

# ENVIRONMENTAL & ENERGY USAGE POLICY

DR. D.Y. PATIL PRATISTHAN'S COLLEGE OF ENGINEERING SALOKHENAGAR, KOLHAPUR

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Saving our planet, lifting people out of poverty, advancing economic growth... these are one and the same fight. We must connect the dots between climate change, water scarcity, energy shortages, global health, food security and women's empowerment. Solutions to one problem must be solutions for all

"The environment is home to countless living things. Its beauty is unparalleled. We must do everything we can to protect it."

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DYP Salokhenagar, Kolhapur administration has already taken a step towards the green approach and conducted various initiatives towards environment in the year 2022-2023. As an outcome of this institute has taken green steps to reduce the environmental burden by several means in campus and off campus.

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## Impact Snapshot



Trees Planted



Initiatives



Out of campus activities

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## Summary

Tree Plantation at Kalamba Lake

Plastic awareness street play

Single use plastic ban in campus

# Document for Environmental & Energy Usage Policy

## **Scope of Policy:**

The scope of this policy is to establish guidelines and procedures for managing the environmental impact of Dr. D.Y. Paratisthan's College of Engineering, Salokhenagar campus. The policy aims to reduce the carbon footprint of the campus, conserve natural resources, and promote sustainable practices.

## **The focus area of this policy is:**

- Clean Campus Initiatives
- Landscaping Initiatives
- Initiatives to improve Air Quality
- Energy Conservation Measures
- Water Management Process
- Disabled-friendly, barrier-free environment

## **Objectives of the policy:**

- ·To promote sustainable landscaping practices on campus that reduces the environmental impact of the institution and creates a sustainable campus environment.
  - ·To reduce air pollution on campus and create a healthy and safe campus environment.
  - ·To raise awareness among students and staff about the importance of clean air and promote sustainable practices.
  - ·To promote energy efficiency among students, faculty, and staff & Reduce energy consumption on campus.
  - ·To promote sustainable water management practices on campus that conserves water resources and reduce water consumption.
  - ·To create a barrier-free environment on campus that enables access for students, faculty, and staff with disabilities.
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# Clean Campus Initiatives:

The policy focuses on promoting a clean campus by implementing measures such as regular cleaning, proper waste disposal, onsite waste segregation and maintaining cleanliness standards in all areas of the campus. This involves providing waste disposal facilities, regular cleaning of campus premises, and creating awareness among students, faculty, and staff about the importance of maintaining a clean and healthy environment. The goal of these initiatives is to create a clean and healthy campus environment that promotes well-being and productivity.

The policy aims to align the institution's initiatives with the Swachh Bharat Abhiyan, a national cleanliness campaign launched by the Government of India. This involves organizing regular cleanliness drives on campus, promoting waste segregation and disposal, and creating awareness about the importance of maintaining a clean environment. The goal of these initiatives is to promote a clean and hygienic environment on campus and contribute to the national cleanliness campaign.

The policy encourages the institution to collaborate with the National Service Scheme (NSS) and organize cleanliness drives in nearby rural areas. This involves mobilizing students, faculty, and staff to participate in cleaning activities, promoting waste segregation and disposal, and creating awareness about the importance of maintaining a clean environment. The goal of these initiatives is to contribute to the cleanliness of nearby rural areas and promote a culture of social responsibility among students.

The policy promotes the celebration of various environmental days such as World Environment Day, Earth Day, and World Water Day. This involves organizing events, seminars, and awareness campaigns to promote environmental awareness and encourage sustainable practices among students, faculty, and staff. The goal of these initiatives is to create a culture of environmental awareness and promote sustainable practices on campus.

The policy emphasizes the importance of tree plantation on campus by promoting the planting of trees, maintaining gardens and green spaces, and encouraging sustainable landscaping practices. This involves organizing tree plantation drives, using native plants and trees, and promoting sustainable landscaping practices. The goal of these initiatives is to create a green and healthy campus environment, reduce pollution, and enhance the aesthetic appeal of the campus.

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The policy encourages the institution to reduce paper usage by promoting digital documentation and communication, using electronic modes of communication, and minimizing printing. This involves promoting the use of electronic documents, email communication, and online portals to reduce paper usage. The goal of these initiatives is to promote sustainability, reduce the environmental impact of the institution, and create a culture of environmental awareness among students and staff.

### **Landscaping Initiatives:**

The policy emphasizes the importance of landscaping and greenery on campus by promoting tree plantation, creating green spaces, and maintaining gardens and other natural areas. This involves designing the campus landscape to maximize green cover, using native plants and trees, and promoting sustainable landscaping practices. The goal of these initiatives is to create a healthy and green campus environment that promotes biodiversity, reduces pollution, and enhances the aesthetic appeal of the campus. Also, this helps in reducing the carbon footprint of the campus as tree species planted have high carbon sequestration value.

