages. Workshops on disaster risk reduction train local youth in emergency preparedness. The University collaborates with NGOs to organize *Van Mahotsav* tree plantation drives and cleanliness campaigns. These engagements transform communities into active participants in climate action, reinforcing the University's belief that environmental responsibility begins at the local level.

8. Student and Staff Engagement

Students and staff form the backbone of IES University's climate initiatives. The *Eco Club* and *Green Warriors Forum* lead awareness campaigns, energy audits, and recycling drives. Faculty members mentor sustainability projects and guide students in environmental innovation competitions. The *Green Ambassador Program* trains volunteers as advocates for sustainable lifestyle practices. Workshops on carbon footprint reduction and paper-free communication are organized regularly. Recognition programs such as the *Climate Action Award* celebrate exemplary contributions. This participatory model strengthens ownership and community spirit toward environmental stewardship.

9. Monitoring, Targets and Performance

The University sets clear climate action targets aligned with SDG-13. Annual sustainability audits measure carbon emissions, renewable energy utilization, and green cover expansion. The target for 2025 is to achieve a 30% reduction in paper usage and 25% increase in solar energy contribution. The *Sustainability and SDG*

Cell maintains dashboards for continuous monitoring. Periodic reviews ensure compliance with environmental norms and corrective action where needed. This evidence-based approach reinforces accountability and transparency, ensuring sustained climate performance at institutional and operational levels.

10. Impact Evaluation and Case Studies

Case Study 1 – "Green Energy Integration Project"

The University's initiative to install solar panels across key academic buildings reduced dependency on grid electricity and inspired similar adoption in partner institutions.

Case Study 2 – "Community Climate Literacy Drive"

Through workshops and interactive campaigns, students educated rural communities on waste reduction, energy conservation, and climate resilience techniques.

These case studies highlight the University's tangible contributions toward carbon mitigation and environmental awareness, exemplifying its commitment to collective climate responsibility.

11. Financials and Investments

A dedicated *Sustainability and Renewable Energy Fund* supports all climate-related projects at IES University. Annual allocations cover installation of renewable systems, maintenance of green infrastructure, and awareness campaigns. The University collaborates with corporate CSR partners and government programs like *Unnat Bharat Abhiyan* and *Solar Mission India* to mobilize additional resources. Financial accountability is ensured through periodic audits and transparent reporting. These strategic investments demonstrate the University's conviction that environmental sustainability is both an ethical and economic imperative.

12. Risks, Barriers and Mitigation

Climate action efforts face challenges such as fluctuating weather patterns, financial limitations, and varying community awareness levels. IES University mitigates these through strategic planning, phased investment, and awareness campaigns. Maintenance protocols ensure durability of renewable installations. Student-led monitoring teams track energy use to identify inefficiencies. Partnerships with environmental organizations provide technical and training support. The University's adaptive approach ensures resilience and continuous improvement despite evolving climate and infrastructural challenges.

13. Ethics, Equity and Inclusion

IES University's climate initiatives are grounded in ethical responsibility and inclusivity. Programs emphasize the moral obligation to safeguard natural resources for future generations. Environmental education is inclusive, engaging students of all disciplines and backgrounds. Special focus is placed on involving women, differently-abled students, and rural youth in climate campaigns. The University ensures fair access to participation and benefits from sustainability programs. These inclusive ethics foster a sense of global citizenship and collective responsibility for environmental wellbeing.

14. Annexes and Evidence Dossier

The annexure section contains verified evidence of IES University's SDG-13 efforts, including energy audit reports, environmental policy documents, photographs, awareness materials, and research abstracts. Documentation from community outreach programs and climate literacy workshops is archived annually by the *SDG Cell*. The dossier ensures transparency, authenticity, and readiness for THE Impact Ranking submissions, reflecting the University's ongoing commitment to climate accountability and education.
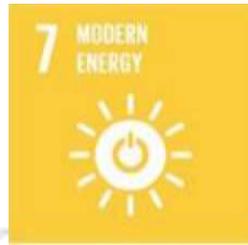
Annual Sustainability Report (2024-25)

