GREEN POLICY



SIR C R REDDY COLLEGE FOR WOMEN
(Affiliated to Adikavi Nannaya University, Rajamahendravaram)
Vatluru (post), Pedapadu mandal, Eluru Dist (AP)

(Affiliated to ADIKAVI NANNAYA UNIVERSITY, Rajamahendravaram)
An ISO - 9001:2015, 14001:2015, 50001:2018 Certified Institution
Included under section 2(f) of UGC

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Green Policy

1. Preamble

Sir CR Reddy College for Women, Eluru is committed to protect and conserve the environment by adopting a stringent green policy in accordance with the National Environment Policy. It constantly endeavors to maintain an eco-friendly green campus and inculcate the idea of sustainable development in the minds of youth and train them in the management of renewable and nonrenewable resources and waste for a safe and healthy environment for the present and future generations.

2. Scope

All the stakeholders of Sir CR Reddy College for Women, Management, staff, students and those who use the campus shall adhere to the green policy and code stated herein.

3. Committees, Composition, Roles and Responsibilities

3.1 Composition of Institutional Green Committee

- i. Principal (ex-officio Chairman)
- ii. Vice Principal (ex- officio Chairman)
- iii. Office Superintendent
- iv. Convener Infrastructure Development (ex-officio Chairman)
- v. (Senior Faculty Nominee)
- vi. Members (Faculty Member Nominees)
- vii. External member (Industry Nominee)
- vii. Student Coordinators

3.2 Role and Responsibilities

- i) The institutional Green Committee shall perform the role of overall planning, executing and monitoring of the ecofriendly initiatives of the institution. ii) Promote environmental consciousness and sustainability among stake holders and theneighborhood community
- iii) Identification and implementation of alternative sources of energy and energy conservationmeasures

- iv) Implementation of effective waste management mechanisms to minimize pollution
- v) Identification and implementation of water conservation measures vi) Undertake and monitor green initiatives in the campus
- vii) Review and implement the suggestions arising out of Green Audit

4 Energy Management Policy

It is imperative that the members of the institution strive to conserve energy and use alternative sources of energy in order to protect the environment for the present and future generations. Keeping this in mind, the following alternative energy sources have to be harnessed forenvironmental sustainability.

4.1 Solar Energy

Solar energy shall be harnessed through Solar Roof Top PV Systems, ensuring generation of maximum electricity abiding by the guidelines of Commission of Alternate Sources of Energy (CASE) under the Ministry of New and Renewable Energy (MNRE), Government of India.

4.2 Sensor Based Energy Conservation

Implementation of smart technology to conserve energy in the form of using sensor based mecha for lights, fans and other equipment which utilize minimum electricity to be used in an extensive manner.

4.4 Power Efficiency

To ensure power efficiency, all new con shall be planned to operate with a lighting and adequate cross ventilation to avoid artificial lighting and power consumption in the campus, the college shall identify power office equipment.

4.4.1 Usage of LED Lights

As an energy efficient institution, all new constructions shall be equipped with LED bulb. The existing lighting facilities in classrooms, laboratories, auditoria, halls and corridors shall be replaced with LED bulbs

4.4.2 Usage of Power Efficient Equipment

As an institutional best practice, only star rated equipment-refrigerator, air conditioners, microwave, deep freezers, etc. shall be procured. The computer labs, staff rooms and offices shall utilize LED monitors. Moreover, the existing TFT monitors shall be phased out gradually.

4. Waste Management Policy

One of the key focus areas of the green policy is systematic waste management. "The institution endeavors to comply with waste management legislations, reduce waste generated in the campus reduce environmental impact through segregation, reuse, recycling and composting of waste AU the stake holders

of the institution are oriented about the importance of a clean green campus through orientations, circulars and notices in prominent places In addition to this, there shall be a systematic mechanism for solid and liquid waste segregation, characterization, minimization, collection, separation, treatment and disposal.

