

Metric 7.1.6-

Quality audits on environment and energy are regularly undertaken by the institution.

The institutional environment and energy initiatives are confirmed through the following

- 1. Green audit / Environmental audit**
- 2. Energy audit**
- 3. Clean and green campus recognitions/awards**
- 4. Beyond the campus environmental promotion and sustainability activities**

Findings of DVV-

Policy document on environment and energy usage
Certificate from the auditing agency. Certificates of the awards received from the recognized agency if any.
 Report on environmental promotional activities conducted beyond the campus with geo tagged photographs with caption and date. Any other supporting document for the claims made. Green audit report of all the years from recognized bodies. In case if documents are in regional language please provide translated copy in English. Google drive links are not accepted.

Response of HEI-

- 1) Policy document on environment and energy usage is attached. (**Appendix-I**)
- 2) Report and certificate from the auditing agency is attached. (**Appendix-II**)
- 3) Report on environmental promotional activities conducted beyond the campus with geo tagged photographs with caption and date are attached. (**Appendix-III**)
- 4) Certificates of the awards received from the recognized agency are attached. (**Appendix-IV**)

Appendix-I



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अमृतं तु विद्या

Bharatiya Vidya Bhavan's Sardar Patel College of Engineering

(Government-Aided Autonomous Institute)

MUNSHI NAGAR, ANDHERI (WEST), MUMBAI - 400 058.



E-mail : principal@spce.ac.in
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GREEN CAMPUS POLICY

INTRODUCTION:

The concept of green campus is an integration concept in the Education research and community service system in environmental management. Green campus is a combination of the environment and the campus world in its management. The concept of the environment which includes 3R (reduce, reuse, recycle), greening, in front of office, NSS and so on are combined with the campus concept which consists of the physical condition of the campus, campus location and the behaviour of campus residents. Basically its a eco-friendly practice to make the campus a better place to live in.

OBJECTIVES OF GREEN CAMPUS CONCEPT:

The college pledges to :

- The first step of the Go Green Programme involves establishing a viable Green-Campus Committee, within the organizational structure of the Institute.
- Hence, to give this initiative more clarity and authenticity, we now roll out a Policy document spelling out the strategies, plans and other allied tasks to make this Program functional officially.
- 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.
- The Institute has to work 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.
- Our initiative will include working with students, faculty and support staff to foster a culture of self-sustainability and make the entire campus environmental friendly. The Green Campus Initiatives will enable us to develop the campus as a living laboratory for innovation.

LANDSCAPING INITIATIVE:

- Our college has a scarcity of open land space hence plantation to be carried out will be done within the building area , all to be light weighted so that the college building does not bear additional potting weights.

CLEAN AIR INITIATIVE:

- Our college pledges to reduce air pollution
- Maintain good green cover to enhance CO₂ sequestration from campus.
- No vehicle day in a month to be initiated.



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WASTE MANAGEMENT PROCESSES:

- This Policy underlines our commitment with regard to sustainable waste management. It outlines a set of agreed aims and deliverables for all aspects of sustainability, including recycling and waste management.
- The college adheres to the following principles of the waste management:
 - Prevent – avoid creating waste
 - Reduce – minimising the amount of waste produced
 - Reuse – repair, refurbish or relocate items
 - Recycle – promote segregation of waste to increase the quantity of waste recycled
 - Recovery – send non-recyclable waste to energy recovery
 - Disposal – this will only be used as a last resort if all other options are exhausted

Solid Waste Management :

- Measures shall be taken for minimal or optimal use of papers: Instead of taking hard copies of documents, keep in digital format as far as possible.
- Strategies to lessen the generation of paper waste are adopted: double-sided printing, printing in reduced font size, printing in “fast draft” mode etc.
- e-billing is promoted to reduce use of paper.
- Use of paperclips (over staples) is encouraged.
- Reusing of envelopes with metal clasps and file folders by sticking a new label over the previous one is promoted.
- Colour coded dustbin system is employed for segregation of solid waste: green dustbins for biodegradable wastes like food; blue dustbins for disposal of plastic wrappers and non- biodegradable wastes.
- Composting of the bio-degradable waste.
- Cleaning or emptying of dustbins is ensured at regular intervals daily.
- Sanitary napkins are disposed in incinerators installed in the campus.

