

Conserve

Green Vision Document



Ver
Prof. Vichitra Gupta
Officiating Principal
Motilal Nehru College (Eve.)
B.J. Road, New Delhi-21.

Motilal Nehru College Evening

Benito Juarez Marg

New Delhi- 110021



Tel.: 24110030

Fax : 24110954

E-Mail:-contact@mlnce.org

MOTILAL NEHRU COLLEGE (Evening)
(UNIVERSITY OF DELHI)

Benito Juarez Road, New Delhi-110021

REF NO./MLN/EVE

Acknowledgement

This Green Vision Document has been prepared in consultation with all stakeholders in the college and has been presented to the staff council for approval. All suggestions of the report are prescriptive in nature and can only be implemented after following due process in appropriate bodies of the college.

I thank all members of the committee and the Staff council for their support.

Received

Submitted by,

Prof. Vichitra Gupta
Principal
Motilal Nehru College Evening

Mr. Prem Kumar
Convenor,
Green vision Document
Committee

Prof. Vichitra Gupta
Officiating Principal
Motilal Nehru College (Eve.)
B.J. Road, New Delhi-21.



Tel.: 24110030

Fax : 24110954

E-Mail:-contact@mlnce.org

MOTILAL NEHRU COLLEGE (Evening)
(UNIVERSITY OF DELHI)

Benito Juarez Road, New Delhi-110021

REF NO./MLN/EVE

Green Vision Committee

Convenor

Mr. Prem Kumar

Members

Dr. Saptarshi Chaudhuri

Mr. Ritesh Kumar

Mr. Debasish Parashar

Ms. Deepika Handa



Content

1. Vision
2. Objective
3. Areas of Intervention
 - i) **Green Cover and Landscaping with Trees**
 - ii) **Water Conservation and Rain water Harvesting**
 - iii) **Power Conservation and Solar Power Adoption**
 - iv) **Plastic Waste Management**
 - v) **Clean Energy and Mobility Solutions**
 - vi) **Soil Erosion**
4. Conclusion



Vision

The world is witnessing numerous socio-political challenges owing to the rapid deterioration of environment and natural eco systems. The challenge is particularly daunting for a developing economy like India where vast millions of Indians need to adjust their livelihoods to the vagaries of climate change and environmental degradation. The Indian government as a signatory of the Paris Climate Accords has developed a framework to achieve the goals of controlling climate change by gradually adopting sustainable development framework.

The college envisages itself as an active stakeholder in accomplishing the environmental goals set by the Government. It attempts to implement the government programs like Swacchta Abhiyan, Nagar Van Scheme and Atal Bhujal Yojna and Green Skill Development Progreame (GSDP), while actively taking initiatives to make the college campus a positive example of these practices.

The vision document 'Conserve' aims to streamline the efforts of the college and gradually build systems that are sensitive to the environment. The document also tries to integrate the staff and students of the college in the larger framework of the struggle in India to reduce carbon foot print and achieve the goals of Paris Agreement.



Objective

1. The college will aim to implement the environmental policy initiatives of the Government.
2. The college will adopt eco-friendly practices in its everyday functioning and make necessary changes to adopt power conservation, water conservation and increase green cover in the campus.
3. Initiative and practices associated with environmental protection will be integrated in the everyday activities of the college.
4. Awareness programs will be organised to spread awareness about the challenges of environmental degradation and best practices to contain it.



Areas of Intervention

Green Cover and Landscaping with Trees:

The College has a lush green campus with a lot of spaces that can be converted into green zones. Planting of trees and plants in and around the college not only aesthetically embellishes the campus but also helps in reducing temperature by introducing shade. The college is actively working on incorporating creepers and indoor plants to reduce temperature inside the College building. Enthusiastic participation of students and teachers is witnessed on plantation drives conducted by the college during the World Environment Day.

While paucity of water poses a challenge for the saplings, the college generally uses drought resistant varieties of plants and is planning to use waste water for watering plants.

Rainwater harvesting and building of check dams might be useful in groundwater recharging which will augment green cover.

The college should also desist from planting foreign breeds like Eucalyptus and other non-native variety of plants that might harm the local ecosystem and kill native varieties of plants.

