



Accredited by NAAC with "A" Grade

Green Campus and Environment Policy

Sri Padmavati Mahila University has a lush green campus and is situated in the famous temple town of Tirupati. Though situated in a rather dry region of Rayalaseema in Andhra Pradesh, the University is successfully preserving a thriving flora and fauna over the last several years. The relationship between SPMVV and nature is a long and enduring one, something that the students and staff of the University cherish and strive to preserve.

Since 1983, the University has had sustainable initiatives at the core of all its activities. of the acre lush campus has been built up. The rest of the campus can be categorized as playgrounds, lawns, gardens and protected wilderness. A huge area is left in its natural form and acts as a natural habitat for biodiversity, a large variety of grasses, herbs, shrubs, trees, Arthropoda, insects, small animals, butterflies and birds.

Scope of the Policy

The Green Campus and Environment Policy of the institution aims to preserve and strengthen the institution's commitment to the conservation of biodiversity and protection of the environment. It seeks to develop and maintain sustainable practices which encourage students to take the lead in preserving the environment and mitigating climate change. These initiatives include a thorough review of all infrastructural, administrative functions from the standpoints of energy efficiency, sustainability and the environment.




REGISTRAR
SRI PADMAVATI MAHILA VISWA
(WOMEN'S UNIVERSITY)
TIRUPATI-517 502

The focus areas of this policy are:

Clean and Green Campus Initiatives
Biodiversity conservation Initiatives
Clean Air Policy & Initiatives
Water and Energy Management Policy & Initiatives
Waste Management Policy & Initiatives
Green Audit
Energy Audit
Plastic-Free Campus

Objectives of the Policy

- To protect and conserve biodiversity, ecological systems and wildlife corridors within the campus.
- To ensure responsible use of environmental resources to meet the requirements of the present and future generations.
- To integrate environmental concerns into policies, plans and programs for social development through the outreach activities of the University.
- To work with the stakeholders and local community to create awareness towards adopting sustainable practices in their daily lives that serves to protect the environment.
- To adopt practices that reduce global warming and climate change and to create awareness on means and methods to mitigate climate change and adapt to a changing environment.
- To improve the efficient use of resources such as energy and water, and to reduce their consumption where possible.
- To reduce the amount of waste produced and recovering and recycling waste where possible.




REGISTRATION
OFFICE
SRI SATHYA SAI
WOMEN'S UNIVERSITY
TIRUPATI-517 002

- To minimize the use of paper in administration through having policy for E-governance.
- To make the campus plastic free.
- To conduct environmental and energy audits from time to time.

Implementation:

Clean Campus Initiatives

SPMVV takes an active part in coordinating cleanliness activities both on the campus as well as in the community in accordance with the vision of Swachh Bharat Abhiyan. Towards the fulfilment of this goal it undertakes the following activities:

1. Creating awareness on cleanliness and hygiene among students and the community by holding regular cleanliness drives. Students help maintain clean classrooms, playgrounds, hostel rooms and common rooms by following proper waste disposal methods.
2. Activities under 'Swachh Bharat Abhiyan' are a key component of community work being done by NSS volunteers of the University.
3. Various competitions on the theme of cleanliness and 'Swachh Bharat' are organized for the students.
4. Rallies on themes related to 'Swachh Bharat Abhiyan' are conducted in and around the University campus to mass awareness and motivation among students and the community.
5. All waste material is collected as per the waste management policy of the University and properly disposed.




REGISTRAR
SRI PADMAVATI MAHILA VIDYAPEETHAM
(WOMEN'S UNIVERSITY)
TIRUPATI-517 502

Landscaping Initiatives

The campus landscape, reflects the physical embodiment of the institution's values. It supports life on the campus providing space for study, play, outdoor events, relaxation and aesthetic appreciation. Green campus landscape in the campus also manages runoff, helps recharge groundwater, and provides clean air on the campus. The landscape serves as a visual representation of the campus community's commitment to sustainability and also creates awareness around the environment.

There are more than 3000 trees and 1000 shrubs on campus along with acres of grass cover. The landscape of trees and plants provide the students and staff with clean and cool air and a soothing environment. The landscape dotted with flowering plants also attract more than 40 species of butterflies, a variety of birds, insect life and small animals.

The diverse green cover of SPMVV is home to 105 species of birds, some of them migratory during the winter season. The University is committed to enriching and preserving this healthy habitat and maintaining the symbiotic relation of the institution with nature by:

- Organizing annual tree plantation drives
- Encouraging students to hold tree planting events
- Conducting awareness programs on sustainable living, importance of trees and preservation of biodiversity among the staff and students.

Clean Air Initiatives

Students and staff are encouraged to use bicycles and public transportation as much as possible. Competitions on cycling, cycle rallies are held to create awareness on the environmental and health benefits of cycling.




REGISTRAR
SRIPADMAWATI MAHILA VISWAVIDYALAYA
(WOMEN'S UNIVERSITY)
TIRUPATI-517 502

We encourage carpooling to the institution, an activity that helps control air pollution and strengthens social interaction. The entry of automobiles inside the campus is restricted to discourage the use of private vehicles. Smoking is banned on the campus as is also open burning of waste.

