



## DON BOSCO COLLEGE KOHIMA

### GREEN CAMPUS INITIATIVE POLICY



#### **DON BOSCO GREEN ALLIANCE**

It is an international collective of young people from Salesian family institutions (134 countries with over 3000 institutions and organizations globally) that contributes to global environmental action, thought and policy.

The Alliance primarily focuses on creating a new generation of environmentally committed citizens and leaders, who ensure an environment that is safe and caring for all life on the planet.

#### **YEAR OF ESTABLISHMENT**

Don Bosco Campus Kohima started initiating 'Green Alliance' project in 2019

#### **DON BOSCO CAMPUS KOHIMA GREEN ALLIANCE**

- The college believes in : *"Let's go green and keep our campus clean"*.
- Don Bosco Campus Kohima uses a "four Pillars" framework that integrates efforts to reduce campus ecological footprints, make campus environment healthier, and get the whole community and the youths and future generation think about solutions to the problems we face.

#### **The four Pillars are:**

1. Strive to be environmentally friendly
2. Sustainable resource use
3. Green campus and healthy space
4. Teach, learn and engage

#### **MISSION**

- To mark the importance of taking responsibility and action to ensure that the world is a better place to live in.
- For monitoring and advising the cleaning staff on good energy practices.

- Understanding how fulfilling once own needs will affect the needs of people in the future.

## **VISION**

- Help students to appreciate their natural environment and learn to live in harmony with it.
- Set an example to the students and the community in reducing the waste of natural resources.
- To strive in making Don Bosco a Green Campus.

## **IMPORTANT ENVIRONMENTAL INITIATIVES IMPLEMENTED IN THE COLLEGE ARE :**

- Use of renewable energy
- Rain water harvesting
- Zero water discharge
- Waste segregation
- Plastic free zone
- Tobacco free zone
- Solid Waste Management
- Liquid Waste Management and
- E-Waste Management
- Vermicompost
- Rain water harvesting
- Solar energy
- Solar sanitary vending machine
- Organic garden

## **DON BOSCO COLLEGE KOHIMA IS COMMITTED TO:**

- 1) Go for plastic-free.
- 2) Use less paper and promote electronic notes.
- 3) Always remember five R's (Refuse, reduce, reuse, re-purpose, and then recycle)
- 4) Go all green on the home front
- 5) Conduct environmental drills for students, nature based outings where they are given specific projects to learn/do from the place where they visit.
- 6) Create awareness on Health and Hygiene, Sanitation, Climate change, deforestation.
- 7) Promote best practices of waste management.
- 8) Observe of environmental day/week/earth day

## **OBJECTIVE OF THE POLICY**

1. To reduce local air pollution emissions using environment-friendly vehicles including bicycles, public transportation and use of pedestrian-friendly roads
2. To count CO<sub>2</sub> emissions generated by our means of transportations- vehicles.
3. To encourage use of advanced technology to minimize energy consumption, atmospheric emissions and noise, particularly from our vehicle fleets.
4. To install photovoltaic solar panels for the generation of alternate energy.
5. To install LED bulbs in the campus to save energy.
6. To develop systematic waste management mechanism.
7. To develop rain water harvesting unit.
8. To undertake tree plantation drive.
9. To maintain organic garden.
10. Landscaping the campus with trees and plants.
11. To educate students and staff on Vermi-composting.
12. To protect and conserve ecological systems and resources within the campus.
13. To engage in dialogue with the government agencies, municipal corporation and the affiliating university and actively work with the local organizations in the areas of environment, energy efficiency and sustainable development
14. To ensure judicious use of environmental resources to meet the needs and aspirations of the present and future generations.
15. To integrate environmental concerns into policies, plans and programmes for social development and outreach activities,

16. To strengthen our employees' and students' environmental knowledge and skills in order to improve our own environmental performance.
17. To provide information and training opportunities on energy saving measures
18. To offer opportunities for employees and students to engage in initiatives those contribute to environmental protection.
19. To work with all stakeholders and the local community to raise awareness and seek the adoption of environmental good practice and the reduction of any adverse effects on the environment.
20. To continuously improve our contribution to climate protection and adaptation to climate change and to the conservation of global resources,
21. To continuously improve the efficient use of all resources, including energy and water, and to reduce consumption and the amount of waste produced, recovering and recycling waste where possible.
22. To make the campus plastic free.
23. To conduct environmental and energy audits from time to time.
24. To train our employees and students through our Bosco Green Alliance to make them 'Go Green Specialists and partners to plant trees each year.
25. To minimize the use of paper in administration through having policy for E-governance.

