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Website: www.avce.edu.in

Dr.R.Angeline Prabhavathy PRINCIPAL

AUTHENTICATION CERTIFICATE

This is to certify that our institution has successfully implemented and maintained practices in the areas of alternate sources of energy, conservation of energy, water conservation, green campus initiatives and disabled-friendly, barrier free environment.



PRINCIPAL

PRINCIPAL
ANNAI VAILANKANNI COLLEGE OF ENGINEERING
POTTALKULAM
AZHAGAPPAPURAM - 629 401
KANYAKUMARI DIST.







(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

AVK Nagar, Pottalkulam, Azhagappapuram (P.O). kanyakumari District–629 401

EMAIL: info@ avce.edu.in WEBSITE: www.avce.edu.in

CRITERION 7-INSTITUTION VALUES AND BEST PRACTICES 7.1 INSTITUTIONAL VALUES AND SOCIAL RESPONSIBILITIES

INDEX

7.1.2 The Institution has facilities and initiatives for

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Alternate sources of energy and energy conservation methods

Solar Street Light Systems

AVCE has installed 10 solar street lighting systems with capacity of 90 Watts Photo Voltaic Panels. The solar street lights are fitted independently on the entrance and the need for underground cabling is eliminated.Photovoltic panel lights offer many advantages including energy efficiency,low maintanence,easy installation, cost effectiveness. versility, environment friendliness and safety.



Solar street light in mechanical block



Solar street light in main gate

PRINCIPAL ANNAI VAILANKANNI COLLEGE OF ENGINEERS



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Biogas plant:

Biogas is a renewable fuel produced by the breakdown of organic matter such as food scraps and animal waste. It can be used in a variety of ways including as vehicle fuel and for heating and electricity generation. In our college, the biogas plant is installed in the Lady's hostel. The food waste generated in the hostel is collected every day and fed into the biogas plant. The produced biogas is utilized for cooking purpose in the hostel which can save the cost of LPG cylinder. The capacity of the Plant is 1 m3,









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Gobar gas plant:

AVCE has a gobar gas plant installed in the Lady's hostel. Biogas is produced from cattle dung in a Gobar gas plant through a process called digestion. The produced biogas is utilized for cooking purpose in the hostel which can save the cost of LPG cylinder. The capacity of the Plant is 3m3. The use of Biogas and Gobar Gas has reduced the cylinder consumption of 20 numbers per month to 17 numbers in the hostel.



Gobar Gas plant



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LED BULBS

In AVCE LED bulbs and tubes are installed in class rooms and laboratories to reduce power consumption. These bulbs are upto 80-85% energy efficient and last 3-5 times longer than normal electric bulbs. They also uplift the aesthetic quotient of the space.CFL is also used in some laboratories.

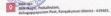


LED lightings in CAD Lab



CFL lightings in Simulation Lab

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MITANUMASS DISTRICT





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LED TUBE LIGHTS IN DIGITAL ELECTRONICS CIRCUITS LAB

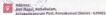


LED BULBS IN PRINCIPAL'S OFFICE

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POTTALKULAM

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Water conservation

Water Resources Rain water harvesting

Water Resources

Borewell pump has been provided inorder to cater the water needs of institution



Drinking water RO plant



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POTTALKULAM AZHAGAPPAPURAN P.O.







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Rain water Harvesting

Rain water is channelized through drainage system to a under water well.



Percolation pits of $1m \times 1m$ size are constructed at all feasible points in the campus.





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GREEN CAMPUS INITIATIVES

The state of the s

The institutional initiatives for greening the campus are as follows:

- Restricted entry of automobiles
- · Pedestrian Friendly pathways
- Ban on use of Plastic
- · Landscaping with trees and plants
- Paperless office
- Tree Plantation

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

Greening the campus is all about sweeping away wasteful inefficiencies and using conventional sources of energies for its daily power needs, correct disposal handling, purchase of environment friendly supplies and effective recycling program. AVCE has worked out the time bound strategies to implement green campus initiatives. These strategies need to be incorporated into the institutional planning and budgeting processes with the aim of developing a clean and green campus.

