



# PSN ENGINEERING COLLEGE

Melathediyoor, Palayamkottai Taluk, Tirunelveli District, Pin - 627 152.

(Approved by AICTE and Affiliated to Anna University)

An ISO 9001 : 2015 Certified Institution

Website : [www.psnec.ac.in](http://www.psnec.ac.in) Email : [principal@psnec.ac.in](mailto:principal@psnec.ac.in)

☎ 04634-279078, 279079 Fax : 04634-279078



7.3.1: Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

## GREEN PRACTICE

### **Introduction**

- ❖ The relationship between PSN Engineering College and nature is a long and enduring one, something that students and staff of the college are aware of. Ours is known for its “Clean and Green” Campus where environmental friendly practices and education combine to promote sustainable and eco-friendly practices in the campus and beyond the campus

### **Objective of the Practice:**

- ❖ It is now general admission in the scientific observations that we are in danger of radical global change through warming with massive drought, huge flooding, and unprecedented deceases. To secure the planet habitable, social transformation towards sustainability is the daunting task of our time to recover the soil, preserve groundwater, and for a healthy life.
- ❖ An approach to lower the carbon foot print and plastic free environment campus.
- ❖ To promote optimum utilization of renewable resources generating awareness among the students and society.
- ❖ To maintain and develop the natural ambience of the campus.

### **The context:**

- ❖ Mitigation of the environmental challenges and shifting to a sustainable society needs proactive social participation.
- ❖ PSN Engineering College possesses an area of 100 acres. With the increase in the infrastructure that invites the use of non eco-friendly practices in the Campus, it is the need of the hour that we aware our students towards green eco-friendly practices.
- ❖ A green initiative will change the practice of using non-renewable energy. With the number of vehicles increasing day by day, the vehicular emissions of green house gases is increasing and enhancing the carbon foot print.

### **Environmental Policy Of The College**

- ❖ The Institution is committed to manage its campus in accordance with responsibilities towards promoting sustainable environment.



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## THE PRACTICE:

- ❖ A separate sector has been formed for “Water and Environment” under a full time teacher as Teacher-in-Charge of that sector through the following Governing Body resolution on 2018.
- ❖ World Environment Day every year is observed through plantations in the campus and campaign among the students, teaching and non-teaching communities raising the slogan - “Think, Eat Save Reduce your Food- print’ aiming at encouraging everyone to **reduce the wastage** of food by becoming more aware of the environmental impacts of food waste as announced by the United Nations Environment Programme. Sometime scultural programme are also organized.
- ❖ The college has formed a Green Campus committee to monitor the cleanliness and green environment of the campus. The Eco-club committee organizes **tree plantation events** along with ECO club and NSS at college campus. In 2018 and 2019, PSN Engineering College has organized at tree plantation at the college campus along with hygienic practice by providing students with soaps and hand sanitizer under “Health and Hygienic”.
- ❖ PSN Engineering College, adopted Melathediyoar village comes under the Green Campus initiative of the college. The farmers are enrolled as students in Organic growers add on course which boosts their **Organic way of cultivation**.
- ❖ Ground water recharging procedure has been initiated through the drainage of **rainwater** of the roof top to underground as well as to the pond through pipelines.
- ❖ Two **R.O water plant** has been set up in the college to provide pure drinking water to the students.
- ❖ The use of **plastic cups** are strictly prohibited in the college canteen, a step towards eco friendly practices
- ❖ The college has initiated to conduct green audit as a step towards environmental conservation and protection.



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## ❖ Major Green campus Initiatives in PSNEC campus

- Electric powered vehicle for campus ride
- Rain water Harvesting
- Institute community Garden
- Recycling bin for e-waste
- Use of LED
- Digital Library/ & e-learning centre
- Restricted entry of vehicles
- Restricted Parking
- Usage of bicycles and public transport
- Pedestrian friendly Road
- Paperless office
- Plastic free campus

### **Green Campus Policy**

#### **1. Restricted entry of vehicles**

- All the vehicles of college staff/ faculty members should be getting the emission certification before entering the vehicle in college campus.
- The college encourages the employees and students to frequently use public transport, bicycles, etc. to limit the emissions.

#### **2. Use of Bicycle/ battery powered vehicles**

- College uses the Battery-powered vehicles for in- house transport.
- All electricity use within a new building space maximizes the use of renewable energy.



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### 3. Pedestrian-friendly pathways

- PSNEC campus follows the Pedestrian-friendly pathways in all the buildings.
- Pedestrian-friendly pathways are properly marked with suitable logo/sign.

### 4. Ban on use of Plastic

- The college continuously committed to work towards plastic-free campus.
  - In the PSNEC campus there is complete ban on single-use plastics in class room, labs canteens in the institution's premises and hostels.

### 5. Landscaping with trees and plants

- As per the green practices in the campus PSNEC is moving in the direction of a Green Institution in tirunelveli planting more trees within and outside the campus.
- Medication plants and more fruit plants and trees have been planted to clean the atmosphere

### EVIDENCE OF SUCCESS:

- ❖ Tea or other beverages in the college canteen are sold in earthen or paper cups, Stainless Sliver cups which are disposed in eco friendly way.
- ❖ Organic wastes generated everyday in the college is deposited in the peats created in the premises of the college. The manure generated is used in gardening and also for feeding livestock at the college campus under the organic grower course.
- ❖ Each department of PSNEC is given responsibility for their plant and maintenance. The department with more contribution is received by the principal \ chairman.
- ❖ The guest invited for any program will be honored with sapling plantation. Hence a practice for tree plantation is encourages among students and future community.