### **COMPOSITION OF GREEN ENVIRONMENT COMMITTEE**

1. The Principal (Chairman)
2. Co-ordinator (Asst. Professor from the college)
3. Assistant Co-ordinator(Asst. Professor from the college)
4. One person to be nominated by the governing Body of the college for a period of 5 years
5. Dean of Student's Affair (Asst. Professor from the college)
6. Green ambassadors (College students)
7. A member of NGO office

**Term:** Term of Green Environment Committee will be 5 years.

**Meetings:** The Green Environment Committee will meet at least once a year.

The committee will be responsible to ensure the following (Modus operandi)

1. Maintenance of a clean pollution free campus.

2. Creating awareness towards cleanliness and conservation of natural resources amongst students, teachers and employees.
3. Ensure maintenance of greenery on the campus by undertaking tree plantation program on a regular basis.
4. Organize different types of competitions addressing environmental protection and conservation.
5. Invite renowned environmentalists on the campus to deliver expert lectures.
6. Organize rallies in the neighboring area for keeping the residential colonies neat and clean.
7. Coordinate with NSS in interrelated areas covering greenery, pollution free campus and awareness creation activities
8. Proper management of E-waste and handing it over to pollution control board for disposal.
9. Vermicomposting by using the food waste of teacher's quarter and canteen
10. Co-ordinate with the care takers and students to maintain the vermicompost and Organic Garden.
11. The committee will monitor the funds related to
  - Expenditure and income on Organic Garden and Vermicomposting
  - Workshops and Seminars
  - Expenditure on meetings of the Governing body and committees
  - Extension activities

### **Committee on Air Quality**

#### **Composition of Committee on Air Quality**

1. The Principal (Chairman)
2. Co-ordinator (Asst. Professor from the college)
3. Assistant Co-ordinator(Asst. Professor from the college)
4. Two Student volunteer from each Department

#### **Terms of Reference**

1. To check the entry of vehicles inside the campus.
2. To examine and document the evidence available on indoor and outdoor air pollution and its impact.

3. To identify different institutional and individual sources responsible for causing indoor and outdoor air pollution.
4. To suggest ways in which data can be gathered from various government sources which will facilitate studies of the causes and impact of air pollution.
5. To commission such studies as are necessary on the causes and impact of indoor and outdoor air pollution

**Tenure:**The Committee is constituted for a period of one year.

**Meetings:** The Committee will meet once a month.

### **Organic Garden and Vermicompost Committee**

Composition of Committee Organic Garden and Vermicomposting

1. The Principal (Chairman)
2. Co-ordinator (Asst. Professor from the college)
3. Assisstant Co-ordinator(Asst. Professor from the college)
4. Two Student volunteer from each Department.

The committee will be responsible to ensure the following;

1. The committee will monitor the funds related to
  - Expenditure and income on Organic Garden and Vermicomposting
  - Workshops and Seminars
  - Expenditure on meetings of the Governing body and committees
  - Extension activities
2. Co-ordinate with the care takers and students to maintain the vermicompost and Organic Garden.
3. Monthly inspection on Organic garden and Vermicomposting site.
4. To examine and document the evidence available

**Tenure:** The Committee is constituted for a period of one year.

**Meetings:** The Committee will meet once a month.

### **SCOPE OF THE POLICY**

The Green Environment Policies will develop exciting new co-curricular and extracurricular practices that encourage students to take the lead in creating positive change. These initiatives

call for a thorough review of all infrastructural, administrative functions from the standpoints of energy efficiency, sustainability and the environment.

