



S.E.M.T.'S
MOINUDDIN B. HARRIS COLLEGE OF ARTS,
A.E.KALSEKAR COLLEGE OF COMMERCE & MANAGEMENT.
(Affiliated to the University of Mumbai)
SOPARA GAON, SOPARA (W), Vasai, Dist- Palghar
PIN - 401 203, (MAHARASHTRA)
NAAC Accreditation : 'B'

Report on Alternate Sources of Energy and Energy Conservation Measures (2017-18 to 2021-22)

Introduction:

SEMT is an educational institution that recognizes the importance of alternate sources of energy and energy conservation measures. In recent years, there has been a growing concern about the depletion of fossil fuels and the impact of their use on the environment. To address this issue, the college has implemented various measures to promote the use of alternate sources of energy and conserve energy.

● **Alternate sources of energy:**

SEMT college has taken several initiatives to promote the use of alternate sources of energy. The college has installed a solar panel to generate electricity, which has significantly reduced its dependence on traditional energy sources.

● **Energy conservation measures:**

SEMT college has implemented several energy conservation measures to reduce energy consumption. The college has replaced traditional bulbs with LED lights, which consume less energy and have a longer life span.

Conclusion:

SEMT college is setting an example for other educational institutions by implementing various alternate sources of energy and energy conservation measures. The college has not only reduced its carbon footprint but has also saved a significant amount of money on energy bills. By promoting the use of alternate sources of energy and conserving energy, the college is contributing to a sustainable future.



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REPORT ON MANAGEMENT OF VARIOUS TYPES OF DEGRADABLE AND NON DEGRADABLE WASTE

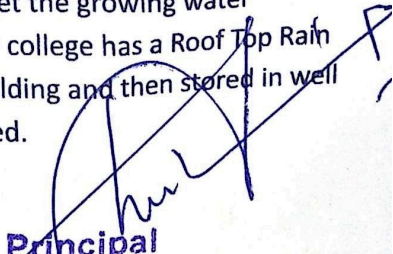
Solid Waste management – Waste management in the campus is a concern of our college. But through efficient waste management methods, we encourage sustainability and an environment friendly campus. It is done by creating awareness through various programs and rallies in campus and nearby areas illustrating the side effects of using plastic bags, plastics and other waste materials in the college including nearby areas. The entire college is under "Plastic Free Zone". Our college has waste bins at various places including classrooms, computer lab, corridors, library, office areas and toilets that are periodically emptied and dumped by cleaners. Also, there are color coded dry and wet bins in campus which is then collected by VVMC's door to door collection trucks frequently. All the garden solid waste including dried leaves, flowers and others are dumped in the pit to make compost and natural fertilizer. Trimmed grasses of the lawn and dried leaves are directly used as a green fertilizer for campus garden. Furniture including benches are repaired and not scrapped or sold. The entire campus is a "plastic free zone" and the institution sincerely puts efforts to maintain the same. Banners are reused unless torn. Use of printing paper is done both sides. Files are reused in next academic year if the condition is pretty good. Waste material like plastic, papers etc are collected and sold to scrap vendor's periodically. Our college has undergone Energy audit, Environmental audit and Green audit in different years. Newspapers and used papers such as old assignment books and old answer books are sold for recycling. Xerox papers are re-used.

Liquid Waste management - All the connections of water lines from toilets, washrooms, basins filters, etc. are attached with municipal drainage main lines. This drainage is further connected with the sewage treatment plant of the municipal corporation. Kitchen waste water is sometimes reused for gardening purposes.

E waste management - E waste like non-working switches, electric cables, keyboard, mouse, and other electronic waste are kept in a separate room and disposed accordingly to the Scrap merchants. Old computers and CPU having minor or substantial repairs is taken care by our in house technicians and then used. Also awareness among students is created by seminars and PPT about hazardous effects of E waste on the environment. We do not have a problem with hazardous chemicals or radioactive waste because the institution is Commerce, Arts and Management oriented.

Waste Recycling system – One of the main issues of 21st Century is to meet the growing water shortage, for this Rainwater Collection is done in our college campus. Our college has a Roof Top Rain Water harvesting system in which the rainwater is collected from roof building and then stored in well located on the ground of the college and it is utilized as and when required.




