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Reg.No.:MAH/1184/Kop.
E-mail : bacpvd@yahoo.co.in



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Jayprakash Education Society's
DR. BABASAHEB AMBEDKAR MAHAVIDYALAYA

Barrister Tatyasaheb Mane Vidyanagar, Peth Vadgaon - 416112.
Dist. Kolhapur (Maharashtra) Ph.Office : 0230-2471086

(Affiliated to Shivaji University, Kolhapur)



Founder Chairman : **Hon. Adv. Nanasaheb S. Mane**
B.A., LL.B., Ex.MLA

Chairman : **Shri. Satish S. Mane**
M.A., M.Phil

Principal : **Dr. S. D. Disale**
M.Sc. Ph.D
Mob : 9700650250

Green and Environmental Audit Report

2021-22

GREEN AND ENVIRONMENTAL AUDIT REPORT

Client Name	Dr. Babasaheb Ambedkar Mahavidhyalaya, Peth Vadgaon, Tal. Hatkanangle, Dist. Kolhapur Maharashtra 416112
Project Name	Dr. Babasaheb Ambedkar Mahavidhyalaya, Peth Vadgaon, Tal. Hatkanangle, Dist. Kolhapur Maharashtra 416112
Date	Year 2021-22
Submitted by	Ashokrao Mane Group of Institutions Vathar Tarf Vadgaon, Tal- Hatkanangale, Dist.-Kolhapur (Maharashtra state)



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ACKNOWLEDGEMENT

We appreciate the interest and participation of Honorable Management and Principal and Faculty in carrying out the energy audit at **Dr. Babasaheb Ambedkar Mahavidhyalaya, Peth Vadgaon, Tal. Hatkanangle, Dist. Kolhapur.** Our special thanks to Technicians and Staff involved for college who have extended their co-operation and courtesy to the energy audit team during the audit.



Green And Environmental Audit

Team Member	<p>Dr. H.T. Jadhav Certified Energy Auditor Bureau of Energy Efficiency Director AMGOI, Vathar Tarf Vadgaon.</p> <p>Mr.R.S.Pukale Assistant Professor AMGOI, Vathar Tarf Vadgaon.</p>
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1. GREEN AUDIT

Green audit was initiated with the beginning of 1970s with the motive of inspecting the work conducted within the organizations whose exercises can cause risk to the health of inhabitants and the environment. It exposes the authenticity of the proclamations made by multinational companies, armies and national governments with the concern of health issues as the consequences of environmental pollution. It is the duty of organizations to carry out the Green Audits of their ongoing processes for various reasons such as; to make sure whether they are performing in accordance with relevant rules and regulations, to improve the procedures and ability of materials, to analysis the potential duties and to determine a way which can lower the cost and add to the revenue. 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 of carrying out Green Audit. Some of the incidents like Bhopal Gas Tragedy (Bhopal; 1984), Chernobyl Catastrophe (Ukraine; 1986) and Exxon-Valdez Oil Spill (Alaska; 1989) have cautioned the industries that setting corporate strategies for environmental security elements have no meaning until they are implemented.

Green Audit is assigned to the Criteria 7 of NAAC, National Assessment and Accreditation Council which is a self-governing organization of India that declares the institutions as Grade a, Grade B or Grade C according to the scores assigned at the time of accreditation.

The intention of organizing Green Audit is to upgrade the environment condition in and around the institutes, colleges, companies and other organizations. It is carried out with the aid of performing tasks like waste management, energy saving and others to turn into a better environmentally friendly institute.

1.1 GOALS OF GREEN AUDIT

- The objective of carrying out Green Audit is securing the environment and cut down the threats posed to human health.
- To make sure that rules and regulations are taken care of
- To avoid the interruptions in environment that are more difficult to handle and their correction requires high cost.
- To suggest the best protocols for adding to sustainable development.



1.2 BENEFITS OF GREEN AUDIT

Green Campus

The vision of the institute focuses on the green culture development and to aware community about eco-friendly environment. Since the beginning, trees have shaped us with essential components of life, viz., food and oxygen. As we evolved, they provided additional necessities such as shelter, medicine and tools. Today their value continues to increase and more benefits of trees are being discovered as their role expands to satisfy the needs created by our modern lifestyles. Peth Vadgaon is a small town. It is prosperous with nature. However, due to current urbanization Peth Vadgaon is changing. Therefore, plantation is very useful to sustain the health of the town. The college has taken the tree plantation project to develop awareness about environmental conservation in young generation. It is the great initiative to connect the young generation of the college with the environment.

ACTIVITY REPORT 2022-23

Title of the programme	Tree Plantation
Organized by	NCC
Date of the programme	16 th July 2022
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 35 and SW 09 Total 44 Cadet
Number of Teacher participated	06
Place of extension / outreach activity	College Campus
Beneficiaries	College Campus
Brief Report	



Introduction:

Dr. Babasaheb Ambedkar College, PethVadgaon, Dist. Kolhapur Through National Service Scheme on Monday 16/07/2022, tree plantation was done on a large scale in the vast premises of the college. Program Officer of National Service Scheme Prof. A. A. Gurav welcomed and introduced the dignitaries present. College Principal Prof. J. C. Ghatge expressed his opinion about the importance of tree plantation and the need of the hour. Prof. K. C. Kanade expressed vote of thanks. For this program principal of the college Prof. J. C. Ghatge, N. S. S. Program Officer Prof. A. A. Gurav Teaching and non-teaching staff as well as volunteers of National Service Scheme were present.

Tree Plantation drives combat many environmental issues like deforestation, erosion of soil, desertification in semi-arid areas, global warming and hence enhancing the beauty and balance of the environment. Trees absorb harmful gases and emit oxygen resulting in an increase in oxygen supply. Plants planted 20, Subedar Supanekar Planted Trees.

Aims and Objectives

- Combat many environmental issues like deforestation, erosion of soil, global warming and hence enhancing the beauty and balance of the environment.
- To save endangered environment and to beautify our life.
- Awareness to reduce pollution.

Programme Outcome

- Many saplings of different species were planted. Students were encouraged to address the climate change by participating in the massive tree plantation drive.
- Students were encouraged for tree plantation.

The entire program created a strong feeling among the students.

- It would help to shield the environment
- Recognize the cost saving methods through waste minimizing and managing. Point out the prevailing and forthcoming complications
- Authenticate conformity with the implemented laws
- Empower the organizations to frame a better environmental performance



- It portrays a good image of a company which helps building better relationships with the group of stakeholders
- Enhance the alertness for environmental guidelines and duties.



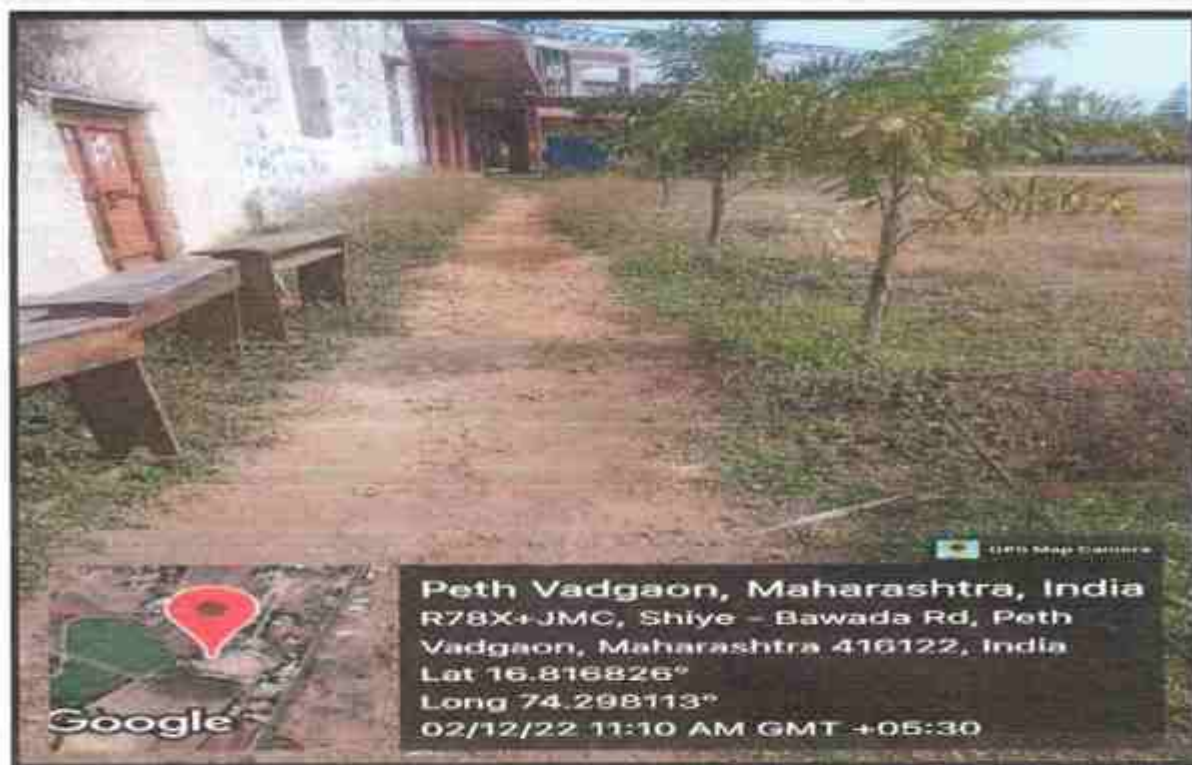
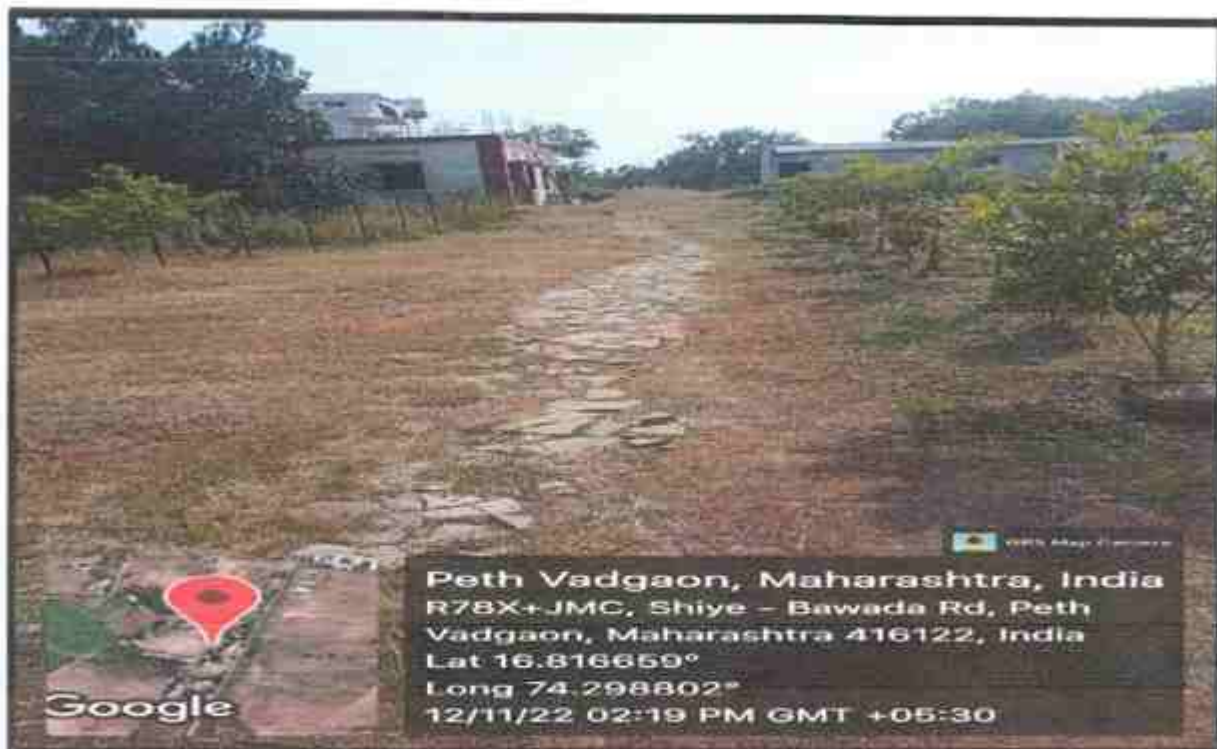