This Green Environment Policy is binding for all the components of the institution and applies to all its stakeholders and to the various activities undertaken by the institution. It will help us to embed efficiency and environmental awareness into our everyday activities, thus helping us to realize our responsibilities and commitment to conservation of natural resources and to limit its usage. Bosco Green Alliance, an official platform devoted to the cause of environmental awareness, to undertake green initiatives, and to conduct green literacy programmes to save energy and to protect the environment.

The focus areas of this policy are:

→ Clean Campus Initiatives

→ Landscaping Initiatives

→ Clean Air Initiatives

Smoking Free Campus

→ Infrastructure

Solar Power Plant

Water Conservation through Rainwater Harvesting System

→ Waste Management processes

Solid Waste Management

Liquid Waste Management

E-Waste Management

→ Awareness Initiatives

→ Environment-centric Student Societies and Department Activities

→ Green Audit

→ Energy Audit

→ Plastic-Free Campus

### **Clean Campus Initiatives**

DBCK had pledged to actively coordinate cleanliness activities in the college and beyond the campus in accordance with the vision of Swachh Bharat Abhiyan.

It commits to continue with this Programme. The broad vision is as follows:

1. Generating mass awareness on cleanliness and hygiene amongst students and staff members by holding regular cleanliness drives. The idea is to motivate them to contribute in a proactive manner.
2. Activities under 'Swachh Bharat Abhiyan' will be a key component of all the community work being done by NSS, NCC and Bosco Green Alliance volunteers of the college.
3. Staff Members will be encouraged to participate in the cleanliness drive in the college campus
4. Events such as poster and slogan competitions, essay writing, spoken word poetry, speeches, and skits on 'Swachh Bharat' will be organised.
5. Rallies on themes connected with 'Swachh Bharat Abhiyan' in and around the college campus will be conducted to create mass awareness.
7. Remove all kinds of waste material like broken furniture, unusable equipment etc.
8. Conduct workshops on the 3Rs: Reduce, reusing and recycling of waste.
9. Administer of the pledge by students and staff members to maintain cleanliness of the college campus and its surrounding areas on an annual basis.
10. Commit to manage waste and maintain clean campus especially during college events.

### **Landscaping Initiatives**

- The campus landscape, like its buildings, can be seen as the physical embodiment of a college's values. It is a vital part of the life of a campus, providing space for study, play, outdoor events, relaxation and aesthetic appreciation. Green campus landscapes also manage runoff, help recharge groundwater, and clean and cool the air on campus. The landscape serves as a visual representation of the campus community's commitment to sustainability. As campus landscapes are so visible and accessible, landscaping initiatives are a great way to build awareness around the environment. The landscape of trees and plants provide the 800+ students and staff with clean and cool air and is a soothing environment.
- The College commits to enriching this healthy habitat and maintaining the symbiotic relation of the institution with nature by organizing annual tree plantation drives.
- Encouraging student societies to hold tree planting events.

### **Clean Air Initiatives**

- Students are restricted from bringing their private vehicle inside the campus.



- Students availing bus service are dropped outside the college gate.
- We encourage our students and staff to use public transportation.
- We encourage carpooling to college, an activity that will control air pollution and strengthen social interaction.
- The entry of automobiles inside the campus is restricted to discourage the use of private vehicles.

### **Smoking Free Campus**

In compliance with the framework provided by the National Tobacco Control Programme (NTCP) 2007-2008, the college prohibits smoking and the use of other tobacco products.

### **Infrastructural Initiatives**

#### **1. Water Conservation through Rainwater Harvesting System**

DBCK has committed itself to give an effort to replenish the groundwater table by practicing rainwater harvesting. This practice helps in the replenishment and recharge of the groundwater.

#### **2. Waste Management Processes**

DBCK strives to have a minimal impact on the environment and is dedicated to reduce and manage the waste generated by the college campus. The following specific procedures will be undertaken to ensure DBCK contribution in protecting the environment.

#### **3. Solid Waste Management**

With its aim to provide holistic education that also has a positive impact on the environment, the college will adopt practices that will mitigate the generation, and manage solid waste through the following methods:

- 3.1. Systematically engage with the 3Rs of environment friendliness (Reduce, Reuse and Recycle).
- 3.2. Collect paper waste produced on campus and collaborate with scrap dealers for recycling.
- 3.3. Reduce solid waste by developing a technology-centric teaching and administrative model.
- 3.4. Reduce use of paper by supporting digitization of attendance and internal assessment records.

