



AMAL COLLEGE
OF ADVANCED STUDIES

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Myladi, Eranhimangad Po, Nilambur – 679329

Aided by Govt. of Kerala & affiliated to the University of Calicut

NAAC Accredited with A Grade (3.11 CGPA)

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WASTE MANAGEMENT POLICY OF THE INSTITUTION



Introduction

Amal College of Advanced Studies is committed to fostering a sustainable and environmentally conscious campus community. Recognizing the importance of responsible waste management in contributing to a cleaner and healthier environment, the college has implemented a comprehensive Waste Management Policy. Our waste management policy is designed to address various aspects of waste generation, collection, and disposal on the campus. By adhering to this policy, we aim to minimize our ecological footprint and instill a culture of environmental responsibility among our students, staff, and the broader community.

At Amal College of Advanced studies, we recognize the critical role that responsible waste management plays in shaping a sustainable future. Committed to environmental stewardship, we have developed and implemented a comprehensive Waste Management Policy that underscores our dedication to minimizing our ecological impact and fostering a culture of sustainability within our educational community. It actively promotes recycling initiatives, encouraging students, faculty, and staff to participate in programs that contribute to the responsible handling of recyclable materials. Through strategic partnerships with recycling facilities, we ensure that our recyclables are processed in an environmentally friendly manner. We believe that education is pivotal in fostering a culture of sustainability. To this end the institution conducts awareness campaigns and educational programs to inform our community about the significance of responsible waste management. Training initiatives are implemented to empower everyone to contribute actively to our collective environmental goals.

As we embark on this journey towards a greener and more sustainable future, Amal college remains steadfast in its commitment to effective waste management. This policy reflects our dedication to creating an eco-friendly educational environment that prepares our students to be responsible global citizens. The purpose of the policy is to facilitate implementation of the action plan brought out in “National Environment Policy 2006” on management aspects of hazardous waste including their minimization, environmentally sound management and active promotion of transfer and use of cleaner technologies

Objectives of the Policy

- To ensure that waste management is performed in accordance with all waste legislative requirements, including the duty of care, and to plan for future legislative changes and to mitigate their effects.
- To minimize waste generation at source and facilitate repair, reuse and recycling over the disposal of wastes in a cost effective manner.
- To provide clearly defined roles and responsibilities to identify and co-ordinate each activity of the waste management.
- To promote environmental awareness in order to increase and encourage waste minimization, reuse and recycling.
- To invest into the expansion of recycling opportunities on the College campus and transform waste into value added products.
- To ensure the safe handling and storage of wastes on College campus.
- To provide appropriate training for teacher, resident, staff, students and other stakeholders on waste management issues.
- To promote holistic approach of waste management in the campus.

Policy Statements

The College adopted the principles of the ‘best practicable environmental option’ in the delivery of its waste management services. The college has a well defined policy for waste management and keeping the campus clean. Our slogan is “waste to wealth” (WtW). The college is following a policy for the management of wastes produced in the campus. The waste management policy of the institution classified on the basis of the type of wastes as follows:

Solid Waste

- Dust bins are kept at appropriate places in the college campus for the collection of degradable and non-degradable wastes.
- Incinerator is installed in the campus for the disposal of litters and sanitary napkins.
- Disposable plates and glasses are banned in the campus.

- Banners and cut outs prepared in polymeric materials are banned in the campus, instead use of banners made of paper or cloth is allowed during various functions in the college.
- All the organic wastes particularly food wastes are disposed by using the bio gas plant.
- It is in fact anaerobic digestion. Hence all the organic wastes generated in the campus are converted to energy and fertilizers.
- The same fertilizers are used in our fruit garden, vegetable garden and garden.

Plastic waste

Plastic wastes are collected through separate drums, cleaned and given to the Haritha Karma Sena of the local self government, constituted by the Govt. of Kerala.

E-Waste

The E-wastes generated are collected and stored in separate rooms. After removing the functional components, the E-wastes are sold to local vendors who are licensed for the collection of such wastes.

Liquid waste

Waste water from the Canteen and other hand wash areas are collected to a common leach pit so that the used water get filtered naturally and seeps into the ground. The waste water from the hostel is collected, recycled and used for irrigation purposes.

Organic Waste

All the organic wastes particularly food wastes are disposed by using the biogas plant. It is in fact anaerobic digestion. Hence all the organic wastes generated in the campus are converted to energy and fertilizers. The same fertilizer is used in our fruit garden, garden and vegetable garden compliance with all waste legislations. The College requires all the teaching and non-teaching staff, students, guests and anyone else making use of the premises to comply with this Policy and associated “Green Protocol Committee” to ensure.

Inorganic Wastes

The institution has a policy in managing the inorganic wastes. The college has an incinerator, through which litters are burnt. The amount of litters produced is minimized by awareness programs, and the carbon di oxide disposal is minimized. Plastic wastes which are less at the

campus are collected, through separate drums, cleaned, and given to the harithakarmma sena of the Chaliyar gramapanchayath.

The college has a waste water recycling system, the water thus recycled is used for gardening. Any solid waste generated in the campus shall be managed and handled in accordance with the compliance criteria and the procedure laid down in the campus and Panchayath. Pen boxes are kept inside the campus in every department to collect the used pens. The institution insists on keeping or disposing hazardous waste of any type to comply with the various regulations under national and international environmental protection legislation

Scope of the Policy

Implementing a waste management policy in a higher education institution can have a significant positive impact on the environment, the campus community, and the institution itself. The scope of a waste management policy in the institution can encompass various aspects and initiatives:

Waste Reduction and Prevention:

- Implementing strategies to reduce waste generation through education and awareness campaigns.
- Encouraging the use of reusable items and discouraging single-use plastics.
- Promoting sustainable practices such as double-sided printing and electronic communication to minimize paper waste.

