

POLICY DOCUMENT FOR ENVIRONMENT AND ENERGY USAGE



Dr LANKAPALLI BULLAYYA COLLEGE
SPONSORED BY THE SOCIETY FOR COLLEGIATE EDUCATION
NEW RESAPUVANIPALEM
VISAKHAPATNAM – 530013
ANDHRAPRADESH
AFFILIATED TO ANDHRA UNIVERSITY
ACCREDITED BY NAAC WITH 'A' GRADE

**“The greatest threat to our planet is the belief
that someone else will save it” – Robert Swan**

Policy Document for Environment and Energy Usage

ABOUT COLLEGE

Dr. Lankapalli Bullayya College was established in the year 1973 by the “Society for Collegiate Education” located in the heart of Visakhapatnam city in a sprawling 10 acre campus by socially conscious eminent and philanthropic persons from different walks of life like Education, Indian Administrative Service and Business with a service motive and named the college in honor of Dr. Lankapalli Bullayya , who was the then Vice Chancellor of Andhra University . The college is affiliated to Andhra University and accredited by NAAC with ‘A’ grade. Alongside the degree courses, MBA, MCA and Engineering courses are approved by AICTE, New Delhi. The college is offering a wide range of programs from Intermediate (plus 2 level) to Graduation, Post-Graduation and Research.

ENVIRONMENT AND ENERGY POLICY

The Environment and Energy usage Policy of Dr Lankapalli Bullayya College is to manage energy in such a systematic way so as to minimize its impact on the environment. The policy implies to explore the renewable energy resources to reduce the burden of the government and to find out substitute natural resources as solutions to the energy crisis.

This environment and energy policy is binding for all the components of the institution and applies to all its stakeholders and to the various activities undertaken by the institution. It will help us to embed efficiency and environmental awareness into our everyday activities, thus helping us to realize our responsibilities and commitment to conservation of natural resources and to limit its usage.

POLICIES:

- To assess our energy usage and measure its impact on the environment.
- To count CO₂ emissions generated by our means of transportations- vehicles.
- To reduce local air pollution emissions using environment-friendly vehicles, including bicycles, public transportation and use of pedestrian-friendly roads.
- To install LED bulbs in the complete campus to save energy.
- To develop systematic waste management mechanism.
- To develop rain water harvesting unit.
- To undertake tree plantation drive.
- To take additional measures to continuously improve our energy consumption.

- To develop and maintain an environmental management system which is ISO: 14001 and an Energy Management System based on ISO: 50001.
- To ensure the availability of necessary resources to achieve our objectives.
- To encourage use of advanced technology to minimize energy consumption, atmospheric emissions and noise, particularly from our vehicle fleets.
- To engage in dialogue with the government agencies, municipal corporation and the affiliating university and actively work with the local organizations in the areas of environment, energy efficiency and sustainable development.
- To monitor and respond to emerging environmental and energy issues. To strengthen our employees' and students' environmental knowledge and skills in order to improve our own environmental performance.
- To provide information and training opportunities on energy saving measures.
- To offer opportunities for employees and students to engage in initiatives those contribute to environmental protection.
- Switch off lights, fans in conference rooms, classrooms, lecture halls when they are not in use. Avoid the use of decorative lighting.

This policy will be communicated to the students and employees via internal communication channels, and will be made available to all the stakeholders on the institutional website. The Environment and Energy Policy, objectives and targets will be reviewed on a regular basis under the guidance of the principal of the college.

PRINCIPAL

POLICY DOCUMENT FOR GREEN CAMPUS



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“Being green and clean is not just an aspiration but action” – Christine Pelosi

POLICY DOCUMENT ON THE GREEN CAMPUS

ABOUT COLLEGE

Dr. Lankapalli Bullayya College was established in the year 1973 by the “Society for Collegiate Education” located in the heart of Visakhapatnam city in a sprawling 10 acre campus by socially conscious eminent and philanthropic persons from different walks of life like Education, Indian Administrative Service and Business with a service motive and named the college in honour of Dr. Lankapalli Bullayya , who was the then Vice Chancellor of Andhra University . The college is affiliated to Andhra University and accredited by NAAC with ‘A’ grade. Alongside the degree courses, MBA, MCA and Engineering courses are approved by AICTE, New Delhi. The college is offering a wide range of programs from Intermediate (plus 2 level) to Graduation, Post-Graduation and Research.

Green Campus:

A Green Campus is a place where environmentally friendly practices and education combine to promote sustainable and eco-friendly practices in the campus. The green campus concept offers an institution the opportunity to take the lead in redefining its environmental culture and developing new paradigms by creating sustainable solutions to environmental, social and economic needs of mankind.

Mission

To create environmental consciousness among the society and actively involve in the activities to protect the planet earth from the unscrupulous human invasions for a sustainable, pollution-free and healthy life ahead.

Objectives

- To sensitize the students and the staff to minimize the use of polluting products and use environment-friendly products and services.
- To instill the importance of cleanliness for a healthy life
- To Create awareness about environmental issues by organizing Events, Rallies, Awareness Campaigns, Cleanliness Drives, Seminars, Workshops, presentations, Tree Plantation Drives, Wildlife Photography Competitions, Rangoli Competitions, Essay Competitions, Bird Watching

Programs, Excursions, Study Tours, Guest Lectures, Talks, etc.

