



Andhra Christian College, Guntur

Affiliated to Acharya Nagarjuna University
Sambasivapet main road, Guntur -522001, A. P. India

E mail: accollegeguntur@ymail.com

website: www.accollegeguntur.com

Criterion: VII

Metric: 7.1.3



6.1.1 The vision and mission of the institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan

ENVIRONMENTAL POLICY

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PRINCIPLES

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.

Objectives of the Go Green Programme:

The first step of the Go Green Programme involves establishing a viable Green-Campus Committee, within the organizational structure of the Institute. Hence, to give this initiative more clarity and authenticity, we now roll out a POLICY DOCUMENT spelling out the strategies, plans and other allied tasks to make this Program functional officially.

We believe that greening the campus is all about sweeping away wasteful inefficiencies and using conventional sources of energies for its daily power needs, correct disposal handling, purchase of environment friendly supplies and effective recycling program. The administration of the Institute believes that everyone has to work out the time bound strategies to implement green campus initiatives. These strategies need to be incorporated into the institutional planning and budgeting processes with the aim of developing a clean and green campus. Every individual of Andhra Christian College Campus will work, may he/she be a student, faculty, and support staff to foster a culture of self-sustainability and make the entire campus environmentally friendly. The Green Campus Initiatives (GCI) will enable the institution to develop the campus as a living laboratory for innovation.

Composition of the Go- Green Committee

1. Principal of the college- Chairperson
2. IQAC Coordinator- Secretary
3. Faculty Representative nominated by the principal
4. Student Representative- General Secretary of the college
5. Non-Teaching Staff Representative- Office Superintendent

6. Industry Representative- Member of Alumni Association.

II Role of the Go- Green Campus Programme:

Green Campus is a cleaner, safer, and healthier place to live and work. The impetus for a successful Green Campus must begin at the top and emanate throughout the rest of the campus. Without a strong message of commitment and involvement from both the Chairperson and Members of the Committee, well-intentioned initiatives may be too fragmented to allow for Institute-wide participation. Thus, in view of this, the committee will plan and execute to:

1. Seek views of all the Stakeholders to make the Go Green Campus initiative functional throughout the year.
2. Conduct the Campus' environmental impacts to identify the targets for improvements.
3. Establish a Green Campus Environmental Ethic Awareness campaigns. A Set forth a Green Campus Mission and a Statement of Principles.
4. Link Green-Campus activities to Academics in the Institute.
5. Organize Awareness Programs for the students, faculty, and society.
6. Chart out a yearly planner for the Institute, local community, and Stakeholders.
7. Develop a strategic plan and create student teams to carry out specific tasks of the strategic plan. For instance, a plan to save energy at the institute level with time bound plan to install Solar Power Station mandatorily either at the top of Institute building or in open field. This will enable the institute to have 24x7 power supply.
8. Phase out the CFL and conventional light source such as bulbs and tube lights, halogen and mercury street/campus lights and get them replace by the LEDs.
9. Conduct an Annual Green, Environment and Energy Audit.
10. Purchase only Energy Efficient Computers viz: "ENERGYSTAR" or any other equivalent.
11. Establish public/private partnerships with personnel from federal, state, and local environmental agencies, utilities, and the business community.
12. Evaluate daily operations in terms of pollution prevention, waste stream management, and energy efficiency reducing, reusing, recycling, and repairing wherever possible.
13. Secure a commitment up front from the people in charge that well-founded recommendations will be acted upon once audits are completed.

III Promotion of “Save Energy Tips” in and outside the Institute:

- Activate power management features on your computer and monitor so that it will go into a low power “sleep” mode when you are not working on it.
- Turn off your monitor when you leave your table.
- Activate power management features on your laser printer.
- Whenever possible, shut down rather than logging off
- Turn off unnecessary lights and use daylight instead.
- Avoid the use of decorative lighting.
- Use LED or compact fluorescent bulbs.
- Keep lights off in conference rooms, classrooms, lecture halls when they are not in use.
- Use the fans only when they are needed.
- Unplug appliances not plugged into power strips (like TVs, Refrigerators, ACs, tea/coffeepots, printers, faxes, and chargers etc.)

