



PVKK INSTITUTE OF TECHNOLOGY

ANANTAPUR



GREEN CAMPUS POLICY


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P.V.K.K. Institute of Technology
Alumuri Road,
Anantapur, Andhra Pradesh

Clean and Green Campus Policy Document

About College:

PVKK Institute of Technology provides a tranquil and picturesque environment, spanning across 10 acres of lush green land, creating an ideal setting for learning. The Institution has the state-of-the-art infrastructure, featuring well-ventilated and furnished classrooms, fully equipped laboratories, spacious workshops, technology-enhanced digital classrooms, and well-appointed drawing halls. These top-notch facilities are just a few examples of the high-quality amenities provided to the students.

The Clean and Green Campus Policy

The Green Campus Policy of the College envisions a Clean and Green Campus where environmental friendly practices and education combine to promote sustainable and eco-friendly practices on the campus and beyond the campus. It also offers the Institution an opportunity to take the lead in redefining its environmental culture through instilling environmental ethics among the students, faculty members and the staff.

Mission

To promote environmental consciousness, actively engage in protecting the planet earth, and strive for a sustainable, pollution-free, and healthy future.

Objectives

- To raise awareness among students and faculty members about the importance of reducing the use of polluting products and promoting the adoption of environmentally friendly alternatives
- To cultivate an understanding of the significance of cleanliness in fostering a healthy and fulfilling life.


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- To Create awareness about environmental issues by organizing Events, Rallies, Awareness Campaigns, Cleanliness Drives, Seminars, Workshops, presentations, Tree Plantation Drives, Photography Competitions, Rangoli Competitions, Essay Competitions, Excursions, Study Tours, Guest Lectures, Talks, etc.
- To make students and staff aware about raising voice against the hazardous practices destroying Nature and promote environment friendly practices among the society.

Initiatives taken to implement the Clean and Green Campus Policy

PVKKIT College is dedicated to maintaining a clean, eco-friendly, and sustainable campus environment that promotes health, well-being, and environmental consciousness.

The Clean and Green Campus Policy aims to create a campus environment that is aesthetically pleasing, environmentally responsible, and encourages the college community to actively participate in maintaining a clean and sustainable campus.

The Institution is committed to managing its campus in accordance with its Clean and Green Campus Policy by establishing the following infrastructure and carrying out the following activities:

- Landscaping with Trees and Plants
- Litter Free Campus
- Ban on Single-Use Plastic
- 100 KVA Solar Plant in the College
- Street Lights Controller
- Use of LED Bulbs/Tubes and Power Efficient Equipments
- Solid Waste Management


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- Water Management
- E-waste Management
- Display Boards to Promote Environmental Sensibility on College Campus
- Installation of Incinerator in the Girls' Common Room
- Observance of Days to protect and Nurture Environment
- The Green, Environmental and Energy Audit

Landscaping with Trees and Plants

PVKKIT College recognizes the significant role of green spaces, trees, and plants in enhancing the campus environment, promoting biodiversity, and fostering a sustainable ecosystem. The Landscaping with Trees and Plants Policy aims to create a green and vibrant campus environment by incorporating diverse flora, enhancing the aesthetic appeal, and fostering a sense of environmental stewardship among the college community.

As per the Clean and Green Policy of the PVKKIT College, Anantapur, the College strives to plant various types of ornamental, wild plant species of trees in large numbers within and outside the campus. Gardeners and full time adequate support staff have been appointed for the maintenance of gardens and keeping the campus litter-free, clean and Green Campus.

Ban on Single-Use Plastic

The College acknowledges the detrimental impact of single-use plastics on the environment, human health, and wildlife. In alignment with our commitment to sustainability and responsible waste management, the Ban on Single-Use Plastic Policy is brought in to eliminate the use of single-use plastic products within the college


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premises, promote eco-friendly alternatives, and create a plastic-free environment that fosters a culture of environmental stewardship.