Waste Segregation:

- Establishing a comprehensive waste segregation system with clearly labeled bins for different types of waste (e.g., recyclables, non-recyclables, organic waste).
- Providing education and training to students, faculty, and staff on proper waste segregation practices.

Composting Initiatives:

- Implementing composting programs for organic waste, such as food scraps and yard waste, to create nutrient-rich compost for landscaping or community gardens.
- Educating the campus community on the benefits of composting and providing resources for composting on-site.

Electronic Waste Management:

- Encouraging responsible electronics purchasing and promoting the reuse or donation of functional electronic devices.

Collaboration and Partnerships:

- Collaborating with local communities, businesses, and organizations to enhance waste management efforts.

The Process of Policy Formation

The process of waste management policy formation in a higher education institution involves several key steps. Developing and implementing an effective waste management policy is essential for promoting sustainability, reducing environmental impact, and fostering a culture of responsible resource management.

Advisory Board

1. Principal- Chairman
2. IQAC Coordinator
3. Natural Club Coordinator
4. Bhoomithrasena Coordinator
5. NSS Program Officers
6. Criteria 7 team members
7. Two outside expert (to be nominated by the Principal)

Function of Advisory Board

- ✓ Coordinating the provision of a central waste and recycling contract service for use by all facilities on the campus.
- ✓ Ensuring that all contractors are advised that they must comply with the Duty of Care that they must comply with the College's Waste Management Policy.
- ✓ Ensuring that all contractors appointed to carry out works are authorized

The Advisory Board is responsible for:

- Provision of advice and guidance to the College on waste management.
- Setting Environmental Performance Indicators for waste management.

- Conducting Environment, Energy and Green audit regularly.
- Monitoring and auditing the management systems for all wastes to ensure safety.
- Monitoring and auditing all waste contractors working for the College.
- Provision of appropriate training for all personnel who have responsibilities for waste management.
- Coordinating the gathering of, and supplying all relevant information to appropriate enforcement agencies, when information relating to waste management is requested.

Action Plan

Solid Waste Management Policy:

- Develop and implement a comprehensive Solid Waste Management Policy for the college, outlining guidelines for waste segregation, collection, disposal, and recycling.
- Ensure compliance with local waste management regulations and standards.
- Establish a "Green Protocol Committee" responsible for overseeing the implementation of the policy.

Placement of Dust Bins:

- Strategically place dust bins at appropriate locations throughout the college campus for the separate collection of degradable and non-degradable wastes.
- Clearly label bins for easy identification and segregation of waste.

Incinerator Usage:

- Regularly maintain and monitor the incinerator for proper disposal of litters and sanitary napkins.
- Conduct awareness programs to educate the college community on the correct use of the incinerator.

Ban on Disposable Plates, Glasses, and Polymeric Materials:

- Enforce the ban on disposable plates and glasses in the campus.
- Strictly prohibit the use of polymeric materials for banners and cut-outs during college functions.

- Promote the use of environmentally friendly alternatives such as paper or cloth for banners.

Organic Waste Management:

- Operate and maintain the bio gas plant for the anaerobic digestion of organic wastes, converting them into energy and fertilizers.
- Utilize the produced fertilizers in the college's fruit garden, vegetable garden, and general landscaping.

Plastic Waste Management:

- Implement a system for the separate collection of plastic wastes.
- Coordinate with the local Haritha Karma Sena for proper disposal and recycling of plastic wastes.

E-Waste Management:

- Establish designated storage rooms for collecting and storing electronic wastes.
- Remove functional components before selling e-wastes to licensed local vendors.

Liquid Waste Management:

- Direct waste water from canteens and hand wash areas to a common leach pit for natural filtration.
- Recycle and reuse waste water from hostels for irrigation purposes.

Inorganic Waste Management:

- Minimize litter production through awareness programs.
- Utilize the incinerator for the proper disposal of litters.
- Collect and deliver plastic wastes to Haritha Karma Sena for recycling.

Hazardous Waste Management:

- Implement a system for the collection and proper disposal of hazardous waste.
- Ensure compliance with national and international environmental protection legislation.

Pen Box Initiative:

- Install pen boxes in every department to collect used pens for recycling or safe disposal.

Compliance and Training:

- Conduct regular training sessions for staff, students, and other stakeholders on waste management practices and the importance of compliance.
- Regularly update and review the waste management policy to align with changing regulations and best practices.

Monitoring and Reporting:

- Establish a monitoring system to track waste management practices and assess the effectiveness of the implemented measures.
- Generate periodic reports on waste generation, segregation, and disposal for internal and regulatory purposes.

Conclusion

The waste management policy implemented by our college reflects a comprehensive and environmentally conscious approach towards handling various types of waste. The placement of dust bins strategically across the campus for both degradable and non-degradable wastes ensures an efficient collection system. The installation of an incinerator addresses the proper disposal of litters and sanitary napkins.

By banning disposable plates and glasses, as well as polymeric banners and cutouts, the institution promotes sustainability and reduces non-biodegradable waste. The emphasis on using paper or cloth banners during events aligns with eco-friendly practices. The organic waste management system, particularly the biogas plant, exemplifies an innovative solution for converting organic wastes into energy and fertilizers, contributing to both waste reduction and resource efficiency.

Specific strategies for managing different types of wastes, such as plastics and e-wastes, further demonstrate the institution's commitment to responsible waste disposal. The collaboration with local government initiatives, like the Haritha Karma Sena, underscores a community-oriented approach to waste management.



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