In compliance with the framework provided by the National Tobacco Control Programme (NTCP) 2007-2008, the University prohibits smoking and the use of other tobacco products. Smoking and use of tobacco in and around the campus is strictly prohibited.

The campus is recognized as protected forest and therefore the institution with its rich flora and fauna feels responsible to maintain the green cover. The abundant natural landscape not only cleans the air on campus but also becomes an extension of the green lungs of the city.

Clean Energy Initiatives

♦ Renewable Sources of Energy

SPMVV is dedicated to minimizing and sustainably managing the use of electricity. The college believes in reducing the consumption of electricity produced by non-renewable resources by switching to clean energy sources like solar energy for purposes like lighting the campus. Solar panels installed on the campus contribute to energy requirements of the University. Awareness programs are conducted for staff and students to minimize the use of electricity. Classrooms are well ventilated and Sunlight is the main source of lighting in classrooms.




REGISTRAR
SRI PADMAWATI MAHILA VISWAVIDYALAYAM
(WOMEN'S UNIVERSITY)
TIRUPATI-517 502

◆ **Energy Saving and Energy Efficient Equipment**

The institution has installed environment-friendly electrical appliances that save energy and reduce wasteful inefficiencies in laboratories and other spaces. The institution uses clean energy sources such as LED lighting.

Water Management Initiatives

◆ **Water Conservation through Rainwater Harvesting System**

SPMVV has committed itself to this effort to replenish the groundwater table by practicing rainwater harvesting. Rainwater harvesting facilities are available at every building in the University and in the hostels. This practice helps in the replenishment and recharge of the groundwater. Rainwater harvesting pits enable the water to seep into the water table and prevents wastage.

- ◆ Sustainable water extraction on campus from Aquifers.
- ◆ 12 Borewells are Available in the SPMVV campus at different places. On campus checking of water quality is done by the Department of Microbiology and the Institute of Pharmaceutical Technology regularly and the records of the same are maintained.
- ◆ Off campus water conservation support is given by conducting presentations on water saving Themes and by conducting water awareness conferences or programs or by taking projects on checking water quality in and around Tirumala and Tirupati areas.
- ◆ SPMVV makes its students pro-active partners in water conservation through numerous awareness activities. Competitions are conducted for students regularly on efficient water usage and saving water. National Water Day is observed on 22nd March every year.
- ◆ Preventing water system pollution: Processes to prevent polluted water entering the water system, including pollution caused by




accidents and incidents at the University is done by:

- i) Maintaining Separate Drainage Lines
 - ii) Maintaining Separate water pipe lines
 - iii) Using Garbage Disposals for Organic Chemicals used in scientific labs
 - iv) Liquid explosives are separately Disposed in containers
- ◆ SPMVV uses Water Conscious Building Standards in all its construction works. The institution adopts self-curing construction techniques to reduce evaporation and water usage during building construction phases.
 - ◆ Water pressure is kept optimal in pipelines in order to reduce water loss using pressure reducing valves.
 - ◆ SPMVV has an active plumbing team for routine maintenance and to correct leakages. The institution uses aerators pressure reducing nozzles at taps in order to reduce water loss. It has proximity sensor-based taps at our wash areas to prevent unnecessary water loss.
 - ◆ To save water in the institution, SPMVV recycles sewage treated water for irrigation of greens on the campus. Apart from this, rain water from roof of the buildings in the campus is stored in underground sumps (known as jal mandap) which is treated and supplied for normal consumption. The quantity of stored water is sufficient to meet approx 40 days requirement of the campus. The dirty water from the Water Treatment Plants (WTP) during treatment of raw water is not wasted but used for Irrigation purpose, Toilet Flushing and Washing clothes.

The institution also uses low flow fittings and fixtures of water in buildings. Water conservation activities are actively pursued.




REGISTRAR
SRI PADMAVATI MAHILA VISWAVIDYALAYAM
(WOMEN'S UNIVERSITY)
TIRUPATI-517 502

- ◆ The institution uses partially treated sewage water to water all the plants and lawns in the campus.
- ◆ Water-Conscious Planting: Trees improve water quality by trapping debris and contaminants in the decaying organic matter that is present in the root zone when water percolates through, below the soil surface, absorbing contaminants from sub surface water or helping to break them down. More than 70% of the campus acreage is planned as a green area filled with local varieties of trees, plants and shrubs and water bodies.

Waste Management Processes

SPMVV strives to reduce its carbon footprint on the planet and thereby have a minimal impact on the environment. The institution is dedicated to reducing and managing the waste generated on the campus. The following measures ensure proper waste management on the campus:

- ◆ **Solid Waste Management**

SPMVV systematically engages with the 3Rs of environment friendliness - Reduce, Reuse and Recycle.

