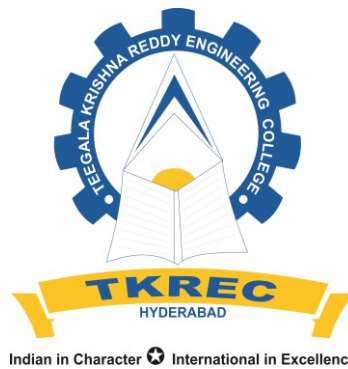


Policy Document for Environmental Consciousness and Sustainability



TEEGALA KRISHNA REDDY ENGINEERING COLLEGE **(UGC Autonomous)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTUH
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Policy Document for Environmental Consciousness and Sustainability

Teegala Krishna Reddy Engineering College (TKREC) recognizes the importance of reducing energy consumption and promoting energy efficiency to mitigate environmental impact and lower operational costs. This policy document outlines our commitment to energy conservation and establishes guidelines for sustainable energy management across campus facilities.

Goals:

- Reduce energy consumption: Implement measures to reduce overall energy usage across campus buildings and facilities.
- Promote energy efficiency: Upgrade equipment, implement energy-saving technologies, and adopt best practices to improve energy efficiency.
- Raise awareness: Educate students, faculty, and staff about the importance of energy conservation and encourage behaviour changes to promote energy-saving habits.
- Monitor and optimize: Continuously monitor energy usage, identify opportunities for improvement, and optimize energy management strategies to achieve maximum efficiency.
- Sustainability integration: Integrate energy conservation principles into campus planning, operations, and decision-making processes to ensure long-term sustainability.

Strategies:

- Building energy management: Design buildings to have ventilation and light for optimal energy usage.
- Lighting efficiency: Upgrade to energy-efficient lighting fixtures, utilize natural lighting whenever possible, and implement lighting controls such as timers and motion sensors to reduce unnecessary energy consumption.
- Equipment and appliance efficiency: Replace outdated equipment and appliances with energy-efficient models, implement power management practices, and encourage the use of ENERGY STAR-certified products.
- Renewable energy adoption: Explore opportunities for renewable energy generation, such as solar panels, to supplement traditional energy sources and reduce reliance on fossil fuels.
- Behavioural changes: Encourage energy-saving behaviors among campus occupants, such as turning off lights and electronics when not in use, unplugging chargers, and utilizing power-saving settings on devices.
- Energy audits and assessments: Conduct regular energy audits and assessments to identify energy-saving opportunities, prioritize efficiency upgrades, and track progress over time.
- Collaboration and engagement: Foster collaboration among campus stakeholders, including students, faculty, staff, and administration, to support energy conservation efforts and promote a culture of sustainability.

Guidelines:

- All campus departments and individuals are responsible for contributing to energy conservation efforts and adhering to energy-saving guidelines and practices.
- Energy conservation considerations should be integrated into campus planning, design, construction, and renovation projects to minimize energy consumption and maximize efficiency.
- Facilities management staff should prioritize preventive maintenance, equipment optimization, and energy-efficient operation practices to minimize energy waste and extend the lifespan of campus infrastructure.
- Energy-saving initiatives should be regularly communicated to the campus community through various channels, including newsletters, workshops, signage, and online platforms, to raise awareness and encourage participation.
- Progress toward energy conservation goals should be regularly monitored, evaluated, and reported to track performance, identify challenges, and implement corrective actions as needed.

Conclusion:

By implementing this energy conservation policy, the institute is committed to reducing energy consumption, promoting energy efficiency, and fostering a culture of sustainability across campus. Together, we can make a significant impact on energy conservation and contribute to a more sustainable future for our college community and beyond.