- To make students and staff aware of the hazardous practices destroying Nature to raise voice against and promote environment friendly practices in the society

INITIATIVES TAKEN BY COLLEGE TO IMPLEMENT GREEN POLICY

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**
- **Ban on Single-Use Plastic**
- **Use of LED Bulbs/Tubes and Power Efficient Equipments**
- **Rainwater Harvesting**
- **Biogas Plant**
- **Paperless Office and Communication**
- **Solid Waste Management**
- **Water Management**
- **E-waste Management**
- **Display Boards to Promote Environmental Sensibility on College Campus**
- **Observance of Days to protect and nurture Environment**
- **The Green, Environmental and Energy Audit**

Landscaping with Trees and Plants

As per the Clean and Green Policy of the Dr Lankapalli Bullayya College, the college strives to plant various types of ornamental and medicinal variety, 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 litter-free, clean and Green Campus.

The tree-plantation drives are undertaken by the NSS and NCC Units of the college and also by the Departments of Botany, Zoology and the Environment Science on regular basis

Ban on Single-Use Plastic

The campus of Dr.Lankapalli Bullayya College is a plastic-free campus where there is a complete ban on single-use plastics in classrooms, laboratories, canteen and in the other premises. The college facilitates environment friendly substitutes like stainless steel, washable and reusable

tumblers at all water units and mandates the canteen to serve only in stainless steel or paper plates/glasses/cups to systematically ban the use of plastics on the campus.

Rain water Harvesting

The college ensures rain-water conservation through rainwater harvesting. The rain water from the roof top outlets is carried through the well-connected pipelines to the wells or is collected in the large water harvesting tanks and the overflowing rain-water from these tanks is discharged in the soak-pits for ground water recharge. The wells in the college are connected to rooftop rainwater harvesting system and the collected rain-water is discharged to the wells.

Paperless Office and Communication

The college has a policy to minimize the use of paper in all types of official/academic communication of the college through E- Communication. The use of paper is substantially reduced through digitization. One-side blank pages are used to avoid wastage of paper. All the college staff have been provided with the college E-mail IDs for official and college-related communication. What's app - Class-wise groups, Department wise groups, Committee wise groups have been formed which have reduced the usage of paper in notices and circulars. Moreover, the college has avoided massive usage of paper by introducing the "Learning Management System" wherein references, notes, syllabi, question banks, study material are stored and shared on the e-platform. Some departments have also started accepting E-assignments.

This practice has proved highly beneficial to save money, boost productivity, save space, make documentation and information sharing easier, and help the environment.

Solid waste Management

The Solid waste generated on the campus is segregated as bio degradable and non-degradable and handed over to GVMC as a part of Swachh Bharat Abhiyan.

All the Departments, laboratories, and Classrooms are provided with dustbins for dry wastage disposal. Segregation of the waste into dry and wet waste is done through the separately allotted dustbins at strategic locations in the college

Vermicompost Unit

Vermicompost Unit is established in the Medico-Botanical Garden of the Department of Botany. The students of the department actively involve themselves to run this unit. The organic waste material is collected from the college campus by the students to deposit it in the special vermicompost tank. Using cow dung, Earthworms the soil mixture is made with appropriate

proportions. With the help of students this mixture is installed in the tank and watered properly for 4-8 weeks. Then the first flush of pure, odorless and granular, soft vermin compost is obtained.

Water Management

The water for all other purposes is supplied through another set of distribution pipes. The college has two wells with ample water. The ground water from the wells is pumped into the storage tanks / elevated service reservoirs located at different places in the campus. The water is distributed through well-laid pipe network.

Entire distribution system is well supervised by the college administration to ensure that there are no leakages and wastages of water through Leakages in the pipelines and the water-taps etc. Regular cleaning of the water tanks is regulated by the administrative staff of the college. All the stakeholders of the college are well-educated to use water economically and efficiently.

E-Waste Management

E-waste management by the Department of Physics Components and other small devices/parts of non-repairable equipment's are used to fabricate new experimental kits / power supplies. This is one of the best practices of the Physics department.

The department has started reusing the electronic components from the discarded instruments, PCs, UPS, etc. such as transformers, transistors, ICs, Capacitors, Inductors, Resistors, Connectors, Sockets, Switches, Wires, LEDs and other electronic or electrical devices to fabricate the instruments and experimental kits that are used in the Physics Laboratory.

The students and faculty have also involved in the maintenance and repairs of the instruments and experimental kits, which led to increase their life and the optimum use. This has not only become a step towards the E-waste management but also cultivated innovative ideas among the students and the faculty. The students have also gained many skills through these activities.

Display Boards to Promote Environmental Sensibility on College Campus

Various boards including Quotes 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.

Observance of Days to protect and Nurture Environment

The organization of various events like Rallies, Awareness Campaigns, Cleanliness Drives, Seminars, Conferences, Workshops, presentations, Tree Plantation Drives, Wildlife Photography Competitions, Rangoli Competitions, Essay Competitions, Bird Watching Programs, Excursions, Study Tours, Guest Lectures, Talks, etc. on the occasion of various days like- 'International Day for the Preservation of the Ozone Layer' (16 September), 'World Environment Day' (05 June), 'International Tiger Day' (29 July), 'Wildlife Week' (02 to 08 October), 'World Biodiversity Day' (22 May), 'World Wetland Day' (02 February), 'World Water Day' (22 March), 'World Sparrow Day' (20 March), 'Great Backyard Bird Count (GBBC)' (14 February), Mahatma Gandhi Jayanti (02 October), 'Army Day' (15 January) 'Bird Week' in first week of November, etc. ensure 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 an Eco- friendly life.

The Green, Environmental and Energy Audit / Initiative

The Green, Environmental and Energy Audit of the college is done by **Rekhapalli Environmental Solutions & Technologies Pvt Ltd**. The initiative regarding this is taken by the Department of Environment Science of the college.