

# **Tamil Nadu Physical Education and Sports University**

## **Chennai - 600127**

### **GREEN CAMPUS, ENVIRONMENT AND ENERGY USAGE POLICY**

#### **1. Preface :**

Tamil Nadu Physical Education and Sports University protects its own environment with its green campus initiative and keeps pollution free campus. Environment development is its basic work with the educational policies implemented on the campus. Environmental conscious administration, the staff and the students of the University look after the environment carefully.

#### **2. Definition of Terms:**

A Green Campus is a place where environmental friendly practices and education combine to promote sustainable and eco-friendly practices in the campus. The green campus concept offers an institution the opportunity to take the lead in redefining its environmental culture and developing new paradigms by creating sustainable solutions to environmental, social and economic needs of the mankind.

#### **3. Objectives of the Green Campus, environment and energy usage policy:**

- i. To create awareness regarding environmental policy amongst the students and the staff members.
- ii. To maintain pollution free campus by avoiding tobacco, pan-masala, chewing on the campus.  
As per the govt. rules and regulations regarding the instructions of tobacco free campus signboards are displayed at various places on the campus.
- iii. To Use Solar Energy on University Campus by installing Solar Lamps and Solar water Heaters .
- iv. To sensitize the students and staff regarding the use of drinking water properly and other water sources sensibly.
- v. To encourage tree plantation and maintenances of trees in the campus among students and staff.

- v. To bring in use the 'Rain Water Harvesting' on the campus.
- vi. To maximize the use of ICT and minimize the use of paper. It will help to go towards 'Paperless Office'.
- viii. To use the solid waste through vermin-compost on the campus and use it as a fertilizer.
- viii. To use 'Use me' dust bins in the campus so as to keep campus clean
- ix. To protect and nurture the Flora and Fauna on the campus
- x. To maintain green campus, 'Green Audit' is done regularly.

#### **4) Green Campus Environment and Energy Usage Practices in the University**

##### **(a) Restricted Entry of Automobiles:**

The movement of automobiles vehicles such as two wheeler, cars and other heavy vehicles are restricted from the administrative block of the University. The car parking and two wheeler parking are available next to the administrative block so that no vehicles could enter into campus beyond administrative block.

##### **(b) Use of Bicycles/Battery powered vehicles:**

The University encourages the use of bicycles by the students as well as the staff of the University so as to make the campus pollution free.

##### **(c) Pedestrian Friendly Pathways:**

The pedestrian friendly pathway will be added for the people from the main gate to the administrative block of the University campus.

##### **(d) Ban on use of Plastic:**

The University has banned the use of single use plastics inside the campus. In this regard, the plastics awareness day was observed in the university campus so as to make the students and staff known the impact of the uses of single use plastics.

##### **(e) Green Audit:**

The University campus has more than 1,200 well grown trees which make the campus Eco-friendly. The University, with the help of Forest Department, conduct tree plantation drive in the University regularly. An exclusive green house has been setup in the University in which more than one hundred ornamental plants which looks beautiful. Besides these initiatives, lawns

with plants are there in front of the administrative building, science block, hostels & also cycling velodrome. All these efforts make the University campus greenish and eco-friendly. The forest officials visited the campus for conducting the green audit and submitted the report. Wherever possible in the front position of the University buildings such as administrative service block, hostel, indoor stadium and cycling velodrome are landscaped with plants and trees and the same are well maintained.

(f) Energy Audit:

The University ensures that no energy is wasted unnecessarily in its campus. The university has employed adequate man power to monitor energy consumption in the university campus which leads to energy conservation of the total lighting requirements. At least 20% of the lightings is through LED bulbs. The University has decided to replace all the existing bulbs by LED bulbs in another one year. The students of different classes are informed to optimize the use of energy in their respective classes. Further, the University has also taken initiatives to conserve energy through sensor base technology for some of the facilities especially at the Administration Block of the University

(g) Environmental Audit:

The university takes at most care in conserving the environment in the campus through the following initiatives:

- i. The usage of single use plastics is totally banned in the campus.
- ii. All automobiles (two wheelers & four wheelers) are not allowed inside the campus after administrative buildings of the University.
- iii. Parking for both two wheelers and four wheelers are available near to the administrative building of the University.
- iv. Students and Staff are encouraged to use bicycles for local mobility.
- v. Wastages are segregated as biodegradable & non-biodegradable and the same are collected by local panchayat (municipality) people.
- vi. The NSS unit of the university in collaboration with forest officials conducts programmes of planting of trees regularly in the campus.
- vii. The University maintains the ecosystem in such a way that wild birds and animals are safe and free to move around.

viii. The University makes sure that the take and the quarry available inside the campus are not contaminated but protected and preserved carefully.

(h) Beyond the campus environmental promotion activities:

The University recognizes the need for preserving the environment not only within the campus but also beyond the campus through the efforts of students of all courses continuously by the Village Placement Program (VPP). At least one day is fully devoted by the students for exclusively planting of trees in the nearby villages out of the total five days of the Village Placement Program. This is a compulsory academic program for all the final year students. By this initiatives of the University, the schools, temples, other public places of nearby villages are cleaned and planted trees for conserving the environment.

(i) Water Conservation facilities available in the Institution:

1) Rain Water Harvesting:

The 125 acre University campus consists of a lake of 15 acres and a quarry of 8 acres. The buildings of the University having provisions for rain water harvesting and the downstream of the campus make way for the rain water to store in the lake and also quarry which are the source of water for the entire campus. It is very well maintained taken care of by the University.

2) Borewell / Open well recharge:

The University has three open wells which are very well maintained and also has a bore well which is used to bring water from the quarry to different buildings of the University.

3) Construction of Tanks and bunds:

The University has one overhead tank with the capacity of 20,000 liters which caters to the need of hostel and mess. Besides this, each building has a overhead tank for providing water for the use of people in the respective building.

4) Maintenance of Water bodies and distribution system in the campus:

The University maintains water bodies properly and make sure that the distribution of water to different building optimally through a systematic distribution system without any wastage of water.

(j) SOLID WASTES:

- In the University campus, the solid wastes are categorized as biodegradable and non-biodegradable and the same are accumulated at different collection bins, the people from local Panchayat collect this solid wastes twice in a week.
- The paper wastes generated from different sections of the University are disposed once in three months.
- All the others kinds of scraps such as wooden material, plastics, steels, materials are disposed by Scraps Disposal Committee once in three months.

(k) LIQUID WASTES:

- The University makes sure that the use of water is optimized by all the Departments and Sections. The liquid wastes from the rest rooms and wash rooms of the hostel, administrative building and academic building, quarters etc., are reused for watering the plants and trees in the nearby area of the respective buildings. In order to avoid the wastages of water, the plumbers of the Estate Office check the pipe lines and taps regularly to arrest water leakages if any.
- The drinking water facilities are very well taken care of and thereby, it is ensured that no drinking water is wasted in the campus.

(n) E-WASTES MANAGEMENT

- The e- wastes accumulated from different Departments and sections of the University are taken back by the company which is maintaining the computer hardware in the University through an agreement.

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