



**KOTTAKKAL FAROOK**  
**ARTS & SCIENCE COLLEGE**

KOTTAKKAL, PARAPPUR P.O, MALAPPURAM DISTRICT, KERALA, 676503

# **GREEN PRACTICES POLICY AND GUIDELINES**

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## **GREEN PRACTICES POLICY AND GUIDELINES**

Introduction:

### **1.1. Purpose of the Policy:**

- This policy aims to establish a framework for implementing green practices at Kottakkal Farook Arts & Science College to promote sustainability, environmental stewardship, and resource conservation.
- The policy serves as a guideline for all stakeholders, including students, faculty, staff, and administrators, to adopt sustainable practices and contribute to a greener campus.

### **1.2. Scope and Applicability:**

- This policy applies to all activities, facilities, and operations within Kottakkal Farook Arts & Science College, including classrooms, laboratories, offices, common areas, and outdoor spaces.
- It is applicable to all members of the college community, including students, faculty, staff, and visitors.

### **1.3. Commitment to Sustainability:**

- Kottakkal Farook Arts & Science College is committed to promoting sustainability in all aspects of its operations.
- The college recognizes the importance of minimizing its environmental impact, conserving resources, and creating a sustainable campus community.
- By adopting green practices, the college aims to inspire and educate future generations to become responsible stewards of the environment.

## **Energy Conservation:**

### **2.1. Rationale:**

- To reduce energy consumption, lower greenhouse gas emissions, and decrease reliance on non-renewable energy sources.

- To create an energy-efficient campus that promotes responsible energy usage and fosters a culture of sustainability.

## **2.2. Actions:**

- Install energy-efficient LED lights in all buildings and outdoor areas.
- Utilize motion sensors and timers to control lighting and reduce unnecessary energy usage.
- Encourage students and staff to turn off lights and unplug electronics when not in use.
- Promote the use of natural lighting and optimize daylighting strategies in building design.
- Conduct energy audits and implement energy-saving measures based on the findings.

## **2.3. Responsible Parties:**

- Facilities Management Department, in collaboration with the Sustainability Committee.

## **2.4. Targets and Goals:**

- Reduce overall energy consumption by 15% within three years.
- Increase the share of renewable energy sources to 10% of total energy consumption within five years.

## **2.5. Monitoring and Reporting:**

- Regularly monitor energy usage and track progress toward energy reduction goals.
- Provide periodic reports to the Sustainability Committee and senior management.

## **Waste Management:**

### **3.1. Rationale:**

- To minimize waste generation, promote recycling, and reduce the college's environmental footprint.
- To encourage responsible waste management practices and raise awareness about the importance of waste reduction and recycling.

### **3.2. Actions:**

- Establish a comprehensive recycling program with clearly labelled bins for paper, plastics, glass, and other recyclables.
- Promote the use of reusable water bottles and provide water refill stations throughout the campus.
- Implement a food waste composting system to divert organic waste from landfills.
- Educate the college community about waste segregation and recycling practices.

### **3.3. Responsible Parties:**

- Sustainability Committee, in collaboration with the Operations and Maintenance Department.

### **3.4. Targets and Goals:**

- Achieve a recycling rate of 50% within three years.
- Reduce food waste sent to landfills by 20% within five years.

### **3.5. Monitoring and Reporting:**

- Conduct regular waste audits to assess the effectiveness of the recycling program.
- Monitor waste diversion rates and provide reports to the Sustainability Committee.

## **Water Conservation:**

### **4.1. Rationale:**

- To conserve water resources, reduce water consumption, and promote responsible water usage.
- To mitigate the college's impact on local water sources and contribute to water sustainability efforts.

### **4.2. Actions:**

- Install low-flow faucets, showers, and toilets in restrooms to minimize water usage.
- Implement leak detection and repair programs to prevent water wastage.

- Raise awareness among students and staff about water conservation through educational campaigns and workshops.
- Maintain the college's landscaping with drought-resistant plants and utilize efficient irrigation systems.
- Explore the possibility of rainwater harvesting to supplement water usage.

#### **4.3. Responsible Parties:**

- Facilities Management Department, in collaboration with the Landscape and Grounds Department.

#### **4.4. Targets and Goals:**

- Reduce water consumption by 20% within three years.
- Implement water-efficient landscaping practices and reduce irrigation water usage by 30% within five years.

#### **4.5. Monitoring and Reporting:**

- Monitor water consumption and track progress towards water conservation targets.
- Provide regular reports to the Sustainability Committee and senior management.

### **Sustainable Transportation:**

#### **5.1. Rationale:**

- To reduce carbon emissions, promote sustainable transportation options, and alleviate traffic congestion.
- To encourage the college community to adopt eco-friendly commuting practices.

#### **5.2. Actions:**

- Encourage students and staff to use public transportation, carpooling, biking, or walking to campus.
- Provide designated bicycle racks and promote cycling as a preferred mode of transportation.
- Install electric vehicle charging stations to support the use of electric vehicles.

- Collaborate with local transportation authorities to improve public transportation access to the college.
- Organize transportation awareness campaigns and incentives to encourage sustainable commuting.

### **5.3. Responsible Parties:**

- Sustainability Committee, in collaboration with the Transportation Services Department.

### **5.4. Targets and Goals:**

- Increase the use of sustainable transportation methods by 15% within three years.
- Install electric vehicle charging stations in campus parking lots within two years.