SDG-14-LIFE BELOW WATER
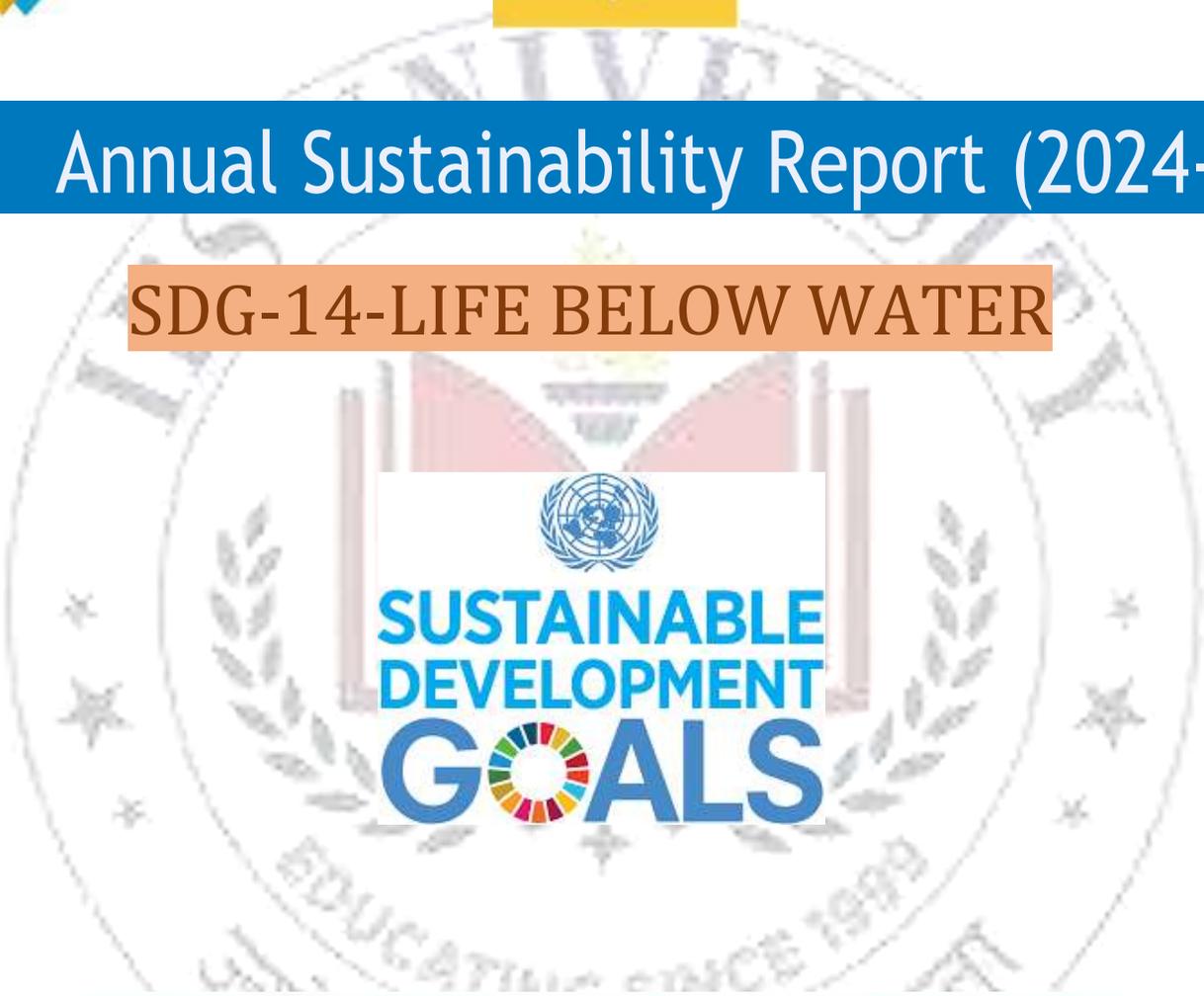
1. Executive Summary

IES University, Bhopal, affirms its commitment to Sustainable Development Goal 14 – *Life Below Water* – through integrated academic, research, and community initiatives. The University strives to conserve aquatic ecosystems, promote responsible water management, and raise awareness of marine and inland aquatic life. From 2021–2025, various departments—Pharmacy, Ayurved, Nursing, Engineering, and Management—collaborated on projects supporting clean water access, pollution reduction, and environmental literacy. Through student-driven outreach and institutional partnerships, IES University has promoted a sustainable connection between inland freshwater systems and marine ecosystems. Key initiatives include the "Adopt a Pond" campaign, campus water audits, plastic-free awareness drives, and research on bioremediation and water treatment. The establishment of the Sustainability Cell ensured systematic monitoring and documentation of SDG activities. The University's focus on inclusivity, innovation, and ethical environmental stewardship has significantly contributed to building a culture of sustainability. This report highlights IES University's structured contributions toward achieving SDG-14 from 2021 to 2025 through teaching, research, policy engagement, and measurable impact.

2. Strategy, Policy and Governance

IES University has institutionalized environmental sustainability through policy frameworks aligned with SDG-14 objectives. The *Environmental Sustainability Policy (2021)* emphasizes responsible resource use, waste minimization, water efficiency, and community awareness about aquatic conservation. A dedicated *Sustainability Cell* oversees the implementation, monitoring, and evaluation of SDG-linked activities. The governance structure includes the Green Campus Committee and departmental coordinators responsible for integrating sustainability into academics and operations. Policy measures such as rainwater harvesting, wastewater recycling, and zero-plastic campaigns form integral parts of the strategy. Decision-making follows participatory principles involving faculty, staff, students, and administrative leaders. The University also aligns its strategies with national missions such as *Namami Gange* and *Swachh Bharat Abhiyan*. Regular review meetings, environmental audits, and compliance reports ensure accountability and continuous improvement. Governance at IES University thus extends beyond compliance—it reflects commitment, shared responsibility, and a collective effort to link institutional growth with ecological preservation and responsible stewardship of aquatic resources.

3. Research and Innovation

Research at IES University supports scientific and technological innovation in water sustainability, aquatic health, and pollution management. The Engineering Department has developed sensor-based water monitoring systems using IoT technologies for real-time data collection. The Pharmacy and Ayurved faculties have explored bio-filtration and herbal-based water purification methods, providing indigenous and cost-effective solutions for rural areas. Nursing students have studied waterborne diseases and their prevention, while Management scholars have worked on sustainable supply chains for aquatic resources. Between 2021–2025, several interdisciplinary papers were published on microplastic toxicity, aquatic biodiversity, and blue economy practices. The University also encourages student research through annual innovation challenges, where participants design prototypes for clean-water technologies and eco-friendly packaging. Collaborative work with NGOs and environmental agencies ensures that outcomes extend beyond academia to community impact. This integration of innovation, applied research, and public welfare reflects IES University's holistic contribution toward achieving SDG-14 targets.

4. Marine and Coastal Ecosystem Monitoring & Protection

Though located inland, IES University recognizes the intrinsic connection between river systems and marine ecosystems. The University's *Rivers Connect Oceans* initiative underscores the interdependence of freshwater and marine biodiversity. Students conduct water quality monitoring of local water bodies such as the Upper Lake, Bhopal, using parameters like pH, dissolved oxygen, and turbidity. The collected data contribute to state-level aquatic databases supporting environmental conservation programs. Faculty members organize awareness campaigns on plastic pollution, micro-waste management, and the need to protect inland water sources that ultimately flow into oceans. Collaborations with municipal authorities and NGOs have led to pond restoration and catchment-area clean-up drives. These practical engagements cultivate an ecological understanding among students and communities, reinforcing how actions in inland environments influence coastal and marine health. The University's approach thus bridges the local-to-global continuum of aquatic protection through education, monitoring, and sustainable behavior.

