

Implementation and Actions Taken for the Maintenance of Green Policy in IIT Mandi Campus

IIT Mandi is committed to maintaining a clean, green, and environmentally sustainable campus through the effective implementation of its Green Campus Policy. The Institute integrates sustainability principles into campus planning, infrastructure development, resource management, and day-to-day operations to minimize environmental impact and promote ecological stewardship. The major initiatives undertaken are as follows:

1.) Energy Conservation and Renewable Energy

- Installation of a 0.5 MW grid-connected solar photovoltaic (PV) plant and planned expansion of rooftop solar capacity.
- Adoption of energy-efficient LED lighting across the campus.
- Smart energy metering for monitoring and optimizing electricity consumption.
- Deployment of energy-efficient HVAC systems and heat pump technology.
- Promotion of electric mobility through EV charging infrastructure.

2.) Water Conservation

- Rainwater harvesting structures integrated into campus infrastructure.
- Sewage Treatment Plants (STPs) for treatment and reuse of wastewater for horticulture and landscaping.
- Water-efficient plumbing fixtures and continuous monitoring to minimize water losses.
- Promotion of responsible water usage through awareness initiatives.

3.) Waste Management

- Segregation of waste at source into biodegradable, recyclable, and non-recyclable categories.
- Composting of biodegradable waste for use in campus landscaping.
- Scientific disposal of e-waste, hazardous waste, and biomedical waste through authorized agencies.
- Reduction of paper consumption through digital governance and e-office practices.

4.) Green Landscaping and Biodiversity Conservation

- Preservation of the natural landscape while developing campus infrastructure.
- Large-scale plantation drives using native and indigenous species.
- Protection of existing trees, green cover, and local biodiversity.
- Maintenance of landscaped gardens, green corridors, and open spaces to enhance ecological balance.

5.) Sustainable Construction Practices

- Adoption of environmentally responsible construction methods and materials.
- Mandatory implementation of construction safety and environmental protection measures.
- Dust suppression, construction waste management, and periodic environmental monitoring during project execution.
- Integration of energy-efficient and climate-responsive design principles in new infrastructure.

6.) Sustainable Transportation

- Promotion of electric vehicles and charging facilities.
- Development of pedestrian-friendly pathways and cycling infrastructure.
- Encouragement of shared transport and campus mobility solutions to reduce vehicular emissions.

7.) Plastic-Free and Clean Campus Initiatives

- Restriction on the use of single-use plastics across the campus.
- Awareness campaigns promoting reusable and eco-friendly alternatives.
- Regular cleanliness drives and maintenance of public spaces.

8.) Environmental Awareness and Community Participation

- Celebration of Environment Day, Earth Day, Energy Conservation Week, and other sustainability events.
- Awareness programmes, workshops, and campaigns for students, faculty, staff, and residents.
- Active participation of the campus community in plantation drives, cleanliness campaigns, and resource conservation initiatives.

9.) Monitoring and Continuous Improvement

- Periodic monitoring of energy, water, and waste management systems.
- Regular review of Green Campus initiatives for continual improvement.
- Compliance with statutory environmental regulations and institutional sustainability objectives.

Through these initiatives, IIT Mandi continues to strengthen its commitment to environmental sustainability by integrating resource conservation, renewable energy, biodiversity protection, responsible waste management, and community participation into all aspects of campus operations, thereby fostering a resilient, resource-efficient, and environmentally responsible Green Campus.