



Environment and Energy Policy

Situated in the lush green and fertile lands of upper Kuttannadu region, T. K. Madhava Memorial College has a long and enduring relationship with nature. 25 % of the 25-acre lush campus is occupied by buildings, the rest of the campus are categorized as playgrounds, quadrangles, 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 and trees. Hence, TKMMC places a huge impetus on initiatives to promote a positive attitude towards sustainable development and encourages its members to adopt an eco-friendly lifestyle and construct an environment congenial to a healthy living for the future generations. The College adheres to the GREEN PROTOCOL advocated by the Government of Kerala to collaborate with Swatch Bharath Abhiyan. The college pays considerable attention to minimize the production of waste in the campus and thereby advice the officials administering various programmes/ activities/celebrations to restrain from using disposable products and flex banners.

Scope of the Policy

The Environment, Energy and Green Campus Policies will encourage students to take the lead in creating positive change towards nature and to instil and spread awareness among themselves and the society for protecting and nurturing our resources. These initiatives call for a thorough review of all infrastructural, administrative functions from the standpoints of energy efficiency, sustainability and the environment.

Objectives of the Policy

- To integrate environmental concerns into policies, plans and programmes for social development and outreach activities.
- To protect and conserve ecological systems and resources within the campus.

- To work with all stakeholders and the local community to raise awareness and seek the adoption of environmental good practice and the reduction of any adverse effects on the environment.
- To continuously improve the efficient use of all resources, including energy and water, and to reduce consumption and the amount of waste produced, recovering and recycling waste where possible.
- To make the campus plastic free.
- To conduct environmental and energy audits from time to time.
- To minimize the use of paper in administration through having policy for E governance.

Policy

➤ **Waste Management processes**

The college strives to have a minimal impact on the environment and is dedicated to reduce and manage the waste generated by the college campus.

Solid Waste Management: With its aim to provide holistic education that also has a positive impact on the environment, the college adopt practices that will lessen the generation, and manage solid waste through the following methods:

- Systematically engage with the 4Rs of environment friendliness (Refuse, Reduce, Reuse and Recycle).
- Collect paper waste produced on campus and collaborate with scrap dealers for recycling.
- Reduce solid waste by developing a technology centric teaching and administrative model.
- Reduce use of paper by supporting digitization of attendance and internal assessment records.

- Reduce requirement of printed books by updating the e books and e journals collection of the college library.
- Encourage the students and teachers to use emails for assignment submissions.
- Take initiatives to spread awareness amongst students about
- Food wastage and ways of minimizing it
- Minimizing the use of packaged food
- Use of sanitary napkin incinerator for eco-friendly disposal.

➤ **Liquid Waste Management**

- Water leaks, dripping faucets and fixtures that do not shut off should be reported.
- Rain-water harvesting implemented. The institution has a good storage of ground water, drinking water and water for cleaning purpose.
- Minimize the use of water by constructing more Indian style toilets instead of western style toilets.
- Reuse old water bottles or purchase water bottles that one can refill instead of discarding a new bottle after single use.

➤ **E-Waste Management**

- 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.
- Provisions for the disposal of the institutional e-waste.

➤ **Clean Air Initiatives**

- Encouraging our students and staff to use public transportation. To carpool 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.
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- Smoking and use of tobacco in and around the campus is strictly prohibited.

➤ **Landscaping Initiatives**

As the college is situated in a waterlogged area, the shrubbery landscapes manage runoff, help recharge groundwater, and clean and cool the air on campus. The landscape of trees and plants provide the 1200+ students and staff with clean and cool air and is a soothing environment. The diverse green cover of TKMMC is also home to a number of animals and rare birds, 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:

- Annual tree plantation drive on World Environmental Day
- Encouraging student societies to hold tree planting events and to ensure its maintainence.

➤ **Infrastructure**

- Solar Power Plant
- Installation of Energy Efficiency Equipment
- Water Conservation through Rainwater Harvesting System
- The College has a policy on recycling to be put into practice at the student level through NSS via Awareness Initiatives and other Environment-centric Student Societies and Department Activities
- Promotes farming of organic vegetables on and off the campus.
- Supports and protects diversity, especially of indigenous and coastal flora and fauna and also work for their documentation.
- Mandatory credit course on environmental studies for all courses for continuously generating awareness on environment and sustainability in young people.
- Conducts Green Audit and Energy Audit regularly
- Plastic Neutral Campus

No conservation/sustainable program will be successful if progress is not monitored on a continuing basis. Meter readings can be used to track utility consumption, and the data can be used to locate problem areas as well as determine if conservation goals are being met. The college currently has most of its campus buildings metered for electric consumption. We consider this an important initiative since this will enhance our ability to measure progress in our conservation/operational efforts.