5. Education and Capacity Building

Education at IES University integrates environmental literacy with professional training. Courses on environmental studies, water resource management, and sustainable development are mandatory across programs. Specialized electives in *Blue Economy*, *Water Conservation Technologies*, and *Marine Ecology* expose students to global sustainability challenges. The University conducts annual capacity-building workshops, inviting experts from environmental organizations and research institutes. Students undertake internships focused on water testing, sanitation, and biodiversity mapping. The Ayurved and Pharmacy departments emphasize traditional knowledge for water purification, while Engineering students learn sustainable design of water systems. More than 500 students annually participate in field visits, awareness programs, and innovation projects. These efforts build scientific understanding and a sense of ecological responsibility. Faculty development programs ensure continuous academic enrichment and interdisciplinary teaching methods. By nurturing environmentally conscious graduates, IES University ensures that the next generation contributes meaningfully to the protection of aquatic and marine life.

6. Community Engagement and Outreach

IES University's SDG-14 activities strongly emphasize community collaboration. The *Jal Jeevan Awareness Yatra* reached more than 2,000 residents in rural and semi-urban areas between 2021–2025, promoting water conservation and pollution reduction. The *Adopt a Pond* program mobilized students and villagers to restore neglected ponds by de-silting, planting aquatic vegetation, and creating waste-free zones. Nursing students conducted health awareness campaigns on waterborne diseases, while engineering teams tested local water samples and shared reports with communities. Eco-clubs organized plastic-free drives, drawing attention to the harmful effects of non-biodegradable waste on aquatic organisms. Partnerships with NGOs and the Bhopal Municipal Corporation enhanced the effectiveness of these programs. These grassroots initiatives demonstrate the University's philosophy of 'education through participation'—empowering citizens to protect their water resources. By linking scientific knowledge with local wisdom, IES University has nurtured a culture of environmental stewardship and sustainable living among its surrounding communities.

7. Policy Influence and Partnerships

Policy engagement is a vital aspect of IES University's sustainability model. Collaborations with the *Madhya Pradesh Pollution Control Board* and *Bhopal Municipal Corporation* have resulted in significant contributions to water management and waste disposal frameworks. Faculty members provide expertise in drafting local environmental regulations and reviewing regional policies on water reuse and solid waste management. The University also partners with NGOs to advocate for sustainable aquatic policies at the state level. Joint seminars and policy roundtables facilitate dialogue between academia, government, and industry. These engagements ensure that academic research is translated into actionable policy recommendations. By aligning its initiatives with India's National Water Policy and UN SDG-14 indicators, IES University contributes to evidence-based decision-making and environmental governance. The institution thus plays a proactive role in shaping sustainable water policies and supporting government efforts toward cleaner, healthier aquatic ecosystems.

8. Sustainable Fisheries and Marine Resource Use

IES University contributes to sustainable fisheries and aquatic resource management through education, awareness, and applied research. Engineering and Management students collaborate on projects related to efficient aquaculture systems and circular resource utilization. Workshops conducted in collaboration with agricultural universities educate fish farmers on responsible aquaculture practices, minimal antibiotic use, and habitat restoration. The University's environmental policy emphasizes maintaining biodiversity by protecting indigenous fish species and reducing pollution in aquatic habitats. Simulated studies in controlled environments allow students to experiment with sustainable nutrient recycling methods. The Management department also explores market strategies for sustainable fisheries supply chains, linking economic viability with environmental ethics. These initiatives reinforce the University's contribution to sustainable resource use under SDG-14, focusing on the idea that even inland institutions can meaningfully support marine and aquatic life through innovation, awareness, and ethical practice.

9. Pollution Reduction & Waste Management

IES University has implemented a comprehensive waste management and pollution control framework, directly advancing SDG-14 objectives. The campus operates as a *Plastic-Free Zone*, promoting reusable alternatives and banning single-use plastics since 2022. Laboratories follow strict chemical waste disposal protocols, while wastewater is treated through a greywater recycling system and reused for gardening and sanitation. Solid waste segregation at source ensures proper recycling and minimal environmental leakage. Awareness campaigns by the Eco-Club motivate students and staff to adopt sustainable waste habits. Regular environmental audits track reductions in pollutant output, demonstrating quantifiable improvement in sustainability performance. The University's approach integrates education, technology, and governance to prevent land-based pollutants from entering aquatic systems. These efforts underscore IES University's belief that controlling terrestrial pollution is fundamental to protecting life below water.

10. Marine Innovation & Technology

Innovation remains a cornerstone of IES University's approach to sustainability. The Engineering Department develops IoT-based devices that continuously monitor water parameters such as turbidity, salinity, and pH. Pharmacy and Ayurved researchers design biodegradable agents for water purification and

organic anti-pollutant formulations. The annual *Innovation for Blue Planet Challenge* encourages interdisciplinary teams to create technological solutions for water conservation and pollution control. Supported by the University's incubation cell, several prototypes—such as smart filtration systems and portable purification kits—have received recognition in national innovation competitions. Collaborations with technology start-ups further enhance the development of scalable, affordable solutions for environmental sustainability. Through this synergy of innovation, education, and entrepreneurship, IES University demonstrates how research and technology can be harnessed for the protection and sustainable use of aquatic and marine resources.

11. Monitoring, Targets & Impact Evaluation

IES University continuously monitors its SDG-14 performance through well-defined indicators and measurable targets. Annual sustainability audits measure water consumption, pollution control, and plastic reduction outcomes. The University aims for a 30% decrease in single-use plastic and a 25% improvement in water reuse efficiency by 2025. The Sustainability Cell compiles periodic reports that are reviewed by the Green Campus Committee and external environmental auditors. Quantitative data are complemented by qualitative feedback from students and community partners to ensure a holistic evaluation. Results are shared during the annual Sustainability Review Meeting to maintain transparency and institutional accountability. This robust evaluation system enables IES University to identify progress, address gaps, and plan future actions for achieving long-term environmental resilience and measurable impact under SDG-14.

