



Sustainability Policy

1. Vision MNIT Jaipur aspires to be a benchmark for sustainability by embedding sustainable practices across its operations, academics, and community engagements. The institution will align its efforts with the national and global Sustainable Development Goals (SDGs), contributing to India's development priorities and fostering a greener future.

2. Key Goals

Environment

- **Net Zero Carbon Emissions by 2045:** MNIT Jaipur will commit to reducing greenhouse gas emissions through renewable energy adoption, efficient energy systems, and innovative carbon offset projects. Initiatives will include installing solar power systems, implementing energy-efficient infrastructure, and conducting carbon sequestration through campus-wide tree plantations.
- **Zero Waste to Landfill by 2035:** The institution will achieve a circular economy on campus by enhancing waste segregation systems, composting organic waste, and recycling non-biodegradable materials. Awareness campaigns will ensure the involvement of the entire campus community.
- **Water Conservation and Zero Liquid Discharge by 2030:** MNIT Jaipur will focus on rainwater harvesting, wastewater recycling, and water-saving technologies to ensure sustainable water usage. All water systems will comply with the highest conservation standards.

Social

- **Gender Equity:** MNIT Jaipur aims for a balanced representation of genders, achieving 40% women in its workforce by 2030. Policies and initiatives will ensure a supportive environment for women in technical education and employment.
- **Community Well-being:** Health initiatives, skill-building programs, and educational outreach will address the broader societal needs, particularly focusing on underprivileged communities in Jaipur and its surrounding areas.

Governance

- **Sustainability Governance:** MNIT will integrate ESG (Environmental, Social, and Governance) principles into its decision-making and operational policies, ensuring transparency and accountability.
- **Recognition as a Sustainable Campus:** By 2035, MNIT Jaipur seeks to be recognized as India's leading sustainable institution, earning accolades in national and international sustainability rankings.

3. Focus Areas and Initiatives

A. Green Building Design

- **Compliance with ECBC:** New constructions will adhere to India's Energy Conservation Building Code (ECBC), incorporating energy-efficient designs and materials. Retrofits for existing buildings will aim to improve energy efficiency by at least 30%.
- **Green Certification:** All new buildings will be certified by Green Rating for Habitat Assessment or equivalent standards, emphasizing eco-friendly materials, natural ventilation, and sustainable architecture.
- **Net Zero Energy Buildings:** Innovative energy systems, such as solar-integrated facades and passive cooling techniques, will be implemented to reduce dependency on conventional energy.

B. Clean Energy

- **Renewable Energy Adoption:** The campus will transition to 100% renewable energy by 2040. Rooftop solar panels, wind turbines, and biogas plants will be integral to achieving this goal.
- **Energy-Efficient Appliances:** Transition to energy-saving appliances like LED lighting, smart HVAC systems, and motion-sensor devices across all facilities.
- **Green Energy Storage:** Advanced battery systems and smart grids will be installed to ensure uninterrupted clean energy supply.

C. Water Conservation

- **Rainwater Harvesting:** All campus buildings will be equipped with rainwater collection systems to replenish groundwater levels.
- **Greywater Recycling:** Wastewater from sinks and showers will be treated and reused for non-potable purposes like irrigation and toilet flushing.
- **Water-Efficient Fixtures:** Installation of low-flow taps, dual-flush toilets, and automated irrigation systems to minimize wastage.

D. Waste Management

- **Segregation at Source:** Color-coded bins will be deployed across the campus for efficient waste segregation into biodegradable, recyclable, and hazardous categories.
- **Composting Units:** Organic waste will be processed into compost to be used in campus gardens.
- **Plastic Ban:** Single-use plastics will be completely eliminated by 2026, with reusable or biodegradable alternatives encouraged.

E. Transportation

- **Non-Motorized Transport:** Development of pedestrian-friendly pathways and dedicated cycling lanes to reduce vehicular emissions.
- **Electric Fleet:** By 2030, the campus vehicle fleet will transition to electric or hybrid vehicles, supported by charging stations.

- **Public Transit:** Collaborations with Jaipur's public transportation to promote shared mobility for students and staff.

F. Education and Research

- **Sustainability Curricula:** Sustainability principles will be embedded into academic programs across all departments, promoting interdisciplinary learning.
- **Research Funding:** Dedicated funding for projects in renewable energy, waste management, and climate resilience will be established.
- **Collaborations:** Partnerships with Indian startups and research institutions will be strengthened to foster innovative solutions.

G. Community Engagement

- **Rural Development:** MNIT Jaipur will adopt nearby villages, promoting sustainable agriculture, digital literacy, and renewable energy solutions.
- **Health Campaigns:** Regular health camps and awareness drives on hygiene, nutrition, and mental well-being will be conducted.
- **Skill Development:** Tailored vocational training programs will be launched to empower local youth and enhance employability.

4. Monitoring and Evaluation

- **Sustainability Committee:** A dedicated committee will be responsible for overseeing the implementation of the policy, tracking progress, and ensuring accountability.
- **Metrics and Reporting:** Annual sustainability reports will be published, detailing progress in key areas, using frameworks like AASHE STARS and India's sustainability benchmarks.
- **Third-Party Audits:** Periodic external audits will validate performance and highlight areas for improvement.

5. Partnerships and Funding

- **Government Programs:** Leverage schemes under India's National Solar Mission, Smart Cities Mission, and Atal Innovation Mission for funding and support.
- **Corporate Social Responsibility (CSR):** Collaborate with industries under CSR initiatives for project funding.
- **Global Partnerships:** Engage with organizations like UNDP, TERI, and international universities to access technical expertise and grants.

This detailed policy framework ensures MNIT Jaipur aligns its operations with India's sustainability goals, fostering a greener future for all.