Restricted entry of vehicles

- Vehicles are not allowed inside the campus. This initiative considerably limits emissions.
- The college encourages the employees and students to frequently use public transport, bicycles, etc. to limit the emissions.
- Separate two wheeler and car parking are available separately for staff and students in front of the college.

ANNA JAHANNAMI COLLEGE OF ENGALENAG POTTAL KULAN AZHAGAPPAPURAM - 629 401 KANYAKUMANI DISY.









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Seperate parking for students in front of college

Pedestrian Friendly pathways

- AVCE campus follows the Pedestrian-friendly pathways in all the major roads...
- 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
- · Internal roads are lined with trees and solar lights and they are properly maintained by the campus maintenance committee.





Pedestrian friendly pathways near the Main gate

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Ban on usage of plastics

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



Landscaping with trees and plants

- Landscaping of the college is worth seeing and reflects aesthetic sense.
- · As per the green practices in the campus AVCE is planting more trees within and outside the campus.
- · AVCE 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 ambience.
- Utmost care is taken to develop and maintain green landscaping by trained gardeners and supervisor.

Medicinal plants and trees have been planted to clean the atmosphere PRINCIPAL ANNAL VAILANKANNI COLLEGE OF ENGINEERING POTTALKULAN AZHAGAPPAPURAM - 629 401







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Landscaping with trees and plants near the main gate

Paperless Office

- The institute authorities are taking initiatives to make the campus paperless.
 Internal communication in the campus, through e-mail or e-messages, is driving towards paperless office.
- Electronic gadgets are preferred to transfer and store the official data and information.
- Library and examination sections are equipped with efficient software.
- The Learning Management System is used for academic activity in the campus.



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Tree Plantation in the Campus

Every year NSS volunteers do tree plantation in college campus. People from governmental organizations are invited for tree plantation drive. This motivates the students to grow trees and plants in their home also. As a result of this drives the college has a canopy of trees which is a home for hirde as well.



NSS Volunteers planting saplings at AVCE



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Disabled-friendly, barrier free environment

The Institution has disabled-friendly, barrier free environment

Built environment with ramps for easy access

Disabled-friendly washrooms

Reception counter and personal assistance

According to the persons with disabilities act 2016, discrimination against disabilities is strictly prohibited. AVCE intend to provide comprehensive and inclusive teaching and learning environment to students and any employees. Aiming to this, AVCE made ramps in each building. All the Academic Buildings, Offices, Hostels, Library, Health Centre, Student Activity Centre, Canteens and Sports Boards etc. are constructed complying the PWDI/ CPWD norms.





RAMP IN MECHANICAL BLOCK

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Disabled-friendly washrooms

To provide comfortable teaching learning environment for the disabled persons AVCE has dedicated washrooms in various floors of different buildings. Wash rooms are fitted with hand rails to help the disabled.



Disabled friendly washroom

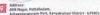
RECEPTION COUNTER & PERSONAL ASSISTANCE

The Reception Counter provides all the needed information to the differently-abled and human assistance. A wheelchair is available in reception. People with physical disability require a wheel chair for effective mobility. An appropriate wheel chair can assist in opening up a new world for the user from exclusion to inclusion which lead to improved quality of life





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GREEN POLICY

GREEN ENVIRONMENT POLICY OF THE COLLEGE

Annai Vailankanni college of engineering, Potalkulam is a quality conscious college. It protects its own environment by maintaining it green with the help of about 950 large and many smaller plants in campus.Our staff and students always try to keep the campus pollution free in all possible ways. The management administration and the students of the college look after

the environment carefully. Every year during rainy season we perform tree plantation and carefully look after the planted trees. As a result, now we have about 950 trees in our campus, besides we are having eco-friendly units like rainwater-harvesting units, etc. We have our own Green Environmental policy that includes To comply with all requisite environmental legislations and government

- guidelines, wherever applicable. To ensure that there is optimum utilization of resources and waste generation
- is minimized. > To integrate environmental concerns in decision-making, e.g. teaching-
- learning process, communications, etc. > To implement an environment management system.
- > To strive towards continual reduction in ecological foot print of the college
- as it grows. > Education and training of students, staff and society in environmental issues
- and the environmental effects of their activities. Monitoring progress and reviewing environmental performance against targets and objectives on a regular basis.
- > To maintain the campus pollution-free by all possible ways like maximal use Of green-energy like solar energy,natural light,etc.

