



SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956
NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU

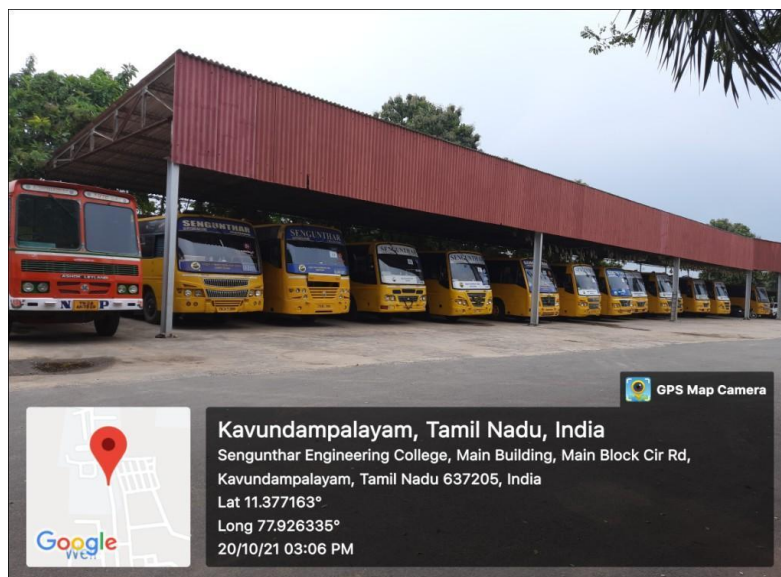


7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles

The college operates buses to facilitate the students and staff. The institute encourages the staff and students to use the college transport instead of their own vehicles for safety, security, fuel conservation and to reduce environmental pollution. The college buses are checked for pollution by the authorized agency. Separate parking facility for buses, four wheelers and two wheelers is available near the main gate.



Vehicle Parking Shed for college buses



Vehicle Parking Shed for Two Wheelers and Four Wheelers



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2. Use of bicycles/ Battery-powered vehicles

Solar powered electric bicycle was developed by the Mechanical Department students and it was used inside the campus to create awareness about e-vehicles among the students and for **Carbon neutrality** inside the campus. It is environment friendly and prevents pollution



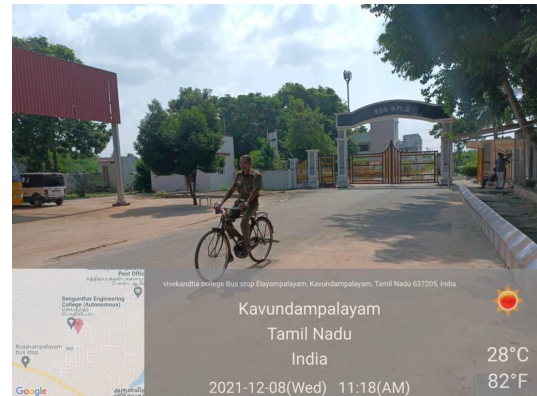
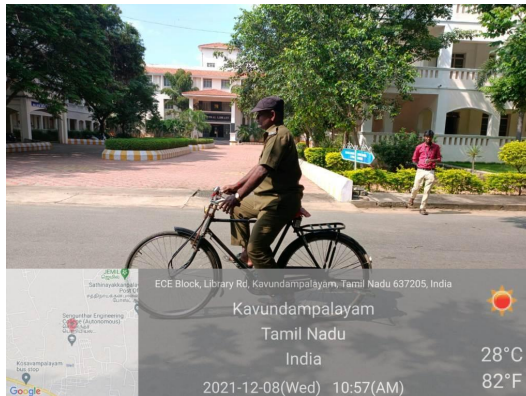
Solar Powered Electrical Bicycle



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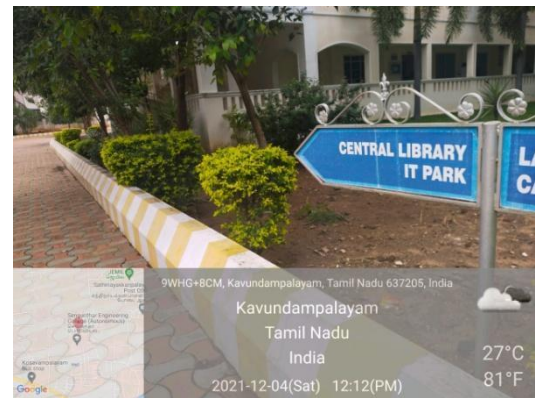
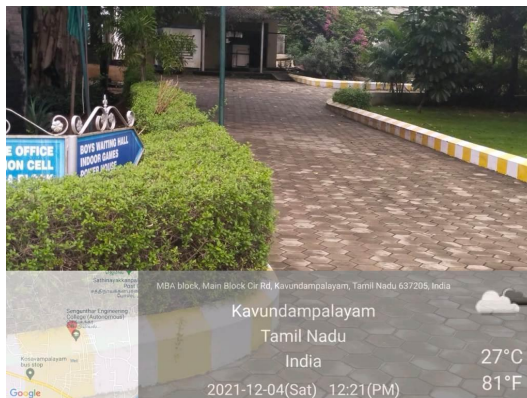
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Only **bicycles** are used by the Security Guards to monitor the campus.