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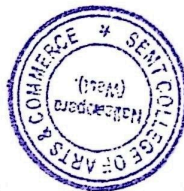
Report of Water Conservation Initiatives (2017-18 to 2021-22)

Introduction: Water is a precious resource that is essential for the survival of all living beings. SEMT college is an educational institution that recognizes the importance of water conservation. With the increase in population and industrialization, there has been a significant increase in the demand for water, which has led to environmental problems. The college has implemented the following measures to conserve water and promote sustainable water management.

- 1. Rain Water Harvesting:** The institute has a rainwater harvesting system. In college campus the rain water is collected and stored in water tank. The collected water is then used for watering trees and plants in summer season and other useful purposes.
- 2. Bore well Recharge:** There are two bore-wells in the college campus. These bore wells are recharged during the monsoon season. College main campus has a wall compound therefore the rain water is percolated in the campus and the water level of the bore-wells increase automatically. Bore well recharge is generally focuses on the use of harvested surface water where runoff water begins to pass through a natural filter made up of large and small stones. Then, there is another layer of sand through which water passes and finally, it perforates in the bore well pipe via a fine mesh which is wrapped around the drilled casing pipe. The fine mesh ensures the removal of big and tiny impurities before the water enters the bore well.
- 3. Waste water recycling:** Waste water pipelines connected to PCMC main drainage line.
- 4. Maintenance of water bodies and distribution system in the campus:** Drinking water is stored in the tank on the terrace of the main Building. Water purifier machine's are installed on the first and second floor for students and also in staff rooms for the staffs. The regular maintenance of the tank, taps and pipeline is done by local plumber. Thus, any leakage of water is prevented.
- 5. Water conservation awareness programme:** SEMT College has organized PPT sessions, Rally and webinar to promote water conservation among the students and staff. The college has also placed posters and banners on the campus to promote water conservation.

Conclusion:

The college's efforts to promote rainwater harvesting and water conservation awareness have not only reduced the demand for freshwater but also contributed to a sustainable future. By conserving water, the college is protecting the environment and ensuring the availability of water for future generations.



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Report of Green Campus Initiatives(2017-18 to 2021-22)

1. Green transportation: The college has also undertaken several measures to promote green transportation. The college encourages students and staff to use bicycles or electric vehicles on the campus and as most of the students are from nearby localities walking is the best transport which reduces the emission of greenhouse gases and promotes sustainable transportation.

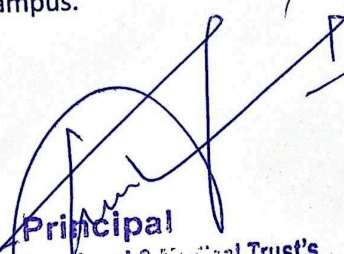
2. Restricted entry of automobiles: (No Vehicle Day): For prevention of air pollution and sound pollution our college has taken the step for environmental conservation. "No Vehicle Day" was observed in the college campus by Avani Nature Club

3. Use of Bicycles : The students are encouraged and persuaded to use bicycle rather than motorcycle. Awareness among the students is created regarding the importance of environmental conservation. The students are encouraged to use bicycle and also encouraged to avoid unnecessary use of motorcycle. Mostly students, majority of the teaching and non-teaching staff of the institute use public transport (VVMC)

4. Ban on use of Plastic: The institution has strictly prohibited the use of plastics in the campus to protect environment. The banner of the same is displayed in the campus.

5. Landscaping: SEMT college campus includes green spaces embellished with several native and non native tree species, flowering and decorative plants and trees. Also plants of medicinal value are giving benefits to the environment and people. This not only ensures air purification, temperature regulation and a noise free campus off the main arterial road outside but also maintains a cool environment inside the college premises. This green environment is lovingly nurtured by our college gardener Rajesh Bhai. The college has also undertaken initiatives to promote greenery on the campus.




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Report of Disable-Friendly Barrier Free Environment

2017-18 to 2021-22

Infrastructure:

SEMT college has created several disabled-friendly infrastructure facilities in the campus. The college has installed ramps in the campus to ensure accessibility for wheelchair users. The college has also created accessible toilet and other necessary amenities for people with disabilities. Signages help the students recognise facilities available for disabled students. Human Assistance is provided in case of need. Our college has put forward an example for other educational institutions by creating a disabled-friendly barrier-free environment on the campus. The college's efforts to create disabled-friendly infrastructure promoted inclusivity and diversity on the campus. By creating a disabled-friendly barrier-free environment, the college is contributing to a more equitable and just society.



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