5.1 Management of Biodegradable Waste

- 5.1.1. Institution shall adopt composting methods and the compost generated from this will be used as bio-fertilizer for nurturing the flora in the campus. Besidesthis. The institution shall also look into the possibility of generating biogas from biodegradable waste.
- 5.1.2 The institution shall have a systematic mechanism for reducing, recycling and reusing non-biodegradable waste to minimize environmental pollution

5.2 Solid Waste Management

The solid waste management practices of the institution shall follow the guidelines of the International Institute of Waste Management. A structured, systematic and multi-level solid waste management process has to be implemented by following the norms below:

- i. Waste segregation and collection at every level of the organization has to be done through color coded and labelled bins have to be placed in the classrooms, auditoria, cafeteria, laboratories, corridors, wash rooms, quadrangle and parks.
- ii. Exclusive support staff should be appointed for waste collection, segregation, treatment or disposal.
- iii. The paper waste collected shall be sent to an authorized recycling unit.
- iv. The plastic and glass waste should be given to Corporationauthorized plastic waste collectionCorporationcentres. v. Wet waste shall be treated through vermicomposting and resulting vermicompost to be used as biofertilizer.
- vi. Incinerators shall be used to dispose needles, sharps and sanitary napkins.

5.3 Liquid Waste Management

The institution shall have a sewage treatment plant to recycle liquid waste, and the toxic liquid waste from the laboratories should be rendered non-toxic using methods as bioremediation & phytoremediation.

5.4 Biomedical Waste Management

Institution should manage biomedical waste of laboratory origin with utmost care and shall be disposed in a manner to contain potential infection and to protect the environment. The following norms will be implemented for the management of biomedical waste.

- i. Laboratories shall display biosafety protocols for safe handling and disposal of biomedical waste.
- ii. Biomedical waste, other than sharps, should be collected in strong containers (labeled red)that prevent breakage.
- iii. Discarded sharps should be collected in separate boxes.

- iv. Only trained laboratory personnel are authorized to handle biomedical waste with standard precautions.
- v. The segregated biomedical waste should not be stored beyond the standard time limit.
- vi. Biomedical waste should be incinerated or autoclayed or treated with disinfectants to prevent any environmental hazards.

5.5 E-Waste Management

The IT maintenance department is responsible for e-waste management. A structured plan of e waste management shall be devised at the procurement stage itself. The following norms will be implemented for e-waste management.

- i. An MoU shall be signed with an authorized e-vendor for the timely collection and recyclingof e-waste.
- ii. The maintenance department shall make arrangements for the annual collection and disposal of the e-waste.
- iii. Obsolete equipment shall be used for learning the hardware component.

5.6 Hazardous Chemicals and Radioactive Waste Management

Institution shall implement effective mechanisms to prevent ignitability, corrosively, reactivity and toxicity of hazardous and radioactive waste. The following norms will be implemented for this.

- i. Laboratories shall display protocols for safe handling and disposal of hazardous waste.
- ii. Hazardous waste should be collected in strong containers (labeled red) that prevent breakage.
- iii. Radioactive waste should be collected in labeled protective containers specifically designed to hold radioactive waste.
- iv. Only trained laboratory personnel should be allowed to handle hazardous and radioactivewaste with standard precautions and in a radioactivity prevention chamber.
- v. The segregated hazardous waste should not be stored beyond the standard time limit. vi. Hazardous biological waste should be autoclaved and disposed following institutional biosafety guidelines.
- vii. Hazardous chemical waste should be neutralized diluted and dispod through separate piping leading to separate collection tanks outside the building viii. Radioactive waste should be disposed following standard biosafety guidelines given in Safe Disposal of Radioactive Want Rules, 1987 of the Department of Atomic Energy

6.Waste Recycling System

Institution shall have a waste recycling mechanism that will enable the reuse of potentially useful material and reduce the consumption of additional raw material, this will in turn conserve energy and reduce pollution.

6.1 Solid Waste Recycling System

The following norms will be imp med for recycling solid waste

- i. Major points of paper waste generation have to be identified, collected and sent to the authorized paper recycling unit.
- ii. Major points of plastic waste generation have to be identified, collected and sent to authorized plastic recycling units
- iii. The institution shall not use thermocol for any purpose
- iv. Metal scrap shall be recycled through authorized vendors
- v. Wood scrap shall be recycled into new furniture.
- vi. Reusable construction waste has to be recycled.

6.2 Liquid Waste Recycling

The following norms will be implemented for recycling liquid waste

- i. The sewage water generated shall be recycled after treatment in a sewage treatment facility.
- ii. There should a provision to harvest and reuse train water.
- iii. The water generated as waste during purification of water from Reverse Osmosis Units shall be recycled and used.

7. Water Conservation

The institution shall strive to conserve water and recycle the used water. Towards this end, a systematic, well-planned, structured mechanism shall be implemented to conserve water in all forms.