Liquid waste management : (Chemical Waste Management)

- Implement Lab Pack Service: The lab pack disposal process involves first identifying, categorizing, and segregating each chemical by type (solvent, acid, or base), re-packaging them, then depositing the packaged chemicals into a drum or a tank. (Black bin)
- Academic strategies are taken to reduce the amount of chemical waste generated in the laboratories.
- Promote existing reuse schemes and develop additional recycling schemes to stream more waste at source.
- Communicate effectively with our employees, students, and residences to increase engagement and participation in the recycling initiatives across campus



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E-waste Management :

- Obsolete electronic devices are disposed through approved agencies.
- Purchasing of devices with increased life time is encouraged.
- The buyback policy of the retailers will be utilized to purchase new computers and batteries for out-dated computers and laptops.
- MoUs with relevant agencies are renewed time to time.



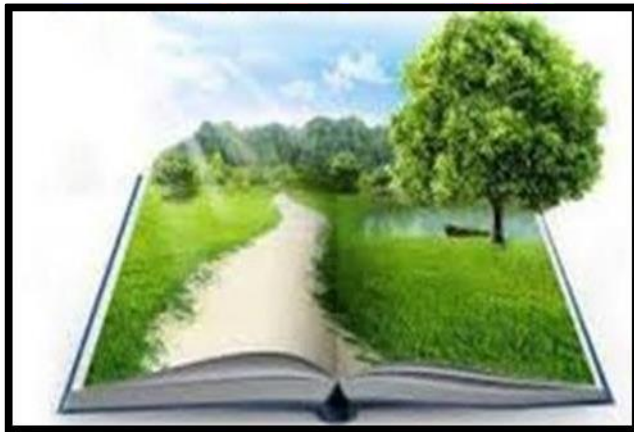
[Handwritten Signature]

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Appendix-II

SARDAR PATEL COLLEGE OF ENGINEERING

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai 400 058.
(2022-23)



Prepared By

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1. Executive Summary

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institute which will lead for sustainable development.

SARDAR PATEL COLLEGE OF ENGINEERING Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai 400 058 is deeply concerned and unconditionally believes that there is an urgent need to address these fundamental problems and reverse the trends. Being a premier institution of higher learning, the college has initiated 'The Green Campus' program that actively promote the various projects for the environment protection and sustainability.

The purpose of the audit was to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution. The methodology include: physical inspection of the campus, observation and review of the documentation, interviewing key persons, data analysis, measurements and recommendations. It works on the several facets of 'Green Campus' including Water Conservation, Tree Plantation, Waste Management, Paperless Work and Alternative

Energy. With this in mind, the specific objectives of the audit are to evaluate the adequacy of the management control framework of environment sustainability as well as the degree to which the departments are in compliance with the applicable regulations, policies and standards. It can make a tremendous impact on student's health and learning college operational costs and the environment. The criteria, methods and recommendations used in the audit are based on the identified risks.

1.1 Introduction

Green Audit can be defined as systematic identification, quantification, recording, reporting and analysis of components of environmental diversity. The 'Green Audit' aims to analyze environmental practices within and outside the college campus, which will have an impact on the eco-friendly ambience. It was initiated with the motive of inspecting the work conducted within the organizations whose exercises can cause risk to the health of inhabitants and the environment. Through Green Audit, one gets a direction as how to improve the condition of environment and there are various factors that have determined the growth by carrying out Green Audit.

Green audit is assigned to the criteria 7 of NAAC, National Assessment and Accreditation Council which is a self-governing organization of India and it declares the institutions as Grade A++, A+, A, B++, B+, B or C according to the scores assigned during the accreditation.

1.2 About the College

Sardar Patel College of Engineering under the management of the Bharatiya Vidya Bhavan, was founded by Kulapati Dr. K.M.Munshi. It was established to meet the growing demand for engineering lent. The college was inaugurated by the first Prime Minister of Independent India, Shri. Pandit Jawaharlal Nehru in 1962. The college is situated in 45 acres of green campus and Andheri (West) in Mumbai.

