

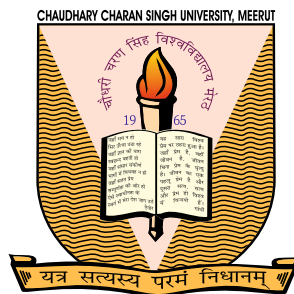


Chaudhary Charan Singh University, Meerut (U.P.) India



ENVIRONMENT POLICY 2022





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**Chaudhary Charan Singh University
Meerut, (Uttar Pradesh), India**



MESSAGE



Hearty felicitations to the environment conscious unit of Chaudhary Charan Singh University i. e. the ultimate platform of higher learning. This is probably the best era, to rise up to cater to the care of planet Earth. Chaudhary Charan Singh University is eco-friendly and committed to build scenario of green environment. The university assure the adaptation of time trusted measures like rainwater harvesting, water recycling, solid waste management, conservation and efficient use to energy along with sustainable buildings.

Chaudhary Charan Singh University take the place to raise an environment conscious community of educated fraternity comprising the faculty staff and student at large. Each one would adopt sustainable practices to make our surroundings lush green and crystal clean. The green University policy think green, go green has been consolidated with the visionary for site and ultimate optimism, it promises to make our surroundings not only green but also voluminously green.

This realistic policy has been introduced with in-depth vision. There will be whole hearted involvement of faculty, staff and student in promoting awareness towards protection of environment.

It is my genuine wish that these concerted efforts will help create a long lasting effect in accordance with energy efficiency, waste management, biodiversity, sustainable ability and eco-biological balance.

(Sangeeta Shukla)



MESSAGE



Indeed it's a matter of pleasure to welcome you all the Environment Policy of Chaudhary Charan Singh University. As per United Nations Environment Programme, this is probably the best period to care our planet Earth. It is also in the context to National Environment Policy 2006 (NEP-2006) of India, Chaudhary Charan Singh University is committed to fulfill the goals of NEP in the premises of the University Campus. I am confident that the University shall pursue best practices in the realms of Environment and encourage the sustainable use of community resources.

In support of fulfilling the vision i.e., Ensure to maintain pollution free, safe and healthy environment for staff and students, Promote environmental awareness and sensitivity among the University community, Ensure compliances with all applicable environmental regulations, Ensure and encourage greater commitment to multidisciplinary researches in the environmental issues at local, national and global levels, Participate and contribute to the environment decision-making process at the community level and launching initiatives to promote network cutting across universities and civil society thus assuming the stewardship of the regional environment, the university shall take care all the practices required for achieving the goals of policy.

I extend my best wishes to all the stakeholders who are part of the university and to those also who intend to join us in achieving the goals and maintaining the campus clean, green and pollution free.

(Y. Vimala)

PREFACE

The human economy is engaged in a wide range of activities that are causing enormous damage to the ecosystems that sustain both our species and Earth's legacy of biodiversity. All around us, this is witnessed by pollution, global warming, collapsing fisheries, deforestation, the degradation of agricultural soil, extinctions and endangerment of species, and other damages. Environment literacy can be defined as: "the extent to which people have an objective and well-informed understanding of environmental issues." Today, it is extremely important to have an understanding of environmental issues.

If our community takes constructive actions now, or at least soon, it will not be too late to prevent or repair many of these important environment problems, which threaten the welfare of people and most other species. Within limits, humans are prescient creatures, and our society is capable of implementing a sustainable economy that can support our livelihoods as well as healthy ecosystems.

It is clear, however, that any sustainable economy will involve ways of doing business that are different from those that have recently been dominant. It will also require fundamental changes in the lifestyles of many people. Ultimately, such socio-economic transformations must involve much less use of energy, materials, and other resources, in comparison with what many of us take for granted today. A more respectful attitude toward the natural world is also badly needed.

Achieving such a transformation will depend on citizens having a sound understanding of environmental issues. Any imposition of restrictions on access to resources will initially be uncomfortable for many people. People will be more willing to soften their lifestyle if they understand the reasons for those changes in the context of the livelihoods of future generations and ecological sustainability more generally. With such an understanding, most people will support economic and social changes that conserve the quality of their own and future environments.

A broad-based environment literacy will be a key requirement if a country such as India is to achieve the difficult transition into an ecologically sustainable economy. Within that context, this Environment policy was developed by Chaudhary Charan Singh University to help the universities and colleges and the society to have an objective and well-informed understanding of important environmental issues.