Fig:Tree Plantation in college campus



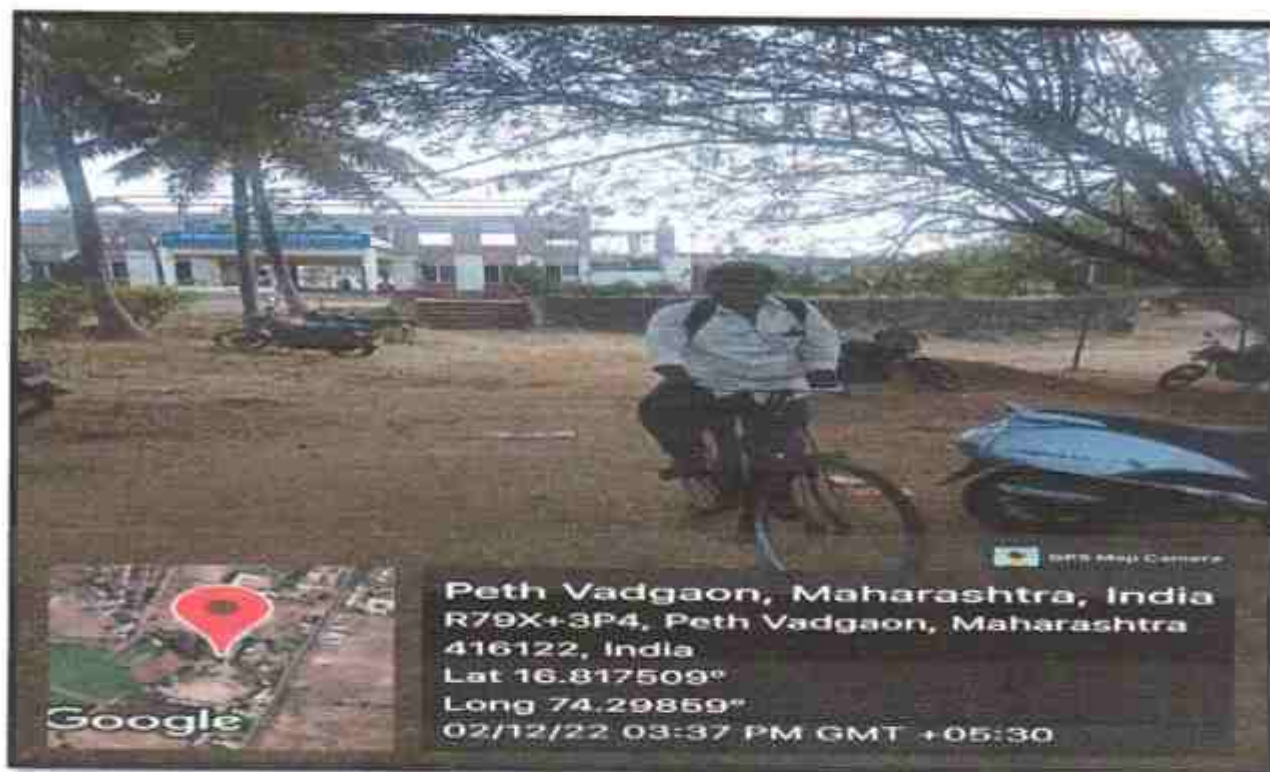


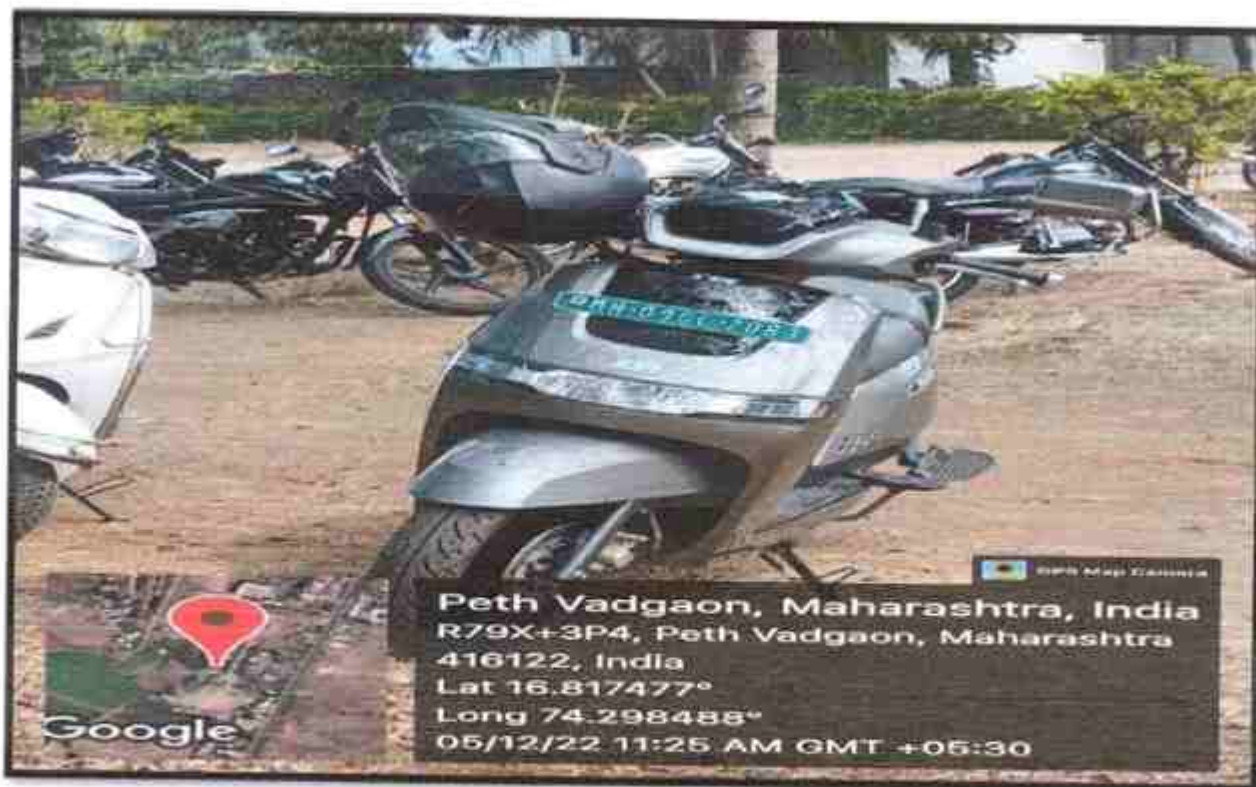
2. ENVIRONMENTAL AUDIT

2.1 World environment day

The world environment day is celebrated every year on 5th June to raise global awareness to take positive environmental action to protect nature and the planet earth. It is a day that reminds everyone on the planet to get involved in environment friendly activities. From school children to community groups, companies and governments, all come together to pledge towards building a greener planet. Keeping this aim in view, Dr. Babasaheb Ambedkar College, PethVadgaon, Dist. Kolhapur were briefed about the importance of this day. They were asked to plant a sapling in small pots and bring them to college to create a green corner in the college corridor. A lot of enthusiasm was seen in the kids who brought pots with saplings of different varieties of herbs and shrubs. The event was conducted successfully with whole hearted participation and awareness for a greener World

2.2 NO Vehicle Day





Our college located in Vadgaon dist kolhapur. In our college about 1000 student are studying in UG to PG section and about 35 teaching and non-teaching staff are present. Most of the students and staff coming from villages by common buses, two wheelers as well car. We are start our college campus pollution free and campus goes to green under the guidance of Prin. Dr. S. D. Disale. Our Principal call the meeting on the month of June 2022 on discussion on No Vehicle Day. During this meeting all students and teaching staff are accepted the rules and regulation of "No - Vehicle Day". During this meeting Principal talks on benefits of "No - Vehicle Day" on the environment, Social life, and Health and Socio economic importance of Nation. All these suggestions and benefits are accepted by students and staff of our college.

Principal released notice to all students, faculties and non teaching staff of college on 25/11/2022. During meeting finalized last Saturday of every month is "No Vehicle Day" of campus. All the students, faculties and non teaching staff of college are accepted for Future Safe, clean Environment and Sound Free Zone. In our College 5 staff coming by Electrical Vehicle, 4 staff coming by Motor Cycle, 2 staff by Own car, 15 by Bicycle, 10 staff by Public Transport and remaining are by walk. Most of the students are coming by Public transport. "No Vehicle Day" was declared on last Saturday of every Month. Last Saturday of every month considered as a "No Vehicle Day".



Output of "No -Vehicle Day"

1. No Vehicle Day helps to avoid air pollution and sound pollution.
2. It also helps to save the excess burning of fossil fuels.
3. It also protects nature from high temperature and minimum release of polluting gases.
4. It also responsible for increase the income of public transport.
5. It saves the consumption petrol and diesel of Nation.
6. It protects environment from air pollution.
7. It maintains free sound pollution and clean College campus.
8. Each staff and student involved in protection of Earth from air pollution.

2.3 Plastic And Paper Free Campus



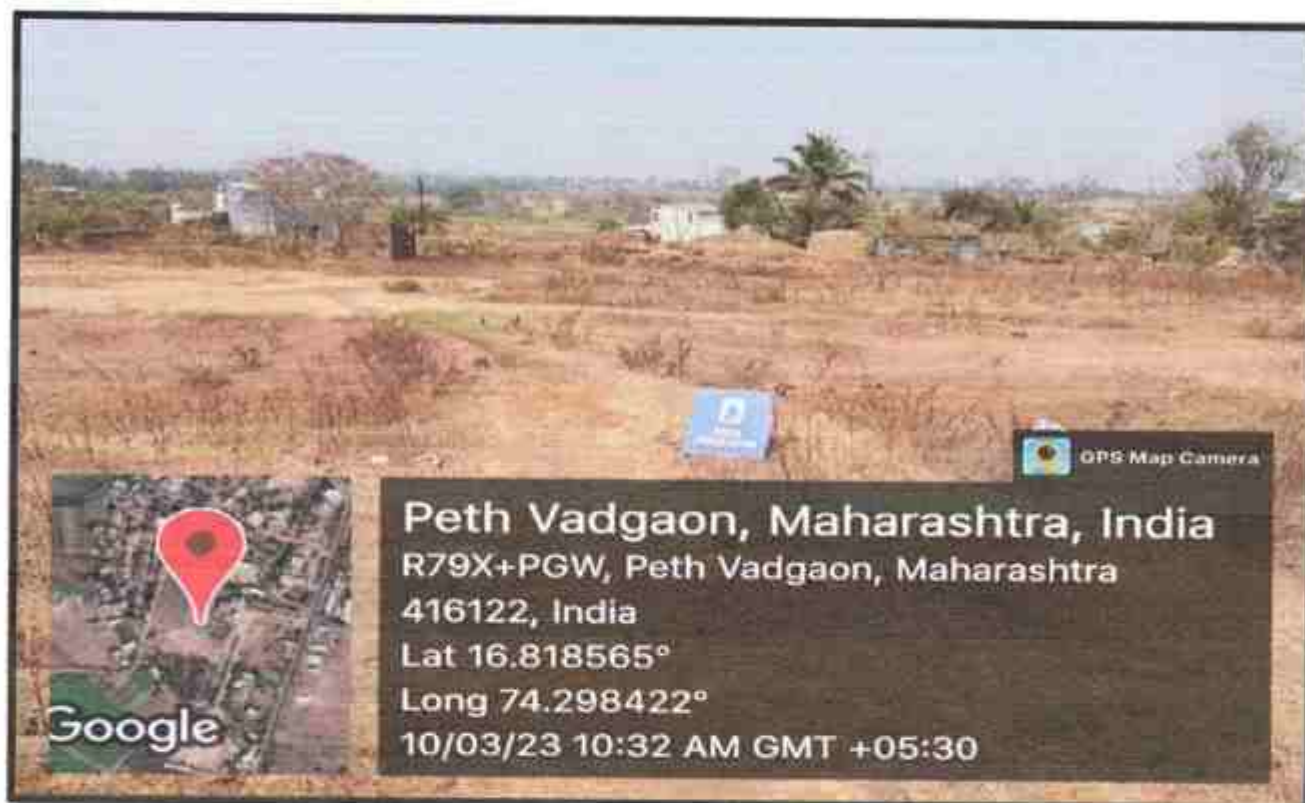
Initiative has been taken by college administrative to make the campus plastic and paper free. Most of the information is now shared to the faculty and students by email and social media applications rather than paper notice. Also, college has organized awareness program for students on above topic. It has been decided that 1 day in a month will be celebrate as bicycle day which will avoid the use of motor vehicles Below is the image of awareness program conducted in college.

2.4 Liquid Waste Management

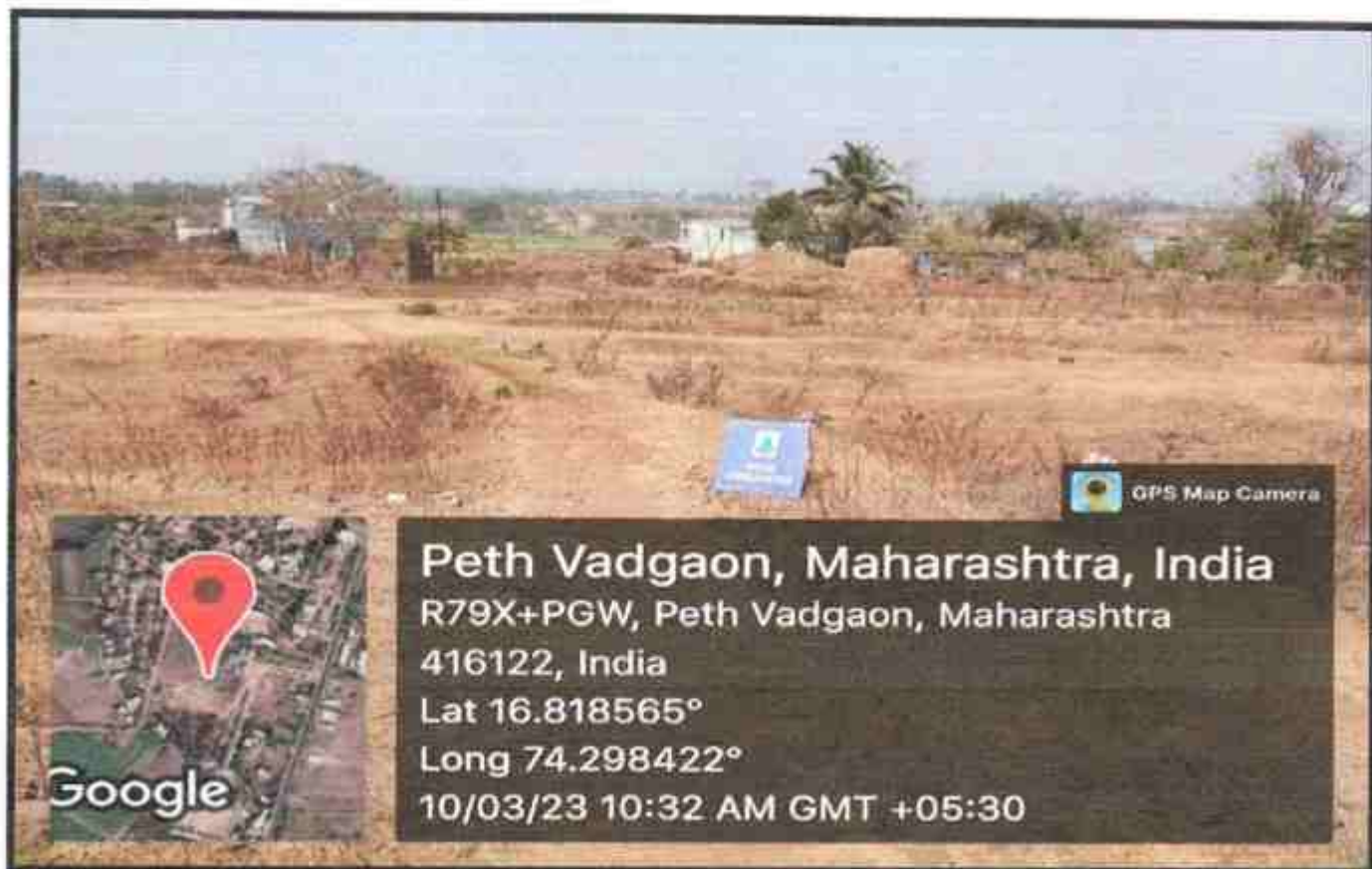
- **Liquid waste management:**
- The waste chemicals mixed water from laboratory passes through concealed pipe line into soak pit & recycled water is used for the watering trees or non-potable usage.
- Liquids are diluted by getting mixed with the washroom and toilet liquid wastes in to the common drainage.

