

## Criterion VII – Institutional Values and Best Practices

### BEST PRACTICE – I

#### 1. Title of the Practice: Maintaining Clean and Green Eco-friendly Environment

#### 2. The Goal:

The college is dedicated to promoting a clean, eco-friendly, and sustainable environment by utilizing renewable energy from natural sources. The main objectives are:

- To maintain greenery within the campus, promoting a pollution-free environment.
- To effectively treat sewage and utilize recycled water for flushing and gardening.
- To expand energy-efficient systems and solar panel installations to conserve electricity.
- To install biogas facilities for alternative fuel usage and implement effective solid waste minimization practices.
- To collect rainwater through harvesting points to improve groundwater levels.
- To inculcate social values and systematically maintain the campus by adopting 5S Principles, complemented by training programs conducted through the Energy Club and NSS/NCC.

#### 3. The Context:

The college spans 70 acres and fosters a conducive atmosphere with extensive greenery, including plants, lawns, and trees. A dedicated housekeeping team, supervised by a manager, ensures daily maintenance of specific areas using semi-automatic machines for cleaning. The clean and green environment aligns with initiatives like Environmental Protection, Go Green, and Swachh Bharat Mission, while implementing 5S principles (Sort, Set, Shine, Standardize, Sustain) promotes systematic practices across the campus.

Solar panels minimize power consumption, and solid waste is managed effectively. Rainwater harvesting reduces water demand and supports irrigation for greenery. Biogas plants convert food waste into fuel gas, while treated sewage water irrigates gardens. Electric



  
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Kongunadu College of  
Engineering and Technology,  
Tholurpatti (Po), Thottiam (Tk),  
Trichy (Dt). Pin : 621 215.

vehicles reduce carbon emissions, and plastic use is banned to promote eco-friendly practices. Awareness campaigns, led by the Energy Club, NSS, and NCC, further in still a green culture among stakeholders.

#### 4. The Practice:

- 5S practices are implemented across all workspaces.
- Fire extinguishers are installed throughout the premises for safety.
- Hygiene in hostels, mess areas, and toilets is maintained by a dedicated team.
- Modern equipment sterilizes and cleans kitchen utensils.
- Ramps and lifts ensure easy access across the campus.
- Quality drinking water is provided via a 30,000-liter Reverse Osmosis (RO) plant, with water quality tested every three months.
- Separate bins segregate degradable and non-degradable waste, and solid waste is composted in landfills.
- Sewage is treated through a 7-lakh-liter STP system, and treated water is used for gardening via efficient irrigation systems.
- Rainwater is collected in large storage bunds for groundwater recharge.
- A 99 KW solar power plant and LED lighting systems conserve energy.
- Biogas from food waste serves as an alternative fuel for cooking.
- The Energy Club conducts workshops and seminars on environmental awareness.
- NSS and NCC teams execute green campaigns, fire safety training, and cleanliness drives.

#### 5. Evidence of Success:

- Clean & Green Campus Award (2023–24) by Ram Kalam Centre for Energy Consultancy & Training, Coimbatore.
- AICTE Clean and Green Campus Award (2019).
- 5S Platinum Level Award (Large Scale – Service Category) by ABK AOTS DOSOKAI, Tamil Nadu Centre, India.
- Bhumi Campus Award (2022) for Best Waste Management and banana waste product development.
- Best NSS Unit Award for the academic year 2019-20 and 2022-23



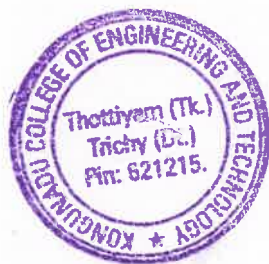
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#### **6. Problems Encountered and Resources Required:**

- The housekeeping division ensures consistent follow-up and maintenance, while creating job opportunities for local and rural communities.
- Skilled labourers are employed to maintain the green and clean environment, contributing to livelihood generation for rural workers.
- Student and faculty-led environmental projects focus on innovative solutions, fostering collaboration and providing opportunities for skill development in the local community.
- There have been no issues encountered with the availability of resources for these initiatives.

#### **7. Concluding Notes:**

The overall performance of the system is commendable, with significant improvement in maintaining a clean and green campus. These practices reflect the institution's commitment to environmental sustainability and serve as a model for others to follow.



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