3.5. Reduce requirement of printed books by updating the e-books and e-journals collection of the college library.

3.6. Awareness among the students on segregation of waste and practical application by providing different waste colored bins.

3.7. Encourage the students and teachers to use emails for assignment submissions.

3.8. Take initiatives to spread awareness amongst students about

- Food wastage and ways of minimizing it
- Minimizing the use of packaged food
- The habit of reusing and recycling non-biodegradable products
- Organizing workshops for students on solid waste management.

#### **4. Liquid Waste Management**

4.1. Maintain leak proof water fixtures.

4.2. Minimize the use of water by constructing more Indian style toilets instead of western style toilets.

4.3. Continued employment of a caretaker to take immediate steps to stop any water leakage through taps, pipes, tanks, and toilet flush etc.

4.4. Prevention of release and mixing of oil from the college canteen liquid waste in the municipal drainage system by use of Grease trap mechanism. This way the Biochemical Oxygen Demand is reduced in the effluent waste water produced by the DBCK canteen.

4.5. Reuse of wastewater generated by the Reverse Osmosis (RO) system in washrooms.

#### **5. E-Waste Management**

DBCK ensures that its usage of technology and generation of e-waste does not impact the environment. For this purpose, the college plans to strive towards:

- More provisions for the disposal of the institutional e-waste.
- Collaboration with e-waste recycling companies to get electronic waste recycled.
- Awareness amongst students about reduction of e-waste and environment friendly disposal practices for e-waste.
- Encouraging department and society level activities pertaining to e-waste management.
- Yearly collection of e-waste from their respective homes.

### **Awareness Initiatives**

Outreach and education are of utmost importance so that all members of the campus community may value the objectives of the policy and aid in its implementation. This is why DBCK supports and encourages awareness campaigns, seminars, workshops, conferences and other interactive sessions to facilitate effective implementation of the Green Campus, Energy and Environment policies.

### **Environment-centric Student Societies and Department Activities**

DBCK encourages all the departments and specific student societies like Bosco Green Alliance, NSS, NCC, departments and others to organize events, competitions and training sessions that will bring about positive environmental changes at the grass root level. The college supports departments and student societies in molding the students into active agents of environment protection and conservation.

### **Bosco Green Alliance**

Institutional changes towards sustainability and eco-friendly practices have percolated down to the students which have led more and more students to join Bosco Green Alliance. Making the society a compulsory one will provide it a bigger platform to broadcast the institution's environmental values to raise awareness. Because compulsory societies expect the fulfillment of a specified number of hours of work and commitment, this will aid the green initiatives and practices that are a part of this policy to grow exponentially.

### **Conduct Green Audit**

The college aims to regularly conduct a Green Audit of our college campus to assess our strengths and weaknesses to further our goals of long-term sustainability. A green audit is a useful tool to determine how and where most energy or water or resources are being used. The college can then consider how to implement changes and make savings. It can determine the type and volume of waste. Recycling projects or waste minimization plans can be adopted. It will create health consciousness and promote environmental values and ethics. It provides a better understanding of the impact of ecofriendly practices on campus. Green auditing will promote financial savings through reduction of resource use. It is imperative that the college evaluate its own contributions toward a sustainable future.

### **Conduct Energy Audit**

Energy Audit to be conducted as and when required to further reduce its carbon footprint. The importance of reducing energy consumption cannot be overstated. The energy audit, with its specialized tools will identify wastage of energy. Such an inspection often reveals several different flaws which cause a loss of significant amounts of energy which the college will not be able to detect. These flaws often have easy and affordable solutions and provide significant savings.

### **Plastic-Free Campus**

DBCK has been observing most of its duties in terms of solid waste management since its inception. In view of the Government of India's resolution to ban all single use plastics due to the hazardous impact of plastic use and pollution, the college administration are striving towards a 'Plastic Free Campus