The Institution has embraced a plastic-free campus approach, implementing a comprehensive ban on single-use plastics across all its facilities. Within classrooms, laboratories, canteen, and other premises, the use of single-use plastics is strictly prohibited.

To promote eco-friendly alternatives, the college ensures the availability of stainless steel, washable, and reusable tumblers at all water units. This encourages students and staff to opt for sustainable options and minimize plastic waste generation.

In line with their commitment to sustainability, the canteen is mandated to exclusively serve food and beverages in either stainless steel containers or biodegradable alternatives such as paper plates, glasses, and cups. This proactive measure systematically eliminates the use of plastics within the canteen premises.

Restriction of the Movement of Petrol/Diesel Vehicles on the Campus

In line with our commitment to environmental sustainability and creating a greener campus, PVKKIT College introduces this policy to restrict the movement of petrol/diesel vehicles on the college premises. This policy aims to reduce carbon emissions, promote eco-friendly transportation alternatives, and foster a healthier environment for our college community.

This policy applies to all petrol and diesel vehicles entering the college campus, including those owned by students, staff, faculty, visitors, and any other stakeholders.

100 KVA Solar Plant in the College


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The Solar Plant Implementation Policy aims to harness solar energy to meet a significant portion of the college's electricity needs, reducing reliance on conventional energy sources and contributing to a greener and more sustainable campus environment.

PVKKIT took a significant step towards sustainable energy by installing a 100 KVA Solar Energy Plant on the Main Building of the College. Additionally, another Solar Plant was set up on Rayal Bhavan. The impact of these solar installations has been remarkable, leading to a substantial decrease in the College's electricity bills.

The solar panels' energy output is intelligently integrated into the APSPDCL power grid. Through this setup, the excess power generated by the solar panels is supplied to the grid, resulting in a net reduction in electricity consumption. To encourage this eco-friendly approach, the APSPDCL provides the College with subsidies for their power consumption.

The College's commitment to green energy is further exemplified by the dedicated solar panels installed on Rayal Bhavan's rooftop and also on Gandhi Bhavan's rooftop. Utilizing the solar energy harnessed from these panels, the College efficiently illuminates the route from the main gate to the College building with eco-friendly solar-powered lights.

Solar Street Lights

The Solar Street Lights Policy aims to enhance campus safety, promote sustainable practices, and reduce energy consumption by implementing solar-powered street lights throughout the college premises. This policy covers the planning, installation, and operation of solar street lights on all campus walkways, roads, and outdoor areas.


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To minimize the use of electricity consumption and make the maximum utilization of the available resources, the College has installed Solar Photovoltaic Device with 20Wp PV module, 12Ah SMF battery, PWM Charge Controller, PV current sensing system for Dusk to Dawn fully automatic ON/OFF switching of street lights. 11 Sensor-based LED Solar Power Street Lights are installed from the entrance to the College Use of LED bulbs/ Power-Efficient Equipments More than 90% electric lights and all the computers of the College are LED enabled. The other equipments are also purchased taking into account their power-efficiency.

Liquid Waste Management

PVKKIT College recognizes the importance of responsible liquid waste management to safeguard the environment and protect public health. This policy outlines guidelines for the safe handling, collection, treatment, and disposal of liquid waste on campus.

The college is committed to implementing effective and environmentally sustainable liquid waste management practices. This policy aims to minimize the impact of liquid waste on the environment, ensure compliance with regulatory requirements, and foster a culture of environmental responsibility among all stakeholders.

Water Management

The Water Management Policy aims to ensure responsible and judicious use of water on the college campus, minimize wastage, and foster a culture of water conservation among all members of the college community. The College recognizes the critical importance of efficient and sustainable water management on the campus



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All stakeholders of the College, including students and staff, are well-educated about using water responsibly and efficiently. To ensure optimal water usage and prevent any wastage, the College administration diligently oversees the entire distribution system. Regular inspections are conducted to identify and rectify any leakages or issues in the pipelines and water taps, promoting water conservation. Maintenance and cleanliness of the water tanks are given priority, and administrative staff take charge of the regular cleaning process.