The college is named after the Iron Man of India, Shri. Sardar Vallabhbhai Patel, an eminent nation builder of independent India. The UGC awarded autonomous status to the Institute w.e.f. Academic Year 2010-11. The college takes up substantial amount of testing and consultancy assignments in the Civil Engineering Department.

VISION:

Sardar Patel College of Engineering (SPCE) aspires to be an institution of national repute that will create professionals with competence and motivate research for the progress of the nation.

MISSION:

To impart quality education through time relevant curriculum in academic programs
To enhance career opportunities for students through industry-institute interaction and value-added courses

To promote excellence by encouraging innovative ideas and lateral thinking

To inculcate a sense of discipline and responsibility towards society

2. Objectives of the Study

The main objective of the green audit is to promote the Environment Management and Conservation in the College Campus. The purpose of the audit is to identify, quantify, describe and prioritize framework of Environment Sustainability in compliance with the applicable regulations, policies and standards. The main objectives of carrying out Green Audit are: Accordingly, Green Audit mainly emphasize the following key areas-



1. Saving power :

This includes energy saving where the authorities identifies way to save electric, natural gas, and other forms of power that are inefficient or being wasted in the organization. This is done by recommending more efficient electric heating & cooling etc.

2. Saving water:

This involves educating the employees on ways to save, reuse precious water resources both inside & outside the premises. The basic emphasis should be to reduce water consumption.

3. Greening the work place:

This is achieved by designing a greener office space. This involves use of alternate power sources like solar power, reducing biological contaminants like pesticides, implementing green landscaping option & rain water harvesting.

4. Driving Green:

Vehicle driving is one of the largest contributors to both energy use & environmental pollution. The employees' should be trained to make more fuel efficient driving choices, optimize fuel consumption & consider alternate fuel vehicles. Possibilities to use public transport or group travelling have also to be explored for reduced gas emissions. Periodic emission tests need to be conducted to check for efficient fuel consumption.

3. Methodology

In order to perform green audit, the methodology included different tools such as physical inspection of the campus, observation and review of the documentation, interviewing key persons and data analysis, measurements and recommendations. The study covered the following areas to summarize the present status of environment management in the campus:

- ❖ Water management
- ❖ Energy conservation
- ❖ Waste management

- ❖ E-waste management
- ❖ Green area management

4. Observations and Recommendations

4.1 Water Use

This indicator addresses water consumption, water sources, irrigation, storm water, appliances and fixtures. A water audit is an on-site survey and assessment to determine the water use and hence improving the efficiency of its use.

Observations

The study observed that ground water, bore well and rain water is major sources of water. Water is used for drinking purpose from RO after treatment there is one RO water cooler having capacity 400 liters per hour. Water is used for toilets, Cleaning and gardening purpose. During the survey, no loss of water is observed, neither by any leakages nor by over flow of water from overhead tanks. The data collected from all the departments is examined and verified. On an average the total use of water in the college is 6,000 L/day, which include 3,000 L/day for domestic purposes, 2,000 L/day for gardening and 1,000 L/day for Others.

Test Report

Sr. No.	Parameters	Results	Acceptable Limit as per IS 10500: 2012	Units
1.	Color	1	Max. 5	Hazen Units
2.	Odour	Agreeable	Agreeable	-
3.	pH	7.12	6.5-8.5	-
4.	Turbidity	0.6	Max. 1	N.T.U.
5.	Total Dissolved Solids	124	Max. 500	mg/L
6.	Calcium (as Ca)	9	Max. 75	mg/L
7.	Chloride (as Cl)	9.0	Max. 250	mg/L
8.	Fluoride (as F)	<0.05	Max. 1	mg/L
9.	Iron (as Fe)	<0.06	Max. 0.3	mg/L
10.	Magnesium (as Mg)	5.8	Max. 30	mg/L
11.	Nitrate (as NO ₃)	6.02	Max. 45	mg/L

12.	Sulphate (as SO ₄)	13.13	Max. 200	mg/L
13.	Alkalinity (as CaCO ₃)	38	Max. 200	mg/L
14.	Total Hardness (as CaCO ₃)	48	Max. 200	mg/L
15.	<i>E.coli</i>	Absent	Not Detectable	/100 ml
16.	Total Coliforms	Absent	Not Detectable	/100 ml

