



Adusumilli Gopalakrishnaiah & Sugarcane Growers Siddhartha Degree College of Arts & Science

Vuyyuru – 521165, Krishna District, Andhra Pradesh

(An Autonomous College in the Jurisdiction of Krishna University, Machilipatnam)

Accredited by NAAC with “A” Grade

ISO 9001:2015 Certified Institution

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Green Campus Policy

A. About the College:

A.G. & S.G. Siddhartha Arts & Science Degree College, Vuyyuru was established in 1975 by the Adusumilli Gopalakrishnaiah Technological Association on the request of many farmers of the area growing sugarcane with the support of local philanthropists and sugarcane growers of the area. Subsequently, "Velagapudi Ramakrishna and Sugarcane Growers Educational and Welfare Society" was formed to obtain financial support to the institution. The KCP Management which was looking after the institution found it difficult to support it any longer because their attention was confined to industries and hence they approached Siddhartha Academy of General & Technical Education, Vijayawada, a well known Society that started and has been running more than a dozen educational institutions ever since the year 1975 to take over the Degree and Junior Colleges into their fold through a process of amalgamation of their Society with Siddhartha Academy. Accordingly, the institution has come to be managed by Siddhartha Academy with effect from May 2001. The college is located in an independent campus of more than 13 acres in the centre of the town in ideal surroundings.

The college has a qualified and experienced faculty who are dedicated to providing quality education to the students. The faculty members are experts in their respective fields and adopt innovative teaching methods to facilitate effective learning. The college also focuses on research and encourages students and faculty to engage in research activities, publish research papers, and participate in conferences and seminars.

B. Mission:

To create a sustainable and environmentally responsible learning and living environment that promotes ecological stewardship and prepares students for a greener future.

C. Objectives:

The objectives of green campus policy are to provide a framework and set clear goals for implementing sustainable practices and promoting environmental stewardship within a college campus. While specific objectives may vary depending on the institution, here are some common objectives of a green campus policy:

- ✓ Environmental sustainability: The primary objective is to prioritize and promote environmental sustainability by reducing the campus's ecological footprint and minimizing its impact on the environment. This includes reducing energy consumption, greenhouse gas emissions, water usage, and waste generation.

- ✓ Resource conservation: The policy aims to promote the efficient use of resources such as energy, water, and materials. This involves implementing energy-saving technologies, adopting water conservation measures, and promoting recycling and waste reduction initiatives.
- ✓ Green building and infrastructure: An objective is to promote the design, construction, and maintenance of green buildings and infrastructure. This includes integrating sustainable design principles, using eco-friendly materials, and adopting energy-efficient systems and technologies.
- ✓ Sustainable transportation: The policy aims to encourage sustainable transportation practices to reduce carbon emissions and alleviate traffic congestion on and around the campus. This may involve promoting alternative transportation options, such as walking, restricted entry of automobiles, usage of bicycles.
- ✓ Environmental education: An objective is to integrate sustainability principles and environmental education into the curriculum. This involves raising awareness among students.

D. Composition of the Committee:

1. Dr. D. Balakrishna, Principal - Chairperson
2. G. Soni, Lecturer in English & IQAC Coordinator- Coordinator
3. Smt. D. A. Kiranmayi, Lecturer in Zoology & Eco-Club Coordinator - Member
4. Student Representatives of the college - Members

E. Initiatives Taken to Implement the Clean and Green Campus Policy:

a) Landscaping with Trees and Plants:

Trees and plants enhance the visual appeal of a college campus, creating a more inviting and beautiful environment. The greenery and varied colours of plants add vibrancy and a sense of tranquillity to the campus, making it a more pleasant place for students, staff, and visitors. Our college has a beautiful landscape with mix of very old trees, middle aged trees, young trees or saplings and herbs and shrubs. Utmost care is taken to develop and maintain green landscaping by trained gardeners. The lawns and the trees provide shade and beautiful ambience. Being surrounded by nature has been shown to reduce stress levels, improve mood, and enhance overall mental well-being. Trees and plants create a soothing and calming atmosphere that can contribute to a healthier and more balanced state of mind among students and staff.

b) Ban on Single-Use Plastic:

Ban on plastic is strictly followed in our college, Single-use plastic items, bottles, carry bags, spoons, straws and cups are banned completely and awareness is created among staff and students.

c) Restricted entry of automobiles:

The College always takes a green agenda. Usage of vehicles in the campus by the staff & students are strictly restricted, they are advised to park their vehicles in appropriate areas and these parking areas are well marked. This creates a safer environment for students, staff to move around the campus without the constant presence of vehicles. Automobile restrictions help alleviate traffic congestion on campus roads and in parking areas. By reducing the number of cars, bikes on campus, there is a decrease in exhaust emissions, which contributes to improved air quality.

d) Use of Bicycles:

Our college students are using bicycles to use as a mode of transport within the campus. It is environment friendly and prevents pollution. Students are motivated about benefits of cycling as it is a form of exercise that provides cardiovascular benefits, strengthens muscles, and improves overall fitness. Bicycles produce zero emissions and do not contribute to air pollution or greenhouse gas emissions.

e) Solar Energy:

Solar energy is a renewable source of power that relies on sunlight, which is abundant and freely available. Unlike fossil fuels, which are finite and contribute to climate change, solar energy can be harnessed indefinitely without depleting natural resources. The scope of solar energy is vast and continues to expand rapidly. A.G. & S.G. Siddhartha Degree College of Arts & Science, Vuyyuru has installed 25 KW Rooftop Solar Power Plants to harness the solar energy since 2015.

f) Wheeling to grid:

Excess (surplus) solar energy generated by rooftop solar modules are exported to the grid of electricity distribution utility (APSPDCL) through net metering and direct saving in electricity bills are availed from electricity distribution utility on monthly basis.

g) Rainwater Harvesting:

The college depends on ground water for all its needs and the daily need of water in the campus. The rainwater from rooftops, paved surfaces, open areas are directing it into the ground through recharge pits, recharge wells. This helps in recharging the groundwater aquifers.

h) Solid waste Management:

The college focuses on the proper management of solid waste, including both degradable and non-degradable waste. It comprises waste collection points, sorting and segregation units, composting facilities for degradable waste and landfill sites for the disposal of non-recyclable waste.

The biodegradable waste is shifted to the Vermi-Compost unit maintained by department of Zoology. This in turn is used for development of Botanical gardens and lawns in the college. Plastics, glass and scrap metal wastes are collected and sold to vendors

i) Liquid waste Management:

The waste water generated by RO plants is being channelized into college garden. Especially, during the rainy season, a lot of rain water floods the campus from all directions. To hold and absorb this running water, the students of NSS and NCC have dug a number of Recharge pits/rain water harvesting pits at all pivotal points in the college and store the water.

j) Water Management:

The Waste water from RO water plant & Rainwater from roof top are recycled for garden in the campus. Drinking water after treating in RO plant is supplied through a separate set of distribution pipes and water for all other purpose is supplied through another set of distribution pipes. The RO water is supplied in the college to all the floors of the main building, Canteen, Library, Ladies Common room and Junior College.

k) E-waste Management:

Not much e-waste is generated in the institution. e-waste generation is reduced by regularly upkeeping IT infrastructure and improving functional efficiency and life span. The e-waste obtained in the campus are reused by the minor/major repairs with professional technicians. Refurbishment of e-waste is also done. Outdated computers are exchanged with latest configuration. The electronic waste in the college like damaged cables, memory cards and CDs are properly disposed of.




PRINCIPAL
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