IV Waste water Management/ Rainwater harvesting:

The Institute has to work in the direction of waste water management particularly in student's hostels. Water flow restrictors on bathroom faucets and showers, low water flow toilets and automated urinal flushers should be used to cut down campus water use. The Institute will take all necessary measures to implement waste water management /rain water harvesting.

E. Major Green Campus Initiatives:

- ISO Certification 14001:2015
- Installation of Solar Power Station
- Waste water Management/ Rainwater harvesting
- Sensor based energy conservation
- Maintenance of water bodies and distribution system in the campus
- Plastic free Campus
- Tree Plantation Drive
- Cleanliness Drive
- Landscaping and gardens

- Use of LEDs
- Digital Library/ E-Learning Centre
- Organization of sensitization programmes for the stakeholders
- Establishment of Enviro-Club
- Green, Environment and Energy Audit conducted
- Restricted entry of automobiles

The Institute will make all the necessary efforts to involve the students, faculty, and staff in “Green Campus Initiatives” by designating the volunteers of Enviro Club, NSS & NCC cadets.




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Criterion: I

Metric: 6.1.1



6.1.1 The vision and mission of the institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan

ENERGY CONSERVATION POLICY

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Preamble:

Energy and life are in a symbiotic relationship. India's energy demand could double by 2040 with the population growing exponentially. Pursuant to the Environmental Policy 2020 of All India Council of Technical Education (AICTE) educational institutes are to conserve natural environment, develop sustainable solutions and control energy consumption. In addition, educational institutions have to evolve programs and policies that convert the existing environment into a negative-carbon foot print by educating students and employees on environmental issues, concerns, and sustainability to respond to the emerging challenges of sustainable development in the states, nationally, specifically in the energy sector. Thus, it is incumbent on the educational community to practice sustainable energy strategies and research on alternative energies that are favourable on the eco-system. The College's energy policy, framed by the Institution will thus be effective in organizing structured programs to promote awareness on the proper management and conservation of energy those models' being resource- efficient and low-carbon campuses that demonstrate practice for sustainability.

Features in the Campus:

1. Natural Lighting in Classroom
2. Dark Time
3. 100% Power Backup
4. LED Light fixtures
5. Effective peak load management
6. Repair, Re-use and frequent maintenance of equipment to ensure sustainable longevity.
7. Effective maintenances through annual maintenance.

Energy Policy Statement:

The College's energy policy echoes its commitment to the conservation of energy. It sets out the institution's initiatives in conserving energy and sustainable practices in reducing carbon footprint for maintaining an eco- friendly green campus.

Objectives

- Use energy resources efficiently by switching to innovative technologies
- Optimize energy consumption and use cost-effective energy saving practices.
- Implement "Reduce, Reuse and Recycle."
- Regular maintenance by electricians
- Hand-on training to faculty, non-teaching staff, students and facilities to staff to implement energy saving practices.
- Establish ties with industries and conduct a complete energy audit subject to resources and availability.
- Promote awareness on energy conservation among all stakeholders.

Responsibilities and Roles

- i. Faculty and student teachers, technical Staff
- ii. Principal and Management The team should carry out the action plan and ensure that the energy resources are made available and utilized optimally.

Energy Optimization Action Plan

1. Regular monitoring and benchmarking resource use and waste generation.
2. Identifying and setting both short term and long-term energy conservation targets to achieve zero-carbon campus.
3. Use of energy efficient equipment as applicable.
4. Periodic maintenance and replacement of other lights/lighting fixtures to LED
5. When the life cycle of existing equipment ends replace it with energy efficient equipment when necessary.
6. Regular maintenance of electronic equipment and computer equipment to minimize e-Waste, reduce e-waste to minimum before moving on to replace & recycle stage.
7. Maximum use of daylight for indoor illumination and natural ventilation.
8. Operating air conditioning and water coolers on optimum temperature settings.

9. Consider switching to renewable energy specifically solar energy.
10. Adopt a proactive power management mechanism.
11. Arrange and earmark appropriate training for faculty and students on energy management and energy auditing.

Mechanism of Action Plan

The College must regularly assess the areas wherein energy conservation can be implemented and create effective implementation guidelines. Regular monitoring and follow-up must be carried out and documented to understand the patterns in energy usage to inform future energy saving practices.




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