12. Case Studies

Case Study 1 – "Adopt a Pond Initiative"

Under this program, students and faculty rejuvenated a neglected pond near the campus by de-silting, planting aquatic vegetation, and creating buffer zones. The project improved local biodiversity and enhanced groundwater recharge. The initiative was recognized by the Bhopal Municipal Corporation in 2023.

Case Study 2 – "Plastic-Free Lake Campaign"

In collaboration with NGOs, the University's Eco-Club conducted a large-scale clean-up drive at Upper Lake, removing over 500 kilograms of plastic waste. The campaign not only restored ecological balance but also increased civic participation, involving over 300 volunteers.

Both case studies exemplify practical, community-driven sustainability and provide replicable models for environmental action.

13. Risks, Barriers & Lessons Learned

Key challenges included limited access to marine ecosystems and constrained funding for advanced aquatic research. Despite these limitations, the University leveraged partnerships and student innovation to sustain progress under SDG-14. Climate variability and unpredictable rainfall patterns posed additional obstacles to local water projects. Nevertheless, the experience reinforced the importance of adaptive planning and community collaboration. Lessons learned highlight that sustainable development requires cross-disciplinary participation and consistent awareness creation. By integrating environmental topics into

teaching, research, and administration, IES University overcame resource barriers and strengthened its commitment to long-term aquatic ecosystem preservation.

14. Funding & Resource Support

IES University allocated approximately ₹15 lakhs between 2021–2025 from its Institutional Social Responsibility (ISR) fund to support SDG-14 activities. Financial assistance was utilized for research, awareness drives, and community outreach programs. Additional funding from CSR partnerships and government grants facilitated innovation projects on waste reduction and clean water technologies. The University ensures transparency through annual financial reports reviewed by the Sustainability Cell. Collaborative funding with industries has also supported prototype development for eco-innovation. This structured resource management ensures continuity and scalability of sustainability programs, demonstrating the University's dedication to maintaining financial accountability while advancing environmental protection.

15. Ethical and Social Considerations

Ethics and social inclusion are integral to IES University's sustainability agenda. The institution emphasizes fair access to clean water, respect for biodiversity, and participatory engagement of local communities. Students are encouraged to adopt sustainable behaviors and promote environmental justice. All research and outreach programs follow ethical standards ensuring safety, transparency, and inclusivity. Gender equality and local empowerment remain central to project planning and implementation. Through community partnerships, the University upholds shared responsibility and collective benefit, ensuring that sustainability efforts protect both people and the planet.

16. Annexes & Evidence

Annexures comprise supporting data, project documentation, and verification evidence. These include water quality analyses, sustainability audit reports, research publications, and policy contribution records. Photographs, brochures, and participation certificates authenticate on-ground implementation. The Sustainability Cell maintains an organized repository of records for third-party review and ranking submissions. All evidence follows verification guidelines and is aligned with THE Impact Ranking documentation standards.

17. Visuals and Data Dashboards

IES University maintains interactive dashboards that visually represent SDG-14 performance indicators such as water conservation levels, waste reduction statistics, and outreach impact. Infographics display year-wise progress from 2021 to 2025, highlighting the number of participants, restored ponds, and plastic reduction metrics. Maps show community engagement areas and project impact zones. These visual dashboards are presented in annual review meetings and sustainability reports to promote transparency, institutional learning, and public accountability.
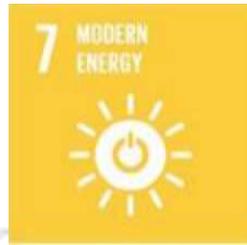
Annual Sustainability Report (2024-25)

SDG-15-LIFE ON LAND

1. Executive Summary

IES University, Bhopal, is deeply committed to *Sustainable Development Goal 15 – Life on Land*, emphasizing biodiversity conservation, sustainable land use, and environmental stewardship. Between 2021 and 2025, the University implemented initiatives to protect terrestrial ecosystems, promote afforestation, and encourage research on soil and habitat restoration. The campus, designed as a green and eco-conscious environment, features native plantations, biodiversity zones, and rainwater harvesting systems. Through student-led drives like *Green Earth Mission* and *Van Mahotsav*, the institution has contributed to tree plantation and environmental awareness both on and off campus. Collaborations with government and NGOs reinforce community-based conservation practices. IES University exemplifies ecological harmony through responsible land management, research, and education.

2. Institutional Strategy and Governance

The University's biodiversity and land conservation strategy is guided by the *Environmental Sustainability Policy (2021)* under the supervision of the *Sustainability and SDG Cell*. The *Green Campus Committee* ensures that institutional development aligns with environmental conservation principles. Policies promote sustainable landscaping, minimal land alteration, and maintenance of natural green zones. The University follows guidelines of the *National Biodiversity Authority* and *State Pollution Control Board*. Regular review meetings evaluate plantation programs, waste management, and soil conservation efforts. This governance framework reflects IES University's long-term vision of integrating ecological well-being with academic excellence and community development.

3. Definitions, Scope and Methodology

This report covers IES University's environmental sustainability activities related to terrestrial ecosystems during 2021–2025. It includes initiatives in green campus management, biodiversity promotion, research, and outreach. The methodology combines document review, stakeholder consultation, and periodic green audits. Data sources include the *Green Campus Committee*, *NSS Unit*, and *Environmental Science Department*. Focus areas encompass tree plantation, soil health management, pollution reduction, and wildlife conservation awareness. The reporting structure follows THE Impact Ranking framework emphasizing qualitative performance and continuous improvement in ecological conservation.