RO water filters



Recommendations

- ❖ Minimize wastage of water and use of electricity during water filtration process, if used, such as RO filtration process and ensure that the equipment's used for such usage, are regularly serviced and the wastage of water is not below the industry average for such equipment's used in similar capacity.
- ❖ Ensure that all cleaning products used by college staff have a minimal detrimental impact on the environment, i.e. are biodegradable and non-toxic, even where this exceeds the Control of Substances Hazardous to Health (COSHH) regulations.
- ❖ The college has to take actions to strengthen rain water harvesting. Rain water harvesting for separate buildings are lacking. Measurement of quantity of water obtained from the rain water harvesting should be done.
- ❖ Need of monitoring, controlling overflow is essential and periodically supervision drills should be arranged. In campus small scale/medium scale/large scale reuse and recycle of water system is necessary.

4.2 Energy Use and Conservation

This indicator addresses energy consumption, energy sources, energy monitoring, lighting, appliance, natural gas and vehicles. Energy use is clearly an important aspect of campus sustainability and thus requires no explanation for its inclusion in the assessment.

Observations

Energy source utilized by all the departments and common facility center is electricity only. Total energy consumption is determined as 15048 KW/Year by major energy consuming equipment.

All the departments and common facility centers are equipped with LED lamps. Approximately 153+ plus LED were counted during survey. Besides this, recently Solar Lights were Installed in the Campus as an alternate renewable source of energy. Equipment like Computers is used with power saving mode. Also, campus

administration runs switch-off drill on regular basis. In all departments electricity was shut down after occupancy time as one of the practices for energy conservation. College is using star rated Electrical & lamp; Electronics equipment which saves energy. LED Bulbs/ Tube-light, 4-5 star Rated Air Conditioners. College has always been effortful in making use of renewable energy resources. The average electricity consumption of the College per month is approximately 1500 units. For the purpose, College has already installed a grid connected solar power plant of 18 Kw. It is expected that Units will produce approximately 50 to 110 Kw of electricity per day which will be equivalent to 80 - 100% of energy consumption of the college. This is the step forward for energy conservation and will definitely reduce the electricity consumption of the college and save the money for college.



Recommendations

- ❖ This includes evaluation of procurement practices with ISO 50001. This does not exactly mean that you need to buy the most efficient, but you need to buy the most efficient which is financially viable.
- ❖ Give preference to the most energy efficient and environmentally sound appliances available, this includes only using energy-saving light bulbs
- ❖ Monitor and understand the importance of different sources of college energy consumption, and set appropriate and measurable targets for a reduction certain areas of consumption and/or in the overall consumption of energy.
- ❖ Ensures that all electronic and electrical equipment's, such as computers, are switched off when not in use.
- ❖ Centralized controls of lighting, auditorium etc. to avoid any miss-use of electricity
- ❖ Installation of LED lamps instead of CFL.
- ❖ Installation of Solar panels, Power Purchase Agreements with Solar Power Plant Owners to buy environmentally friendly energy Source etc.
- ❖ Shift to paperless regime wherever not required, example attendance muster replaced by biometrics, DG logbook replaced by computerised logbook, daily reports converted from paper to paper less, HOD meetings converted to paperless formats, and all such examples.
- ❖ Appreciate that it is preferable to purchase electricity from a company that invests in new sources of renewable and carbon-neutral electricity.

Open Well



4.3 Waste Generation

This indicator addresses waste production and disposal of different wastes like paper, food, plastic, biodegradable, construction, glass, dust etc. and recycling. Furthermore, solid waste often includes wasted material resources that could otherwise be channeled into better service through recycling, repair and reuse. Solid waste generation and management is a burning issue. Unscientific handling of solid waste can create threats to everyone. The survey focused on volume, type and current management practice of solid waste generated in the campus. The different solid wastes collected as mentioned above.

Observations

The total solid waste collected in the campus is 10 kg/day. Waste generated from tree droppings is a major solid waste in the campus. The waste is segregated at source by providing separate dustbins for Bio-degradable and Non Bio-degradable waste. Segregation of solid waste generated in all areas is also practiced. Single sided used papers reused for writing and printing in all departments. Important and confidential reports/ papers are sent for recycling after completion of their preservation period to Scrap Agent. Metal waste and wooden waste is stored and given to authorized Scrap agents for further processing.