The policy encourages the institution to organize tree plantation drives both within and outside the college campus. This involves mobilizing students, faculty, and staff to participate in the plantation drives, identifying suitable locations for plantation, and using native plants and trees for plantation. The goal of these initiatives is to promote a green and healthy environment, enhance biodiversity, and mitigate the impacts of climate change.

The policy emphasizes the importance of sustainable landscaping practices on campus. This involves using eco-friendly landscaping materials, minimizing the use of water and fertilizers, and promoting organic landscaping practices. The goal of these initiatives is to create a sustainable and aesthetically appealing campus environment that enhances the well-being of the campus community.

The policy encourages the creation of green spaces on campus by maintaining gardens, parks, and open spaces. This involves designing and maintaining green spaces to promote biodiversity, reduce pollution, and enhance the aesthetic appeal of the campus. The goal of these initiatives is to create a green and healthy environment that promotes well-being and productivity.

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### **Initiatives to improve Air Quality:**

The policy aims to promote clean air on campus by reducing air pollution and promoting sustainable transportation practices. This involves implementing measures such as promoting the use of public transportation, creating bike lanes and pedestrian walkways, celebrating No Vehicle Day, restricting the entry of automobiles, and encouraging the use of bicycles and battery-powered vehicles. The goal of these initiatives is to reduce the environmental impact of the institution, create a healthy and safe campus environment, promote sustainable transportation practices, and raise awareness among students and staff about the importance of clean air. By implementing these initiatives, the institution aims to create a sustainable and healthy campus environment that enhances the well-being of the campus community. Also helps to maintain the AQI.

### **Energy Conservation Measures:**

The policy emphasizes the importance of energy conservation on campus by promoting energy-efficient practices and reducing energy consumption. This involves implementing measures such as using energy-efficient lighting, sensor-based lighting systems, maximizing the use of daylight by proper aspect and prospects of buildings and window placement , optimizing the use of air conditioning systems by setup of star rated equipment's that save energy consumption, promoting the use of renewable energy sources, and conducting energy audits to identify areas of high energy consumption. The goal of these initiatives is to reduce the environmental impact of the institution, create a sustainable campus environment, and reduce energy costs.

The policy encourages the institution to promote the use of renewable energy sources on campus. The goal of these initiatives is to reduce the carbon footprint of the institution and create a sustainable campus environment. The policy encourages the implementation of energy management systems on campus. This involves conducting energy audits, monitoring energy consumption, and implementing energy-efficient practices to reduce energy consumption. The policy promotes awareness among students, faculty, and staff about the importance of energy conservation. This involves organizing awareness campaigns, seminars, and workshops to promote sustainable energy practices and encourage behavior change.

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Institute encourages maximizing the use of natural light by designing buildings with large windows and skylights, and promoting energy-efficient practices such as turning off lights and electrical devices when not in use. The institution also provides clear instructions to students, faculty, and staff to avoid unnecessary use of electricity, switch off lights and other electrical devices when not in use, and to conserve energy. The goal of these initiatives is to reduce energy consumption, promote energy efficiency, and create a sustainable and environmentally responsible campus environment. By implementing these initiatives, the institution aims to create a sustainable and energy-efficient campus environment that enhances the well-being of the campus community.

### **Water Management Process:**

The policy aims to manage wastewater on campus by implementing practices such as rainwater harvesting, treating wastewater, promoting water conservation measures, solid waste management, liquid waste management, and e-waste management. This involves implementing a wastewater management system that minimizes the release of wastewater into the environment and promotes the recycling and reuse of water. Additionally, the policy focuses on reducing the generation of solid waste by promoting the segregation and proper disposal of waste, implementing measures to recycle and compost waste, and promoting the reduction of e-waste on campus. The goal of these initiatives is to reduce water consumption, conserve water resources, promote sustainable waste management practices, and create a sustainable water management system on campus. By implementing these initiatives, the institution aims to create a sustainable and environmentally responsible campus environment.

### **Disabled-friendly, barrier-free environment:**

The policy aims to create a barrier-free environment on campus to enable access for students, faculty, and staff with disabilities. This includes providing ramp facilities, accessible toilet facilities, and other accessibility features to ensure that disabled students can navigate the campus independently. Additionally, the policy encourages the creation of an inclusive campus environment that promotes diversity and supports the needs of all students. By implementing these measures, the institution aims to promote inclusivity, diversity, and accessibility on campus.

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# CERTIFICATE

## OF APPRECIATION

THIS CERTIFICATE IS AWARDED TO  
DR. D.Y. PATIL PRATISTHAN'S COLLEGE OF  
ENGINEERING SALOKHENAGAR, KOLHAPUR

For Development of Environmental Policy for the Academic year  
2022-2023



**ENVIRONMENTAL & CIVIL  
ENGINEERING SOLUTIONS**  
ISO 9001: 2015, IEC 17025: 2017



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Thank you