- **Water Conservation**

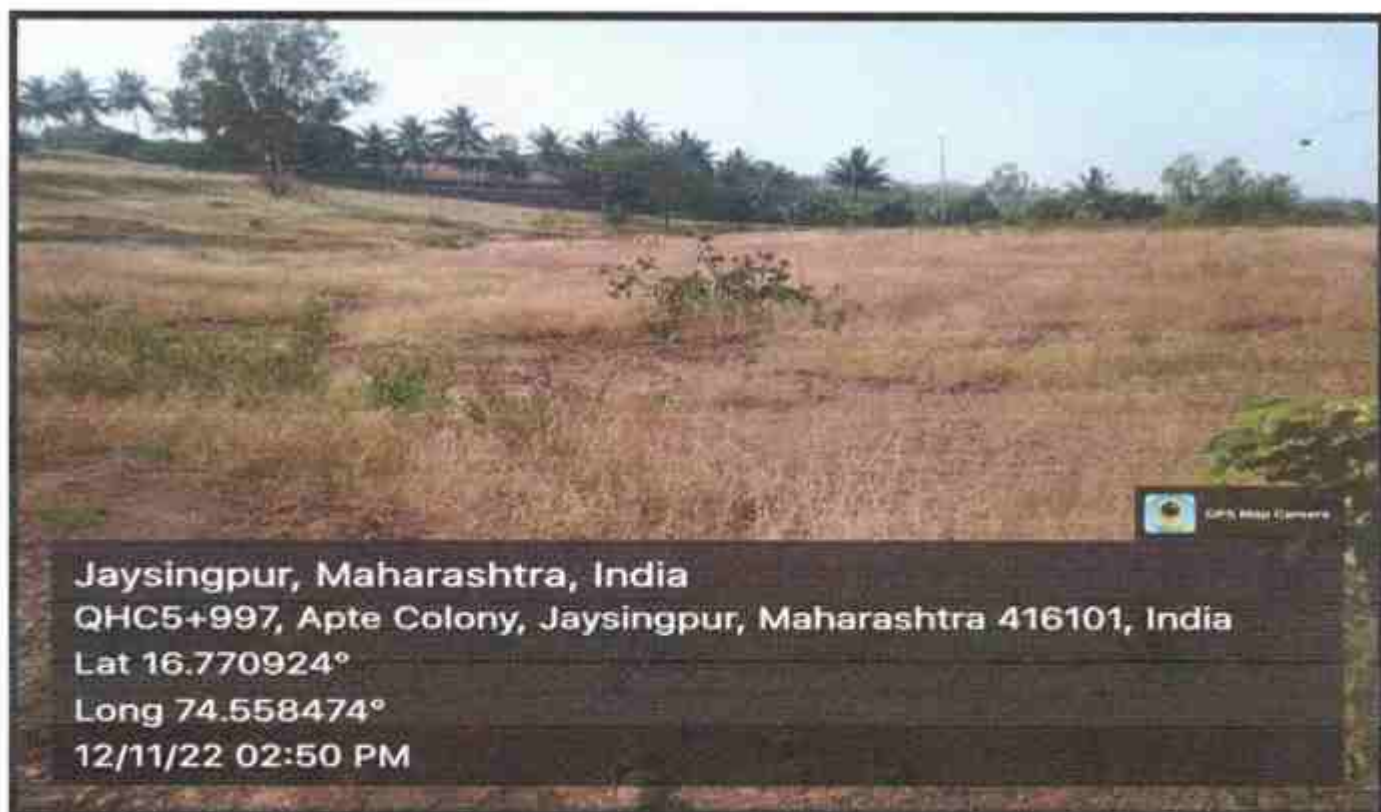
Water conservation is the practice of using water efficiently to reduce unnecessary water usage. According to Fresh Water Watch, water conservation is important because fresh clean water is a limited resource, as well as a costly one.

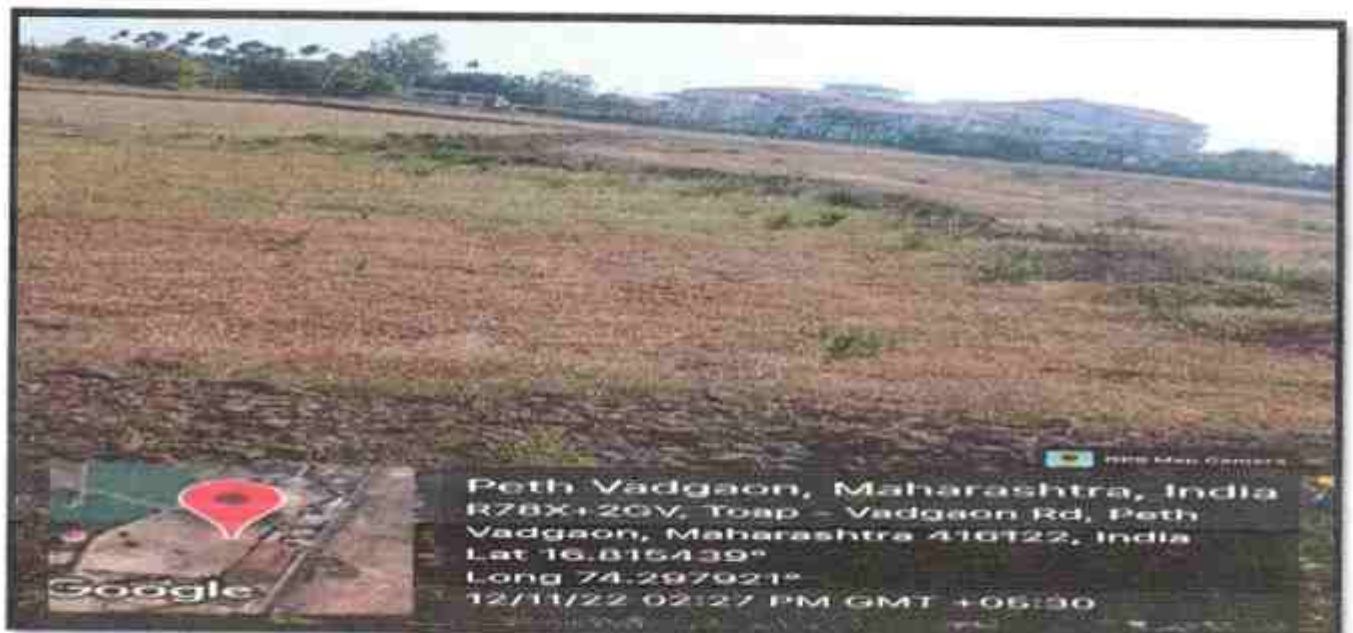
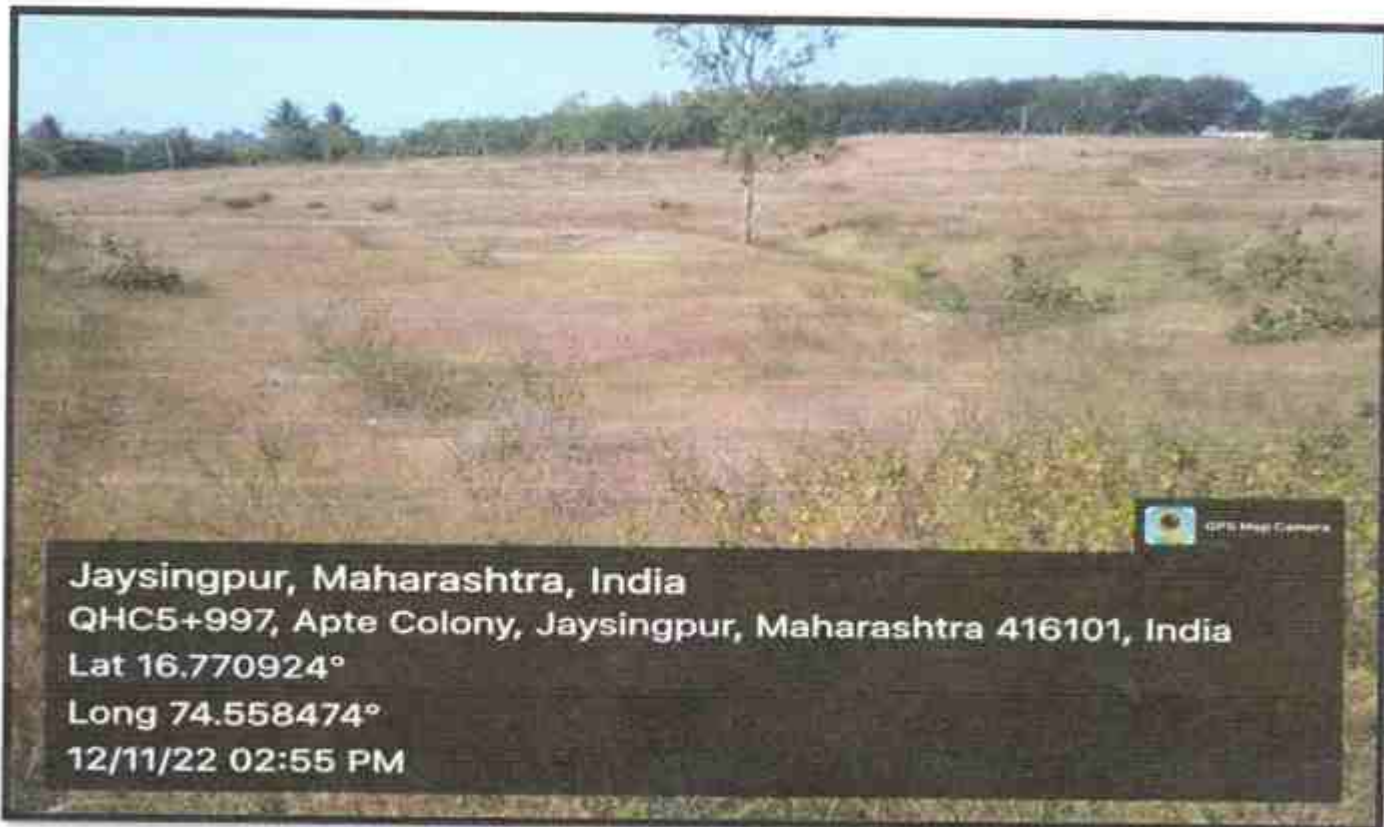






