



**SIR C R REDDY COLLEGE FOR WOMEN**

(Affiliated to ADIKAVI NANNAYA UNIVERSITY, Rajamahendravaram)

An ISO - 9001:2015, 14001:2015, 50001:2018 Certified Institution

UGC 2(f) certified institution

Vatluru, Eluru - 534007

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## *7.1.3 Institutional Environment and Energy Initiatives*

# **ACTION TAKEN REPORT AND ACHIEVEMENT REPORT**

**INSTITUTIONAL VALUES AND BESTPRACTICES**

**Principal**

**Sir C.R.Reddy College for Women**

**Eluru**

Sir c r reddy college for women.is ever conscious about being a good steward of the environment along with pursuing its higher educational goals. A Green living habit helps in making the planet more sustainable and more liveable, making it fit to live in. The institution tries to engrave the green movement into its regular pattern. Hence, the institution has included Green, Energy and Environment Audit in its policy documents ensuring its focus on applying it in the course of action.

With a motive to ensure green movement, the institution conducts a green and energy audit once in every two years internally. The department of Botany is in charge of the internal audit in which the faculty and the students form the committee who take active strides in strictly analysing the green practices of the institution. The report along with the recommendations and proposals for corrections and further improvements are submitted by the auditing committee to the Head of the Institution which is communicated to the staff and students and displayed in the college website.

The institution also conducted five external audits in the periods 2018-2019, 2019-2020, 2020-2021, 2021-2022 and 2022-2023 in collaboration with, Dr. Sunkavalli Go-Vyavasaya vignana samithi-Nachugunta & Divisional forest office social forestry division-Eluru. The personnel from the external agency visited and stayed in the campus to study the campus ecosystem and to analyse the practices of the institution in terms of its utilisation of energy and water resources and its green practices. The detailed reports submitted by the external agency were studied by the institutional authorities and corrective measures were taken and appropriate interventions were done to improve the sustainable practices of the institution.

  
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# ACTION TAKEN REPORT


2022-2023

  
Principal

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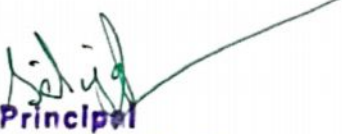
Green, Energy and Environment Audits are conducted by, Dr.Sunkavalli Go-Veyvasaya vignana samithi-Nachuguntain the academic year 2022-2023. As per the report of the auditing agency, the following actions are taken:

- Entered into an MoU with a Govt. recognised agency, Dr. Sunkavalli Go-Veyvasaya vignana samithi-Nachugunta for the proper disposal and management of non-bio degradable wastes.
- CFLs are replaced by LED lamps
- Strict instructions are given to faculty, staff and students to unplug and turn off electrical appliances when not in use or after use
- Regular check-up on the gadgets are done to improve their efficiency
- Periodic water quality assessment is done regularly
- Measures are taken to strengthen the existing water management practices
- Measures are taken to sanitise water coolers
- Wastes produced in each department are quantified and data is prepared for the effective waste management in the campus
- Waste management committees headed by the Principal is formed for the proper monitoring of waste management activities in the campus
- Measures are taken to gain an MoU with a recognized agency for the proper disposal and management of waste
- Measures are taken to effectively implement green protocol in the campus
- Maintenance of compost pit are done as per their commendations in the waste audit

  
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# ACTION TAKEN REPORT

2021-2022

  
Principal  
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Green, Energy and Environment Audits are conducted by Dr. Sunkavalli Go-veyvasaya vignana samithi Nachugunta. in the academic year 2021-2022. As per the report of the auditing agency, the following actions are taken:

- Entered into an MoU with a Govt. recognised agency, Dr. Sunkavalli Go-Vyevasaya vignana samithi-Nachugunta for the proper disposal and management of non-bio degradable wastes.
- Strict instructions are given to faculty, staff and students to unplug and turn off electrical appliances when not in use or after use.
- Solar sensitive lamps are installed in the campus.
- Regular check-up on the gadgets are done to improve their efficiency.
- Periodic water quality assessment is done regularly.
- Measures are taken to strengthen the existing water management practices.
- Wastes produced in each department are quantified and data is prepared for the effective waste management in the campus.
- Students and staff are given strict instructions to follow Green protocol.
- Waste management committee is assigned for the proper monitoring of waste management activities in the campus.
- Initiatives are taken effectively to configure waste management.
- Maintenance of compost pit done as per the recommendations in the waste audit.
- Maintenance of the Botanical garden, medicinal garden, spice garden has been upgraded and students are assigned to check on it regularly.

  
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# ACTION TAKEN REPORT

2020-2021



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Green, Energy and Environment Audits are conducted by Dr. Sunkavalli Go-veyavasaya vignana samithi-Nachugunta in the academic year 2020-2021. As per the report of the auditing agency, the following actions are taken:

- Entered into an MoU with a Govt. recognised agency, Dr. Sunkavalli Go-Veyavasaya vignanasamithi- Nachugunta for the proper disposal and management of non biodegradable wastes.
- Strict instructions are given to faculty, staff and students to unplug and turn off electrical appliances when not in use or after use.
- Solar sensitive lamps are installed in the campus.
- Regular check-up on the gadgets are done to improve their efficiency.
- Periodic water quality assessment is done regularly.
- Measures are taken to strengthen the existing water management practices.
- Wastes produced in each department are quantified and data is prepared for the effective waste management in the campus.
- Students and staff are given strict instructions to follow Green protocol.
- Waste management committee is assigned for the proper monitoring of waste management activities in the campus.
- Initiatives are taken effectively to configure waste management.
- Maintenance of compost pit done as per the recommendations in the waste audit.
- Maintenance of the Botanical garden, medicinal garden, spice garden has been upgraded and students are assigned to check on it regularly.

  
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# **ACTION TAKEN REPORT**

**2019-2020**

  
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Green, Energy and Environment Audits are conducted by Dr. Sunkavalli Go-veyavasaya vignana samithi-Nachugunta in the academic year 2019-2020. As per the report of the auditing agency, the following actions are taken:

- Entered into an MoU with a Govt. recognised agency, Dr. Sunkavalli Go-Vyevasaya vignanasamithi- Nachugunta for the proper disposal and management of non biodegradable wastes.
- Strict instructions are given to faculty, staff and students to un plug and turn off electrical appliances when not in use or after use.
- Solar sensitive lamps are installed in the campus.
- Regular check-up on the gadgets are done to improve their efficiency.
- Periodic water quality assessment is done regularly.
- Measures are taken to strengthen the existing water management practices.
- Wastes produced in each department are quantified and data is prepared for the effective waste management in the campus.
- Students and staff are given strict instructions to follow Green protocol.
- Waste management committee is assigned for the proper monitoring of waste management activities in the campus.
- Initiatives are taken effectively to configure- waste management.
- A new incinerator has been installed to meet the increasing needs of waste management
- Maintenance of compost pit done as per the recommendations in the waste audit.
- Maintenance of the Botanical garden, medicinal garden spice garden has been upgraded and students are assigned to check on it regularly.

  
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# **ACTION TAKEN REPORT**

**2018-2019**

  
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Green, Energy and Environment Audits are conducted by Divisional forest office, social forestry division eluru in the academic year 2018-2019. As per the report of the auditing agency, the following actions are taken:

- Entered into an MoU with a Govt. recognised agency, Dr. Sunkavalli Go-Veyavasaya vignana samithi-Nachugunta for the proper disposal and management of non bio degradable wastes.
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# ACHIEVEMENT REPORT

  
Principal  
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## Major Achievements as a result of Sensitisation Programmes:

- ❖ **Environment Consciousness** awakened among staff and students
- ❖ **Green projects and eco-friendly initiatives** are undertaken by students with enthusiasm
- ❖ **Green protocol** is strictly maintained
- ❖ **Wheeling to the grid** is launched to utilize alternate energy sources resource fully
- ❖ **Solar Panel is upgraded to 8KW** capacity from 3KW
- ❖ **Paper usage** has reduced as no unnecessary prints are taken by staff.
- ❖ Wherever possible, both sides of Papers are used as well as rough papers are used.
- ❖ Tree plantation is carried out in campus from time to time. This has helped improving the air quality, reducing pollution, maintain ecological balance and also helped in preventing soil erosion.
- ❖ Plastic free activities have helped in generation of minimum plastic waste in the campus. Through notices, students are informed not to use plastics, and also it is monitored that no plastic bags are used by the students and staff as well.
- ❖ Campus and building is always maintained in a clean state regular cleaning is done by the assigned staff. Besides Eco club has helped instill a sense of importance of cleaning and hygiene in students.
- ❖ Plantation drives Had been organized time to time in and around the campus by the institute in association with Eco club & NSS unit Students and staff members participated in these plantation programme with great enthusiasm.
- ❖ Name plates containing local name, botanical names and the family, QR code has been displayed on the plants with in campus of the institute.
- ❖ **Swachchatha Andhra mission** certificate of appreciation has been awarded in recognition of valuable contribution in achieving objectives of Swaccha Andhra mission.
- ❖ Certificate awarded for active participation and contribution towards the young naturalist of Andhra pradesh project conducted by INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH ,TIRUPATI between 1<sup>st</sup> December 2021 to 31<sup>st</sup> May 2022.

  
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## **Major Practices based on Environment, Energy and Waste Audit:**

### **Energy Conservation**

- ❖ Purchased energy-saving appliances to conserve energy in the science departments
- ❖ Annual check-ups on the gadgets are done to improve their efficiency.
- ❖ CFL lamps and filament lamps are replaced with LED bulbs through KSEB's energy saving program.
- ❖ Awareness is given to staff and students to unplug and turn off electrical appliances when not in use or after use.

### **Water Audit**

- ❖ Water coolers installed in all departments
- ❖ Periodic water quality assessment is done as part of the internal and external audit
- ❖ For re-strengthening the existing water management practices, awareness programmes are given periodically and also posters displayed for the same in the campus.
- ❖ High quality pipes for collecting waste water from the labs are installed
- ❖ Chlorination of main water sources is done regularly

### **Waste Audit**

- ❖ Health Checkup and Health Awareness class organized for support staff
- ❖ Periodic appraisal of different kinds of waste and its quantified data are collected for the effective waste management in the campus.
- ❖ A waste management committee is established comprising the Principal, Vice Principal, Manger, two faculty coordinators and two student representatives
- ❖ Construction and Demolition wastes are handed over to merchants for reuse of the materials and for proper disposal.
- ❖ Organic manure produced from the biogas and vermi compost are used for farming and horticulture in the hostel premises.

  
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- ❖ Management is paying much attention to the effective implementation of green protocols in the campus.
- ❖ Color-coded waste bins are kept for the waste segregation
- ❖ Electronic wastes and hazardous wastes are handed over to authorized waste collection centers that are approved by Andhra pardesh State Pollution Board
- ❖ In order to popularize Waste Management themes, days and years of importance are celebrated and various campaigns are undertaken by departments, cells and clubs of the college.

### **Biodiversity Audit**

- ❖ Various native trees are planted inside the campus. Periodic monitoring and removal of alien and invasive species enhances restoration of native and wetland species.
- ❖ Regeneration of the endemic and native species is done where verities' possible.
- ❖ Garden wastes out of trimming are put in the bio gas plant.
- ❖ Excess seedlings which come after the distribution to students in the campus are planted in the public places
- ❖ Various competitions are organized for the students to familiarize with the flora and fauna of the campus. Periodical update on the campus bird count are done by the zoology department

### **Constitution of a campus green policy**

- ★ The green policy is revitalized and strengthened by giving stress to emission reduction and the adoption of green substitutes

  
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