(Sangeeta Shukla)

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Preamble:

The National Environment Policy 2006 (NEP2006) of India reflects commitment to a clean environment as mandated in Article 48 A and 51A(g) of the Indian Constitution. While recognizing the conservation of environmental resources as necessary to secure the livelihood and well-being of one and all, the NEP strives to ensure that people dependent on particular resources obtain better livelihood from their conservation, rather than degradation. The NEP reiterates that only such development is sustainable, which reflects ecological constraints and the imperative of social justice. The NEP takes a comprehensive view of our environmental concerns and also outlines a few guidelines which deserve mention as a preface to Chaudhary Charan Singh University Environment Policy (CCSUEP). In accordance with the India's National Environment Policy, Chaudhary Charan Singh University expresses its commitment to be a positive and creative catalyst in the protection and enhancement of the local and global environment through teaching, research, public service, administrative and support operations. The University is committed to foster a culture of environmental responsibility, both within and outside the university. Thus CCSUEP is hereby crafted to ensure that the protection and improvement of the environment remains the guiding principle for all our activities within and across the University.

Purpose:

The policy statement outlines how the University shall pursue best practices in the realms of environment and encourage the sustainable use of community resources. It sets out the principles, priority areas and procedure for implementation, management and evaluation of the environment plan for the University. The enactment and implementation of this visionary CCSUEP will serve an exemplary model of how universities could assume the stewardship in the advancement of environment within the campus.

Objective:

Environment Policy of Chaudhary Charan Singh University shall focus on the following objectives-

- To provide clean, green environment with suitable management and conservation practices by applying all modern tools and techniques.
- To undertake education and training programmes.
- To carry out appropriate environmental audits and pilot projects.
- To ensure institutional environment and energy initiatives.
- To catalogue / barcode the flora and document the fauna of the campus.

Mission:

In pursuing its environment policy, Chaudhary Charan Singh University shall:

- Ensure to maintain pollution free, safe and healthy environment for staff and students.
- Promote environmental awareness and sensitivity among the University community.
- Ensure compliance with all applicable environmental regulations.
- Ensure and encourage greater commitment to multidisciplinary researches in environmental issues at local, national and global levels.

Participate and contribute to the environmental decision-making process at the community level and launching initiatives to promote network cutting across Universities and civil society thus assuming the stewardship of the regional environment.

Major Focal Areas of Environment Policy:

1. Energy:

The university shall conserve energy by minimizing its usages to significant levels; reduce the university CO₂ footprint by pursuing the low carbon regime pathway. The university shall strive to minimize energy efficiency by applying the new tools and techniques like solar energy on Grid Solar System, LED lights, Solar geysers, Green energy Air Conditioners etc. in existing building, renovations and new construction. It will periodically review its energy resources, energy forms and energy efficiency with a view to cause least environmental impact. It will carry out a continuous programme of energy conservation by monitoring the consumption and eliminating redundant or avoidable energy loss.

2. Water:

The University shall conserve water and minimize its use through efficient management practices. It shall endeavor to use the minimum quantities of water possible in accordance with its activities and shall ensure that the water it uses both supplied and disposed of, the purest condition possible, meeting the statutory requirements. An ongoing programme of water conservation would be instituted to monitor the consumption, reduce the leakage and eliminate the excessive and unnecessary use. The University shall promote efficient water use techniques, such as sprinkler or drip irrigation in its agricultural farms and gardening practices. It shall support practices of rain water harvesting and artificial recharge and revival of traditional methods for enhancing groundwater recharge. Mandatory water harvesting and artificial recharge in all new constructions shall be compiled. The University shall ensure that such design techniques for road surface and infrastructure be applied which enhance groundwater recharge.

3. Waste Management:

The waste management policy of the university shall aim to reduce the generation of waste in all way possible. This will be done by reducing the acquisition of new materials and by re-using and recycling the existing material. It shall attempt to minimize the quantities of polluting effluent and emission to air, land and water and noise, odour and electromagnetic radiation. The University shall also minimize the use of hazardous chemicals and toxic sanitary substances. The University commits to keep the presence of radioactive materials used on campus at reasonable level restricting it only to the essential requirements for research. The University commits to a comprehensive recycling programme as the final step in solid waste reduction.