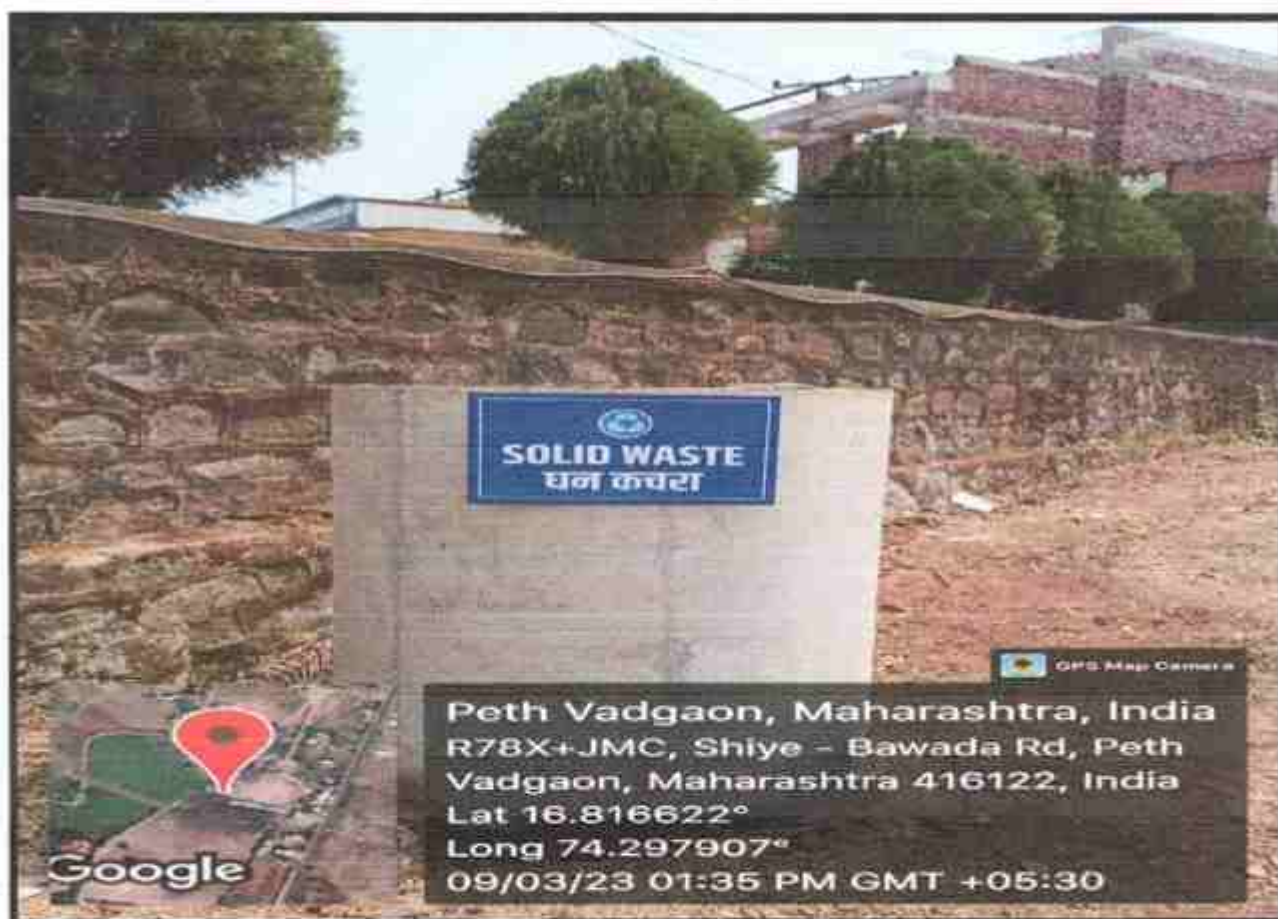
Rain Water Conservation

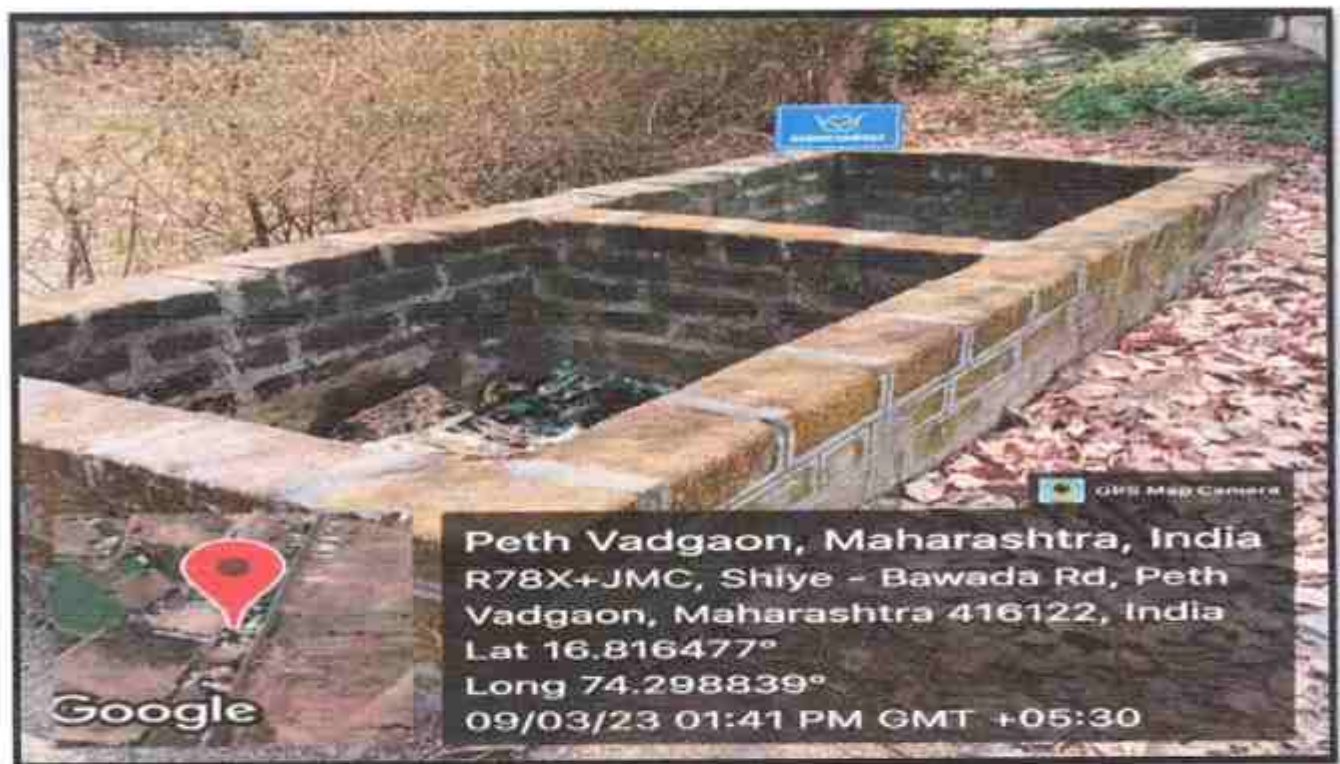




2.5 Solid waste management

- To reduce waste at institute, students and staff are educated on proper waste management practices through lectures, advertisement on notice boards, displaying slogan boards in the campus.
- Waste is collected on a daily basis from various sources and is separated as **dry and wet waste**.
- Color coded dustbins are used for different types of wastes. Green for wet and blue for solid waste.
- Daily garbage is collected by housekeeping personnel and handed over to authorized personnel of vadgaon municipal for further processing. All waste water lines from toilets; bathrooms etc. are connected with Municipal drainage mains. Waste material like plastic, papers etc. are collected and sold out to scrap vendor from time to time.
- Efforts have taken to produce compost manure from the canteen solid waste and waste from other sources and efficiently run by the students. Manure is used for the purpose of herbal garden as well or for planted tree.





2.6 E-waste management

The disposal of E-Waste is a rapidly growing problem because electronic equipment frequently contains hazardous substances which affect the environment and human health. E-waste such as, discarded computers, office electronic equipment, monitors, Hard Disks are disposed off as per their conditions. These wastes are sold to local scrap. Efforts are made to reduce e-waste by making optimum use of electronic devices.

Observations

The college conscientiously works towards generating minimal e-waste, for which the following strategies are adopted: Regular maintenance of electronic equipment and computers by the in house technician and AMC, ensures longer life. Weeded out computers from the computer science laboratories due to up gradation are transferred to departments, the administration within the college campus. Outdated Computers, servers, monitors, compact discs (CDs), DVD's, printers, scanners, copiers, motherboard, battery cells and other electronic equipment, weeded out from the computer laboratory are used for demonstration of internal parts of the equipment. Some electronic equipment are replaced with newer models due to the rapid technology advancements and production of newer electronic equipment.

Recommendations:

Electronic equipment may contain heavy metals and other materials. Computers and electronic equipment typically contain:

- **Lead** - Computer monitors contain a picture tube known as a cathode ray tube (CRT). CRTs contain leaded glass, and are the largest source of lead in municipal waste. Solder used in printed circuit boards may also contain lead.

- **Cadmium** - The largest source of cadmium in municipal waste is rechargeable nickel cadmium (NiCd) batteries. These batteries are found in most desktop and laptop computers.

- **Mercury** - Some electronic equipment also contains recoverable quantities of mercury, which is a toxic metal. Unwanted electronic equipment must therefore either be donated for reuse or sent for recycling.



2.7 World Ozone Day

The World Ozone Day is celebrated on September 16th of every year to spread awareness about the Ozone depletion .The theme for this year celebration given by United Nation Environmental Programme is – “Ozone for life: 35 years of ozone layer protection”. The slogan of the day Ozone for life , reminds us that not only is Ozone crucial for life on Earth ,but that we must continue to protect the ozone layer for future generation .

To spread the awareness and make the young minds understand about the importance of Ozone layer and the need to protect this fragile shield of gas ,the students of Dr. Babasaheb Ambedkar Mahavidyalaya, Peth Vadgaon, Kolhapur. were involved in various activities virtually like Online Poster making, Quiz contest etc .The students were very enthusiastic and prepared beautiful posters /charts depicting drawings of the ozone layer depletion .

Through PowerPoint Presentation , Children were apprised that Ozone layer is a natural part of our atmosphere and shields Earth from most of the Sun’s harmful ultraviolet radiations . UV rays can be very damaging for our planet- for plants , humans and animals all alike .

The students were also sensitised that as a result of Ozone depletion there will be increase in Earth temperature, melting of glaciers ,cancerous disease and rise in the level of ocean and many more. Through the activities children were encouraged to adopt and follow simple ways to keep the Ozone layer safe such as:

- Buy energy saving gadgets and bulbs.
- Follow 4 R’s policy-Reduce, Reuse, Refuse and Recycle at home and school.
- Use alternative means of transport : buses ,bicycles or simply walk or carpools
- Avoid buying and using aerosols and spray having CFC.

Active and energetic participation of students was observed throughout the session .On the whole it was a creative and interesting session, which enlightened the students and made them realise the seriousness of the situation.





3 CONCLUSIONS AND GENERAL RECOMMENDATION OF THE AUDIT

- a) Consider planting trees and shrubs in strategic locations to help to reduce the temperature and airflow in Laboratory, classroom etc. Trees planted on the west and south sides of buildings help to keep the buildings shaded during hotter weather.
- b) Formation of Environment Policy and communicated to all faculties and other staff members.
- c) Reduction in use of paper work by go digital system.
- d) Water Meter should be installed at institute for monitoring of water consumption for landscape.
- e) Increase in Environmental promotional activities for spreading awareness at campus.
- f) As practically feasible avoid use of personal vehicles inside the campus.



Mr. R. S. Pukale

Energy Audit Coordinator

Department of Electrical Engineering



Dr. H. T. Jadhav
Director AMGOI, Vathar
Certified Energy Auditor (BEE)
Reg. No. - EA - 3023



2020-21

GREEN AND ENVIRONMENTAL AUDIT REPORT

Client Name	Dr. Babasaheb Ambedkar Mahavidhyalaya, Peth Vadgaon, Tal. Hatkanangle, Dist. Kolhapur Maharashtra 416112
Project Name	Dr. Babasaheb Ambedkar Mahavidhyalaya, Peth Vadgaon, Tal. Hatkanangle, Dist. Kolhapur Maharashtra 416112
Date	Year 2020-21
Submitted by	Ashokrao Mane Group of Institutions Vathar Tarf Vadgaon, Tal- Hatkanangale, Dist.-Kolhapur (Maharashtra state)



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Green And Environmental Audit

Team Member	<p>Dr. H.T. Jadhav Certified Energy Auditor Bureau of Energy Efficiency Director AMGOL, Vathar Tarf Vadgaon.</p> <p>Mr.R.S.Pukale Assistant Professor AMGOL, Vathar Tarf Vadgaon.</p>
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1. GREEN AUDIT

Green audit was initiated with the beginning of 1970s with the motive of inspecting the work conducted within the organizations whose exercises can cause risk to the health of inhabitants and the environment. It exposes the authenticity of the proclamations made by multinational companies, armies and national governments with the concern of health issues as the consequences of environmental pollution. It is the duty of organizations to carry out the Green Audits of their ongoing processes for various reasons such as; to make sure whether they are performing in accordance with relevant rules and regulations, to improve the procedures and ability of materials, to analysis the potential duties and to determine a way which can lower the cost and add to the revenue. 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 of carrying out Green Audit. Some of the incidents like Bhopal Gas Tragedy (Bhopal; 1984), Chernobyl Catastrophe (Ukraine; 1986) and Exxon-Valdez Oil Spill (Alaska; 1989) have cautioned the industries that setting corporate strategies for environmental security elements have no meaning until they are implemented.

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The intention of organizing Green Audit is to upgrade the environment condition in and around the institutes, colleges, companies and other organizations. It is carried out with the aid of performing tasks like waste management, energy saving and others to turn into a better environmentally friendly institute.

1.1 GOALS OF GREEN AUDIT

- The objective of carrying out Green Audit is securing the environment and cut down the threats posed to human health.
- To make sure that rules and regulations are taken care of
- To avoid the interruptions in environment that are more difficult to handle and their correction requires high cost.
- To suggest the best protocols for adding to sustainable development.



1.2 BENEFITS OF GREEN AUDIT

Green Campus

The vision of the institute focuses on the green culture development and to aware community about eco-friendly environment. Since the beginning, trees have shaped us with essential components of life, viz., food and oxygen. As we evolved, they provided additional necessities such as shelter, medicine and tools. Today their value continues to increase and more benefits of trees are being discovered as their role expands to satisfy the needs created by our modern lifestyles. Peth Vadgaon is a small town. It is prosperous with nature. However, due to current urbanization Peth Vadgaon is changing. Therefore, plantation is very useful to sustain the health of the town. The college has taken the tree plantation project to develop awareness about environmental conservation in young generation. It is the great initiative to connect the young generation of the college with the environment.



ACTIVITY REPORT 2020-21

Name of the programme	Tree Plantation
Organized by	NCC
Date of the programme	20 th July 2020
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 35 and SW 09 Total 44 Cadet
Number of Teacher participated	06
Place of extension / outreach activity	College Campus
Beneficiaries	College Campus

Introduction:

Tree Plantation drives combat many environmental issues like deforestation, erosion of soil, desertification in semi-arid areas, global warming and hence enhancing the beauty and balance of the environment. Trees absorb harmful gases and emit oxygen resulting in an increase in oxygen supply. Plants planted 20, Subedar Supanekar Planted Trees.

Aims and Objectives

- Combat many environmental issues like deforestation, erosion of soil, global warming and hence enhancing the beauty and balance of the environment.
- To save endangered environment and to beautify our life.
- Awareness to reduce pollution.

Programme Outcome

- Many saplings of different species were planted. Students were encouraged to address the climate change by participating in the massive tree plantation drive.
- Students were encouraged for tree plantation.

The entire program created a strong feeling among the students.





Title of the programme	MEGA POLLUTION AWARENESS PAKHWADA Special lecture on 'Plastic Pollution'
Organized by	NCC
Date of the programme	08 th July 2020
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 19 and SW 07 Total 26 Cadet
Number of Teacher participated	03
Place of extension / outreach activity	College Campus
Beneficiaries	Cadets

Introduction:

Plastic pollution is the accumulation of plastic objects and particles (e.g. plastic bottles, bags and micro beads) in the Earth's environment that adversely affects humans, wildlife and their habitat. Plastics that act as pollutants are categorized by size into micro, meso or macro debris. Plastics are inexpensive and durable, making them very adaptable for different uses; as a result, manufacturers choose to use plastic over other materials. However, the chemical structure of most plastics renders them resistant to many natural processes of degradation and as a result they are slow to degrade. Together, these two factors allow large volumes of plastic to enter the environment as mismanaged waste and for it to persist in the ecosystem. Plastic pollution can afflict land, waterways and oceans.