7.1 Rain Water Harvesting

The following norms will be implemented for rain water harvesting:

- i. The rain water shall fulfill a substantial requirement of water usage in the campus.
- ii. The water from annual rainfall should be collected to the maximum.
- iii. A well formulated scientific mechanism of collecting, filtering and storing harvested water shall be planned and executed.
- iv. Exclusive rainwater storage tanks shall be constructed and shall serve as secondary sourceof water.

7.2 Bore well/Open Well Recharge

The bore wells shall be drilled only when necessary, and the existing bore wells shall be replenished by constructing recharge pits.

7.3 Construction of Tanks and Bunds

Institution shall construct additional storage tank/bund to store excess water that can be rechanneled during heavy rains.

7.4 Maintenance of Water Bodies and Distribution System

Institution shall effectively maintain and protect water bodies present in the campus, and shall install a proper distribution system for the usage of the stored water.

8 Green Campus

The institution should take initiatives to foster a culture of environment consciousness and sustainability among its stakeholders, and should maintain an environment friendly campus with adequate measure and practices.

8.1 Green Campus Certification

The institution shall have a long term commitment to continuous environmental improvement from the campus community. It shall strive to meet national benchmarks in environment protection and obtain green certification.

8.2 Restricted Entry of Automobiles

Institution shall restrict vehicular entry to a minimum in campus area to reduce pollution, and majority of areas of the campus shall be accessible by foot, bicycles or e-vehicles

8.3 Usage of Bicycles

Members of the institution shall be encouraged to use bicycles for commuting.

8.4 Usage of Battery-Powered Vehicles (Electric Vehicles) Institution shall encourage its members to use electric vehicles for commuting. Transportation within the campus shall be provided through e-vehicles to reduce carbon emission. A charging point shall be set up for the convenience of recharging electric vehicles. The e-vehicles of the institution shall also meet the transportation needs of divyangjan students and guests.

8.5 Pedestrian Friendly Pathways

There shall be exclusive pathways for pedestrians with restriction on vehicular entry for safe movement. Signs shall indicate pathways for pedestrians and vehicles, respectively. The pedestrian pathways shall be maintained with green coverage.

8.6 Ban on Plastic Usage

The institution shall follow "zero single use plastic usage' policy in all the campus facilities. Efforts shall be made to curb the usage of other forms of plastic of less than 50 microns. Tangible alternatives shall be sought to single use disposable plastics from the concept of reuse to compostable products.

8.7 Landscaping with Trees and Plants

There shall be campus landscape design and maintenance plan as a part of the institutional strategic plan that contributes to pollution free campus ecosystem. Adequate attention shall be given to develop lawns and parks and there shall be no compromise on green space during infrastructural development. Documentation of

flora shall be maintained. A separate space shall be allocated for herbal garden for ornamental and functional purposes.

8.8 Clean and Green campus Institution shall take conscientious effort to make members aware about the significance of clean and green campus. There shall be a campus manager to monitor the cleanliness of the campus, and adequate manpower shall be recruited for the upkeep and cleanliness. Moreover, efforts shall be made to adopt green cleaning practices.

9. Quality Audit

Utilizing the national benchmarks of green campuses, the institution shall have an internal mechanism for auditing green and sustainability initiatives.

9.1 Quality Audit - Green campus

Green audit shall be carried out to improve the environmental condition of the institution. An audit of implementation and effectiveness of green practices has to be done annually. The incremental green coverage of the campus shall also be assessed. This audit shall be carried out to measure institutional practices such as waste management, energy saving practices and water management.

9.2 Quality Audit- Environment

Environment audit shall measure the effects of institutional practices and activities on the environment related to five categories: i) Air issues ii) Water issues iii) Waste iv) Biodiversity and v) Environmental Management System. A systematic audit shall be conducted once a year to improve the institutional ecosystem and reduce adverse environmental effects.

9.3 Quality Audit-Energy

The energy audit shall identify, measure and report energy utilization, energy conservation and power efficiency in the institution. shall be used to understand patterns and areas of energy consumption for improvement of energy saving measures.

10 Green Practices in Academic and Administrative Processes

The institution is responsible for protecting the environment by introducing green and sustainable practices in all academic and administrative processes. The following avenues of healthy practices shall be pursued:

i. The administrative sections shall gradually move towards paperless operations through an e governance mechanism.