### **5.5. Monitoring and Reporting:**

- Collect data on transportation mode shares and analyze trends in sustainable commuting.
- Provide periodic reports to the Sustainability Committee to track progress and identify areas for improvement.

## **Green Building Practices:**

### **6.1. Rationale:**

- To promote sustainable design principles, enhance energy efficiency, and reduce the environmental impact of buildings.
- To create healthy and environmentally responsible spaces for learning and working.

### **6.2. Actions:**

- Incorporate sustainable design elements into new construction and major renovation projects.
- Use eco-friendly building materials with high recycled content and low environmental impact.
- Optimize natural lighting and ventilation in building design to reduce reliance on artificial lighting and HVAC systems.

- Implement efficient insulation systems to improve thermal performance and reduce energy consumption.
- Evaluate the feasibility of installing solar panels to generate clean energy for the college.

### **6.3. Responsible Parties:**

- Facilities Planning and Design Department, in collaboration with the Sustainability Committee and Architects/Engineers.

### **6.4. Targets and Goals:**

- Aim for LEED certification for all new construction and major renovation projects.
- Install solar panels on at least 20% of campus buildings within five years.

### **6.5. Monitoring and Reporting:**

- Monitor energy usage in new buildings and renovated spaces to assess energy savings and environmental impact.
- Report on the achievements and certifications of green building projects to the Sustainability Committee.

## **Education and Awareness:**

### **7.1. Rationale:**

- To cultivate a culture of sustainability and environmental awareness among students, faculty, staff, and the broader community.
- To empower individuals with the knowledge and skills to adopt sustainable practices and become environmental advocates.

### **7.2. Actions:**

- Integrate sustainability and environmental education into the curriculum across various disciplines.
- Organize awareness campaigns, seminars, workshops, and guest lectures on sustainability topics.

- Support student-led sustainability initiatives
- Establish student clubs or organizations focused on sustainability to encourage active participation and engagement.
- Foster collaborations with local environmental organizations and government agencies for field trips, research opportunities, and community projects.
- Develop an online resource hub or platform for sustainability information, research, and updates.
- Promote sustainability-focused research projects and initiatives among students and faculty.

### **7.3. Responsible Parties:**

- Academic Affairs Department, in collaboration with the Sustainability Committee and Student Affairs Department.

### **7.4. Targets and Goals:**

- Ensure that sustainability is integrated into at least 50% of the courses offered within three years.
- Increase student participation in sustainability-related activities by 20% annually.

### **7.5. Monitoring and Reporting:**

- Assess the integration of sustainability in the curriculum through periodic evaluations and feedback from students and faculty.
- Track student and staff engagement in sustainability initiatives and report progress to the Sustainability Committee.

## **Green Procurement:**

### **8.1. Rationale:**

- To promote the purchase of environmentally friendly products and services.
- To support vendors and suppliers with sustainable practices and reduce the college's ecological footprint.



## **8.2. Actions:**

- Develop a green procurement policy that outlines sustainability requirements for purchasing decisions.
- Prioritize suppliers and vendors who offer eco-friendly products, recycled materials, and energy-efficient appliances.
- Use recycled paper and environmentally friendly office supplies.
- Conduct life-cycle assessments to evaluate the environmental impact of products and services.
- Engage with suppliers to encourage continuous improvement in sustainability practices.

## **8.3. Responsible Parties:**

- Procurement Department, in collaboration with the Sustainability Committee and Finance Department.

## **8.4. Targets and Goals:**

- Increase the procurement of environmentally friendly products by 25% within three years.

## **8.5. Monitoring and Reporting:**

- Monitor procurement practices, track purchases of sustainable products, and report progress to the Sustainability Committee.

## **Community Engagement:**

### **9.1. Rationale:**

- To foster partnerships with local organizations and communities to promote sustainability beyond the campus.
- To engage in community service projects focused on environmental conservation and raise awareness about sustainable practices.

### **9.2. Actions:**

- Establish collaborations with local environmental organizations, community groups, and government agencies for joint sustainability initiatives.

- Participate in community service projects, such as tree planting drives, beach clean-ups, and environmental education programs.
- Organize workshops, seminars, and public lectures on sustainability topics for the local community.
- Share success stories and progress updates through newsletters, social media, and community platforms.

### **9.3. Responsible Parties:**

- Sustainability Committee, in collaboration with the Community Relations Department and Student Clubs/Organizations.

### **9.4. Targets and Goals:**

- Establish partnerships with at least three local organizations within the first year.
- Engage a minimum of 100 community members in sustainability initiatives annually.

### **9.5. Monitoring and Reporting:**

- Maintain records of community engagement activities and measure the impact of sustainability initiatives on the community.
- Provide regular reports to the Sustainability Committee and senior management.

## **10. Conclusion**

### **10.1. Review and Updates:**

- Regularly review and update the Green Practices Policy and Guidelines to incorporate new practices, technologies, and feedback from stakeholders.

### **10.2. Acknowledgment of Stakeholder Contributions:**

- Recognize and appreciate the efforts of students, faculty, staff, and community members who contribute to the implementation of green practices.

This guideline document should be customized to fit the specific context and requirements of Kottakkal Farook Arts & Science College and also tailored to follow and support local or governmental policies. The content and details provided can serve as a starting point, but it is important to tailor the document to align with the institution.

