Environment and Energy Usage Policy

Promotes Environment Consciousness and Sustainability

POLICY No: APN/ 2020/7.2.1

INDEX

Vision

Empowerment through quality technical education

Mission

M1: To excel as a center of excellence in technical education

M2: To impart skill based education to meet the needs of industry and Society

M3: To achieve excellence in teaching, learning and research

M4: To inculcate social & ethical values among the students

Quality Policy

We strive to impart the quality technical education through academic excellence and provide best of facilities to satisfy the need & expectations of the students & stakeholders.

1. Policy Statement:

Ajeenkya D.Y. Patil School of Engineering takes great pride in being a part of sustainable environment. Optimal of use of available water resources, efficient management of solid and liquid waste, sustaining of variety of trees to maintain the biodiversity, Use of conventional and nonconventional energy resources and initiating towards paperless offices makes the campus unique. The provisions adhere to the National Environment Policy 2006.

2. Purpose

This policy will play an integral role as the Institution continues to develop an environmentally sustainable and economically viable campus that reflects the Institutional core values of engagement and accountability. The Institution is committed to preparing its students to become engaged environmental citizens on campus, in their own communities and throughout their lives. The Institution will educate the community and implement the best practices to improve the environmental footprint of the campus and its operations. Institution will strive for meeting the United Nations sustainable development goals.

3. Scope

- This policy applies to all the Stakeholders of the Institution, including students, faculty & Staff..

4. Objectives

- To implement Green and sustainable initiatives on campus
- Monitoring and reducing waste of all campus operations and activities.
- Foster a culture of sustainability awareness, action in the campus and community.
- To motivate the stake holders to adopt environment friendly practices to save electricity, water, using paper bags, banning plastic etc.

5. Practices:-

A. Green Clean Environment through managing solid, liquid & E – waste.
B. Water conservation
C. Energy use and conversation
D. Paperless operations
E. Landscaping with Trees and Plants
F. Ban on Single-Use Plastic
G. Air quality monitoring and General cleanliness
H. Environment awareness and training

6. Green Clean Environment through managing solid, liquid & E – waste.

1. Collection and handing over of solid waste generated in the campus and canteens to agencies that carry out its disposal in eco-friendly manner.
2. Setting up of Biogas Plant near canteen for biogas generation from biodegradable solid and liquid waste from canteen.

3. Fixing water saving faucets to save water.
4. Restricting entry of Automobiles in the Technical Campus and allowing only those vehicles which have PUC.
5. Installing electrical charging station for two and four wheeled vehicles.
6. Carrying out E waste and plastic waste disposal as per the green practices.
7. Banning single use plastics in the Technical Campus.

7. Water Conservation.
1. Installation of Roof top water harvesting system over the terraces of the buildings in the campus.
2. Efficient working of the Sewage Treatment Plant (STP) in the campus.
3. Use of treated water of Sewage Treatment Plant (STP) for gardening and vegetation purposes to conserve available water resources in the campus.
4. Rain-water conservation through rainwater harvesting. The rain water from the roof top outlets is carried through the well-connected pipelines to the wells or is collected in the large water harvesting tanks and is discharged through the soak-pits for ground water recharge.
5. Recharging available reservoir. The campus is provided with a natural slope, the storm water accumulated is effectively discharged through the natural slope in the available reservoir recharging it.

8. Energy use and Conservation.
1. Installation of Grid connected Roof top solar panels for reducing the carbon footprints.
2. Energy efficient product like LED fittings etc
3. Sensor based lighting in the premises
4. Wheeling of Grid
5. Lights and fans shall be switched off when they are not in use.
6. Electrical equipment's shall be unplugged soon after the usage.
7. Artificial lighting and ventilation should be used under unavoidable conditions.
8. Existing electrical equipment's shall be replaced with energy efficient equipment's in the phased manner.
9. Existing incandescent bulbs shall be replaced with LED bulbs and tube lights in the phased manner.
10. Energy auditing on yearly basis.
11. Adopt Suitable measures shall be adopted in order to continuously improve energy conservation.

9. Paperless Operations
1. Promote the concept of Paperless office and advocate its benefits in reducing the paper waste.
2. Use of both sides of paper for writing in case its use becomes inevitable.
3. Switch to digital library in the Technical campus.

10. **Landscaping with Trees and Plants**
1. Promote environmental activities.
2. Gardeners and full time adequate support staff have been appointed for the maintenance of gardens and keeping the campus litter-free.
3. The tree-plantation drives are undertaken by the NSS and NCC Units of the college on regular basis.

11. **Ban on Single-Use Plastic**
1. A complete ban on single-use plastics in classrooms, laboratories, canteen, hostel, and in the other premises.
2. Facilitates environment friendly substitutes like stainless steel, washable and reusable tumblers at all water units and mandates the canteen to serve only in stainless steel or paper plates/glasses/cups to systematically ban the use of plastics on the campus.

12 Air quality monitoring and General cleanliness

1. To educate workers collecting fallen dry tree leaves in the Campus to avoid its disposal by temptation of burning.
2. To utilise dry tree leaves collected for composting in the ditches, dug in the free area of the campus for generating manure in house.
3. To make Technical campus tobacco free and No smoking area.
4. To carry out maximum tree plantation for carbon sequestration.

13 Environment awareness and training

1. To celebrate Environment day by taking out student rallies, Poster competition, preparation and presentation of skit on environment awareness and climate change etc.
2. To organise symposiums and workshop for faculty and students to get into interactive sessions for understanding the environment and Green building best practices.
3. To ask Canteen staff to serve only half glass of water initially to prevent wastage of water in the canteen.
4. To promote the environment the guests are felicitated with saplings.
5. Every month tree plantation is carried out as birthday celebration of the stakeholders of that month.
6. Training sessions to educate staff and students about the concept of Environment impact and develop habits to minimise these impact at individual's level.
7. To take continuous feedback from the staff and students on implementation of Green practices in the Technical campus.
8. To run short term courses on environmental studies for all students,

Policy Details:

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7.2.1	Dr. Sushant Patil		-	Dr. Pallavi Kharat

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Reviewed by
Principal/IQAC

Recommended by
Director-TC

Approved by
Trustee