4. Research and Innovation

Research at IES University addresses the challenges of habitat degradation, pollution control, and ecological restoration. The *Department of Environmental Science* conducts projects on soil fertility, waste management, and reforestation. Engineering departments explore eco-friendly construction materials and sustainable land-use technologies. Ayurved and Pharmacy departments study medicinal plant biodiversity and herbal cultivation. Research findings are shared through national conferences and publications on sustainable ecosystems. Collaborative research with forest departments and local NGOs supports evidence-based conservation practices. By integrating science with social responsibility, the University fosters innovative approaches to protecting life on land.

5. Campus Operations and Resource Management

IES University functions as a green and sustainable campus with a focus on maintaining ecological balance. The landscaping strategy emphasizes indigenous flora, soil moisture retention, and minimal use of chemical fertilizers. Green belts and biodiversity gardens serve as natural laboratories for students. Composting units convert biodegradable waste into organic manure. Water bodies within the campus sustain micro-ecosystems and promote biodiversity. No-horn zones and restricted vehicular movement further preserve the campus's natural serenity. Through thoughtful design and responsible operations, the University exemplifies sustainable land use and biodiversity protection.

6. Teaching and Curriculum

Environmental awareness and ecological literacy are integral to the University's teaching-learning process. Courses such as *Environmental Studies*, *Ecology and Conservation Biology*, and *Sustainable Development* are mandatory across programs. Students participate in field visits to study flora, fauna, and soil ecosystems. The curriculum encourages practical understanding through projects on waste reduction and afforestation. Interdisciplinary learning integrates science, policy, and ethics to build environmental sensitivity. By nurturing ecological consciousness through education, IES University empowers students to become responsible custodians of natural resources.

7. Community Engagement and Outreach

The University's outreach programs extend environmental protection initiatives to surrounding communities. The *NSS Unit* organizes cleanliness drives, tree plantation programs, and awareness sessions on sustainable farming. Collaborations with local panchayats promote organic agriculture and land conservation practices. Students conduct workshops on soil health, composting, and biodiversity preservation in nearby villages. Through partnerships with NGOs, the University supports restoration of degraded areas and school-based environmental education. These community-driven efforts ensure that the message of ecological responsibility resonates beyond the campus.

8. Student and Staff Engagement

Students and staff play an active role in promoting biodiversity and sustainable land management. The *Eco Club* and *Green Guardians Forum* lead initiatives such as plantation drives, wildlife awareness campaigns, and waste recycling. Staff members participate in environmental management workshops to integrate sustainability in their daily practices. Competitions like *Best Green Initiative Award* motivate innovative eco-actions. The spirit of teamwork and voluntary participation ensures that IES University's sustainability efforts are community-driven and holistic in nature.

9. Monitoring, Targets and Performance

The *Green Campus Committee* conducts periodic audits of green cover, waste management efficiency, and biodiversity indicators. The University maintains a digital database of tree plantations, including species diversity and survival rate. Targets for 2025 include 100% organic waste recycling, 10% increase in green cover, and establishment of a medicinal plant garden. Annual reports reviewed by the *SDG Cell* ensure

accountability and transparency. This structured monitoring process keeps sustainability measurable, adaptable, and impactful.

10. Impact Evaluation and Case Studies

Case Study 1 – "Adopt a Tree Program"Students and faculty adopted trees within the campus, ensuring regular care and monitoring for long-term survival.

Case Study 2 – "Herbal Garden Initiative"

The Ayurved department created a herbal garden with over 50 species of medicinal plants, linking traditional knowledge with modern education.

Both initiatives demonstrate IES University's commitment to nurturing biodiversity and integrating environmental care into daily practice.

11. Financials and Investments

The University allocates an annual *Green Development Budget* for biodiversity and environmental conservation programs. Funds are utilized for plantation drives, composting infrastructure, and maintenance of green zones. Collaborations with government and CSR partners enhance resource mobilization for sustainability projects. All expenditures are audited to ensure transparency and responsible fund use. These sustained financial commitments underscore IES University's belief that protecting nature is a moral and strategic investment for future generations.

12. Risks, Barriers and Mitigation

Challenges to biodiversity conservation include urban expansion, seasonal droughts, and maintenance of newly planted trees. The University mitigates these through drip irrigation, rainwater harvesting, and soil moisture conservation techniques. Student volunteers monitor plantation survival, while eco-clubs raise awareness about responsible land use. Collaboration with local authorities ensures technical support for reforestation. Proactive planning and adaptive management strengthen the University's capacity to sustain its environmental programs despite external challenges.

13. Ethics, Equity and Inclusion

IES University's environmental philosophy is rooted in ethics, inclusivity, and respect for nature. All students, regardless of discipline or background, are encouraged to participate in conservation programs. Gender-balanced and community-inclusive initiatives ensure broad representation. Environmental ethics courses emphasize intergenerational responsibility and ecological justice. The University's code of conduct enshrines sustainable living as an ethical duty, not just an institutional goal. By blending equity with environmentalism, IES University reinforces the idea that sustainability thrives in inclusivity.

14. Annexes and Evidence Dossier

The annexure includes green audit reports, biodiversity registers, plantation records, photographs, and documentation of outreach activities. Evidence is maintained by the *Green Campus Committee* and verified by the *IQAC* for authenticity. These materials serve as proof of IES University's measurable and consistent
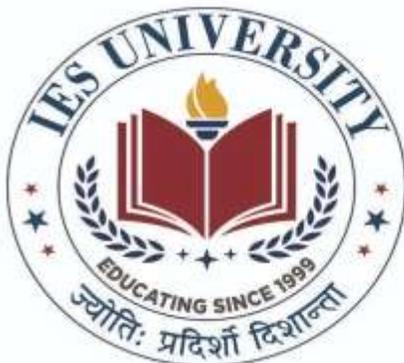
contribution to environmental sustainability and are included in THE Impact Ranking submissions. The dossier reflects the University's unwavering dedication to preserving terrestrial ecosystems through education, innovation, and community action.