College should proactively build indoor green plantation to reduce heat and purify indoor environment.

Vichitra
Prof. Vichitra Gupta
Officiating Principal
Motilal Nehru College (Eve.)
B.J. Road, New Delhi-21.



Water Conservation and Rain water Harvesting

The college has already installed rainwater harvesting facility, which needs to be maintained properly. The college should also build check dams and dykes in the rocky section of the college in the backfield to enhance groundwater recharging.

In future the college should actively invest in waterless toilets and water recycling technologies. The technology cost of these innovations appears prohibitive presently, but one should explore routes of corporate CSR and other financing sources to introduce these technologies.



Power Conservation and Solar Power Adoption

The College has already installed solar street lamps which need to be maintained properly.

The college should try to gradually introduce roof top solar power in consultation with the Morning college. The college should avoid investing in battery based system and should focus on the grid integrated system as it is more cost effective and its maintenance is comparatively less complicated

The College should attempt to completely shift to LED based lighting system as they have substantial potential in energy conservation.

The college should incorporate Inverter Air condition technology to reduce power consumption.

The college should also consider the installation of Motion sensor technology in washrooms and corridors for optimal power saving.



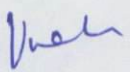
Plastic Waste Management

The Plastic waste in college should be segregated by the green and red segregation bins. The segregated plastic waste can be disposed with the municipal plastic waste.

College should also try to collaborate with non- governmental organisation for plastic management.

We shall focus to create "Green and Clean society" to smash the plastic through creative and think tank activities like Nukkad, Seminars, Poster making competition, slogan campaign. College runs awareness programs on plastic alternatives like bamboo bottle with kulhad, Ecolastic to sensitize students and staff.

The college has installed signboards to discourage use of plastic in general and single use plastic in particular.


Prof. Vichitra Gupta
Officiating Principal
Motilal Nehru College (Eve.)
B.J. Road, New Delhi-21.

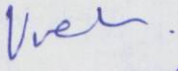


Clean energy and mobility solution

Our college is situated in Delhi, which is world's one of the most polluted cities. The College has decided to take strict action to start a mission on clean Energy initiatives.

College should start clean air campaign. It focused on-

- 1). Use of Public Transport, collage has good connectivity with Delhi Metro route and DTC bus service. Mostly students and staff members use these services. The College students avail DTC bus pass facility.
- 2) Carpool Vikalp: It is another way control pollution as well as to reduce fuel consumption.
3. Shared CNG Autos are plying between South Campus Metro and the College.
4. The college actively uses composting within the campus in order to avoid burning of organic waste.
5. Walking in the workplace has become a novel method of controlling several ailments like BP, diabetes and obesity. Walker friendly pathways have been constructed in the campus to encourage students and staff to increase walking in the campus. Proper landscaping of the pathways with trees have made mobility in the campus in summers soothing and pleasing.
6. Display board restricting Automobile entry inside the college premises should be made mandatory. All faculty members should issued College Vehicle tag to ensure restricted entry of automobiles in Campus.


Prof. Vichitra Gupta
Officiating Principal
Motilal Nehru College (Eve.)
B.J. Road, New Delhi-21.



Soil erosion

"Mitti Bachao is tremendous need of this hour. The mission should be start by college to save fertility and productivity of soil. for this initiative, college should start Vegetation programme, applying mulch matting, promoting use of crushed stones, marbles, wood chips, and more tree plantation.

Use of fibre logs prevent any water or soil from washing away. Proper drainage system can also be helpful.

The college has already started herbal plants and vegetation. Since grass and shrubs are effective at stopping soil erosion so college should focus on this area.



Conclusion

The staff council of the college should form a planning committee which will yearly take stock of the green initiatives taken by the college.

A special fund should be generated and attempts should be made to reach out to corporate and NGO bodies to fund some of the green projects in the college.

The college should take initiative to collaborate with Government bodies and environmental organisations to adopt new eco-friendly techniques that will reduce carbon footprint, improve environment and reduce power consumption.

The Report has been prepared as a guideline for green initiatives in the college. This report only highlights existing technologies and knowhow. As the field of green sustainable technology is an ever changing phenomena therefore the college should form a committee to update the guidelines with time.