- SPMVV ensures that minimal waste is generated in the campus. Solid waste is segregated as bio degradable and non-degradable and handed over to TMC (Tirupati Municipal Corporation) as a part of Swacch Bharat initiative and Clean and Green Tirupati. Waste from departments and hostels are segregated into dry and wet waste thereby maintaining a clean and eco-friendly campus.
- Use of incinerator for disposal of sanitary napkins is done in hostels and it is one of the eco-friendly practices in waste disposal adopted by SPMVV.



Signature
 REGISTRAR
 SRI PADMAVATI MAHILA VIDYAPEETHAM
 (WOMEN'S UNIVERSITY)
 TIRUPATI-617 502

- Collect paper waste produced on campus and collaborate with scrap dealersn for recycling.
- Reduce solid waste by developing a technology-centric teaching and administrative model.
- Reduce use of paper by supporting digitization of attendance and internal assessment records.
- Reduce requirement of printed books by updating the e-books and e-journals collection of the University library.
- Encourage the students and teachers to use emails for assignment submissions.
- 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.

◆ **Liquid Waste Management**

- Maintain leak proof water fixtures.
- Minimize the use of water by installing more Indian style toilets instead of western style toilets.
- Pump operators and other staff take immediate steps to address water leakage if any, through taps, pipes, tanks, toilet flush etc.
- Reuse of wastewater generated by the Reverse Osmosis (RO) system.

Signature



◆ E-Waste Management

SPMVV ensures that its usage of technology and generation of e-waste does not impact the environment. For this purpose, the institution works towards:

- Having an AMC that periodically reviews the effective functioning of CPU's, Monitors, Printers, Laptops and all other electronic equipment. Expert committees nominated by the Vice Chancellor are formed which evaluate their performance and recommend

their disposal if necessary. The institution has a contract for approved E-Waste Management and Disposal facility in order to dispose E-waste in scientific manner. Obsolete workable computers, printers and other equipment discarded by departments are sold as scrap. The cartridges of printers are refilled outside the University campus. UPS Batteries are recharged and repaired by the suppliers.

- Creating more provisions for the disposal of the institutional e-waste.
- Collaboration with e-waste recycling companies to get electronic waste recycled.
- Creating awareness amongst students about reduction of e-waste and adopting environment friendly disposal practices for e-waste.
- Encouraging department and society level activities pertaining to e-waste management.




REGISTRAR
SRI PADMAVATI MAHILA VISVA VIDYALAYA
(WOMEN'S UNIVERSITY)
TIRUPATI-517 502

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. Towards this end, SPMVV supports and encourages awareness campaigns, seminars, workshops, conferences and other interactive sessions to facilitate effective implementation of the Green Campus, Energy and Environment policies. Awareness on environmentally friendly practices and environmental ethics are a part of all activities of NSS bureau in the campus. Through its 12 NSS units, SPMVV is able to create environmental awareness not only among its staff and students but also among the members of the community.

Environment-centric Student Societies and Department Activities

SPMVV has a student's environment club through which students participate in tree plantation, competitions on environment related issues, awareness program on conservation measures etc. SPMVV encourages its departments and NSS and student's clubs to organize events, competitions and training sessions to bring about environmental consciousness among people.

Conduct Green Audit

SPMVV is conducting Green Audit 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 institution 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.



REGISTRAR
SRI PADMAVATI MAHILA VISVAIDYALAYAM
(WOMEN'S UNIVERSITY)
TIRUPATI-517 502



Green audit has also helped to create health consciousness and promote environmental values and ethics among the staff and students. It has provided a better understanding of the impact of eco- friendly practices on campus. Green auditing has also promoted financial savings through reduction of resource use. It has helped us to evaluate our contribution toward a sustainable future.

Energy Audit

Energy Audits conducted by SPMVV has helped the institution identify areas of maximum energy use and to chalk out methods and strategies to reduce energy use or to examine the possibility of shifting to alternate source of energy in these areas. The importance of reducing energy consumption cannot be overstated. Energy audits have helped SPMVV to identify wastage of energy.

Plastic-Free Campus

SPMVV has been following environmentally friendly protocols in 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, SPMVV has adopted a resolution to strictly ban the use of single use plastics in its premise to make it a 'Plastic Free Campus'.



REGISTRAR
SRI PADMAVATI MAHILA VISWAVIDYALAYAM
(WOMEN'S UNIVERSITY)
TIRUPATI-517 502

Committee to implement the policy on the campus:

The Vice Chancellor will appoint a committee to monitor green campus initiatives on the campus with the following members:

1. Dean, School of Sciences
2. Dean, School of Social Sciences, Humanities and Fine Arts
3. Director, Engineering College
4. Principal, School of Nursing
5. Warden, University Hostels
6. Chief Engineer of the University
7. IQAC members

Approval and Review

The Green Campus and Environment Policy shall be reviewed once in three years or as and when required. The Registrar of the University is the custodian of the Policy.




693 PADMAVATI MAHILA VISVA VIDYALAYA
(WOMEN'S UNIVERSITY)
TIRUPATI-517 502