

GALGOTIAS UNIVERSITY

Strategy for Risk Management Plan: VISION 2030 & BEYOND

1. Executive Summary & Vision Statement

Vision

To be a internationally recognized, multidisciplinary center of academic excellence and research innovation, fostering globally competitive, socially responsible, and environmentally conscious leaders.

Sustainability Commitment

Galgotias University commits to integrating environmental, social, and governance (ESG) sustainability principles into every dimension of campus life, curriculum, and operational infrastructure. Our aim is to achieve a **Net-Zero Carbon Campus by 2035**, creating an eco-system where green technology, renewable energy, and sustainable practices guide learning, research, and community engagement.

2. Strategic Objectives & Core Pillars

Pillar I: Academic & Research Excellence

- **Interdisciplinary Learning:** Expand outcome-based education (OBE) and flexible credit systems (CBCS) incorporating sustainability, AI, and green technologies across all disciplines.
- **High-Impact Research:** Establish dedicated multidisciplinary centers of excellence (CoEs) focusing on Renewable Energy, Circular Economy, Climate Action, and Smart Agriculture.
- **Global Collaborations:** Partner with leading global institutions for joint degree programs, faculty exchanges, and international grant research.

Pillar II: Campus Sustainability & Green Infrastructure

- **Clean Energy Transition:** Scale campus solar power generation to meet 70%+ of total electricity demand by 2028.
- **Resource Conservation:** Implement advanced rainwater harvesting, zero liquid discharge (ZLD) wastewater recycling systems, and smart energy-metering across all academic and residential buildings.
- **Waste Minimization:** Enforce strict single-use plastic bans, automated e-waste disposal protocols, and centralized organic waste composting.

- **Green Campus Mobility:** Transition campus transit fleet to 100% electric vehicles (EVs) and install comprehensive EV charging infrastructure.

Pillar III: Industry Integration & Social Impact

- **Corporate Partnerships:** Strengthen industry-academia pipelines with tech leaders and green tech firms to foster high-placement rates and industry-sponsored labs.
- **Community Outreach:** Engage local rural and semi-urban communities in Greater Noida through environmental awareness campaigns, skill development, and health initiatives.

3. Comprehensive Risk Management Framework

To ensure operational resilience and long-term sustainability, Galgotias University adopts a proactive Risk Management Framework structured across key operational domains:

Risk Category	Key Risk Description	Strategic Mitigation Strategies
Academic & Accreditation	• Shift in industry demand or accreditation standards (e.g., NAAC, NIRF, NBA)	• Bi-annual curriculum review with industry advisors. • Internal Quality Assurance Cell (IQAC) continuous monitoring. • Faculty upskilling in AI and green tech domains.
Operational & Infrastructure	• Supply chain disruptions and equipment failure. • Campus expansion overload on municipal resources.	• On-site power generation and battery back-up. • Local vendor diversification and smart building management systems (BMS).
Environmental & Climate	• Extreme weather events (heatwaves, flooding). • Resource depletion (water scarcity).	• Micro-climate planning with dense green belts. • On-campus water purification and continuous rainwater recharge pits.

Risk Category	Key Risk Description	Strategic Mitigation Strategies
Cybersecurity & Data Privacy	• Cyberattacks, ransomware, or loss of sensitive student/financial data.	• Implementation of ISO 27001 cybersecurity frameworks. • Multi-factor authentication (MFA), regular vulnerability tests, and secure cloud backups.
Financial & Regulatory	• Policy changes in higher education or tuition caps. • Inflationary pressures on operational expenses.	• Revenue diversification through research grants, consultancy, and executive education. • Capital deployment into energy-efficient tech to reduce overhead.

4. Execution Roadmap & Key Performance Indicators (KPIs)

Phase 1(Years 1-2)	Phase 2(Years 3-4)	Phase 3(Years 5+)
• Baseline Sustainability Audit • Green Curriculum Integration • ISO 27001 & Cyber Audits	• 70% Solar Energy Coverage • Carbon Footprint Baseline Reduction (30%) • Expanded CoE Research	• Top 50 NIRF Ranking • Net-Zero Carbon Roadmap Execution • 100% On-Campus EV Fleet

Target KPIs by 2030:

1. **Accreditation & Ranking:** Secure a top-tier position in NIRF rankings and international rating frameworks (e.g., QS Sustainability Rankings).
2. **Carbon Reduction:** Achieve a 50% reduction in overall campus carbon footprint relative to the 2025 baseline.
3. **Research Output:** Increase high-impact SCOPUS/Web of Science indexed publications in sustainability and technology by 40%.
4. **Water & Waste:** Achieve 100% recycling of treated greywater and zero-waste-to-landfill status for non-hazardous solid waste.