Aims and Objectives

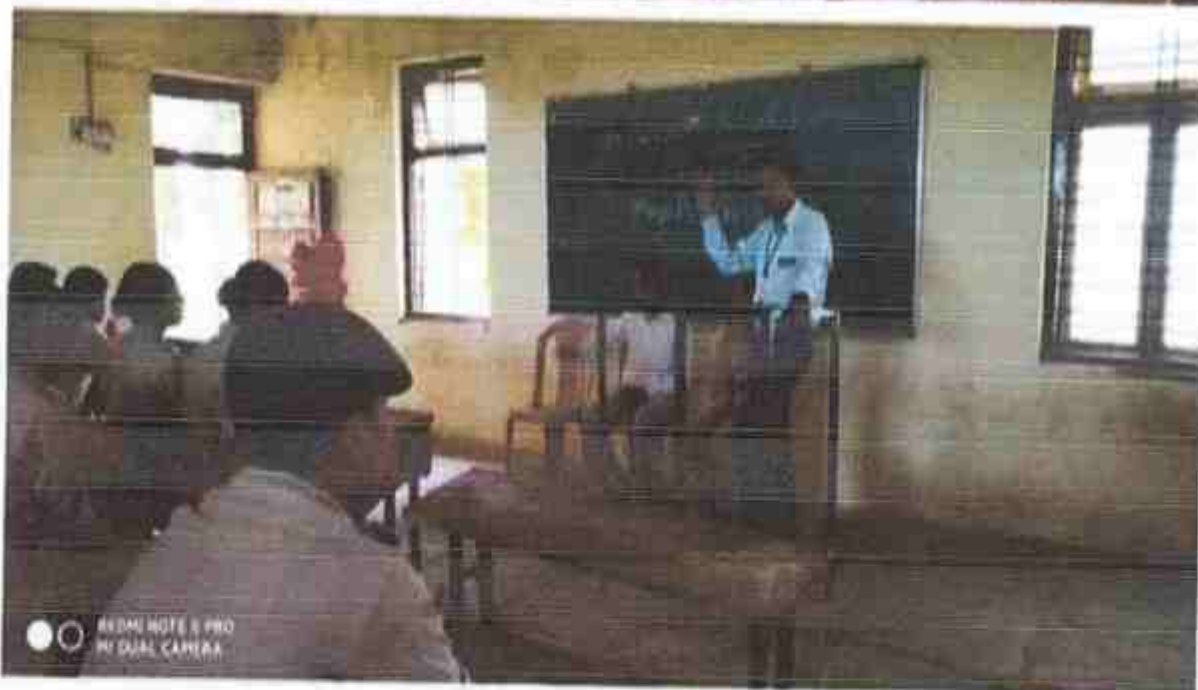
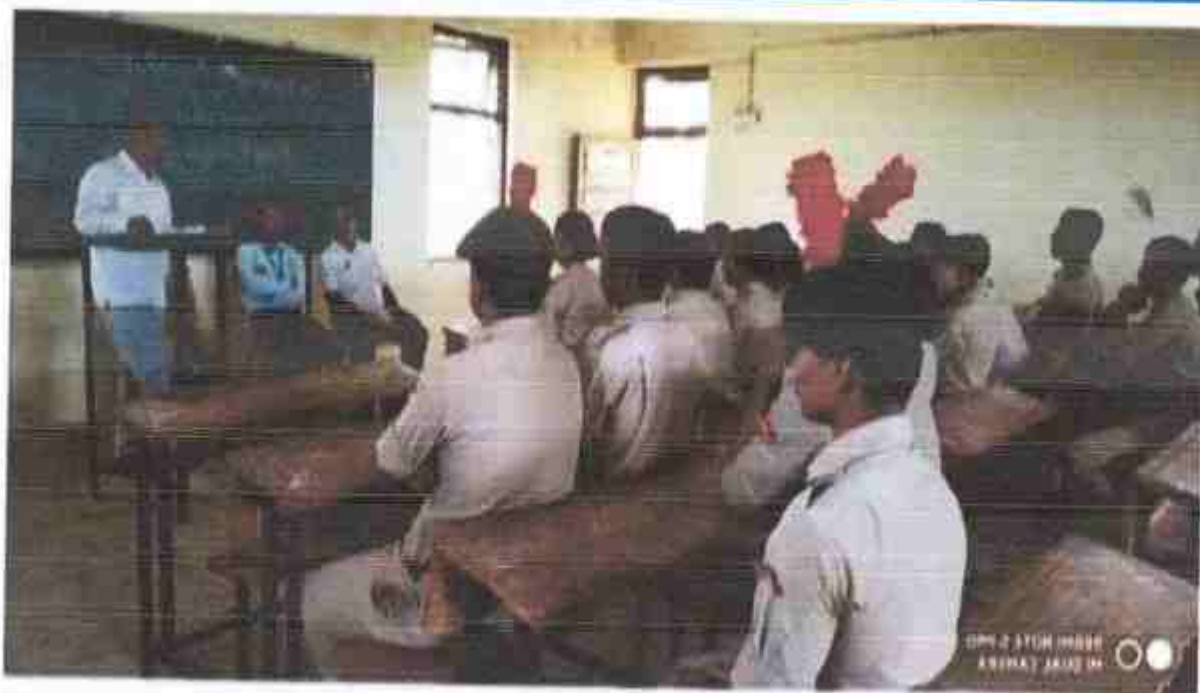
- To sensitize people against various kind of pollution.
- To create awareness about pollutions impact on health.
- To organized various activities like lectures, rallies, nuked, quiz, pledge etc.

Programme Outcome

- Cadet aware about various types of pollution
- People also know about various types of pollution

The cadets perform these activities as part of social responsibilities and community





Title of the programme	SWACHHATA PAKHWADA Cleanness Drive
Organized by	NCC
Date of the programme	19 th September 2019
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 40 and SW 10 Total 50 Cadet
Number of Teacher participated	02
Place of extension / outreach activity	Peth -Vadgaon Bus Stand Campus
Beneficiaries	Peth- Vadgaon People

Introduction:

Swachhata means cleanliness and Pakhwada means duration of 15 days, this means it is an initiative of 15 days of different activities for Swachha Bharat mission. The aim behind this celebration was to create awareness among all students about cleanliness. The first activity of Swachhata Pakhwada campaign was cleanness drive. It was especially designed for the youngest students of the school.

Aims and Objectives

- To create awareness about cleanliness of environment.
- To create awareness about health and hygiene.
- To create awareness about plastic wastes, its impacts and cleanliness in and around the campus.
- Swachhta Pakhwada serves in connecting people to the nature and enhancing those actions that make our country a better place.
- To ensure mass participation of citizens in Swachhta activities and to truly transform Swachh Bharat into a citizen's movement.

Programme Outcome

- Development of clean and hygienic environment.
- It has made students aware of cleanliness and social hygiene.

The cadets perform these activities as part of social responsibilities and community







Title of the programme	SWACHHATA PAKHWADA Cleanness Drive
Organized by	NCC
Date of the programme	27th September 2019
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 37 and SW 16 Total 53 Cadet
Number of Teacher participated	02
Place of extension / outreach activity	College Campus
Beneficiaries	Peth Vadgaon People

Introduction:

Swachh Bharat Mission (SBM), Swachh Bharat Abhiyan, or Clean India Mission is a country-wide campaign initiated by the Government of India in 2014 to eliminate open defecation and improve solid waste management. It is a restructured version of the Nirmal Bharat Abhiyan launched in 2009 that failed to achieve its intended targets.

Aims and Objectives

- To create awareness about cleanliness of environment.
- To create awareness about health and hygiene.
- To create awareness about plastic wastes, its impacts and cleanliness in and around the campus.
- Swachhta Pakhwada serves in connecting people to the nature and enhancing those actions that make our country a better place.
- To ensure mass participation of citizens in Swachhta activities and to truly transform Swachh Bharat into a citizen's movement.

Programme Outcome

- Development of clean and hygienic environment.
- It has made students aware of cleanliness and social hygiene.



The cadets perform these activities as part of social responsibilities and community.



Title of the programme	SWACHHATA PAKHWADA Swachata Awareness Rally
Organized by	NCC
Date of the programme	01 st October 2019
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 42 and SW 10 Total 51 Cadet
Number of Teacher participated	02
Place of extension / outreach activity	Sonarli Vasahat Tal-Hatkangale, Dist-Kolhapur
Beneficiaries	Peth -Vadgaon People

Introduction:

Swachh Bharat Mission (SBM), Swachh Bharat Abhiyan, or Clean India Mission is a country-wide campaign initiated by the Government of India in 2014 to eliminate open defecation and improve solid waste management. It is a restructured version of the Nirmal Bharat Abhiyan launched in 2009 that failed to achieve its intended targets. Initiated by the Government of India, the mission aimed to achieve an "open-defecation free" (ODF) India by 2 October 2019, the 150th anniversary of the birth of Mahatma Gandhi through construction of toilets.

Aims and Objectives

- To create awareness about cleanliness of environment.
- To create awareness about health and hygiene.
- To create awareness about plastic wastes, its impacts and cleanliness in and around the campus.
- Swachhta Pakhwada serves in connecting people to the nature and enhancing those actions that make our country a better place.
- To ensure mass participation of citizens in Swachhta activities and to truly transform Swachh Bharat into a citizen's movement.



Programme Outcome

- Development of clean and hygienic environment.
- It has made students aware of cleanliness and social hygiene.

The cadets perform these activities as part of social responsibilities and community.



2. ENVIRONMENTAL AUDIT

2.1 World environment day

The world environment day is celebrated every year on 5th June to raise global awareness to take positive environmental action to protect nature and the planet earth. It is a day that reminds everyone on the planet to get involved in environment friendly activities. From school children to community groups, companies and governments, all come together to pledge towards building a greener planet. Keeping this aim in view, Dr. Babasaheb Ambedkar College, PethVadgaon, Dist. Kolhapur were briefed about the importance of this day. They were asked to plant a sapling in small pots and bring them to college to create a green corner in the college corridor. A lot of enthusiasm was seen in the kids who brought pots with saplings of different varieties of herbs and shrubs. The event was conducted successfully with whole hearted participation and awareness for a greener World.

2.2 NO Vehicle Day



Our college located in Vadgaon dist kolhapur. In our college about 1000 student are studying in UG to PG section and about 35 teaching and non-teaching staff are present. Most of the students and staff coming from villages by common buses, two wheelers as well car. We are start our college campus pollution free and campus goes to green under the guidance of Prin. Dr. S. D. Disale. Our Principal call the meeting on the month of June 2020 on discussion on No Vehicle Day. During this meeting all students and teaching staff are accepted the rules and regulation of "No - Vehicle Day". During this meeting Principal talks on benefits of "No - Vehicle Day" on the environment, Social life, and Health and Socio economic importance of Nation. All these suggestions and benefits are accepted by students and staff of our college.

Principal released notice to all students, faculties and non teaching staff of college on 20/08/2020. During meeting finalized last Saturday of every month is "No Vehicle Day" of campus. All the students, faculties and non teaching staff of college are accepted for Future Safe, clean Environment and Sound Free Zone. In our College 5 staff coming by Electrical Vechical, 4 staff coming by Motor Cycle, 2 staff by Own car, 15 by Bicycle, 10 staff by Public Transport and remaining are by walk. Most of the students are coming by Public transport. "No Vehicle Day" was declared on last Saturday of every Month. Last Saturday of every month considered as a "No Vehicle Day".

Output of "No -Vehicle Day"

1. No Vehicle Day helps to avoid air pollution and sound pollution.
2. It also helps to save the excess burning of fossil fuels.
3. It also protects nature from high temperature and minimum release of polluting gases.
4. It also responsible for increase the income of public transport.
5. It saves the consumption petrol and diesel of Nation.
6. It protects environment from air pollution.
7. It maintains free sound pollution and clean College campus.
8. Each staff and student involved in protection of Earth from air pollution.



2.3 Plastic And Paper Free Campus



Initiative has been taken by college administrative to make the campus plastic and paper free. Most of the information is now shared to the faculty and students by email and social media applications rather than paper notice. Also, college has organized awareness program for students on above topic. It has been decided that 1 day in a month will be celebrate as bicycle day which will avoid the use of motor vehicles Below is the image of awareness program conducted in college.

2.4 Liquid Waste Management

- **Liquid waste management:**
- The waste chemicals mixed water from laboratory passes through concealed pipe line into soak pit & recycled water is used for the watering trees or non-potable usage.
- Liquids are diluted by getting mixed with the washroom and toilet liquid wastes in to the common drainage.
- **Water Conservation**

Water conservation is the practice of using water efficiently to reduce unnecessary water usage. According to Fresh Water Watch, water conservation is important because fresh clean water is a limited resource, as well as a costly one.





Rain Water Conservation



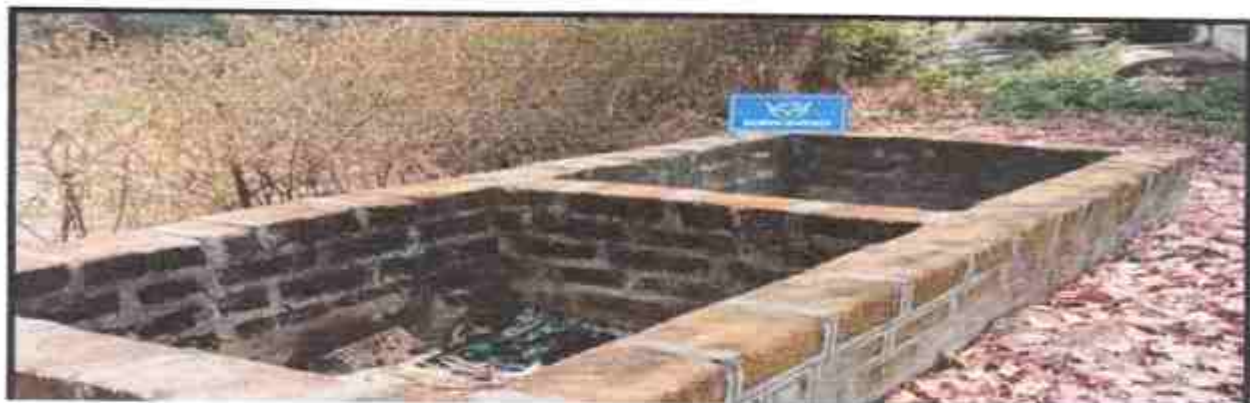
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- To reduce waste at institute, students and staff are educated on proper waste management practices through lectures, advertisement on notice boards, displaying slogan boards in the campus.
- Waste is collected on a daily basis from various sources and is separated as **dry and wet waste**.



- Color coded dustbins are used for different types of wastes. Green for wet and blue for solid waste.
- Daily garbage is collected by housekeeping personnel and handed over to authorized personnel of vadgaon municipal for further processing. All waste water lines from toilets; bathrooms etc. are connected with Municipal drainage mains. Waste material like plastic, papers etc. are collected and sold out to scrap vendor from time to time.
- Efforts have taken to produce compost manure from the canteen solid waste and waste from other sources and efficiently run by the students. Manure is used for the purpose of herbal garden as well or for planted tree.





2.6 E-waste management

The disposal of E-Waste is a rapidly growing problem because electronic equipment frequently contains hazardous substances which affect the environment and human health. E-waste such as, discarded computers, office electronic equipment, monitors, Hard Disks are disposed off as per their conditions. These wastes are sold to local scrap. Efforts are made to reduce e-waste by making optimum use of electronic devices.