RDINATOR Internal Quality Assurance Cell

PRINCIPAL ANNI NE ANGENE COLLEGE OF EXCREPTION ANNAI VAILANKANNI COLLEGE OF ENGINEERING AZHAGAPPAPURAM - 629 401

+91-98410 11758 +91-98410 11759 +91-98410 11760





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The Green Audit Committee will act as per the environmental policy and Shoulder the responsibility for maintaining and protecting the environment in and around the college with the help of students, staff and society. It will Work in various fields like-

- · Waste Management
- · Soil Management
- · Water Management
- · E-waste management
- · Bio-diversity
- · Energy use and conservation · Eco-friendly techniques
- · Noise Pollution
- · Air Pollution
- · Paper less &Plastic less operating procedure · Green area management and clean campus
- · Fire safety

Waste Management:

E-waste

- · E-waste materials are kept in a separate room
- · All the departments are instructed to submit the information of the damaged or outdated computers, monitors and other e-equipment. · These e-equipments are sold out to vendors.
- Soil/Water Pollution Management

- · Proper drainage facility available in the campus. Seperarate canals built for collecting the liquid wastes.
- · Monitoring system for consumption of water can be installed at every node. · Rain water harvesting mechanism has to be implemented at large scale.











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Waste management

- Priority will be given to eco-friendly brands followed by those that are Recyclable.
- On-campus use of plastic bags will be discouraged.
- Paper usage will be minimized in various ways.
- Double sided printing option can be used at all terminals with access to printers.
- Communication will be encouraged through social media like whatsapp to minimize the paper use.
- E-waste management program can be implemented more effectively by various practices like e-paper office, use of ICT, etc.

· Dust-bins will be kept in each class-room.

COORDINATOR
Internal Quality Assurance Cell
Annal Vallankanni Collega of Engineering

PRINCIPAL BAKU VALANKANA COLLEGE OF

ANKAI VAILANIANI DOLLEGE OF ENGINEERING POTTALKULAM AZMAGAPAPURAM -629 401 KANYAKUMARI DIST.

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AVCE/CIR/2021-22/017

Date:11.10.2021

Circular on use of Pedestrian Friendly Pathways inside the campus

CIRCULAR

"Use Pedestrian Friendly Pathways in the campus"

All staffs and students are hereby strictly informed to utilize pedestrian friendly pathways to move inside the campus. Pathways are lined with trees and solar lights to have comfort walk for staffs and students. And also avoid trampling on the grass or loitering on to the roads. This is to maintain the green cover of the campus and to ensure safety.

Copy to

HoD's of all departments Notice board of all departments

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AND A VALLANGAME COLLEGE OF ENGINEE MING AZUAGAPPAPURAM - E29 CO1



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Website: www.avce.edu.in

AVCE/CIR/2021-22/017

Date:03.09.2021

Circular on Restriction of vehicles entry inside the campus

CIRCULAR

"Restriction of Vehicles entry inside the campus"

Separate vehicle parking facilities are available inside the campus for both staffs and Students for two wheelers and four wheelers. All the staff and students are informed to park their vehicles in the designated parking area near to the college main gate in a disciplined manner.

Copy to

Director HoD's of all denartments Notice board of all departments

PRINCIPAL ANNA VALANZANII COLLEGE OF FROMFERING ATHACAPPAPURAM - 629 401

PRINCIPAL ANNAH WAILANKSHIM COLLEGE OF ENGINEERING AZHAGAPPAPURAM - 629 401

