



MOTHER THERESA INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

(SPONSORED BY THERESA SAMUEL GEORGE SOCIETY)

Approved by PCI & AICTE, New Delhi. Affiliated to JNTU Anantapur

46/1-N-3, George Avenue, A-Camp, Joharapuram Road,
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The Green Campus, Energy and Environment Policy

Since 2018, the MIPER has always had sustainable initiatives at the core of all activities. 10 % of the one-acre lush campus. The rest of the campus can be categorized as playgrounds, lawns and gardens. A huge area is left in its natural form and acts as a natural habitat for biodiversity and a large variety of species of grasses, herbs, shrubs

Scope of the Policy

The policies related to Green Campus, Energy, and Environment strive to encourage creative co-curricular and extracurricular engagements, inspiring students to take the lead in bringing about positive changes. Implementing these initiatives requires a thorough assessment of all infrastructural and administrative functions, with a focus on energy efficiency, sustainability, and environmental factors.

The focus areas of this policy are:

- Clean Campus Initiatives
- Landscaping Initiatives
- Clean Air Initiatives
 - ◆ Smoking Free Campus
- Infrastructure
 - ◆ Solar Power Plant
 - ◆ Installation of Energy Efficiency Equipment
 - ◆ Water Conservation through Rainwater Harvesting System
- Waste Management processes
 - ◆ Solid Waste Management
 - ◆ Liquid Waste Management
 - ◆ E-Waste Management





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- Awareness Initiatives
- Environment-centric Student Societies and Department Activities
- Green Audit
- Energy Audit
- Plastic-Free Campus

Policy Objectives:

- Safeguard and preserve ecological systems and resources within the campus.
- Ensure the prudent utilization of environmental resources to fulfill the needs and aspirations of both current and future generations.
- Integrate environmental considerations into policies, plans, and programs for social development and outreach activities.
- Collaborate with all stakeholders and the local community to enhance awareness and advocate the adoption of environmentally sound practices, minimizing any adverse effects on the environment.
- Continuously enhance our commitment to climate protection, adaptation to climate change, and the conservation of global resources.
- Continuously enhance the efficient utilization of all resources, encompassing energy and water, while reducing consumption and waste generation, with an emphasis on recovering and recycling waste where feasible.
- Establish a plastic – free campus.
- To conduct environmental and energy audits from time to time.
- To minimize the use of paper in administration through having policy for e-governance.




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Policy:

Clean Campus Initiatives

MIPER had pledged to actively harmonize cleanliness activities in the college and outside the campus in accord with the vision of Swachh Bharat Abhiyan. It constrains to continue with this Programme. The broad vision is as follows:

1. Creating awareness on cleanliness and hygiene among students and staff members by holding regular cleanliness drives.
2. Activities under 'Swachh Bharat Abhiyan' will be a key component of all the community work being done by NSS, NCC and Green Society volunteers of the college.
3. Faculty will be invigorated to participate in the cleanliness drives in and around the college campus.
4. Conduct workshops on the 3Rs: Reduce, reusing and recycling of waste.
5. Events such as poster and slogan competitions, essay writing, speeches, skits on 'Swachh Bharat' will be structured.
6. Rallies on themes connected with 'Swachh Bharat Abhiyan' in and around the college campus will be conducted to create awareness.
7. Pledge by students and staff and non-teaching staff members to maintain cleanliness of the college campus and its surrounding areas on an yearly basis.
8. Commit to manage waste and maintain clean campus especially during college events.





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Landscaping Initiatives

The campus landscape, like its buildings, can be seen as the physical embodiment of a college's values. It is a vital part of the life of a campus, providing space for study, play, outdoor events, relaxation and artistic appreciation. Green campus landscapes also manage runoff, help recharge groundwater, and clean and cool the air on campus. The landscape serves as a visual depiction of the campus community's assurance to sustainability. As campus landscapes are so visible and accessible, landscaping initiatives are a great way to build awareness around the environment.

