

G PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous)

(Approved by AICTE | NAAC Accreditation with 'A' Grade |
Accredited by NBA (CIV, CSE, ECE & EEE) | Affiliated to JNTUA)
Nandikotkur Road, Venkayapalli (V), Kurnool - 518452, Andhra Pradesh

POLICY DOCUMENT TOWARDS GREEN CAMPUS INITIATIVES

The Institute of G. Pullaiah College of Engineering and Technology (GPCET), nestled 22 km away from the town amidst farming fields, is committed to providing a conducive and hygienic environment for the teaching-learning process. The campus is adorned with trees and beautiful gardens, creating a serene atmosphere that complements the academic pursuits of the students.

The institution has embraced the concept of a Green Campus, where sustainable and eco-friendly practices are integrated into the campus life. This initiative aims to redefine the environmental culture of the institution and set new benchmarks by offering practical solutions to environmental, social, and economic challenges.

Several measures have been implemented to ensure cleanliness and waste minimization within and around the campus. Water conservation and management, including rainwater harvesting, are key components of the institution's sustainability efforts. Energy-efficient light bulbs are utilized, and a substantial number of trees have been planted to preserve the natural environment on the campus. The institution has taken a definitive step towards environmental responsibility by enforcing a complete ban on polythene within the campus premises.

The commitment to greening the campus extends beyond mere aesthetics. It involves eliminating inefficiencies, utilizing renewable energy sources, implementing effective waste disposal methods, procuring eco-friendly supplies, and establishing robust recycling programs. GPCET is actively engaged in developing time-bound strategies to implement and enhance its green campus initiatives, demonstrating a dedication to sustainable practices and environmental stewardship.

- Energy conservation
- Plantation
- Waste management
- Water management and other related issues

Energy conservation: The Institute has implemented a proactive energy conservation policy to minimize energy consumption and enhance sustainability. In the event of a failure of electrical equipment, the institution has adopted a strategy to replace or repair the faulty equipment with fire-stalled alternatives or energy-efficient LED lamps and bulbs. This not only ensures a quick resolution to equipment failures but also promotes the use of energy-efficient solutions.

Water management: The Institute recognizes the critical importance of water as a precious

E. Jirini
PRINCIPAL
G. Pullaiah College of Engg & Tech.
Nandikotkur Road, VENKAYAPALLI
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resource and has implemented a mindful approach to water management. Understanding that only a small percentage of water on Earth is usable, and given the significance of responsible water use, the institution has adopted an optimistic and sustainable water management strategy. The primary source of water for the campus is bore well water. The institution is committed to utilizing this water resource efficiently and responsibly.

Water conservation: The Institute has implemented a water conservation initiative through the establishment of rainwater harvesting pits on both campuses. This thoughtful practice involves collecting rainwater that falls on the surface of the top floor and directing it to designated points. From these points, the water is then diverted to soaking pits, ensuring effective recharge of groundwater.

Plantation: The Institute has embraced a commitment to environmental sustainability through continuous green cover practices. This is achieved by adopting techniques that promote consistent and lush vegetation across the campus. To actively involve and engage the student community, the institution encourages their participation in regular plantation programs.



G. Prasad
PRINCIPAL

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Solid waste management: The Institute places a strong emphasis on solid waste management, recognizing the importance of responsible waste disposal and sustainability. Waste must be collected to the store room at regular intervals. Do not use unnecessarily at stationary papers must be used in proper way. The vendors maybe called or otherwise may be given to the people who are in need so as to contribute to the environmental conditions.

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Electronic Waste Management: The institution emphasizes responsible disposal of unused computers and electronic equipment by directing their return to authorized e-waste vendors. Indiscriminate disposal around the campus is discouraged to prevent potential hazardous environmental pollution. These initiatives align with the institution's dedication to fostering a healthy and hygienic environmental atmosphere conducive to the well-being of students and the teaching-learning process.

Additional Relevant Details:

The institution has implemented a comprehensive range of sustainable practices to establish a green and eco-friendly campus environment:

- ❖ A considerable number of faculty and students utilize the institution's transportation services, while a smaller section opts for public transport, reducing individual vehicular usage.
- ❖ Vehicle pooling among faculty members is encouraged to minimize vehicular usage and consequent pollution.
- ❖ Vehicles are strategically parked away from academic buildings to mitigate sound and air pollution.
- ❖ Well-constructed roads on the campus contribute to a vehicle-friendly environment.
- ❖ Efforts are underway to automate academic and administrative practices, aiming to reduce paper consumption.
- ❖ Various types of dustbins are strategically placed for the careful disposal of plastic waste.
- ❖ The campus boasts well-maintained greenery, incorporating trees and plants to create a carbon dioxide-free environment.
- ❖ Approximately 40% of the campus area is dedicated to green spaces, including landscapes with grass, bushes, trees, and ornamental plants, promoting biodiversity.
- ❖ Energy-efficient electronic gadgets, such as 4/5-star rated air conditioners, are utilized and regularly maintained.
- ❖ Unnecessary power usage is discouraged across the institute.
- ❖ LED lighting systems are installed in the majority of facilities, including classrooms, laboratories, administrative blocks, computer centers, libraries, seminar halls, and staff rooms, promoting energy efficiency.
- ❖ A rooftop solar power plant with a capacity of 160KW is operational, meeting a substantial portion of the institute's power demand.
- ❖ Posters and signage promoting energy conservation, water conservation, and greenery preservation are strategically placed across the campus.
- ❖ The institution conducts outreach activities on green practices for the benefit of society.


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- ❖ Regular green audits are conducted biennially to enhance environmentally friendly practices.
- ❖ Energy audits are performed every two years to improve energy conservation.
- ❖ Environmental audits comprehensively cover liquid waste, solid waste, and e-waste management to maintain a clean and green environment.

These collective efforts underscore the institution's commitment to sustainability, environmental responsibility, and the well-being of its academic community and the broader society.
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