Lake for Rain water Harvesting



Recommendations

- ❖ Reduce the absolute amount of waste that produces from college staff offices.
- ❖ Make full use of all recycling facilities provided by Nagar panchayat and private suppliers, including glass, cans, white coloured and brown paper, plastic bottles, batteries, print cartridges, cardboard and furniture.
- ❖ Provide sufficient, accessible and well-publicized collection points for recyclable waste with responsibility for recycling clearly allocated.
- ❖ Single sided papers to be used for writing and photocopy
- ❖ Important and confidential papers after their validity to be sent for pulping.

4.4 E-Waste Generation

E-waste can be described as consumer and business electronic equipment that is near or at the end of its useful life. This makes up about 5% of all municipal solid waste worldwide but is much more hazardous than other waste because electronic Components contain cadmium, lead, mercury and Polychlorinated biphenyls (PCBs) that can damage human health and the environment.

Observations

The E-waste generally includes the tube lights, CFL, LED are stored into the scrap yard of college and stored. This waste material is yet to be disposed. E-waste generated in the campus is very less in quantity. The college has total of 65 computers and 4 printers in working condition. The cartridges of laser printers are refilled outside the college campus. Administration conducts the awareness programmes regarding E-waste Management with the help of various departments. The E- waste and defective item from computer laboratory is being stored properly. The institution has decided to contact approved E-waste management and disposal facility in order to dispose E-waste in scientific manner.

The audit team noted that the technical life time / service life of most of the electronic equipment's is yet to be over, thus the presently there is limited generation of waste. However, college needs to device long term and regularized policy of the e -waste disposal.

Recommendations

- ❖ Use reusable resources and containers and avoid unnecessary packaging where possible.
- ❖ Recycle or safely dispose of white goods, computers and electrical appliances
- ❖ Always purchase recycled resources where these are both suitable and available.

4.5 Green Area

This includes the plants, greenery and sustainability of the campus to ensure that the buildings conform to green standards. This also helps in ensuring that the Environmental Policy is enacted, enforced and reviewed using various environmental awareness programmes.

Green Area of College Campus



Observations

To create- green cover, eco-friendly atmosphere, pure oxygen at the college campus, plantation program is organized every year with involving all students, principal and all departments faculty members.

Campus is located in the vicinity of approximately 10+ types (species) of trees. Total 64 trees are available in the college campus. Various tree plantation programs are being organized during the month of July and August at college campus and surrounding villages through NSS unit. This program helps in encouraging eco-friendly environment which provides pure oxygen within the institute and awareness among villagers. The plantation program includes plantation of various type of indigenous species of ornamental and medicinal as well as wild plant species. Under the biodiversity and ecological survey. Rain water harvesting plant is well maintained. College also maintained guava and pomegranate garden in premises.

Plantation of diversified species:

To create-green cover, eco-friendly atmosphere, pure oxygen at the college campus, plantation program is organized every year with involving all students, principal, and all departments faculty members. In this session Tree plantation day program was organized were ornamental, avenue, medicinal plant with rare and exotic beautiful trees was planted in college campus. To keep the greeneries in the campus, we regularly maintain the gardens which are looked by staff under the guidance of garden committee members. Moreover, every year we try to plant new trees. Seasonal flower garden is also a unique feature of this college.



Recommendations

- ❖ Review periodically the list of trees planted in the garden, allot numbers to the trees and keep records. Give scientific names to the trees.
- ❖ Promote environmental awareness as a part of course work in various curricular areas, independent research projects and community service.
- ❖ Create awareness of environmental sustainability and take actions to ensure environmental sustainability.
- ❖ Establish a College Environmental Committee that will hold responsibility for the enactment, enforcement and review of the Environmental Policy. The Environmental Committee shall be the source of advice and guidance to staff and students on how to implement this Policy.
- ❖ Ensure that an audit is conducted annually and action is taken on the basis of audit report, recommendation and findings.
- ❖ Celebrate every year 'Environment Day' and plant trees on this day to make the campus more Green.

Photo Gallery



5. Acknowledgement

We are grateful to the committee members of SARDAR PATEL COLLEGE OF ENGINEERING Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai 400 058 to award this prestigious project and allowed us to enter the new era of Green Audit in the College Campus.