There are more than 100 trees and more than 100 shrubs on campus along with 1.0 acre of grass cover. The landscape of trees and plants provide the 400 plus students and staff with clean and cool air and is a soothing environment.

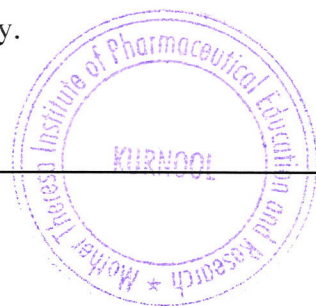
The diverse green cover of MIPER is also home to a number of animals and rare birds across at least 24 species, creating a campus rich in biodiversity. The college commits to enriching this healthy habitat and maintaining the symbiotic relation of the institution with nature by

- Organizing annual tree plantation drives
- Encouraging student societies to hold tree planting events

Clean Air Initiatives

We encourage our students and staff to practice public transportation. We encourage carpooling to college, an activity that will control air pollution and strengthen social interaction. The entry of automobiles inside the campus is restricted to discourage the use of private vehicles.

Our campus is also located in heart of the city (A Camp) and most of the students, faculty and non-teaching faculty need not cover long distance to reach college. Few of our students come to college on regular basis on bicycles. The abundant natural landscape not only cleans the air on campus but also becomes an extension of the green lungs of the city.





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◆ Smoking Free Campus

In compliance with the framework provided by the National Tobacco Control Programme (NTCP) 2007-2008, the college prohibits smoking and the use of other tobacco products. As a step in this direction, smoking and use of tobacco in and around the campus is strictly prohibited. The anti-smoking committee of the college ensures enforcement of the anti-smoking policy.

Infrastructural Initiatives

◆ Renewable Sources of Energy

MIPER is dedicated to minimize and sustainably manage its use of electricity. The college believes in reducing the consumption of electricity produced by non-renewable resources by switching to clean energy sources like solar energy for purposes like lighting the campus.

◆ Energy Saving and Energy Efficient Equipment

We commit to install environment-friendly electrical appliances that save energy and reduce wasteful inefficiencies. The college believes in using cleaner energy such as LED lighting.

◆ Water Conservation through Rainwater Harvesting System

MIPER has committed itself to this effort to replenish the groundwater table by practicing rainwater harvesting. This practice helps in the replenishment and recharge of the groundwater.





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Waste Management Processes

MIPER strives to have a minimal impact on the environment and is dedicated to reduce and manage the waste generated by the college campus. The following specific procedures will be undertaken to ensure MIPER's contribution in protecting the environment.

◆ Solid Waste Management

With its aim to provide holistic education that also has a positive impact on the environment, the college will adopt practices that will mitigate the generation, and manage solid wastethrough the followingmethods:

- Systematically engage with the 3Rs of environment friendliness (Reduce, Reuse and Recycle).
- Collect paper waste produced on campus and collaborate withscrap dealers for recycling.
- Reduce solid waste by developing a technology-centric teaching and administrative model.
- Reduce use of paper by supporting digitization of attendanceand internal assessment records.
- Reduce requirement of printed books by updating the e-booksand e-journals collection of the college library.
- Encourage the students and teachers to use emails forassignment submissions.





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- Take initiatives to spread awareness amongst students about
 - ✓ Food wastage and ways of minimizing it
 - ✓ Minimizing the use of packaged food
 - ✓ The habit of reusing and recycling non-biodegradable products
 - ✓ Organizing workshops for students on solid waste management.

◆ Liquid Waste Management

- Maintain leak proof water fixtures.
- Minimize the use of water by constructing more Indian style toilets
Instead of western style toilets.
- Continued employment of a caretaker to take immediate steps to stop any water leakage through taps, pipes, tanks, toilet flush etc.
- Prevention of release and mixing of oil from the college canteen
liquid waste in the municipal drainage system by use of Grease trap
mechanism. This way the Biochemical Oxygen Demand is reduced in the effluent waste
water produced by the MIPER canteen.
- Reuse of wastewater generated by the Reverse Osmosis (RO) system
in washrooms.





