Sustainability Policy

Prepared by

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CHARUSAT
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

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CHARUSAT CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
Formed under Gujarat State Act No. : 8 of 2009

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Sustainability Policy for CHARUSAT University Campus

1. Introduction

CHARUSAT is committed to sustainability through responsible resource management, environmental protection, and community engagement. This policy aims to integrate sustainable practices in all aspects of campus life, including academics, operations, and infrastructure development, aligning with national and global sustainability goals.

2. Objectives

- Promote **environmentally responsible behavior** among students, faculty, and staff.
- Reduce the university's **carbon footprint** and optimize energy efficiency.
- Implement **waste management and water conservation** strategies.
- Encourage **sustainable transport and green campus initiatives**.
- Foster **research and innovation** in sustainability.
- Collaborate with **government, industries, and NGOs** for sustainability initiatives.

3. Key Focus Areas

3.1. Energy Efficiency and Renewable Energy

- Increase the use of **solar and other renewable energy** sources.
- Implement **energy-efficient lighting (LEDs), appliances, and HVAC systems**.
- Conduct **energy audits** to monitor and improve energy use.
- Encourage **smart grid and IoT-based monitoring systems**.

3.2. Water Conservation

- Implement **rainwater harvesting systems** across campus.
- Optimize **wastewater treatment and reuse** for irrigation and flushing.
- Promote **water-efficient fixtures** (low-flow taps, dual-flush toilets).
- Conduct **awareness programs** on water conservation.

3.3. Waste Management

- Establish a **zero-waste campus** with proper segregation of **biodegradable, non-biodegradable, and hazardous waste**.
- Promote **composting and biogas plants** for organic waste.
- Encourage **paperless administration** through digital platforms.
- Implement **E-waste management programs** in collaboration with certified recyclers.

3.4. Green Campus and Biodiversity Conservation

- Increase **green cover and afforestation programs** on campus.
- Develop **eco-parks, botanical gardens, and green corridors**.
- Protect and promote **local biodiversity**.
- Minimize **chemical pesticide and fertilizer use** in landscaping.

3.5. Sustainable Transportation

- Encourage **cycling and pedestrian-friendly pathways**.
- Promote **electric vehicles (EVs) and charging stations** on campus.
- Implement **carpooling and shuttle services** to reduce vehicular emissions.

3.6. Sustainable Infrastructure and Buildings

- Adopt **green building standards (e.g., GRIHA, LEED certification)**.
- Use **eco-friendly and recycled materials** in construction.
- Enhance **natural lighting and ventilation** in buildings.
- Install **rainwater harvesting and solar panels** in new buildings.

3.7. Climate Action and Carbon Neutrality

- Set targets for **carbon footprint reduction**.
- Conduct **tree plantation drives** for carbon sequestration.
- Promote **research on climate change mitigation strategies**.

3.8. Research and Innovation for Sustainability

- Support research on **clean energy, water treatment, and waste management**.
- Encourage student and faculty projects on **sustainability-driven solutions**.
- Collaborate with industries and government agencies for **real-world sustainability projects**.

3.9. Sustainability Education and Awareness

- Integrate **sustainability topics into curricula** across disciplines.
- Organize **workshops, seminars, and sustainability drives**.
- Establish a **Sustainability Cell or Green Club** for student-led initiatives.
- Partner with **NGOs, local bodies, and research institutions** for knowledge sharing.

3.10. Community Engagement and Social Responsibility

- Conduct **outreach programs** on sustainability for surrounding communities.
- Promote **eco-friendly practices in villages and urban areas**.
- Encourage **social entrepreneurship projects** focusing on sustainability.

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4. Implementation and Monitoring

- ➢ Establish a **Sustainability Committee** comprising faculty, students, and staff.
- ➢ Conduct **annual sustainability audits and reports**.
- ➢ Set up a **monitoring system** for tracking progress in energy, waste, and water conservation.
- ➢ Recognize and reward **best sustainability practices** through awards and grants.

Signature

Principal
Chandubhai S Patel Institute of Technology

Signature

Registrar
CHARUSAT University