4. Transport

The University shall mitigate the harmful effects of its traffic on the environment. When travelling to and from the University and outside on University business, all staff and students will be encouraged to walk, use bicycles, public transport and will be discouraged from the single occupancy use of private vehicles. Above all, the University shall encourage the use of bicycles for movements within the campus for students and staff members.

5. Buildings and Estate:

The University recognizes the importance of environmentally responsible practices in developing the physical characteristics of the University. The University shall consider environmental implications in the development, construction, and operation of campus infrastructure, grounds, and buildings. The University shall develop and so maintain its buildings and estate to conserve resources and minimize its negative impact on the environment. It shall ensure that the potential environmental impacts of all its building and/or estate projects will be assessed and minimized. This will include, where possible, the use of building materials from sustainable sources, methods, of construction which make best use of resources and designs which result in low maintenance and high energy efficiency. The University shall also follow the “green building” concept for new construction, and promote vertical instead of horizontal expansion. The University shall work toward the goals of providing landscaping and ground maintenance practices that use vegetation compatible with the local environment and the use integrated pest management techniques. The University shall endeavor to have 33% of its land under tree cover for an effective refuge to flora and fauna endangered due to rampant urbanization.

6. Sustainable Resource Acquisition

The University recognizes that one of the primary methods of exercising its commitment to environmental responsibility is through its resource acquisition choices. The University shall strive to obtain maximum value for its expenditures and shall work towards obtaining the “best value” by balancing short and long-term costs, maintenance, life cycle, and environmental costs in purchasing goods and services. Sustainable purchasing is all about taking environmental and social factors into account in making purchasing decisions. It would also emphasize a careful exploration of the ingredients and components of the products, where they come from and who has made them. Therefore, through its purchasing policies, the University shall seek goods and services, which do least harm to the environment in their production, delivery, packaging, use, re-use, recycling and disposal. It shall seek to purchase from local or regional suppliers which will maximize the University's input to the local community and minimize transport. Purchasing policies will encourage obtaining products that minimize waste production, have high recycled content, use green production methods, demonstrate maximum durability or biodegradability, reparability, energy-efficiency, non-toxicity, and recyclability. The University shall assess as far as possible the environmental impact of all purchases, in terms of raw materials, manufacture, distribution, use and disposal.

7. University Eco-Management and Audit Scheme:

The University has a vision to setup an **Eco-Management and Audit Scheme (EMAS)**, ISO 14001, and to adopt standardized environmental management practices, document their actual use, and to have a credible third party verification of the fact. The University shall encourage adoption of EMS through purchase preference for ISO 14001 goods and services for procurement, except for items reserved for the small-scale sector at any given time.

8. Environmental Auditing:

The University is committed to the environmental audit needs and will try to impart training which will be beneficial to staff and students. For this, University will look forward for opportunity in tying up with Audit Organizations and would also be aware of the future developments taking place in the global scenario. Natural Resource Accounting is an entirely new area in which University shall embark upon and explore different horizons. Carbon credit earning can be a new avenue for revenue generation.

9. Environmental Education, Training and Awareness:

In order to achieve this goal, Chaudhary Charan Singh University shall promote the awareness of environmental and sustainable development issues amongst its staff and students. For this, the University shall provide staff with training in environmental and sustainable development matters, encourage the inclusion of environmental and sustainable development content within academic curricula like short term certificate courses/programmes on Climate Change; Environment Management; Environment Policies in India; Chemical Disaster management; and workshops for target groups like School Students; College Students, Industry and Social Groups. The University shall also promote environment sensitization in the communities at local and regional levels and assist, network and jointly sponsor environment initiatives. Group of students shall be involved with incentive to provide them certificates/prizes for best performers.

10. Publication and Dissemination:

The University shall build partnerships with the local community and national organizations to promote its environmental objectives and communicate and disseminate its environmental performance and activities with the outside community through publications and media. The university shall publish a quarterly e-news letter and Annual Journal based on researches going on within and outside the campus.