Observations

The college conscientiously works towards generating minimal e-waste, for which the following strategies are adopted: Regular maintenance of electronic equipment and computers by the in house technician and AMC, ensures longer life. Weeded out computers from the computer science laboratories due to up gradation are transferred to departments, the administration within the college campus. Outdated Computers, servers, monitors, compact discs (CDs), DVD's, printers, scanners, copiers, motherboard, battery cells and other electronic equipment, weeded out from the computer laboratory are used for demonstration of internal parts of the equipment. Some electronic equipment are replaced with newer models due to the rapid technology advancements and production of newer electronic equipment.

Recommendations:

Electronic equipment may contain heavy metals and other materials. Computers and electronic equipment typically contain:

- **Lead** - Computer monitors contain a picture tube known as a cathode ray tube (CRT). CRT's contain leaded glass, and are the largest source of lead in municipal waste. Solder used in printed circuit boards may also contain lead.



- **Cadmium** - The largest source of cadmium in municipal waste is rechargeable nickel cadmium (NiCd) batteries. These batteries are found in most desktop and laptop computers.

- **Mercury** - Some electronic equipment also contains recoverable quantities of mercury, which is a toxic metal. Unwanted electronic equipment must therefore either be donated for reuse or sent for recycling.

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The World Ozone Day is celebrated on September 16th of every year to spread awareness about the Ozone depletion. The theme for this year celebration given by United Nation Environmental Programme is – “Ozone for life: 35 years of ozone layer protection”. The slogan of the day Ozone for life, reminds us that not only is Ozone crucial for life on Earth, but that we must continue to protect the ozone layer for future generation.

To spread the awareness and make the young minds understand about the importance of Ozone layer and the need to protect this fragile shield of gas, the students of Dr. Babasaheb Ambedkar Mahavidyalaya, Peth Vadgaon, Kolhapur, were involved in various activities virtually like Online Poster making, Quiz contest etc. The students were very enthusiastic and prepared beautiful posters /charts depicting drawings of the ozone layer depletion.

Through PowerPoint Presentation, Children were apprised that Ozone layer is a natural part of our atmosphere and shields Earth from most of the Sun's harmful ultraviolet radiations. UV rays can be very damaging for our planet- for plants, humans and animals all alike.

The students were also sensitised that as a result of Ozone depletion there will be increase in Earth temperature, melting of glaciers, cancerous disease and rise in the level of ocean and many more. Through the activities children were encouraged to adopt and follow simple ways to keep the Ozone layer safe such as:

- Buy energy saving gadgets and bulbs.
- Follow 4 R's policy-Reduce, Reuse, Refuse and Recycle at home and school.
- Use alternative means of transport : buses, bicycles or simply walk or carpools
- Avoid buying and using aerosols and spray having CFC.

Active and energetic participation of students was observed throughout the session. On the whole it was a creative and interesting session, which enlightened the students and made them realise the seriousness of the situation.



3.0 CONCLUSIONS AND GENERAL RECOMMENDATION OF THE AUDIT

- a) Consider planting trees and shrubs in strategic locations to help to reduce the temperature and airflow in Laboratory, classroom etc. Trees planted on the west and south sides of buildings help to keep the buildings shaded during hotter weather.
- b) Formation of Environment Policy and communicated to all faculties and other staff members.
- c) Reduction in use of paper work by go digital system.
- d) Water Meter should be installed at institute for monitoring of water consumption for landscape.
- e) Increase in Environmental promotional activities for spreading awareness at campus.
- f) As practically feasible avoid use of personal vehicles inside the campus.

Mr. R. S. Pukale

Energy Audit Coordinator

Department of Electrical Engineering

Dr. H. T. Jadhav
Director AMGOI, Vathar
Certified Energy Auditor (BEE)
Reg. No. - EA - 3023



2019-20

GREEN AND ENVIRONMENTAL AUDIT REPORT

Client Name	Dr. Babasaheb Ambedkar Mahavidhyalaya, Peth Vadgaon, Tal. Hatkanangle, Dist. Kolhapur Maharashtra 416112
Project Name	Dr. Babasaheb Ambedkar Mahavidhyalaya, Peth Vadgaon, Tal. Hatkanangle, Dist. Kolhapur Maharashtra 416112
Date	Year 2019-20
Submitted by	Ashokrao Mane Group of Institutions Vathar Tarf Vadgaon, Tal- Hatkanangale, Dist.-Kolhapur (Maharashtra state)



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This report (including any enclosures and attachments) has been prepared for the exclusive use and benefit of the client and solely for the purpose for which it is provided. Unless we provide prior written consent, no part of this report should be reproduced, distributed or communicated to any third party. We do not accept any liability if this report is used for an alternative purpose for which it is intended.

ACKNOWLEDGEMENT

We appreciate the interest and participation of Honorable Management and Principal and Faculty in carrying out the energy audit at **Dr. Babasaheb Ambedkar Mahavidhyalaya, Peth Vadgaon, Tal. Hatkanangle, Dist. Kolhapur.** Our special thanks to Technicians and Staff involved for college who have extended their co-operation and courtesy to the energy audit team during the audit.



Green And Environmental Audit

Team Member	<p>Dr. H.T. Jadhav Certified Energy Auditor Bureau of Energy Efficiency Director AMGOL, Vathar Tarf Vadgaon.</p> <p>Mr.R.S.Pukale Assistant Professor AMGOL, Vathar Tarf Vadgaon.</p>
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2	Environmental Audit	22
3	Conclusion and General Recommendations of the Audit	30



1. GREEN AUDIT

Green audit was initiated with the beginning of 1970s with the motive of inspecting the work conducted within the organizations whose exercises can cause risk to the health of inhabitants and the environment. It exposes the authenticity of the proclamations made by multinational companies, armies and national governments with the concern of health issues as the consequences of environmental pollution. It is the duty of organizations to carry out the Green Audits of their ongoing processes for various reasons such as; to make sure whether they are performing in accordance with relevant rules and regulations, to improve the procedures and ability of materials, to analysis the potential duties and to determine a way which can lower the cost and add to the revenue. 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 of carrying out Green Audit. Some of the incidents like Bhopal Gas Tragedy (Bhopal; 1984), Chernobyl Catastrophe (Ukraine; 1986) and Exxon-Valdez Oil Spill (Alaska; 1989) have cautioned the industries that setting corporate strategies for environmental security elements have no meaning until they are implemented.

Green Audit is assigned to the Criteria 7 of NAAC, National Assessment and Accreditation Council which is a self-governing organization of India that declares the institutions as Grade a, Grade B or Grade C according to the scores assigned at the time of accreditation.

The intention of organizing Green Audit is to upgrade the environment condition in and around the institutes, colleges, companies and other organizations. It is carried out with the aid of performing tasks like waste management, energy saving and others to turn into a better environmentally friendly institute.

1.1 GOALS OF GREEN AUDIT

- The objective of carrying out Green Audit is securing the environment and cut down the threats posed to human health.
- To make sure that rules and regulations are taken care of
- To avoid the interruptions in environment that are more difficult to handle and their correction requires high cost.
- To suggest the best protocols for adding to sustainable development.



1.2 BENEFITS OF GREEN AUDIT

Green Campus

The vision of the institute focuses on the green culture development and to aware community about eco-friendly environment. Since the beginning, trees have shaped us with essential components of life, viz., food and oxygen. As we evolved, they provided additional necessities such as shelter, medicine and tools. Today their value continues to increase and more benefits of trees are being discovered as their role expands to satisfy the needs created by our modern lifestyles. Peth Vadgaon is a small town. It is prosperous with nature. However, due to current urbanization Peth Vadgaon is changing. Therefore, plantation is very useful to sustain the health of the town. The college has taken the tree plantation project to develop awareness about environmental conservation in young generation. It is the great initiative to connect the young generation of the college with the environment.



ACTIVITY REPORT 2019-20

Title of the programme	Tree Plantation
Organized by	NCC
Date of the programme	16 th July 2019
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 35 and SW 09 Total 44 Cadet
Number of Teacher participated	06
Place of extension / outreach activity	College Campus
Beneficiaries	College Campus

Introduction:

Tree Plantation drives combat many environmental issues like deforestation, erosion of soil, desertification in semi-arid areas, global warming and hence enhancing the beauty and balance of the environment. Trees absorb harmful gases and emit oxygen resulting in an increase in oxygen supply. Plants planted 20, Subedar Supanekar Planted Trees.

Aims and Objectives

- Combat many environmental issues like deforestation, erosion of soil, global warming and hence enhancing the beauty and balance of the environment.
- To save endangered environment and to beautify our life.
- Awareness to reduce pollution.

Programme Outcome

- Many saplings of different species were planted. Students were encouraged to address the climate change by participating in the massive tree plantation drive.
- Students were encouraged for tree plantation.

The entire program created a strong feeling among the students.





Title of the programme	MEGA POLLUTION AWARENESS PAKHWADA (01st JUL 2019 TO 11th JUL 2019) Plastic Pollution Awareness Rally
Organized by	NCC
Date of the programme	07 th July 2019
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/Targeted Group	SD 19 and SW 08 Total 27 Cadet
Number of Teacher participated	03
Place of extension / outreach activity	Sonarli Vasahat, Peth Vadgaon
Beneficiaries	People Sonarli Vasahat, Peth Vadgaon

Introduction:

Plastic pollution is today one of the most serious environmental problems affecting the oceans. Once in the natural environment, plastic can take up to 500 years to disappear and impacts wildlife on a daily basis. Drifting between two bodies of water it can strangle or smother any number of animal species. A rally was conducted under the leadership of the TROP members of the college where the students showed their support to the State Government's decision of banning single-use plastic. An eco-critical sense was instilled among the on-lookers that made us spread the green message of stopping plastic usage easily.

Aims and Objectives

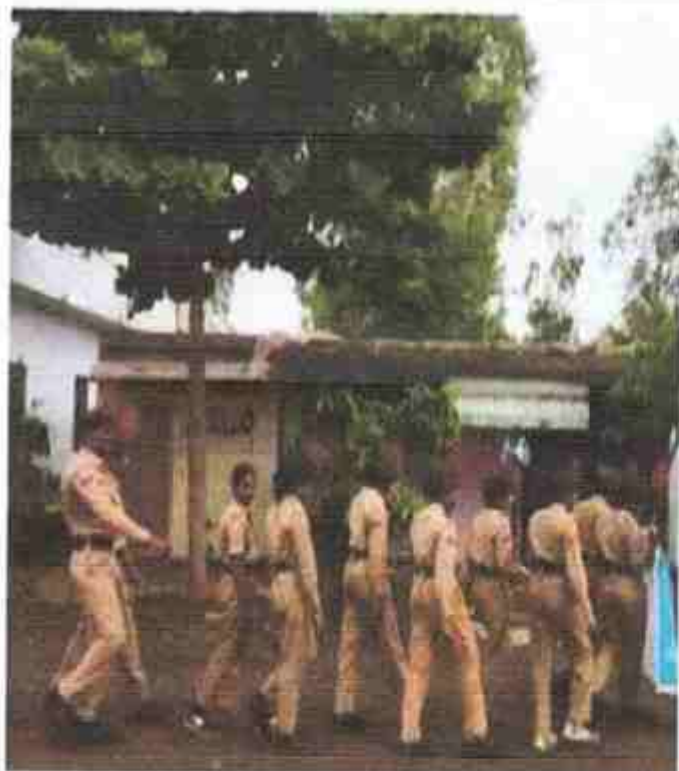
- To sensitize people against various kind of pollution.
- To create awareness about pollution impact on health.
- To organized various activities like lectures, rallies, nuked, quiz, pledge etc.

Programme Outcome

- Cadet aware about various types of pollution
- People also know about various types of pollution

The cadets perform these activities as part of social responsibilities and community





Title of the programme	MEGA POLLUTION AWARENESS PAKHWADA (01st JUL 2019 TO 11th JUL 2019) Plastic free Campus
Organized by	NCC
Date of the programme	08 th July 2019
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/Targeted Group	SD 18 and SW 08 Total 26 Cadet
Number of Teacher participated	03
Place of extension / outreach activity	College Campus
Beneficiaries	College Campus

Introduction:

Global Campaign empowering students to take action on plastic pollution. These materials serve as a base to customise and advertise awareness activities to the school or adapt them to specific needs. There are three main reasons to change out of plastics:

- Human Health
- The Environment
- Social Justice

It is important to show the cause and effect of plastics on human health, social justice and the environment. Posters can be created showing local examples and products.

Aims and Objectives

- To sensitize people against various kind of pollution.
- To create awareness about pollution's impact on health.
- To organize various activities like lectures, rallies, nukkad, quiz, pledge etc.

Programme Outcome

- Cadet aware about various types of pollution
- People also know about various types of pollution

The cadets perform these activities as part of social responsibilities and community.





Title of the programme	MEGA POLLUTION AWARENESS PAKHWADA (01 st JUL 2019 TO 11 th JUL 2019) Special lecture on 'Plastic Pollution'
Organized by	NCC
Date of the programme	04 th July 2019
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 19 and SW 07 Total 26 Cadet
Number of Teacher participated	03
Place of extension / outreach activity	College Campus
Beneficiaries	Cadets

Introduction:

Plastic pollution is the accumulation of plastic objects and particles (e.g. plastic bottles, bags and micro beads) in the Earth's environment that adversely affects humans, wildlife and their habitat. Plastics that act as pollutants are categorized by size into micro, meso or macro debris. Plastics are inexpensive and durable, making them very adaptable for different uses; as a result, manufacturers choose to use plastic over other materials. However, the chemical structure of most plastics renders them resistant to many natural processes of degradation and as a result they are slow to degrade. Together, these two factors allow large volumes of plastic to enter the environment as mismanaged waste and for it to persist in the ecosystem. Plastic pollution can afflict land, waterways and oceans.