- ii. Online communications to be encouraged at all levels using the official e-mail, internalservers and webpage.
- iii. Online payments and fee transactions shall be promoted.
- iv. Online admission process shall be adopted for all programmes. v. E-verification of certificates and documents for students and alumni shall be initiated.
- vi. Establish a data centers for faculty, student and cloud based education management.
- vii. Component of online based examination shall be increased gradually.
- viii. In house learning management system shall be set up to promote online and blended learning.
- ix. The college shall reduce paper and printing costs by publishing e-handbook, e-prospectus,e-journals and e-magazines.
- x. E certification shall be considered for conferences, workshops, FDPs, value added courses, curricular festivals, cultural and sports activities.
- xi. Students and staff shall be encouraged to register and use National Academic Depository.
- 11. Environment Promotional Activities Beyond Campus The institution has a social responsibility to display sensitivity to issues like climate change and global warming. It is responsible for spreading environmental consciousness in the neighborhood community. The conservation and protection of the environment is the cooperative effort of the institution and local community. The following environment promotional activities shall be undertaken beyond the campus:
- i. Awareness campaigns on protection of biodiversity, environment, water bodies
- ii. Awareness campaigns on energy and water conservation, alternative sources of energy, waste management and zero use of plastic
- iii. Participate in government schemes on environmental protection
- iv. Initiate environmental promotion activities in adopted villages.
- v. Promote UN Sustainable Development Goals in the neighborhood.

Principal
Sir C.R.Reddy College for Women

WASTE MANAGEMENT POLICY



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WASTE MANAGEMENT POLICY

Introduction

(Estd: 1987)

The policy on 'Waste Management Initiatives' formulated in response to Campus commitment to clean environment. The Campus realizes the need of sustainable and circular approach essential in reducing its ecological footprint and providing a safe and healthy work environment for teaching and non-teaching employees, students, and surroundings. Sir C R Reddy College for Women Waste Management Initiatives Policy articulates commitment to reducing its environmental impacts through effective Waste Management and sustainable practices in converting Waste to resource. The Campus strives to work for obtaining a Zero Waste plan thus obtaining its Eco-friendly status through the policy of "reduce, reuse and recycle".

Objectives

The objectives of this policy are to:

- Promote holistic approach of waste management, resource conservation and green initiatives in the campus.
- Ensure that waste management is performed in campus in line with all waste legislative requirements.
- Encourage judicious use of environmental resources to meet the needs and aspirations of the present and future generations.
- Provide clearly defined roles and responsibilities to identify and coordinate each activity related to waste management and green initiatives.
- Disseminate environmental awareness among students and staff members.
- Educating stakeholders on responsible waste management.
- Complying with relevant laws and regulations
- Minimizing waste generation.
- Maximizing recycling and reuse.
- Reducing environmental impact.

Legal and Regulatory Framework

Mention relevant local, national, and international regulations and standards related to waste management. Commitment to compliance with all applicable laws and regulations.



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Responsibilities and Roles

Define the roles and responsibilities of different stakeholders involved in waste management, Such as:

Management and staff
Contractors or waste disposal partners
Health and safety officers
Environmental officers

Waste Segregation and Collection

Provide guidelines on how waste should be sorted and collected.

Define waste categories (e.g., recyclables, organic waste, hazardous waste) and how they should be managed separately.

Specify collection schedules and methods

Action and Plan:

Waste Avoidance and Minimization

In the hierarchy of waste management, waste avoidance and waste minimization must be attempted first, for which dissemination of information on technological options should be a continuing exercise

• Recycling and Reuse

The recyclable material like plastic, tin, glass, paper and others should be handed over either to authorized waste-pickers and recyclers or to the urban local body. Highlight the importance of recycling and reusing materials to reduce waste. Encourage the use of recycled materials in campus operations where applicable.

Waste Disposal

Address proper waste disposal methods, especially for hazardous waste. It is advised that the bio-degradable waste should be processed, treated and disposed of through composting or any other suitable process/technology within the premises as far as practically possible and the non-biodegradable wastes shall be disposed through a responsible waste collector or agency as directed by the local authority.

• Waste Reduction

Encourage practices to minimize waste generation. such as reducing packaging, promoting digital documentation, and considering alternative materials.



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• Awareness and Training

Outline plans for educating employees about the waste management policy and their roles in its implementation.

Provide resources for training and awareness campaigns.

• Monitoring and Reporting

Describe how waste management practices will be monitored for effectiveness and compliance.

Establish a system for reporting incidents, concerns, and successes related to waste management.

• Continuous Improvement

Emphasize the commitment to ongoing improvement in waste management practices. Mention the process for reviewing and updating the policy as needed.

