



Andhra Christian College, Guntur

Affiliated to Acharya Nagarjuna University

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**DVV
Clarification**

**Criterion: VII
Metric: 7.1.3**

7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

- 1. Green audit / Environment audit**
- 2. Energy audit**
- 3. Clean and green campus initiatives**
- 4. Beyond the campus environmental promotion activities**

Action taken reports and achievements related to green campus initiatives

Assessment Period 2018 - 2023

Andhra Christian College, Guntur maintains a strong commitment to environmental sustainability and responsible living practices alongside its primary educational objectives. The institution has incorporated a comprehensive Green, Energy, and Environment Audit into its policy framework to ensure that environmental responsibility remains a central focus.

The institution has undertaken external audits. In recognition of the Institution's efforts for sustainable development. The Institution has successfully undergone Environmental Audit for the year 2022-2023 by staff from Government Women's college, Guntur and Department of Botany Acharya Nagarjuna University. Mrs. D Uma, Associate professor in Government women's college visited the campus to evaluate the institution's environmental practices, energy and water resource utilization, and overall green initiatives.

The comprehensive reports provided by the external agency are carefully reviewed by institutional authorities, leading to the implementation of corrective measures and interventions aimed at enhancing the institution's sustainability practices. This holistic approach underscores the institution's commitment to minimizing its environmental footprint and promoting a sustainable and habitable planet.

ACTION TAKEN REPORT 2022-23

The Energy Audit for the academic year 2022-2023 was carried out by M Chandra Sekhar APCPDCL (**Andhra Pradesh Central Power Distribution Corporation Limited**), Guntur. Following the reports provided by the Government agency, the following measures have been implemented:

1. Faculty, staff, and students have actively adhered to clear instructions to disconnect and power off electrical devices when not in use.
2. LED lamps have been successfully installed across the campus, significantly enhancing energy efficiency.
3. Regular maintenance checks on various gadgets and equipment have been instituted to optimize their performance and efficiency.
4. Periodic assessments of water quality are consistently carried out as part of routine procedures.
5. Ongoing efforts have been made to strengthen and improve existing water management practices.
6. Both students and staff members have been actively following green protocols as instructed.
7. Dedicated waste management has been established to oversee and ensure proper waste management procedures on the campus.
8. Initiatives have been launched to establish effective e-waste management practices, including periodical e-waste collection drives and disposal in accordance with the MoU's established norms.
9. Incinerators undergo scheduled maintenance checks on a regular basis.
10. NSS and Eco club, consisting of both students and staff, continues to exhibit a strong interest in tree planting and various environmentally friendly initiatives.

Key Achievements as a result of Sensitization Programs:

- Environment Consciousness awakened among staff and students.
- Green projects and eco-friendly initiatives are undertaken by students with enthusiasm.
- Green protocol is strictly maintained.
- Students take care of the herbal garden
- Wheeling to the grid is maintained to utilize alternate energy sources resourcefully.
- Both staff and students actively engage in the NSS and Eco club activities.
- Various awareness initiatives, including Swachh Bharat Abhiyan, rallies, cleanliness drives, tree planting, and campaigns to reduce plastic usage, are regularly organized in and outside the campus to sensitize the staff, students, stakeholders and public of local area.
- Students have acquired knowledge about composting and plant care.
- Creating a balanced ecosystem, natural habitats are provided for birds.
- The campus has maintained aquariums in natural habitat.
- Communication to staff, students and stakeholders is done mainly through online through WhatsApp groups and e-mails medium to facilitate paperless office.

Major Practices based on Green/Environment & Energy Audits:

Water conservation:

- Low-flow plumbing fixtures, such as pressing taps to minimise water consumption are installed.
- Rain water collected through pipes into borewell to maintain the ground water level in the campus
- Water potability is checked on a quarterly basis and provided drinking water to students and staff through RO plants
- The percolation pit is well-maintained.

Energy Conservation and Management:

- Energy meters have been installed around the campus to monitor electricity consumption.
- The installation of energy-efficient appliances wherever possible is actively promoted.
- Energy-Saving Measures Implemented
- More LED lamps have been replaced in place of TL and CFLs, optimizing energy usage.
- Planning to install energy-efficient fans in the new floors of the building.
- Yearly performance targets are being set.
- Awareness created among students, faculty, and staff increased the results in energy conservation.

Waste Management:

- Solid and Liquid waste is collected by Guntur Municipal corporation. The institute having MoU between the Municipal corporation and Andhra Christian College.
- Paper waste is sold to authorized recycling vendors.
- Shredding and composting are preferred methods for treating paper waste.
- The concept of a 'Plastic-free Campus' has been instilled.
- To reduce waste and carbon footprint, the College has adopted paperless communication methods through WhatsApp and email usage.
- e-waste and hazardous material from old computers collected in a separate room in the department of Physics and sent periodically to ANAND INFOTECH.

Biodiversity Conservation:

The college has a lush green campus and natural topography has been preserved.

- The campus has attracted various bird species.
- Different flora and fauna have been living in the campus fostering enthusiasm.
- Native tree planting initiatives have been expanded.

Reduction of Carbon Footprint:

- Bicycles are promoted.
- CFC-free equipment is consistently used.
- Carpooling and ride-share programs are actively promoted and encouraged.




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ANDHRA CHRISTIAN COLLEGE
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