Annual Sustainability Report (2024-25)

SDG-16-PEACE, JUSTICE AND STRONG INSTITUTION

1. Executive Summary

IES University, Bhopal, actively promotes *Sustainable Development Goal 16 – Peace, Justice and Strong Institutions*, aiming to cultivate transparent governance, ethical leadership, and civic responsibility. Between 2021 and 2025, the University institutionalized a culture of peace, inclusivity, and accountability through its academic programs, student governance, and social engagement. The University upholds the highest standards of justice and integrity in administration, ensuring fairness in academic and operational practices. Through awareness campaigns, legal literacy programs, and value-based education, IES University fosters harmony and democratic participation within and beyond the campus. This approach transforms students into responsible global citizens who embody principles of justice, integrity, and peace.

2. Institutional Strategy and Governance

The University's governance framework is rooted in transparency, ethical conduct, and participatory decision-making. The *Internal Quality Assurance Cell (IQAC)* and *SDG Cell* jointly monitor compliance with institutional ethics, grievance redressal, and fair governance. The *Internal Complaints Committee (ICC)*, *Anti-Ragging Committee*, and *Grievance Redressal Cell* ensure a safe, inclusive environment for all. Policies such as *Code of Conduct for Students and Staff* and *Whistleblower Policy* reinforce integrity and accountability. Governance meetings follow documented procedures with minutes published for transparency. This democratic and ethical framework enables IES University to serve as a model of institutional strength and justice.

3. Definitions, Scope and Methodology

This report encompasses IES University's initiatives aligned with SDG-16 during 2021–2025. The scope covers institutional governance, ethical practices, student engagement, legal literacy, and peace education. Data were collected from statutory committees, student bodies, and outreach programs. The methodology follows THE Impact Ranking guidelines, emphasizing qualitative assessment supported by policy documents and event records. Focus areas include integrity in administration, access to justice, democratic participation, and conflict resolution. The University adopts a participatory reporting approach, ensuring transparency and inclusivity in evaluating peace and justice initiatives.

4. Research and Innovation

IES University promotes interdisciplinary research on peacebuilding, governance, and social justice. The *School of Law and Management* undertakes studies on human rights, ethical leadership, and sustainable governance models. The *Department of Social Sciences* conducts research on conflict resolution, public policy, and social harmony. Collaborative projects explore mediation, women's rights, and access to justice in rural communities. National seminars and workshops on "Good Governance and Ethical Leadership" encourage academic discourse. Through its research, the University contributes to knowledge creation that strengthens democratic institutions and fosters peace.

5. Campus Operations and Resource Management

The University ensures transparency and justice in all operational processes, including recruitment, procurement, and finance. Digital record-keeping promotes accountability and minimizes procedural delays.

The *Ethics and Integrity Committee* periodically reviews adherence to policies and regulations. Complaint mechanisms are accessible to all stakeholders, ensuring timely grievance redressal. Financial transactions follow strict auditing standards. The University also maintains open communication channels for staff and students, encouraging participatory governance. This operational integrity reflects the institution's commitment to building trust, fairness, and ethical accountability at all levels.

6. Teaching and Curriculum

Peace and justice education are deeply embedded in the curriculum at IES University. Courses on *Constitutional Studies*, *Human Rights Law*, *Corporate Governance*, and *Professional Ethics* enable students to understand democratic values and social justice principles. Law students participate in moot courts and legal literacy camps, while management students study ethical leadership and corporate responsibility. Value education courses foster empathy, inclusivity, and civic responsibility. By merging theoretical knowledge with experiential learning, the University ensures that future professionals are equipped with both intellect and integrity.

7. Community Engagement and Outreach

Through its outreach initiatives, IES University extends SDG-16 values to surrounding communities. The *Legal Aid Clinic* and *NSS Unit* organize awareness programs on fundamental rights, legal assistance, and voter education. Campaigns such as *Know Your Constitution* and *Youth for Peace* strengthen civic literacy and social harmony. Students collaborate with NGOs to conduct workshops on gender justice and conflict mediation. The University's community outreach builds bridges between academic learning and social transformation, empowering citizens to uphold justice and harmony in society.

8. Student and Staff Engagement

Students and staff actively participate in promoting ethics and peace through institutional clubs and committees. The *Peace and Values Club* organizes debates, cultural dialogues, and leadership workshops. Staff members undergo training in ethical governance, grievance handling, and inclusive decision-making. Student councils follow democratic election procedures, promoting participatory leadership. Annual events such as *Peace Week* and *Ethics Day* celebrate diversity and unity. These collaborative engagements strengthen the moral fabric of the institution, fostering an environment of mutual respect and responsibility.

9. Monitoring, Targets and Performance

The *IQAC* and *SDG Cell* jointly monitor institutional ethics and justice parameters through periodic reviews. Targets include 100% resolution of grievances within the academic year and annual policy audits on transparency. Feedback mechanisms from students and employees ensure constant improvement. The University tracks indicators like inclusivity in governance, student participation in legal literacy, and compliance with ethical standards. These measures establish IES University as a transparent, accountable, and justice-oriented institution.

10. Impact Evaluation and Case Studies

Case Study 1 – "Legal Aid for All"

The University's Legal Aid Clinic provided awareness and preliminary legal support to rural citizens on rights and documentation, strengthening access to justice.

Case Study 2 – "Ethical Leadership Workshop Series"

The Management department launched workshops on corporate ethics and responsible leadership, shaping future professionals with strong moral foundations.

Both initiatives demonstrate the University's commitment to justice, equity, and peace through actionable academic and community engagement.