3. Pedestrian-friendly pathways

Vehicle parking space is provided at the main entrance of the college campus. As the campus is vehicle free with some exceptions, students and staff experience comfort walking through the pedestrian friendly pathways. The internal roads are lined with trees and LED lights and they are properly maintained.





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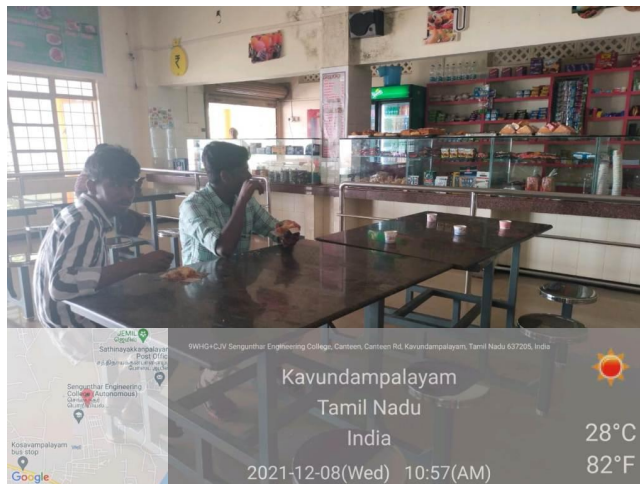
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Photos of Pedestrian-friendly pathways

4. Ban on use of plastic

Single-use plastic items such as plastic bottles, bags, spoons, straws and cups are banned completely and awareness is created among staff and students through orientation and display boards in the premises. Biodegradable paper cups and plates used in the canteen and college premises.



Paper cups and paper plates used in the Canteen

5. Landscaping

Landscaping of the college is worth seeing and reflects aesthetic sense. The institute has a canopy of trees and plants to make the environment pollution free to safeguard the health of all the inmates. The lawns and the trees provide shade and beautiful



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ambience. Utmost care is taken to develop and maintain green landscaping by trained gardeners and supervisors.

195 mature trees, 64 shrubs and more than 9 flowering shrubs are grown in the campus. Every year





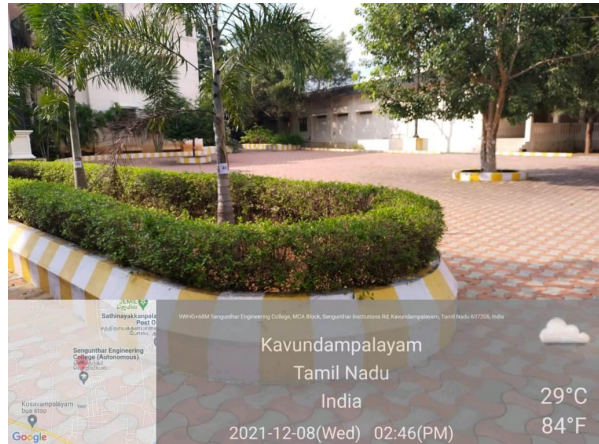
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10% of plant populations have been increased by planting trees.

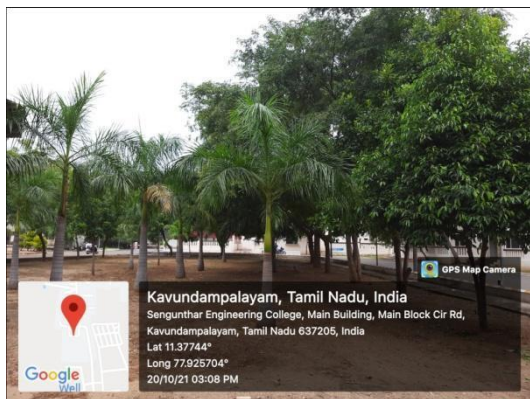
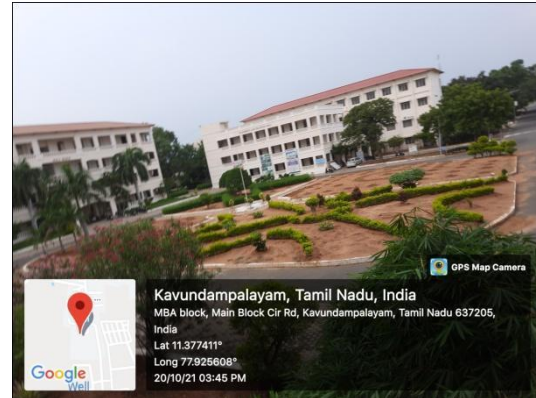
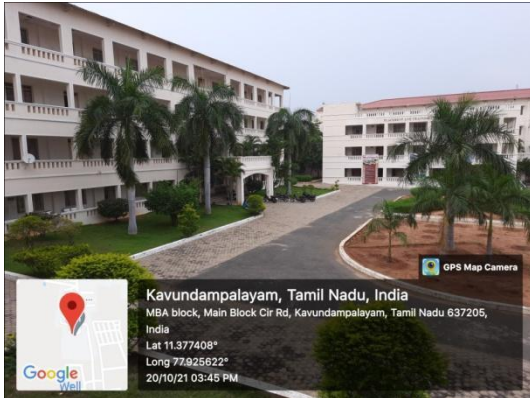