Implementation of the Policy:

- ❖ To monitor the **Focal Areas of Environment Policy**, A **Environment Affair Committee (EAF)**, **Environmental Action Committee (EAC)** and **Green Club** shall be constituted consisting of faculties, administrative staffs and the students .
- ❖ Quarterly meetings of **Green Club** shall be arranged by the Coordinator with the permission of Vice Chancellor to review and to ensure consistency with the CCSUEP.
- ❖ **Annual Recurring Budgetary Provision (ARBP)** shall be made by the University to facilitate smooth implementation of CCSUEP
- The role of the EAF shall be to-
 - Develop and recommend programme to meet the objective set for each of the priority areas. Community participation especially the families of Teaching and non teaching shall be encouraged in this process.
 - Establish action groups to develop and recommend programme and performance indicators to monitor progression each of the priority areas. Experts in each of the areas from both within and outside the University shall be consulted wherever desired.
 - Carry out appropriate environmental audits and pilot projects.
 - Display water and energy saving signages everywhere in entire University Campus.
 - Restrict the entries of automobiles .
 - Involve group of students in awareness programme by creating Clean and green campus recognitions / awards (certificates / prizes) for best performers .
 - Seek funding for environmental initiatives from NGOs and Industries.
 - Prepare annual report that includes sections on each of the priority areas presenting a summarizing initiatives undertaken and identifying matters that require particular attention .
 - Undertake education and training programmes to inform the University community about this policy and how its members can meet the objectives set forth in it.
 - Ensure institutional environment and energy initiatives through -
 - Green audit (Energy audit, Environment audit, Beyond the campus environmental promotional activities)
 - Up-gradation of laboratories as per recent advancements.
 - Establish Sewage Treatment Plan (STP) and water recycling.
 - Preparation and release of Environmental Calendar in which all the important Environmental issues shall be depicted .

❖ The role of the **EAC** shall be to-

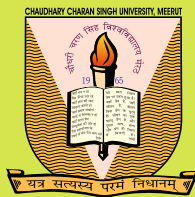
- Ensure to celebrate/observe important Environmental days.
- Ensure chlorination of water tanks and frequent microbiological examination of water supply in the university campus.
- Use of Bicycles/ Battery powered vehicles.
- Pedestrian friendly pathways.
- Discourage the use of plastic.
- Landscaping with trees and plants.
- Facilities for alternate sources of energy and energy conservation measures like solar energy, biogas plant, wheeling to the Grid, sensor-based energy conservation.
- Management of degradable and non -degradable waste like Solidwaste management, Liquid waste management , Biomedicalwaste management.
- E-waste management, Waste recycling system, Hazardous chemicals and radioactive waste management.
- Monitor/established water conservation facilities like Rainwater harvesting, Bore well/Open well recharge, Construction of tanks and bunds.
- Waste water recycling, Maintenance of water bodies and water distribution system.
- Stickerson **“don’t waste food”**, be placed at hostel/other places wherever required.
- Establish worm compost pits in the campus.
- Cataloging and documentation of flora and fauna of the campus.
- Monitor best practices and formulate and publicize environmental **Do’s**and **DON’T**for the residents time to time .

Task Group Members of the Environment Policy:

1. Prof. Sangeeta Shukla, Vice-Chancellor
2. Prof. Vimala Y, Pro Vice-Chancellor
3. Prof. Ashok K. Chaubey, Department of Environmental Science
4. Prof. Vijay Malik, Department of Botany
5. Prof. Rakesh K. Soni, Department of Chemistry
6. Prof. Yogendra Singh, Department of Sociology
7. Prof. Jitendra K. Dhaka, Department of Horticulture
8. Prof. Dinesh Kumar, Department of Economics
9. Prof. Bindu Sharma, Department of Zoology
10. Er. Maneesh Mishra, University Engineer
11. Er. Vikas Tyagi
12. Assistant Registrar (General)

Members of National Advisory Committee:

1. Sandeep K. Malhotra (Retd.), Department of Zoology, Allahabad University, Prayagraj.
2. Prof. R. C. Sharma (Retd.), Department of Environmental Science, HNB Garhwal University, Srinagar, Garhwal.
3. Prof. Piyush Malaviya, Department of Environmental Science, Jammu University, Jammu.
4. Prof. D. S. Malik, Department of Environmental Science, Gurukul Kangri University, Haridwar.
5. Prof. Vineeta Shukla, Department of Zoology, MD University, Rohtak.



CONTACT US



Address

Chaudhary Charan Singh University,
Meerut, Uttar Pradesh-250004



Phone Number

+91 121 2763539



Fax Number

+91 121 2764777



Email Address

registrar@ccsuniversity.ac.in

**CHAUDHARY CHARAN SINGH UNIVERSITY
MEERUT, (UTTAR PRADESH), INDIA**