### Activities Includes:

- ❖ Regular Plantation Of Trees
  - In Campus
  - Outside Campus
  - In various Village
- ❖ Plastic Free Campus.
- ❖ Lowering Carbon Footprint
- ❖ Using Bicycle and Public Transport.
- ❖ Rain Water Harvesting



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- ❖ Promoting Use Of Renewable Source Of Energy - Solar Energy, Wind energy
- ❖ Green Audit

## PROBLEM ENCOUNTERS AND RESOURCES REQUIRED:

- ❖ Due to recent construction of the Bathroom Block and some other construction works the normal water clearing and recharging arrangements have been disturbed which have been felt in rainy season. Steps will be taken to level the ground and survive the water draining systems approaching the pond.
- ❖ Previously the only source of energy in the college campus is electricity. The college has initiated steps to construct solar panel, wind mill as an alternative source of electricity. It will boost the green initiative of the college by reducing the electricity consumption.
- ❖ For recycling of e-wastes steps are being initiated to dispose them through third party vendor like garbage collector
- ❖ Liquid wastes liberated from science laboratories to be disposed in an Effluent Treatment Plant.

## PHOTO GALLERY



Dustbins for waste segregation



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**Tirunelveli India**  
 Unnamed Road, Tamil Nadu 627451, India  
 August 31, 2023 -29 m  
**Latitude** 8.6397268 **GMT** 07:48 AM  
**Longitude** 77.642466 **Local Time** 13:18 PM

Zero Emission Vehicle



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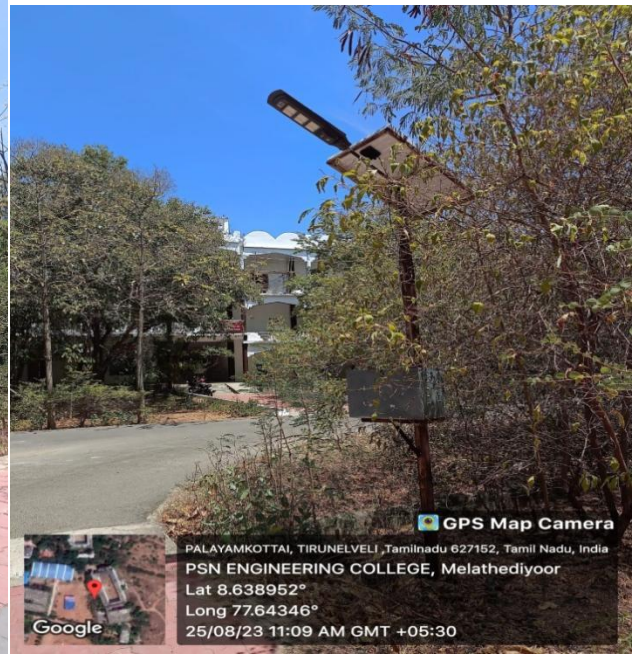
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As a step towards energy saving, total lightings of class rooms, labs and hostel and college environment are replaced with LED panels.



Biogas is used for cooking and water heating purpose in PSNEC Canteen.



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## LANDSCAPING WITH TREES AND PLANTS



As a step towards energy saving, total lightings of class rooms, labs and hostel and college by SOLAR panels.





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As a step towards energy saving, total lightings of class rooms, labs and hostel and college environment are replaced with WIND MILLS.



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Dr.R.Ravikumar (Principal) planted tree in our college



District SP planted sapling in our college campus



Our Director Dr.N.Prabhu planting the tree and pour the water in our college campus





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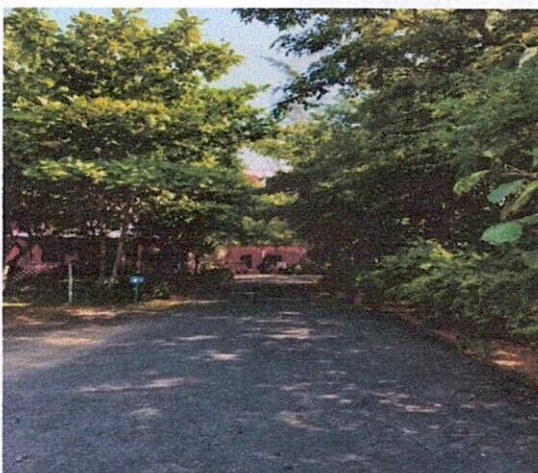


## In charges of Green Campus

The following departments are allotted to maintain the gardening work inside the campus for green environments

Department name	Garden Allotted Area
Electronics and Communication	ECE Block
Civil	Civil Block
Mechanical	College gate to Civil Block
Computer Science	Main Block
Automobile	College gate to Civil Block
Mechanical and Automation	College gate to Civil Block

Our college campus planting more trees is a way to reduce carbon dioxide, improve air and water quality, Beautify communities, and positively impact mental health. A lot of trees have been planted in our college Campus. The photos are given below,



Main Block



Civil block



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Mechanical block



ECE block



R.O. Water Plant installed in our college campus.

*[Signature]*  
In charge 30/8/23.

*[Signature]*  
Coordinator  
30/8/2023

THE NOU  
Department of Management &  
PSN Engineering College  
Tirunelveli - 627 152

*[Signature]*  
Director (IQAC)  
30/8/23

Dr G Satish Pandian  
Professor of Mech & Auto  
Director - IQAC  
PSN Engineering College,  
Tirunelveli 627152

*[Signature]*  
Principal

Dr. M.S. RAVIKUMAR  
Principal  
PSN ENGINEERING COLLEGE  
Melathediyoor, Palayamkotta  
Tirunelveli - 627 152