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Photos of Green Landscaping and Tree Plantation



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Green Campus Policy



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GREEN CAMPUS POLICY

Sengunthar Engineering College (Autonomous) should demonstrate higher sensitivity and responsibility in implementing green concepts in the campus. The campus sustainability initiatives are established with the aim of promoting green practices in and beyond the institution and develop best practices strategies in environmental management. Although establishment and maintenance of green campus is important, spreading awareness on the green practices among students and educating stakeholders is our priority.

The policy starts with information and ends with a plan of action. In turn, SEC will fairly manage water resources, waste management, conserve natural resources, and provide eco-friendly and recommend minimal paper use. College will implement following practices towards establishment and maintenance of green campus and adopt the awareness and green initiatives beyond the campus too. This will result in a safe environment that is a better place to live, learn and play.

Clean Air Initiatives

We encourage our students and staff to use public transportation.

The entry of automobiles inside the campus is restricted to discourage the use of private vehicles.

Smoking Free Campus - the college prohibits smoking and the use of other tobacco products.

Promoting the use of Bicycles and provision of Pedestrian Friendly pathways.

The college administration strictly bans the use of single use plastics in its premise to make it a 'Plastic Free Campus'.

Enhancement of green cover by landscaping with trees and plants.

Water Management

Always practice and implement rainwater recycling and harvest rain water to resolve and manage water scarcity problems in future

Protect the environment towards climatic changes and conservation of sources for drinking water.

Regularly inspect taps for draining and repair immediately to avoid loss of potable water.

Promote effective water management practices like sprinkling irrigation to garden and rain water harvesting.

Waste Management

Spread the awareness amongst society about the waste management for ecosystem and methods for its disposal.

Promoting 3R principle (reduce, reuse, recycle) among the students and staff for minimizing waste generation.





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Renewable Energy

Improve awareness about renewable energy.

Promote adaptation of solar power equipment/converters.

Adopt and promote power saving electrical equipment.

Beware of the role of scientific electrification and the use of bulbs and equipment in saving power.

Paperless Office

Advocate the benefits of paperless work in reducing waste production and green practices.

Digital Library.

Save Energy TIPS:

1. Activate power management features on your computer and monitor so that it will go into a low power "sleep" mode when you are not working on it.
2. Turn off your monitor when you leave your table.
3. Activate power management features on your laser printer.
4. Whenever possible, shut down rather than logging off.
5. Turn off unnecessary lights and use daylight instead.
6. Avoid the use of decorative lighting.
7. Use LED bulbs.
8. Keep lights off in conference rooms, classrooms, lecture halls when they are not in use.
9. Use the fans only when they are needed.

SEC has to work out the time bound strategies to implement **green campus initiatives** for healthy ecosystems.





P S QUALITY CERTIFICATION PVT LTD

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CERTIFICATE FOR GREEN AUDIT PROCESS

This is to certify that, we have conducted a **GREEN AUDIT** in **SENGUNTHAR ENGINEERING COLLEGE**, Tiruchengode, Namakkal – 637 205, Tamil Nadu on **17 DECEMBER 2021**. The audit process investigates the following activities;

1. Coverage of matured trees (nearly 195 trees available in the college campus)
2. Implemented many flowers, shrubs and ornamental plants
3. Planning for indoor plants and improvement of indoor and ambient air quality
4. Pollution certificates for all transport vehicles
5. Innovative ways to harvest rain water (Both from buildings and road run-off)
6. Identification of expansion of green coverage for planting more trees
7. Assessment of RO plant & water distribution network
8. Evaluation of Solid & E-waste management system
9. Possibilities to implement various Renewable Energy Systems for regular activities (like solar hot water system for water preheating, bio-manure generation, waste to electricity, waste to wealth etc.,)
10. Recommendation to implement Rooftop Solar PV Plant (50 kW Grid Interactive Model).

Audit conducted and verified by,

(Dr. S.R. SIVARASU)

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