E-waste Management

The E-waste Management Policy aims to promote sustainable practices for the management of electronic waste, reduce its environmental impact, and ensure compliance with relevant e-waste regulations.

At PVKKIT College, we are committed to promoting sustainable practices and responsible waste management. As part of our efforts to minimize the environmental impact of electronic and electrical waste, we have established this policy to govern the disposal of scrap generated from such devices.

The College recognizes the importance of proper electronic and electrical scrap disposal to protect the environment and comply with relevant waste disposal regulations. This policy outlines guidelines for the safe and environmentally sound disposal of electronic and electrical scrap.

Guidelines:

- 1. Segregation and Collection:** The college administration, Faculty, and students shall segregate electronic and electrical devices that are no longer usable or functional and place them in designated collection bins. These bins will be conveniently located across the campus to encourage proper disposal.



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2. **Authorized E-Waste Handler:** PVKKIT College engages with authorized e-waste handlers or local scrap vendors who comply with relevant environmental regulations for the collection and disposal of electronic and electrical scrap. The chosen handlers will have the necessary permits and certifications to handle e-waste responsibly.
3. **Data Security:** Before disposing of any electronic device that may contain sensitive data, such as PCs or laptops, the college's IT department shall ensure all data is securely wiped or destroyed to prevent unauthorized access.
4. **No Burning or Dumping:** The College strictly prohibits the burning or dumping of electronic and electrical scrap on the campus premises or any other location. Such practices are harmful to the environment and must be avoided.

In a progressive move towards sustainability, the Management of PVKKIT College has initiated the practice of reusing electronic components salvaged from discarded instruments, PCs, UPS, and other electronic devices. This environmentally conscious approach involves repurposing various components, such as transformers, transistors, ICs, capacitors, inductors, resistors, connectors, sockets, switches, wires, LEDs, and other electronic or electrical devices.

These reclaimed components find a new purpose in the Physics Laboratory, where they are utilized for demonstration purposes. By integrating them into educational demonstrations, the college promotes a practical understanding of electronic principles while reducing electronic waste and minimizing the environmental impact.

Display Boards to Promote Environmental Sensibility on College Campus


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Display boards to promote environmental sensibility on the College campus play a crucial role in raising awareness, educating the college community, and fostering a culture of environmental consciousness. These display boards are strategically placed in prominent areas across the campus to effectively communicate important information, facts, and messages related to environmental issues, sustainability, and eco-friendly practices. The boards include quotations that promote environmental awareness and ethics including air-pollution control, plastic-free campus, conservation of energy, recycling of resources, tree plantation, Nature conservation, etc. are displayed for all the stakeholders of the College.

Installation of Incinerator in the Girls' Common Room

The College has installed an Incinerator for the disposal of sanitary pads in the Girls' Common Room as a step towards eco-friendly disposal mechanisms.

Observance of Days to Protect and Nurture Environment

The organization of various events like Awareness Campaigns, Cleanliness Drives, Tree Plantation Drives, Rangoli Competitions, Excursions, Study Tours, Guest Lectures, Talks, etc. on the occasion of various days like- 'World Environment Day' (05 June), 'World Water Day' (22 March), and Mahatma Gandhi Jayanti (02 October), ensures to create awareness among young students and public about various environment related problems and conservation of Nature and natural resources in the surrounding area and educating on how to live a Eco-friendly life.

The Green, Environmental and Energy Audit

The Green, Environmental, and Energy Audit conducted by authorized external agencies is a thorough and independent assessment of PVKKIT College's environmental and energy-related practices. The auditing processes aid campus


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stakeholders in comprehending the various statistics and practices followed by the institution, providing them with insights into the college's standing and performance in different areas.



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