Aims and Objectives

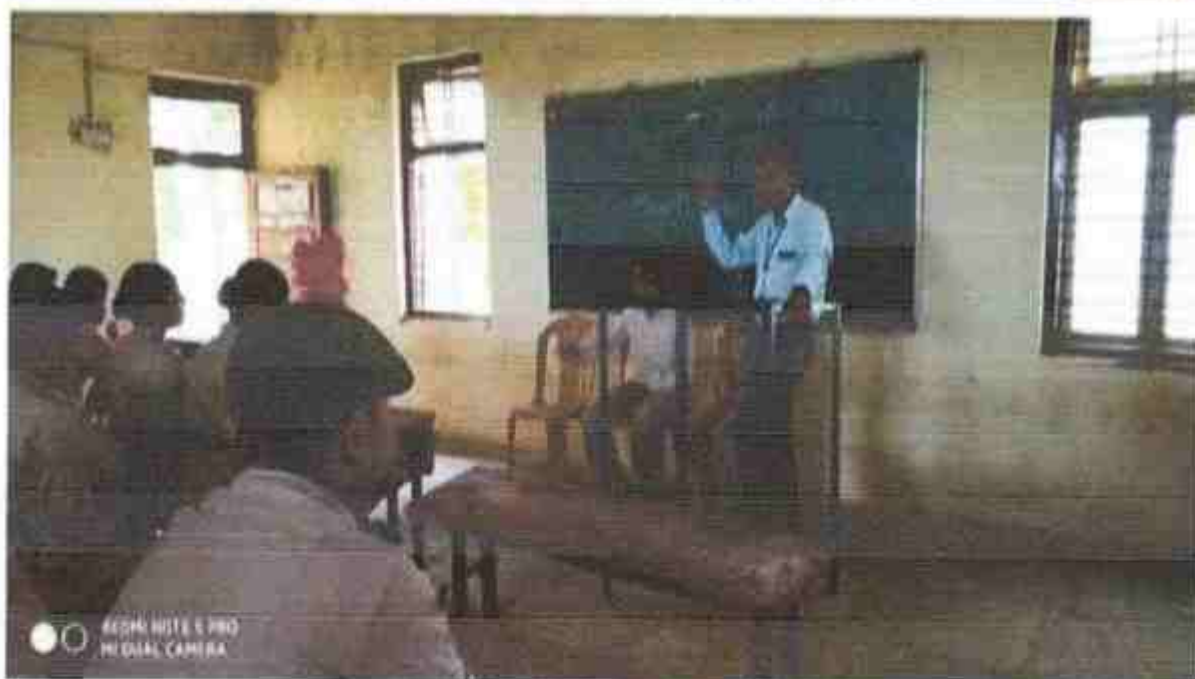
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Title of the programme	SWACHHATA PAKHWADA Cleanness Drive
Organized by	NCC
Date of the programme	19 th September 2019
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 40 and SW 10 Total 50 Cadet
Number of Teacher participated	02
Place of extension / outreach activity	Peth -Vadgaon Bus Stand Campus
Beneficiaries	Peth- Vadgaon People

Introduction:

Swachhata means cleanliness and Pakhwada means duration of 15 days, this means it is an initiative of 15 days of different activities for Swachha Bharat mission. The aim behind this celebration was to create awareness among all students about cleanliness. The first activity of Swachhata Pakhwada campaign was cleanness drive. It was especially designed for the youngest students of the school.

Aims and Objectives

- To create awareness about cleanliness of environment.
- To create awareness about health and hygiene.
- To create awareness about plastic wastes, its impacts and cleanliness in and around the campus.
- Swachhta Pakhwada serves in connecting people to the nature and enhancing those actions that make our country a better place.
- To ensure mass participation of citizens in Swachhta activities and to truly transform Swachh Bharat into a citizen's movement.

Programme Outcome

- Development of clean and hygienic environment.
- It has made students aware of cleanliness and social hygiene.

The cadets perform these activities as part of social responsibilities and community







Pranav
 Lt. Dr. Ranjit Mane
 Associate NCC Officer
 Mah. Bn. NCC, Kolhapur
 Babasaheb Ambedkar College, Peth Vadgaon



Amir

Principal,
 Dr. Babasaheb Ambedkar Mahavidyalaya
 Peth Vadgaon, Dist. Kolhapur, Maharashtra



Title of the programme	SWACHHATA PAKHWADA Cleanness Drive
Organized by	NCC
Date of the programme	27 th September 2019
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 37 and SW 16 Total 53 Cadet
Number of Teacher participated	02
Place of extension / outreach activity	College Campus
Beneficiaries	Peth Vadgaon People

Introduction:

Swachh Bharat Mission (SBM), Swachh Bharat Abhiyan, or Clean India Mission is a country-wide campaign initiated by the Government of India in 2014 to eliminate open defecation and improve solid waste management. It is a restructured version of the Nirmal Bharat Abhiyan launched in 2009 that failed to achieve its intended targets.

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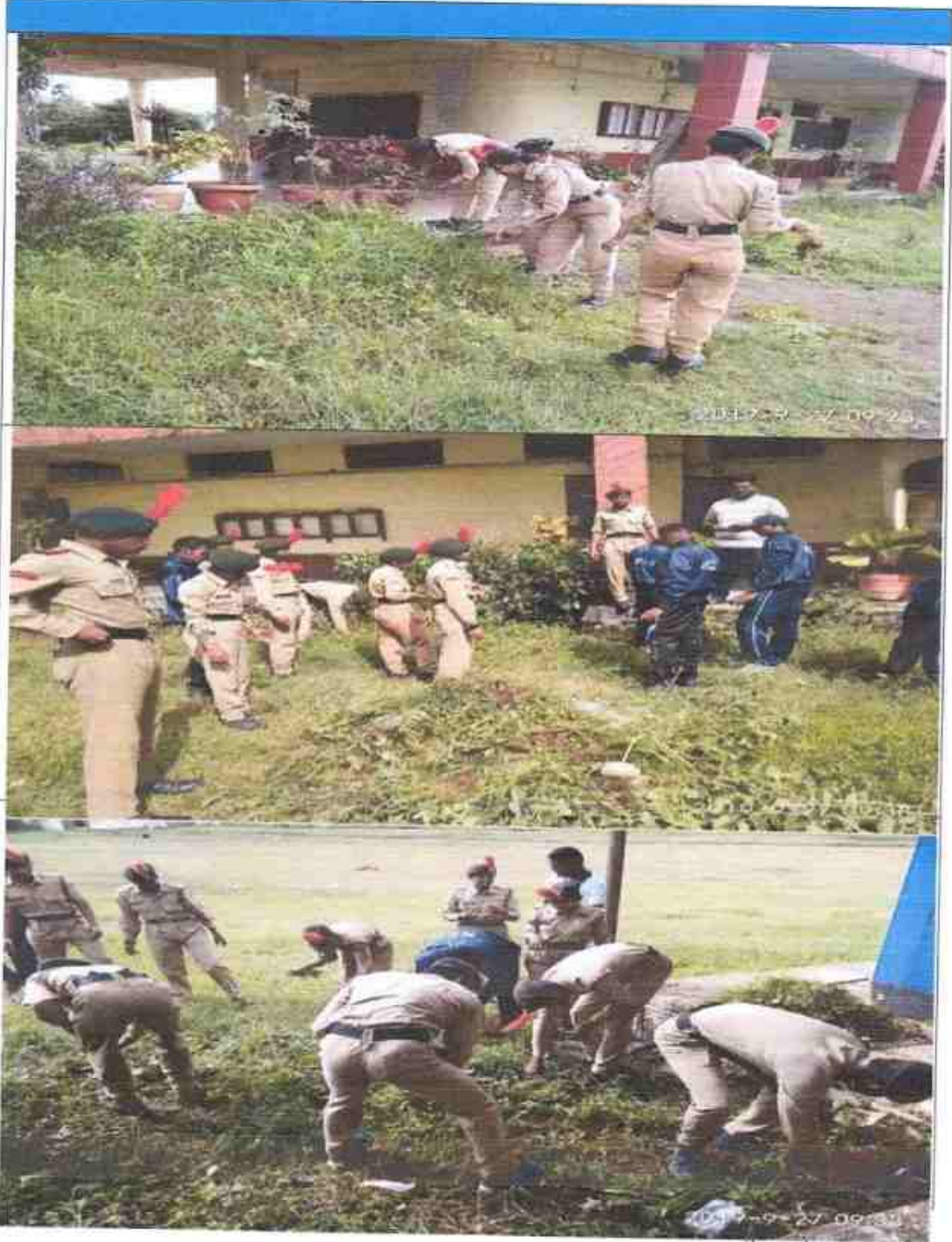
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Title of the programme	SWACHHATA PAKHWADA Swachata Awareness Rally
Organized by	NCC
Date of the programme	01 st October 2019
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 42 and SW 10 Total 51 Cadet
Number of Teacher participated	02
Place of extension / outreach activity	Sonarli Vasahat Tal-Hatkangale, Dist-Kolhapur
Beneficiaries	Peth -Vadgaon People

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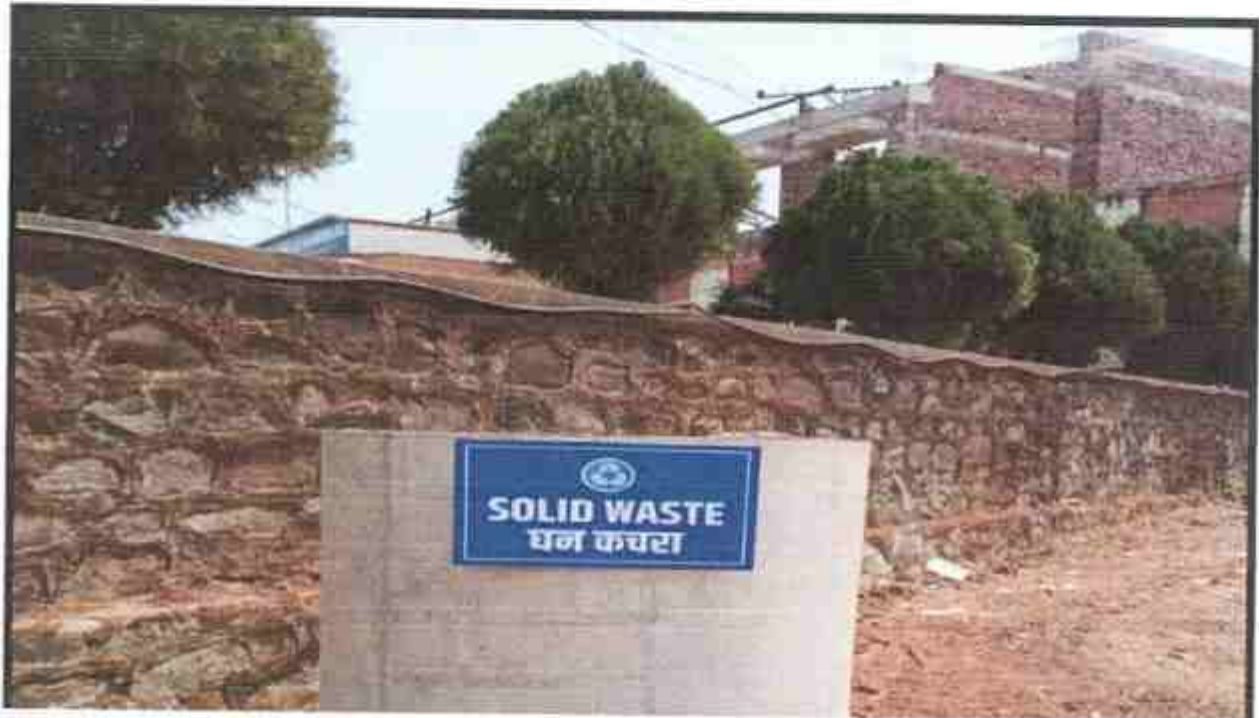


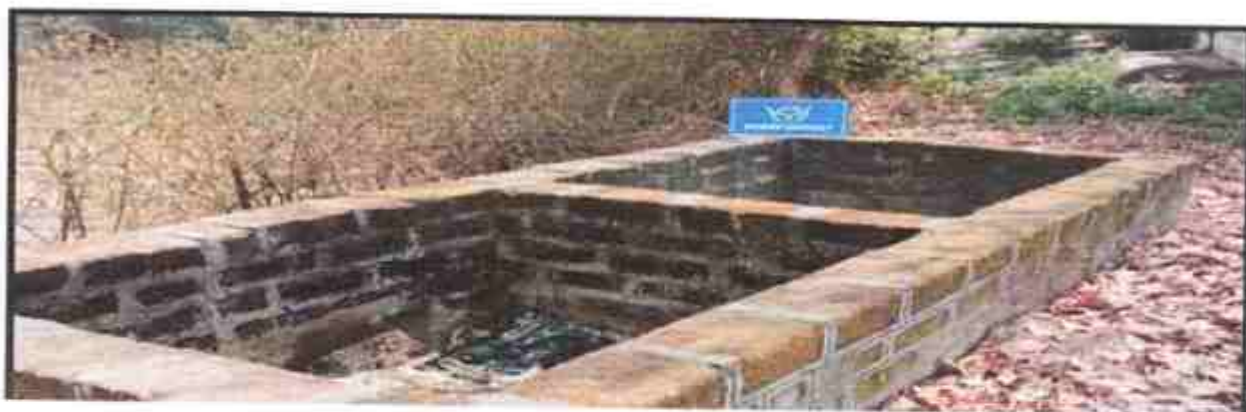
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The students were also sensitised that as a result of Ozone depletion there will be increase in Earth temperature, melting of glaciers, cancerous disease and rise in the level of ocean and many more. Through the activities children were encouraged to adopt and follow simple ways to keep the Ozone layer safe such as:

- Buy energy saving gadgets and bulbs.
- Follow 4 R's policy-Reduce, Reuse, Refuse and Recycle at home and school.
- Use alternative means of transport : buses, bicycles or simply walk or carpools
- Avoid buying and using aerosols and spray having CFC.

Active and energetic participation of students was observed throughout the session. On the whole it was a creative and interesting session, which enlightened the students and made them realise the seriousness of the situation.



3.0 CONCLUSIONS AND GENERAL RECOMMENDATION OF THE AUDIT

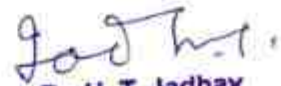
- a) Consider planting trees and shrubs in strategic locations to help to reduce the temperature and airflow in Laboratory, classroom etc. Trees planted on the west and south sides of buildings help to keep the buildings shaded during hotter weather.
- b) Formation of Environment Policy and communicated to all faculties and other staff members.
- c) Reduction in use of paper work by go digital system.
- d) Water Meter should be installed at institute for monitoring of water consumption for landscape.
- e) Increase in Environmental promotional activities for spreading awareness at campus.
- f) As practically feasible avoid use of personal vehicles inside the campus.



