



Enable | Enlighten | Enrich

KARPAGAM
ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

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Pollachi Main Road, Eachanari Post, Coimbatore - 641 021, Tamil Nadu, India.

Phone : 0422 - 2980011 - 14 | Email : info@kahedu.edu.in

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Karpagam Academy of Higher Education (KAHE)
Energy Efficiency and Clean Energy Policy Document – 2023
(version 2 -Revised)

1. Objective:

To ensure that all renovations and new constructions at KAHE adhere to energy efficiency standards, promote the adoption of clean energy sources, and actively support government initiatives in clean energy and energy-efficient technologies.

2. Scope:

This policy applies to all departments, faculties, administrative buildings, and facilities managed by KAHE, including academic, residential, and research facilities.

3. Policy Statement:

KAHE is committed to fostering an environmentally sustainable campus by implementing energy efficiency standards in all construction and renovation projects. We aim to reduce energy consumption, minimize environmental impact, and support government efforts to promote clean energy and energy-efficient technologies.

4. Key Principles:

KAHE's approach to energy efficiency and clean energy is based on the following principles:

- Compliance with Energy Standards: Ensure adherence to the Energy Conservation Building Code (ECBC) and other applicable government energy regulations.
- Clean Energy Adoption: Prioritize the installation of renewable energy sources, such as solar, wind, and bio-energy, in campus infrastructure.





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- Energy Efficiency Technology: Promote the use of energy-efficient technologies, such as LED lighting, energy-efficient HVAC systems, and efficient water management systems.
- Government Collaboration: Engage with government bodies and local authorities to support and implement initiatives in clean energy and sustainable infrastructure.
- Educational Initiatives: Educate faculty, staff, and students on energy conservation practices and clean energy solutions.

5. Policy Guidelines:

Building Design and Renovation:

- All new buildings and renovations must incorporate energy-efficient designs, including passive solar design, natural lighting, and insulation to reduce energy needs.
- Building plans must undergo an energy audit prior to approval to ensure they meet or exceed ECBC standards.

Installation of Renewable Energy Sources:

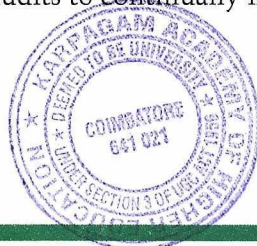
- Solar panels and other renewable energy sources must be installed where feasible in new and renovated structures.
- Conduct regular assessments to identify further opportunities for renewable energy installations across campus.

Energy-Efficient Equipment and Appliances:

- Implement a policy of procuring only energy-efficient appliances (e.g., 5-star rated equipment) across all departments and buildings.
- Replace outdated systems with energy-efficient alternatives, such as LED lighting, energy-efficient HVAC systems, and low-flow water fixtures.

Periodic Energy Audits:

- Conduct annual energy audits to monitor energy consumption, identify areas for improvement, and ensure adherence to energy efficiency standards.
- Implement findings from audits to continually improve the energy performance of campus infrastructure.



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Training and Awareness:

- Conduct workshops, training sessions, and seminars on energy conservation, renewable energy, and sustainability for staff, faculty, and students.
- Display energy-saving guidelines in buildings to remind occupants of practices that reduce energy consumption.

Government Reporting and Support:

- KAHE shall provide periodic reports to relevant government bodies on energy consumption, efficiency initiatives, and renewable energy usage.
- Support government programs by participating in energy conservation and clean energy projects and engaging in partnerships or grants that align with government objectives.

6. Energy Efficiency and Sustainability Committee (EESC):

To ensure effective implementation, KAHE will establish an Energy Efficiency and Sustainability Committee (EESC) comprising:

1. Dean, Faculty of Engineering (FoE)
2. Dean, Faculty of Architecture and Design Planning (FADP)
3. Director/Manager, Internal Quality Assurance Cell (IQAC)
4. Head of Department, Electrical and Electronics Engineering (HoD EEE) – Member Secretary

The EESC will be responsible for overseeing policy adherence, implementing energy audits, recommending enhancements, and reviewing policy effectiveness.

7. Implementation and Monitoring:

The EESC will:

- Monitor compliance with the policy across campus.





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- Review and update the policy periodically to align with technological advancements and government energy standards.
- Provide annual reports to the KAHE administration on policy outcomes, energy savings, and recommendations for further improvement.

8. Review of Policy:

This policy will be reviewed every two years or as required to reflect changes in government regulations, technological advancements, and institutional priorities. Revisions will be proposed by the EESC and approved by the KAHE administration.

9. Conclusion:

Through this policy, KAHE commits to creating an energy-efficient and sustainable campus that minimizes environmental impact, reduces energy consumption, and aligns with government goals in clean energy and technology. This dedication reflects our responsibility to future generations and our role as a leader in sustainable educational practices.

Approved by: 44th meeting held on 30.12.2023 of the BoM of Karpagam Academy of Higher Education



S.R.V.

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