• Communication

Detail how the waste management policy will be communicated to internal and external Stakeholders.

Mention the channels used for sharing information, such as the campus website, internal

Memos, and training sessions.

Water and Wastewater Management

Sir C R Reddy College for Women, shall undertake its best efforts for,

Conserve water through efficient fixtures as well as adopt rainwater harvesting. Minimize Wastage of water in campus. Treat or dispose wastewater originating from campus activities in a sustainable manner as per applicable guidelines by Government Agency. Ensure that the treated effluent may be recycled for irrigation and other purposes.

Action and Plan:

The Liquid waste from the campus consists mainly of domestic sewage from different establishments within the campus. A techno-economic feasibility study can be initiated for arriving at an appropriate solution for establishing Sewage Treatment Plants (STPs).

The effluent water can be utilized for landscaping and non-potable use.

E-Waste Management Rules 2021

These rules outline the proper management and disposal of electronic waste to reduce environmental impact.



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Hazardous and Other Wastes (Management and Transboundary) Rules 2021

These rules govern the management and disposal of hazardous waste, aiming to prevent harm to human health and the environment.

By following this plan, the campus aims to ensure responsible waste management, minimize environmental impact, and comply with governmental regulations related to e-waste, hazardous waste, and biomedical waste.

Conclusion

To achieve the goal of campus sustainability, there is a need to build a 3R culture within the campus community by creating recycling infrastructure and making it convenient for people to practice waste segregation. Waste management programs must ensure that introduction of recycling facilities will not cause over consumption of resources, 3R activities should be promoted with economic and fiscal measures and a ban on single-use packaging under the framework of a clear waste management policy. In the long run, voluntary measures should also be promoted to consistently sensitize and encourage people to reduce waste generation. Additionally, incentive measures could potentially have greater impact on waste reduction and minimization. Campus waste-management policies should use a mix of regulatory and incentive measures along with voluntary participation to establish sustainable loops of resources and waste management.

Principal

Sir C.R.Reddy College for Women

ELURU

Policy Document For Physically Challenged Students



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Policy Document

The policy for the Physically challenged persons of Sir C R Reddy College for Women Institute is in accordance with the principles outlined in the "persons with Disabilities (Equal opportunities, Protection of Rights and Full participation) Act, 1996 enacted by the Government of India.-The institution is against all kinds of discriminations on any grounds including disability. The college intends to advance a comprehensive and inclusive teaching and learning environment in which incapacitated students, or any employees are not distraught or treated unfavorably. The college ensures to design its program, administration, and activities accessible to all the students and staff including the Physically Challenged. It always strives to provide a helping hand towards the Physically Challenged.

The objectives and actions initiated by the college align with Here's a summary of the key points:

Objectives:

- Ensure adherence to rules, regulations, and policies of the States and Central Governments to facilitate the admission of persons with disabilities.
- Provide counseling to Physically Challenged individuals within the institute to enhance learning and support.
- Create awareness about the needs of persons with disabilities and address general issues concerning disabilities.
- Provide equal educational opportunities to disabled persons within the institute.
- Ensure infrastructural needs are met to enable easy access to classrooms, Laboratories, toilets, etc., for Physically Challenged students.
- Explore full participation and equality for educated disabilities graduates, seeking suitable placement opportunities in both public and private sector enterprises.
- Provide adequate support to learners with disabilities, including the right resources and assistive technology.
- Foster responsiveness from leadership, teaching staff, and the institution as a whole to the needs of Physically Challenged students.
- Provide provisions for human assistance, readers, scribes, and soft copies of reading material.
- Establish mechanisms for inquiry and information to address the specific needs of Physically Challenged persons.



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Actions Initiated by the College:

1. Scribe Support:

- Provide scribes for students as per the college norms.
- Extend scribe support to those who are incapable of using hands due to accident or illness.

2. Medical Room Allocation:

 Allocate medical rooms for Physically Challenged students on the ground floor for easy accessibility.

3. Ramps and Railings:

 Install ramps with railings on both sides in almost all departments to facilitate the movement of tricycles directly to classrooms.

4. Communication Facilitation:

 Provide contact information with phone numbers to facilitate communication and address other requirements.

5. Continuous Monitoring:

 Commit to continuously monitor facilities and provide assistance to Physically Challenged persons.

6. On-campus Medical Facility:

Offer on-campus medical facilities for the well-being of students.

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