11. Financials and Investments

IES University allocates an annual *Ethics and Governance Fund* to support SDG-16 initiatives, including legal aid, ethics workshops, and civic education programs. Funding also supports student-led awareness campaigns, community training, and policy documentation. Collaboration with government legal departments and NGOs amplifies resource mobilization. All expenditures are transparently audited by the Finance Committee. These investments underline the University's dedication to institutional ethics and equitable societal development.

12. Risks, Barriers and Mitigation

Challenges in promoting peace and justice include social misconceptions, limited awareness, and resource constraints. To address these, the University focuses on sustained education, inclusivity training, and institutional transparency. Periodic workshops ensure faculty and students remain informed of legal and ethical frameworks. Partnerships with law enforcement and civil society organizations strengthen the University's capacity to handle grievances effectively. Continuous dialogue and adaptive policy implementation mitigate risks and foster a stable, peaceful learning environment

13. Ethics, Equity and Inclusion

Ethical values are at the heart of IES University's institutional philosophy. The University promotes inclusivity and non-discrimination in admissions, recruitment, and daily interactions. The *Internal Complaints Committee* ensures gender justice, while the *Equal Opportunity Cell* supports equitable participation. Policies on anti-ragging, harassment prevention, and whistleblower protection establish moral and procedural integrity. Ethical awareness campaigns promote tolerance, empathy, and respect across the community. Through these practices, the University exemplifies justice as both a moral principle and institutional responsibility.

14. Annexes and Evidence Dossier

The annexure includes documentation such as grievance reports, ethics policies, event photographs, and legal literacy records. Evidence is verified by the *IQAC* and *SDG Cell* for THE Impact Ranking submissions. The dossier demonstrates IES University's measurable progress toward transparency, justice, and institutional resilience. It stands as proof of the University's enduring commitment to peace, integrity, and democratic governance as pillars of sustainable development.

Annual Sustainability Report (2024-25)

SDG-17-PARTNERSHIP FOR THE GOALS

1. Executive Summary

IES University acknowledges that Sustainable Development Goal 17 – Partnerships for the Goals – is the unifying force behind all the other SDGs. From 2021 to 2025, the University has systematically integrated partnership-based development across teaching, research, and community engagement. The institutional philosophy rests on collaboration, co-creation, and collective responsibility toward the 2030 Agenda.

During this period, more than fifty national and local partnerships were activated with agencies such as AICTE, MSME, Skill India Mission, Unnat Bharat Abhiyan, CSIR, BHEL, and RGPV Bhopal, as well as with NGOs like Parivartan Foundation and Prayas Trust. International linkages through knowledge-sharing platforms have further broadened the University's footprint in sustainable education.

The SDG and Sustainability Cell, established in 2021 under the Vice-Chancellor's supervision, monitors policy alignment, documentation, and impact assessment. These partnerships have strengthened innovation, enhanced employability, and improved community livelihoods around Bhopal.

IES University remains committed to transparency, inclusivity, and evidence-based outcomes, ensuring that each alliance meaningfully contributes to national and global sustainable-development goals.

2. Partnership, Strategy, Policy and Governance

The University's Partnership Strategy (2021) outlines a four-tier governance mechanism: (a) SDG Cell for policy direction, (b) IQAC for quality validation, (c) Research and Development Cell for innovation oversight, and (d) School-level SDG Coordinators for departmental execution.

The strategy promotes mutually beneficial cooperation through transparent MoUs, annual audits, and measurable social-impact targets. It emphasizes ethical governance, accountability, and gender equity in all engagements.

Policy directives integrate THE Impact Ranking indicators and the National Education Policy (NEP 2020) framework. Review committees convene quarterly to evaluate performance against KPIs such as number of active MoUs, research outputs, and beneficiaries trained.

The University's governance model ensures that partnerships are not symbolic but transformative—linking academic excellence with societal advancement.

3. Research, Knowledge Sharing and Innovation Network

Research and innovation remain the nucleus of IES University's SDG-17 efforts. Collaborative research agreements with AICTE, MSME, CSIR, DST, and NIPER Bhopal have led to impactful innovations in renewable energy, herbal medicine, and digital manufacturing.

Through the MSME Design Innovation Programme, students co-developed low-cost automation tools for rural industries. The AICTE-supported MODROBS grants modernised research labs in engineering and pharmacy. Joint publications with RGPV Bhopal and BHEL highlight cross-sectoral knowledge exchange on energy-efficient materials and smart systems.

The *Institution's Innovation Council (IIC)* and *Entrepreneurship Development Cell (EDC)* organise hackathons, startup boot camps, and patent clinics in association with National Innovation Foundation and Skill India Mission. The University's Innovation and Startup Policy (2022) encourages co-ownership of intellectual property between students and partners.

Digital knowledge sharing is facilitated through SWAYAM-NPTEL, AICTE ATAL Academy, and open-access repositories. Faculty exchange with Barkatullah University and RGPV enhances interdisciplinary research.

The network's outcome is evident in joint patents, research conferences, and field innovations addressing community needs in Madhya Pradesh. This ecosystem proves that knowledge shared collaboratively amplifies impact exponentially.

4. Formal Partnerships and Alliances

IES University formalised strategic alliances through over fifty MoUs signed between 2021 and 2025 with academic institutions, government departments, corporates, and NGOs.

Academic Alliances:

Partnerships with RGPV Bhopal, Barkatullah University, and NIPER Bhopal facilitate joint research, faculty exchange, and curriculum development.

Government and Industry Linkages:

Collaborations with AICTE, MSME, BHEL, and CSIR enable research funding, skill training, and innovation transfer. The University participates in Unnat Bharat Abhiyan, adopting five villages for integrated development.

International Engagement:

Knowledge exchange programmes with Asian and European academic networks broaden exposure to global best practices.

