

PANJAB UNIVERSITY CONSTRUCTION OFFICE
HORTICULTURE DIVISION

Green Policy of Panjab University

The aim of the Green Policy of Panjab University is to make the Campus clean and green in order to conserve the nature and natural resources available in the Campus.

- i) Green Policy of Panjab University also includes the activities undertaken by the Horticulture Division, sometimes in collaboration with different departments of University to maintain the ecological balance and biodiversity available in the Campus.
- ii) The main motto of Green Policy of Panjab University is “Keep Campus Clean and Green”.
- iii) The Panjab University is one of the oldest Universities in India, established in Lahore in 1982, has a long tradition of excellence in teaching & research in science, technology, humanities, social sciences etc.

Panjab University is located in Sector 14 & 25 of Chandigarh, spreading across an area of almost 550 acre. Out of the total 550 acre around 56% area in Sector 14 and 52.2% area in Sector 25 is green area.

- iv) The green area includes the lawns, parks, open spaces, berms which add greenery to the campus. These are maintained by Horticulture Division which adds more beauty to the Campus.

The ecological plan is so made and executed by the University by landscaping to minimise the impact on the natural habitat of birds, animals, insects etc. and also the plantation is done in such a manner to preserve the local flora and fauna of the ecosystem.

Parks are being created in the Campus, with plantation of trees/shrubs/flowers of different species which blossom throughout the year, for nurturing the insects, specially honey bees, which are essential to maintain the ecosystem.

Some parks developed in the Campus are as following:-

1. **Prof. R.C. Paul Rose Garden:** - More than 100 different varieties of roses with different colours and shapes available in the parks, the path of garden is made out of waste tiles, obtained from various sites of Panjab University.



2. **Prof. G.P. Sharma Herbal Park:** - Different herbs are planted in the park to help in the researchers work and create awareness in the campus residents and students. Some herbal plants planted in the Herbal Parks are aloevera, kalmegh, vinca, lemon grass, stevia, tulsi, mint, rati etc..



3. **Palm Garden:** - The garden includes palm trees of different species. This plantation helps to preserve the various species of palm.



4. **Bougainvillea Park:** - This Park has different flowering and non-flower shrubs native to local environment. These plantations are done in collaboration of NSS wing of the University that involves the students of different departments of the University. The main aim of these initiatives is to encourage the students to participate in the programmes of the University aimed at promoting greenery in the Campus.

5. **Meadows Garden:** - The garden is made in the open land to conserve the existing flora and fauna of the University.

Activities under the Green Policy

The broad area of conserving the environment of the Campus.

1. **Solid Waste Management:** - The University is taking steps to decompose the dry leaves and Horticulture waste originated from the Campus by pits composting as well as open composting by spray of culture developed by Microbiology Department in order to make the compost and this compost is further used in the beds, plants as manure to nurture them. This helps to reduce the waste generated in the campus.



2. Installation of Different bins (blue and green): - Different bins (blue and green) are installed in the Campus at many places in order to segregate the wet and dry waste and these are cleaned every day.



3. Signs/Display Boards: - Display Boards with slogans mentioning the quotes regarding clean and green campus, slogans of Swachh Bharat Abhiyan has been installed at the strategic locations for giving the messages of cleanliness and environment conservation to masses.





4. E-Loader for lifting the waste: - E-Loader being used to lift the waste generated in the Campus in order to reduce the pollution and also makes the process of garbage lifting more efficient as it saves the time spent in refuelling.
5. Solar Lights: - Solar Lights have been installed in Prof. R.C. Paul Rose Garden in view of energy conservations and management.
6. Plantations: - Different species and trees and shrubs indigenous to environment have been planted for maintaining the ecology and greenery of Campus. The Horticulture Division has planted approx. 32000 trees and shrubs in 2019-2020 and more than 28000 trees and shrubs in 2020-2021. This vegetation comprises of natural plants that provide flowers in all seasons. The rich Biodiversity of birds add to more attraction in the Campus.





7. Cleanliness Drives: - Various Cleanliness drives are being organised from time to time in Campus where NSS volunteers, faculty members, local residents are involved under the banner of Swachh Bharat Abhiyaan.



8. Plastic free campus: - Horticulture Division has been circulating the notice to all the departments to discourage the use of single use plastic.

9. Ban on burning of dry leaves: - In view of maintaining air quality of campus, the burning of leaves is totally banned in the campus. Regarding this, notices are also being circulated among all the departments from several years continuously.

10. Disposal of Bio Medical Waste: - The Horticulture Division disposes off 100% Bio Medical waste generated on the labs of various departments by adopting the Solid Waste Management Rules, 2016.
11. Tertiary water for irrigation: - University is also using tertiary water for irrigation of Sector-25, Campus thus conserving the ground water table for the future use.
12. Biogas Plant: - Biogas Plant is being set up by the Dean Student Welfare in order to generate the manure and gas from the kitchen waste generated from the hostels.

Future initiatives under green policy

1. Increasing the plantation in the Campus: - Plantation in the open area with trees/plants/shrubs in order to increase the biodiversity of plants, birds, insects etc..
2. Installation of 3 bin system: - Installing the 3 bin system in order to segregate the waste into wet, dry & hazardous waste.
3. Achieving the zero Horticulture Waste generation in Panjab University: - By recycling the wet waste produced in the campus waste i.e. kitchen, horticulture waste, dry leaves by decomposing into the manure and this manure can further be used in plants for manuring, which in turn enhances the ecological balance and beautify the Campus.
4. Complete segregation of wet and dry waste from the residences of Panjab University.