Further we sincerely thank the college staff for providing us necessary facilities and co-operation during the audit. This helped us in making the audit, a success.

Further we hope, this will boost the new generation to take care of Environment and propagate these views for many generations to come.

GREEN AUDIT REPORT

SARDAR PATEL COLLEGE OF EDUCATION

Conclusion and Summary of Findings

1. The College has Rainwater harvesting system which is efficient and sufficient.
2. The College has waste disposal agreement and E- Waste is disposed off systematically and in timely a manner.
3. College has provided wet waste, dry waste and semi dry waste bins for segregation and collection of solid waste. This has been done in entire campus in open space and inside the buildings. The system is working efficiently.
4. The College has created great awareness among the students and staff about the green practices.
5. The College is well landscaped and the green cover is reasonably good and they are found to be increasing the green cover on a continuous basis.
6. The College canteen waste is composted and used as manure for the green cover of the campus.
7. The College has composting units wherein entire bio-degradable waste is converted into compost manure and is used for organic farming of fruits and vegetables in the campus.
8. The water quality in the campus is tested and found potable.
9. The College has provided RO treated water for drinking to every students

10. Noise level in Classrooms and labs is found less than 50 db which is within the safe limits as per Noise Pollution Control rules, 2000.
11. All results of Illumination studies (Classrooms) found within limit as per Factory rules Section 35 Schedule b.
12. Ventilation was found Excellent.



**For Ultraquery Technologies,
Authorised Signatory**

Appendix-III

Swachata Abhiyan
2018-19, 2019-20, 2021-22 and 2022-23



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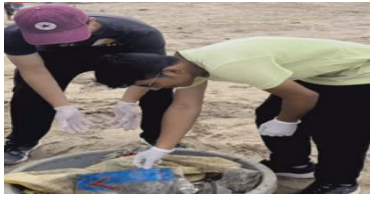


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Activity Report	
Academic Year	2018-19 to 2022-23
Name of the Activity	Swachata Abhiyan
Date	Every year on 03 rd October.
Beneficiaries	Students- All Faculty- All
Venue	Sardar Patel College of Engineering, Andheri West
Brief Report	Swachhata Abhiyan, promotes hygiene and environmental responsibility. It involves cleanliness drives, waste segregation, and recycling initiatives, fostering a clean and sustainable environment. The campaign raises awareness and encourages active participation, shaping a culture of cleanliness and responsibility in communities.
Photographs 2018-19	
Photographs 2019-20	
Photographs 2021-22	
Photographs 2022-23	




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**Swachata pledge, Safety pledge
2018-19, 2019-20, 2021-22 and 2022-23**



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Activity Report	
Academic Year	2018-19 to 2022-23
Name of the Activity	Swachata pledge, Safety pledge
Date	Every year on 28 th April
Beneficiaries	Students- All Faculty- All
Venue	Sardar Patel College of Engineering, Andheri West
Brief Report	The Swachhata and Safety Pledges in college encourage students to commit to cleanliness and safety. The Swachhata Pledge promotes maintaining a clean campus, while the Safety Pledge focuses on following safety protocols and emergency procedures. Both pledges foster a responsible and secure environment, enhancing overall campus well-being.
Photographs 2018-19	
Photographs 2019-20	
Photographs 2021-22	
Photographs 2022-23	




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**Programme on water conservation
2018-19, 2019-20, 2021-22 and 2022-23**



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Activity Report	
Academic Year	2018-19 and 2022-23
Name of the Activity	Programme on water conservation
Date	Every year on 22 nd March
Beneficiaries	Students- All Faculty- All
Venue	Sardar Patel College of Engineering, Andheri West
Brief Report	A program on water conservation in college educates students on efficient water usage and management. It includes workshops, demonstrations, and awareness campaigns about reducing wastage and implementing sustainable practices. The program aims to foster a culture of environmental responsibility and promote actions that contribute to water preservation.
Photographs 2018-19	
Photographs 2019-20	
Photographs 2021-22	
Photographs 2022-23	




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**Sanjay Gandhi National Park
Cleaning Expedition
2018-19, 2019-20, 2021-22 and 2022-23**