S. No.	Partner Institution / Organization	Country	Nature of Collaboration	Relevant SDG(s)
1	Russian New University	Russia	Joint research on sustainable education and SDG data analysis	SDG 4, SDG 17
2	Universite Catholique de I'Ouest	France	Collaborative research on renewable energy and sustainability data	SDG 7, SDG 9
3	National Taipei University of Technology	Taiwan	Research and training on environmental sustainability and SDG mapping	SDG 13, SDG 17

S. No.	Partner Institution / Organization	Country	Nature of Collaboration	Relevant SDG(s)
4	Synergy University	Dubai	Study on sustainable business models and impact data collection	SDG 8, SDG 12
5	Universidad Empresarial Siglo 21	Argentina	MoU for curriculum development, student exchange, and SDG-focused education	SDG 4, SDG 17
6	Alzea University	France	Faculty and student exchange on SDG data literacy and sustainability research	SDG 4, SDG 17
7	Adamson University	Philippines	Participation in SDG data measurement and reporting initiatives	SDG 17
8	The University of Molise	Italy	Collaborative research on sustainable infrastructure and climate data	SDG 9, SDG 13
9	King Mongkut's University of Technology	Thailand	MoU for research collaboration and data-driven study on innovation and entrepreneurship	SDG 8, SDG 9

MOU Signing Ceremony with National Taipei University of Technology, Taiwan

International Conference in collaboration with "Huazhong University of Science and Technology China" focusing on Energy, Power and Electrical Engineering

Social and NGO Collaborations:

Through *Prayas Trust* and *Sarthak Foundation*, the University executes community health, digital literacy, and sanitation campaigns.

All partnerships follow a uniform MoU template defining objectives, duration, and performance metrics. Annual Partner Review Conclaves track progress and renew commitments.

These alliances transform IES University from a stand-alone academic entity into a regional knowledge hub that champions collaborative sustainability.

5. Resource and Capacity Monetization

Partnerships extend beyond knowledge exchange to efficient resource utilisation. The University shares its state-of-the-art labs with industry partners and training institutes through a nominal resource-use model.

Collaborations with MP Urja Vikas Nigam and BHEL helped install solar rooftops and energy-efficient systems on campus. ICT alliances with NIC and NPTEL broaden digital learning access.

The University's Green Procurement Policy ensures that shared resources contribute to environmental and economic sustainability. Every collaboration is reviewed for return on capacity investment through social impact and learning outcomes.

6. Capacity Building and Knowledge Sharing

IES University organises training programmes, faculty development courses, and student workshops in association with AICTE ATAL Academy, Skill India Mission, and MSME Technology Centres.

Faculty members undertake exchange visits under RGPV linkages to learn emerging technologies. Students receive hands-on industry training through BHEL and MSME clusters.

Through NSS and Unnat Bharat Abhiyan, the University builds community capacity in digital skills and micro-entrepreneurship. Knowledge fairs and SDG seminars create a learning continuum between campus and community.

Workshop on Accelerators, Incubation Opportunities for faculties, students & Early-Stage Entrepreneurs" in association with AIC RNTU

7. Impact and Outcomes of Partnership

Between 2021 and 2025, IES University's partnerships produced tangible academic and social impacts:

- **Innovation:** 10 joint patents filed and 4 prototypes commercialised through MSME collaboration.

- **Employment:** Over 700 students placed via industry tie-ups with BHEL and CII members.

- **Community:** 5 villages benefited from sanitation and skill development projects.

- **Academics:** Curriculum revision in 7 programmes based on partner feedback.

Such outcomes confirm that co-created knowledge is a driver of inclusive growth and regional sustainability.

8. Policy Engagement and Advocacy

IES University regularly engages in policy consultations with the Madhya Pradesh Higher Education Department and AICTE on curriculum reform and entrepreneurship policy.

Through research briefs and seminars, the University contributes to state and national dialogues on sustainable education and youth employment. Faculty serve on expert panels of CII, FICCI, and MSME Board.

These advocacy efforts position IES University as a knowledge partner in policy implementation for sustainability.

9. Challenges, Risks and Lessons Learned

Key challenges include delays in MoU execution, data-sharing limitations, and funding synchronisation. Through the *Partnership Facilitation Desk*, IES University instituted monthly review calls and cloud-based tracking tools.

Lessons learned highlight the importance of mutual accountability and early stakeholder involvement to sustain momentum in long-term alliances.

10. Future Plans and Strategic Growth

By 2026, IES University aims to establish a *Centre for Sustainability Partnership and Innovation Network (C-SPIN)* to coordinate global linkages.

Planned initiatives include collaborations with UNDP India, GIZ, and NITI Aayog for research on green entrepreneurship and climate-smart education. Digital dashboards will track real-time SDG metrics for THE Impact Ranking submission.

Concept presentation of C-SPIN facility design

11. Funding and Resources

A dedicated *Partnership Development Fund* supports MoU activities, innovation grants, and community projects. Major funding flows from AICTE, MSME, DST, and corporate CSR partners.

Annual financial audits and outcome-based budgeting ensure optimal utilisation. Resource leveraging through co-funding models multiplies impact without strain on university finances.

12. Ethical, Legal and Equity Considerations

All partnerships adhere to the *Ethical Collaboration Policy (2021)* ensuring transparency, IPR protection, and gender equity. No project is approved without mutual consent on data use and acknowledgment. Special efforts are made to include women researchers and marginalised groups in joint programmes.

Workshop on research ethics and gender inclusion

13. Annexes and Evidence

- List of MoUs (2021–2025)

- Partnership activity reports and photographs

- Financial audits and utilisation certificates

- Joint publications and innovation briefs

- Community outreach records

14. Visuals and Data Dashboards

The University maintains interactive dashboards displaying key performance indicators:

- Active partnerships by type (Academic/Industry/Community)

- Research outputs and citations linked to SDG-17

- Beneficiary reach through community programmes

- Funding flow and impact heat maps

These dashboards provide real-time data for internal decision-making and external reporting to THE Impact Ranking platform.