

# GREEN CAMPUS

## POLICY



**SRI GURU GRANTH SAHIB WORLD UNIVERSITY**

**FATEHGARH SAHIB**

**PUNJAB, INDIA**

**Dated: 26-11-2018**



## SGGSWU: A Brief Overview

Sri Guru Granth Sahib World University, Fatehgarh Sahib, a project undertaken by the SGPC is a missionary, charitable and humanitarian institution, seeks to impart inclusive education to learners from all creeds, castes and religions. The SGGSWU commenced its first academic session in July 2011. There has been no looking back since then. With all kinds of support from the State and the SGPC, the University has made rapid strides, in a short span of time, to emerge as a premier institution of higher learning in North India. Several innovative academic programmes in the fields of emerging technologies, sciences and humanities are being run by the University for the benefit of the students. Major thrust areas of the University are promotion of value based quality education and research.



### **Aim of the Policy**

The aim of the policy is to implement measures aimed at reducing harmful emissions and promoting environmental sustainability. These measures include restricting vehicle access on campus, providing bicycle facilities for students, and banning single-use plastics under the *Swachh Bharat Abhiyan*. Furthermore, the University aims to enhance biodiversity preservation through the establishment of various gardens and green spaces on campus. Additionally, the institution extends its environmental initiatives to surrounding villages by cultivating kitchen gardens and promoting awareness among students and local communities. Overall, the University strives to maintain a healthy ecosystem while fostering academic excellence.



## Objectives of the Policy

To fulfill the objectives, the University will:

1. Promote environmental sensitivity among students and employees of the University by encouraging their participation in activities related to the environment and its related issues.
2. Follow reduce, reuse and recycle principles to reduce any kind of waste as much as possible.
3. Making the people living in the surrounding understand the importance of conserving the environment.
4. Ensure the adoption of environment friendly practices and measures in the Campus.
5. Enhance biodiversity preservation through the establishment of various gardens and green spaces on campus.
6. Implement measures aimed at reducing harmful emissions and promoting environmental sustainability.
7. Restrict vehicle access on campus and ban single-use plastics under the *Swachh Bharat Abhiyan*.
8. Extend its environmental initiatives to surrounding villages by cultivating kitchen gardens and promoting awareness among students and local communities.
9. Strive to maintain a healthy ecosystem while fostering academic excellence.



### **Initiatives Taken to Implement the Clean and Green Campus Policy**

Green and clean campus is one of the major concerns of Sri Guru Granth Sahib World University. The University is committed to “Zero Waste” and follows the “Reduce-Reuse-Recycle” policy. The following measures are taken to ensure the fair implementation of the policy:

#### **Electricity Conservation**

1. Proper ventilation and glass windows allow natural light in the building and also minimize the usage of artificial light.
2. Use of sensor based technology to reduce the wastage of electricity.

#### **Solid Waste Management**

The University:

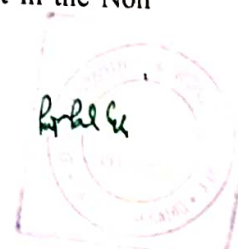
1. Disposes off its solid waste through the **waste collection of the Municipal Council.**
2. Provides **separate bins- blue and green** to segregate dry waste and wet waste which can be dumped into them according to their category.
3. Reduces excess use of paper by **adopting e-learning measures.**
4. Maintains **Composting pits** to decompose biodegradable waste.

#### **Liquid Waste Management:**

The University adheres to the protocol and norms prescribed by the concerned authorities. It is our moral responsibility to dispose of the hazardous liquid in a proper manner. Otherwise, improper liquid waste disposal can seriously damage the environment.

The following measures are taken to manage the liquid waste in the institution:

1. Waste generated due to use of chemicals in production of biological samples, discarded infected secretions, aspirated body fluids, liquid from laboratories are kept in the Non



Chlorinated plastic bags of yellow colour of 50 micron and then, are disposed of by autoclaving.

2. The wastewater is treated by the Sewage Treatment Plant to reuse it for watering plants and grass in lawns.
3. Tanks are used to store waste water from the RO, which is then used in flush tanks of washrooms.

**Biomedical Waste Management (BMW):** Safe and effective management of bio-medical waste is not only a legal necessity but also a social responsibility.

The Biomedical Waste (BMW) at the University is collected, transported, treated and disposed of periodically by an outside agency which is authorized by Punjab Pollution Control Board for this purpose.

#### **E-Waste Management:**

The following measures will be taken to manage the E- Waste in the institution:

To sign an MOU with a Punjab Pollution Control Board authorized e-waste recycler to collect and manage the discarded and broken down computers, printers, UPSs and the like, so that the emission of harmful materials like lithium, lead, zinc etc. can be prevented.

#### **Water Recycling System:**

The Sewage Treatment Plant has been established to reuse the treated water to water plants and grass in lawns.

#### **Hazardous Chemical and Radioactive Waste Management:**

All the radioactive sources are kept in safe custody and used in the presence of experts. Sufficient shielding is available for high strength sources and it is under continuous monitoring of a dosimeter.



### **Landscaping with Trees**

Within the campus, the University commits to maintain a green and clean environment by involving students and faculty and staff of the University. Every year new trees are added to provide an environment friendly campus. To achieve the purpose, the University develops and maintains floral and faunal biodiversity in the campus.

### **Biodiversity**

#### **Floral Diversity**

The following gardens have been developed with an aim to preserve the floral diversity and maintain the ecosystem in the campus:

1. Medicinal/Herbal plant Garden
2. Nutritional Kitchen garden and Crop Cafeteria
3. Fruit orchard
4. Botanical Garden
5. Landscape and Floriculture Garden and the like.

#### **Faunal Diversity**

SGGSW University Campus is rich in biodiversity and made conscious efforts to preserve and protect the natural environment within its premises. This has resulted in flourishing of different animal species, making it a haven for nature enthusiasts and researchers alike. One of the most prominent features of SGGSWU's faunal biodiversity is its avian population. The campus is home to numerous species of birds. The presence of large tracts of green cover, including gardens, trees etc. provide an ideal habitat for these feathered creatures. Birds such as Sparrows, Pigeons, Parrots, Glossy Minas, Crows, Eagles, Woodpeckers and Peacocks etc. are common in



the university premises. For the conservation of faunal biodiversity, the institute has set up birdhouses for birds on numerous trees planted in the campus.

Apart from birds, SGGSWU also hosts several mammalian species which are often seen darting through the lush greenery. These small mammals contribute to the overall biodiversity and play an essential role in maintaining the ecological balance of the area. In addition to the notable fauna mentioned above, SGGSWU also exhibits a wide range of invertebrate fauna like beetles, spiders, ants, and earthworms that are found within the soil and leaf litter, playing crucial roles in nutrient cycling and soil health.

The University's efforts to preserve and protect this biodiversity are commendable, ensuring the maintenance of a healthy and thriving ecosystem.

### **Single-Use Plastic Free Campus**

To make a difference for the environment, in a way our health, the University is dedicated to prohibiting single-use plastic in the campus.

The following measures will be taken to measurably reduce plastic waste and pollution in the institution and its surroundings:

1. Students and the staff of the University are sensitized towards the negative effects of single-use plastic.
2. The University will make every possible effort to enable the environment free of single-use plastic. Students and staff will be encouraged to avoid bringing non-biodegradable plastic items to the University.
3. The University has installed water purifiers all over the campus to prevent students and staff from bringing plastic water bottles.