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◆ E-Waste Management

MIPER ensures that its usage of technology and generation of e-waste does not impact the environment. For this purpose, the college plans to strive towards:

- More provisions for the disposal of the institutional e-waste.
- Collaboration with e-waste recycling companies to get electronic waste recycled.
- Awareness amongst students about reduction of e-waste and environment friendly disposal practices for e-waste.
- Encouraging department and society level activities pertaining to e-waste management.

Awareness Initiatives

Promoting outreach and education is crucial to ensure that every member of the campus community appreciates the policy objectives and actively contributes to their realization. Hence, MIPER advocates and supports awareness campaigns, seminars, workshops, conferences, and other interactive sessions to facilitate the effective implementation of the Green Campus, Energy, and Environment policies.

Environment-centric Student Societies and Department Activities

MIPER urges various departments and student societies, such as the Green Society, NSS, NCC, and others, to coordinate events, competitions, and training sessions aimed at instigating positive environmental transformations at the grassroots level. The college actively backs these initiatives, supporting departments and student societies in shaping students into proactive advocates for environmental protection and conservation.





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◆ Green Society

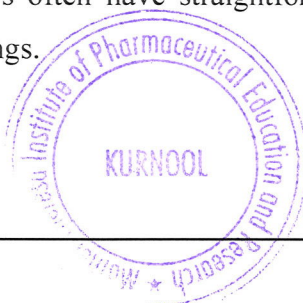
Institutional shifts towards sustainability and eco-friendly practices have influenced students, resulting in an increased participation in the Green Society. Making the society mandatory would offer a broader platform to disseminate the institution's environmental values and promote awareness. Mandatory participation in societies entails a specified commitment of time and effort, fostering exponential growth in the green initiatives and practices outlined in this policy.

Conduct Green Audit

The college is committed to conducting regular Green Audits of our campus to evaluate our strengths and weaknesses, advancing our objectives of long-term sustainability. A Green Audit serves as a valuable tool for identifying patterns in energy, water, and resource usage, enabling the college to strategize changes and achieve savings. By determining the type and volume of waste, the college can implement recycling projects or waste minimization plans. This process fosters awareness of health and environmental values and ethics, offering insight into the impact of eco-friendly practices on campus. Green auditing not only facilitates financial savings through reduced resource consumption but is also essential for the college to assess its own contributions to a sustainable future.

Conduct Energy Audit

An Energy Audit will be carried out as needed to continually diminish the college's carbon footprint. The significance of curtailing energy consumption cannot be emphasized enough. The energy audit, utilizing specialized tools, will pinpoint energy wastage. Such assessments frequently uncover various inefficiencies leading to substantial energy losses that may go unnoticed by the college. These flaws often have straightforward and cost-effective remedies, offering notable opportunities for savings.





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Plastic-Free Campus

MIPER has consistently fulfilled its responsibilities regarding solid waste management since its establishment. The relentless and widespread use of plastic has emerged as a grave menace, posing significant threats to our environment, wildlife, and human health. The convenience offered by plastic products is overshadowed by the lasting impact of their persistence in ecosystems. Single-use plastics, in particular, contribute to the accumulation of non-biodegradable waste, polluting oceans, rivers, and terrestrial environments. The decomposition of plastic releases harmful chemicals, leading to soil degradation and water contamination. Additionally, marine life often falls victim to plastic ingestion or entanglement, disrupting ecosystems and endangering species. In alignment with the Government of India's directive to prohibit all single-use plastics owing to their detrimental effects on the environment, the college administration enforces a strict ban on the use of single-use plastics within its premises, striving to establish a 'Plastic-Free Campus.'




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