

Parul University

Climate Action Policy

"Commitment to Sustainability, Innovation, and Environmental Leadership"

Introduction

Parul University acknowledges the critical threat of climate change and its far-reaching impacts on ecosystems, society, and future generations. As a leading academic institution, we are committed to achieving **net-zero emissions by 2030** while embedding sustainability into education, research, operations, and community engagement.

This policy consolidates and enhances the two existing documents, ensuring a **holistic, measurable, and actionable** approach to climate resilience and carbon neutrality.

Vision & Mission

Vision

To be a **carbon-neutral and climate-resilient university by 2030**, serving as a model for sustainable education, innovation, and environmental stewardship.

Mission

- **Mitigate** greenhouse gas (GHG) emissions through renewable energy, efficiency, and sustainable infrastructure.
- **Educate & Innovate** by integrating climate action into curricula and research.
- **Engage** students, faculty, staff, and external stakeholders in sustainability initiatives.
- **Collaborate** with industry, government, and communities to scale climate solutions.

Key Strategic Pillars

A. Carbon Neutrality & Energy Transition

1. Renewable Energy Transition

- Achieve **50% renewable energy** (solar, wind, biogas) by 2028 and **100% by 2030**.
- Install **solar panels on rooftops, parking lots, and unused land**.
- Explore **off-site renewable power purchase agreements (PPAs)**.

2. Energy Efficiency

- Retrofit buildings with **LED lighting, smart meters, and efficient HVAC systems**.
- Implement **real-time energy monitoring** to optimize consumption.

3. Green Buildings & Infrastructure

- Ensure **all new constructions meet IGBC/GRIHA green standards.**
- Retrofit existing buildings for **energy and water efficiency.**

B. Sustainable Mobility

1. Low-Carbon Transport

- Expand **EV charging stations** and incentivize electric vehicle adoption.
- Promote **bicycle-sharing programs, carpooling, and shuttle services.**
- Partner with local transport authorities for **sustainable commuting options.**

C. Waste & Water Management

1. Zero-Waste Campus

- Enforce **source segregation, recycling, and composting programs.**
- Phase out **single-use plastics** and promote biodegradable alternatives.
- Establish **e-waste collection and safe disposal mechanisms.**

2. Water Conservation

- Implement **rainwater harvesting, greywater recycling, and smart irrigation.**
- Reduce water waste through **leak detection and low-flow fixtures.**

D. Climate-Conscious Education & Research

1. Curriculum Integration

- Introduce **mandatory sustainability modules** across disciplines.
- Offer **degree programs in Climate Science, Renewable Energy, and Environmental Policy.**

2. Research & Innovation

- Establish a **Climate Innovation Lab** for student and faculty projects.
- Partner with industries on **clean energy, carbon capture, and sustainable tech.**

E. Green Spaces & Biodiversity

- Expand **urban forests, native plantations, and green roofs.**
- Protect and restore **local ecosystems and wetlands.**

F. Stakeholder Engagement & Outreach

1. Internal Engagement

- Form a **Sustainability Committee** with student, faculty, and staff representatives.
- Conduct **workshops, hackathons, and sustainability challenges**.

2. Community & Industry Collaboration

- Partner with **NGOs, government bodies, and businesses** for climate resilience projects.
- Host **public lectures, policy dialogues, and green entrepreneurship incubators**.

Governance & Implementation

A. Climate Action Task Force

- A **dedicated team** to oversee policy execution, track progress, and ensure accountability.

B. Funding & Incentives

- **Green Fund:** Allocate budgets for sustainability projects, research grants, and infrastructure upgrades.
- **Recognition Programs:** Reward departments/individuals excelling in sustainability efforts.

C. Monitoring & Reporting

- **Annual Sustainability Report:** Disclose GHG emissions, energy use, and mitigation progress.
- **Third-Party Audits:** Benchmark against **UN SDGs, IPCC guidelines, and global university rankings**.

Commitment Timeline

Year	Milestone
2028	50% renewable energy, all new buildings green-certified
2030	Net-zero emissions achieved

Conclusion

Parul University pledges to lead by example in climate action, fostering a culture of sustainability that extends beyond campus boundaries. Through **innovation, education, and collaboration**, we will build a resilient future for generations to come.