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Activity Report	
Academic Year	2019-20 and 2022-23
Name of the Activity	Sanjay Gandhi National Park Cleaning Expedition
Date	Every year on 31 st October
Beneficiaries	Students- All Faculty- All
Venue	Sardar Patel College of Engineering, Andheri West
Brief Report	The Sanjay Gandhi National Park cleaning expedition mobilized students and volunteers to remove litter and debris from the park. The effort included trash collection, waste segregation, and promoting conservation awareness. This initiative aimed to enhance the park's beauty, protect wildlife, and foster environmental responsibility among participants.
Photographs 2018-19	
Photographs 2019-20	
Photographs 2021-22	
Photographs 2022-23	




I/c. Principal
Bharatiya Vidya Bhavan's
Sardar Patel College of Engineering
(Government Aided Autonomous Institute)
Munshi Nagar, Andheri (W), Mumbai - 58.

**Tree Plantation
2018-19, 2019-20, 2021-22 and 2022-23**



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91-22-2628 9777
Fax : 91-22-2623 7819

अमृतं तु विद्या





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Activity Report	
Academic Year	2019-20 and 2022-23
Name of the Activity	Tree Plantation
Date	Every year on 21 st November
Beneficiaries	Students- All Faculty- All
Venue	Sardar Patel College of Engineering, Andheri West
Brief Report	Tree plantation in college involves students and staff planting trees around the campus. The initiative includes selecting suitable species, planting saplings, and providing ongoing care. It aims to enhance campus greenery, improve air quality, and promote environmental stewardship, encouraging the campus community to actively contribute to ecological sustainability.
Photographs 2018-19	
Photographs 2019-20	
Photographs 2021-22	
Photographs 2022-23	




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**E-Waste Drive
2018-19 and 2021-22**



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Activity Report	
Academic Year	2018-19 and 2021-22
Name of the Activity	E-Waste Drive
Date	Every year on 31 st March.
Beneficiaries	Students- All Female Students Faculty- All Female Staff
Venue	Sardar Patel College of Engineering, Andheri West
Brief Report	An e-waste drive in college collects old electronic devices for recycling and proper disposal. It involves setting up collection points and educating students about the environmental impact of e-waste. The initiative aims to reduce electronic waste, promote recycling practices, and raise awareness about sustainable e-waste management.
Photographs 2018-19	
Photographs 2021-22	




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**Programme on Energy
Conservation
2018-19 and 2021-22**



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Activity Report	
Academic Year	2018-19 and 2021-22
Name of the Activity	Programme on Energy Conservation
Date	Every year on 14 th February
Beneficiaries	Students- All Faculty- All
Venue	Sardar Patel College of Engineering, Andheri West
Brief Report	A program on energy conservation in college focuses on reducing energy consumption and promoting sustainable practices. It includes workshops, seminars, and practical tips on saving energy. The initiative aims to raise awareness about efficient energy use, encourage energy-saving behaviors, and foster a culture of environmental responsibility on campus.
Photographs 2018-19	
Photographs 2021-22	




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Appendix-IV

GREEN AUDIT REPORT

SARDAR PATEL COLLEGE OF EDUCATION

Conclusion and Summary of Findings

1. The College has Rainwater harvesting system which is efficient and sufficient.
2. The College has waste disposal agreement and E- Waste is disposed off systematically and in timely a manner.
3. College has provided wet waste, dry waste and semi dry waste bins for segregation and collection of solid waste. This has been done in entire campus in open space and inside the buildings. The system is working efficiently.
4. The College has created great awareness among the students and staff about the green practices.
5. The College is well landscaped and the green cover is reasonably good and they are found to be increasing the green cover on a continuous basis.
6. The College canteen waste is composted and used as manure for the green cover of the campus.
7. The College has composting units wherein entire bio-degradable waste is converted into compost manure and is used for organic farming of fruits and vegetables in the campus.
8. The water quality in the campus is tested and found potable.
9. The College has provided RO treated water for drinking to every students

10. Noise level in Classrooms and labs is found less than 50 db which is within the safe limits as per Noise Pollution Control rules, 2000.
11. All results of Illumination studies (Classrooms) found within limit as per Factory rules Section 35 Schedule b.
12. Ventilation was found Excellent.



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