Mr.R.S.Pukale

Energy Audit Coordinator

Department of Electrical Engineering



Dr. H. T. Jadhav
Director AMGOI, Vathar
Certified Energy Auditor (BEE)
Reg. No. - EA - 3023



2018-19

GREEN AND ENVIRONMENTAL AUDIT REPORT

Client Name	Dr. Babasaheb Ambedkar Mahavidhyalaya, Peth Vadgaon, Tal. Hatkanangle, Dist. Kolhapur Maharashtra 416112
Project Name	Dr. Babasaheb Ambedkar Mahavidhyalaya, Peth Vadgaon, Tal. Hatkanangle, Dist. Kolhapur Maharashtra 416112
Date	Year 2018-19
Submitted by	Ashokrao Mane Group of Institutions Vathar Tarf Vadgaon, Tal- Hatkanangale, Dist.-Kolhapur (Maharashtra state)



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ACKNOWLEDGEMENT

We appreciate the interest and participation of Honorable Management and Principal and Faculty in carrying out the energy audit at **Dr. Babasaheb Ambedkar Mahavidhyalaya, Peth Vadgaon, Tal. Hatkanangle, Dist. Kolhapur**. Our special thanks to Technicians and Staff involved for college who have extended their co-operation and courtesy to the energy audit team during the audit.



Green And Environmental Audit

Team Member	<p>Dr. H.T. Jadhav Certified Energy Auditor Bureau of Energy Efficiency Director AMGOI, Vathar Tarf Vadgaon.</p> <p>Mr.R.S.Pukale Assistant Professor AMGOI, Vathar Tarf Vadgaon.</p>
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1. GREEN AUDIT

Green audit was initiated with the beginning of 1970s with the motive of inspecting the work conducted within the organizations whose exercises can cause risk to the health of inhabitants and the environment. It exposes the authenticity of the proclamations made by multinational companies, armies and national governments with the concern of health issues as the consequences of environmental pollution. It is the duty of organizations to carry out the Green Audits of their ongoing processes for various reasons such as; to make sure whether they are performing in accordance with relevant rules and regulations, to improve the procedures and ability of materials, to analysis the potential duties and to determine a way which can lower the cost and add to the revenue. 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 of carrying out Green Audit. Some of the incidents like Bhopal Gas Tragedy (Bhopal; 1984), Chernobyl Catastrophe (Ukraine; 1986) and Exxon-Valdez Oil Spill (Alaska; 1989) have cautioned the industries that setting corporate strategies for environmental security elements have no meaning until they are implemented.

Green Audit is assigned to the Criteria 7 of NAAC, National Assessment and Accreditation Council which is a self-governing organization of India that declares the institutions as Grade a, Grade B or Grade C according to the scores assigned at the time of accreditation.

The intention of organizing Green Audit is to upgrade the environment condition in and around the institutes, colleges, companies and other organizations. It is carried out with the aid of performing tasks like waste management, energy saving and others to turn into a better environmentally friendly institute.

1.1 GOALS OF GREEN AUDIT

- The objective of carrying out Green Audit is securing the environment and cut down the threats posed to human health.



- To make sure that rules and regulations are taken care of
- To avoid the interruptions in environment that are more difficult to handle and their correction requires high cost.
- To suggest the best protocols for adding to sustainable development.

1.2 BENEFITS OF GREEN AUDIT

Green Campus

The vision of the institute focuses on the green culture development and to aware community about eco-friendly environment. Since the beginning, trees have shaped us with essential components of life, viz., food and oxygen. As we evolved, they provided additional necessities such as shelter, medicine and tools. Today their value continues to increase and more benefits of trees are being discovered as their role expands to satisfy the needs created by our modern lifestyles. Peth Vadgaon is a small town. It is prosperous with nature. However, due to current urbanization Peth Vadgaon is changing. Therefore, plantation is very useful to sustain the health of the town. The college has taken the tree plantation project to develop awareness about environmental conservation in young generation. It is the great initiative to connect the young generation of the college with the environment.

Activity Report 2018-19

Title of the programme	Tree Plantation
Organized by	NCC
Date of the programme	5 th July 2018
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 25 and SW 10 Total 35 Cadet
Number of Teacher participated	20
Place of extension / outreach activity	College
Beneficiaries	College Students and Staff



Brief Report

Introduction:

Tree plantation means planting more trees in a planned way. It is significant in the current age of climate change and global warming . We cannot think of our existence without trees. Trees exert much influence on the climate condition of a country, they are responsible for maintaining the ecological balance throughout the world. An average tree produces enough oxygen to fulfill the oxygen needs of four people. Trees remove pollutants and fine grained particles from the air, reduce noise pollution and act as a buffer to keep residential areas quiet and serene.

Speech about Importance of Tree Plantation given by Honorable Nanasaheb Mane, Chairman Jayprakash Education Society.

Aims and Objectives

- Combat many environmental issues like deforestation, erosion of soil, global warming and hence enhancing the beauty and balance of the environment.
- To save endangered environment and to beautify our life.
- Awareness to reduce pollution.

Programme Outcome

- Many saplings of different species were planted. Students were encouraged to address the climate change by participating in the massive tree plantation drive.
- Students were encouraged for tree plantation.

The entire program created a strong feeling among the students.





Fig: Tree Plantation in college campus





Fig: Tree Plantation in college campus



2. ENVIRONMENTAL AUDIT

2.1 World environment day

The world environment day is celebrated every year on 5th June to raise global awareness to take positive environmental action to protect nature and the planet earth. It is a day that reminds everyone on the planet to get involved in environment friendly activities. From school children to community groups, companies and governments, all come together to pledge towards building a greener planet. Keeping this aim in view, Dr. Babasaheb Ambedkar College, PethVadgaon, Dist. Kolhapur were briefed about the importance of this day. They were asked to plant a sapling in small pots and bring them to college to create a green corner in the college corridor. A lot of enthusiasm was seen in the kids who brought pots with saplings of different varieties of herbs and shrubs. The event was conducted successfully with whole hearted participation and awareness for a greener World

Title of the programme	SWACH BHARAT RALLY
Organized by	NCC
Date of the programme	18 August 2018 Saturday
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	NCC Cadet
Number of Teacher participated	02
Place of extension / outreach activity	Peth- Vadgaon
Beneficiaries	Peth- Vadgaon

Introduction:

To eliminate or reduce open defecation. Open defecation is one of the main causes of deaths of thousands of children each year. Not only latrine construction, the Swachh Bharat Mission will also make an initiative of establishing an accountable mechanism of monitoring latrine use. The objective of the Rally is to promote Prime Minister's noble mission of "Swachh Bharat Abhiyan". The Rally aims at spreading awareness amongst locals to maintain cleanliness. Speech about Importance of Swach



Bharat given I/C, Principal Dr. R.M.Mirajkar Rally Started from Srasenapati Dhanaji Jadhavs Statue – Chh.Shivaji Maharaj Statue –Main Market Lane – Bus Stand -Vijayshiha Yadav Statue and end at Sarsenapati Dhanaji Jadhavs Statue.

Aims and Objectives

- To create awareness about cleanliness of environment.
- To create awareness about health and hygiene.
- To create awareness about plastic wastes, its impacts and cleanliness in and around the campus.

Programme Outcome

- Development of clean and hygienic environment.
- It has made students aware of cleanliness and social hygiene.

The cadets perform these activities as part of social responsibilities and community.





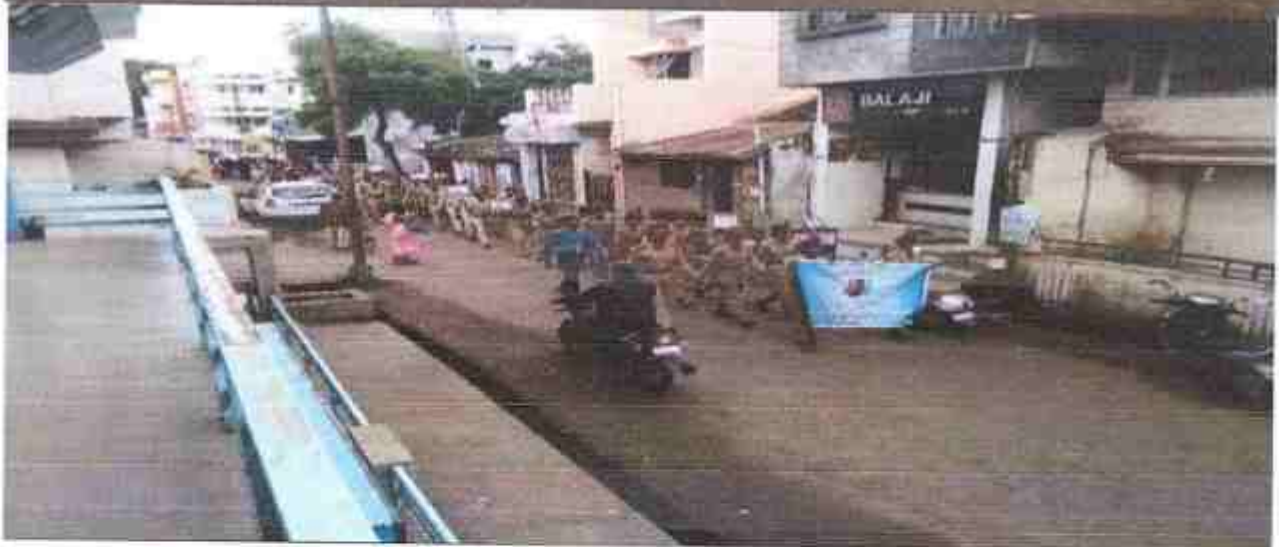


Fig: Photos of Swachh Bharat rally



Title of the programme	SWACH BHARAT RALLY
Organized by	NCC
Date of the programme	3rd October 2018
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 41 and SW 14 Total 55 Cadet
Number of Teacher participated	02
Place of extension / outreach activity	Sonarli Vasahat City, Tal-Hatkangale, Dist-Kolhapur
Beneficiaries	College Students and Staff

Introduction:

To eliminate or reduce open defecation. Open defecation is one of the main causes of deaths of thousands of children each year. Not only latrine construction, the Swachh Bharat Mission will also make an initiative of establishing an accountable mechanism of monitoring latrine use. The objective of the Rally is to promote Prime Minister's noble mission of "Swachh Bharat Abhiyan". The Rally aims at spreading awareness among students and locals to maintain cleanliness. Activities: All 55 cadets SW/SD were presented at college sharp at 8:00 am. Speech about Importance of Swachh Bharat given by I/C, Principal Dr. R.M. Mirajkar Rally Started from Collage

– Vadgaon Court Main Road – Sonarli Vasahat Boudha Vihar ---Primary School and end at Maruti Temple.

Aims and Objectives

- To create awareness about cleanliness of environment.
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Programme Outcome

- Development of clean and hygienic environment.
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The cadets perform these activities as part of social responsibilities and community



Title of the programme	SWACH BHARAT- Cleanness Drive
Organized by	NCC
Date of the programme	8th October 2018
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 37 and SW 16 Total 53 Cadet
Number of Teacher participated	02
Place of extension / outreach activity	Mahalakshmi Temple, Peth Vadgaon City, Tal-Hatkangale, Dist-Kolhapur
Beneficiaries	College Students and Staff

Introduction:

Swachh Bharat Mission (SBM), Swachh Bharat Abhiyan, or Clean India Mission is a country-wide campaign initiated by the Government of India in 2014 to eliminate open defecation and improve solid waste management. It is a restructured version of the Nirmal Bharat Abhiyan launched in 2009 that failed to achieve its intended targets. All 53 cadets sw/sd were presented at college sharp at 9:00 am., Speech about Importance of Swach Bharat given Chief officer of Vadgaon Municipality Mr. Atul Patil, This activity organized jointly with municipal council, Also participated our teaching and non-teaching staff.

Aims and Objectives

- To create awareness about cleanliness of environment.
- To create awareness about health and hygiene among the students.

Programme Outcome

- Development of clean and hygienic environment.
- It has made students aware of cleanliness and social hygiene.

The cadets perform these activities as part of social responsibilities and community







2.2 NO Vehicle Day

Our college located in Vadgaon dist kolhapur. In our college about 1000 student are studying in UG to PG section and about 35 teaching and non-teaching staff are present. Most of the students and staff coming from villages by common buses, two wheeler s as well car. We are start our college campus pollution free and campus goes to green under the guidance of Prin. Dr. S. D. Disale. Our Principal call the meeting on the month of June 2022 on discussion on No Vehicle Day. During this meeting all students and teaching staff are accepted the rules and regulation of "No - Vehicle Day". During this meeting Principal talks on benefits of "No - Vehicle Day" on the environment, Social life, and Health and Socio economic importance of Nation. All these suggestions and benefits are accepted by students and staff of our college.

Principal released notice to all students, faculties and non teaching staff of college on 25/11/2022. During meeting finalized last Saturday of every month is "No Vehicle Day" of campus. All the students, faculties and non teaching staff of college are accepted for Future Safe, clean Environment and Sound Free Zone. In our College 5 staff coming by Electrical



Vechical, 4 staff coming by Motor Cycle, 2 staff by Own car, 15 by Bycycle, 10 staff by Public Transport and remaining are by walk. Most of the students are coming by Public transport. "No Vehicle Day" was declared on last Saturday of every Month. Last Saturday of every month considered as a "No Vehicle Day".

Output of "No -Vehicle Day"

1. No Vehicle Day helps to avoid air pollution and sound pollution.
2. It also helps to save the excess burning of fossil fuels.
3. It also protects nature from high temperature and minimum release of polluting gases.
4. It also responsible for increase the income of public transport.
5. It saves the consumption petrol and diesel of Nation.
6. It protects environment from air pollution.
7. It maintains free sound pollution and clean College campus.
8. Each staff and student involved in protection of Earth from air pollution.

2.3 Plastic And Paper Free Campus



Initiative has been taken by college administrative to make the campus plastic and paper free. Most of the information is now shared to the faculty and students by email and social media applications rather than paper notice. Also, college has organized awareness program for students on above topic. It has been decided that 1 day in a month will be celebrate as bicycle day which will avoid the use of motor vehicles Below is the image of awareness program conducted in college.



2.4 Liquid Waste Management

- **Liquid waste management:**
- The waste chemicals mixed water from laboratory passes through concealed pipe line into soak pit & recycled water is used for the watering trees or non-potable usage.
- Liquids are diluted by getting mixed with the washroom and toilet liquid wastes in to the common drainage.
- **Water Conservation**

Water conservation is the practice of using water efficiently to reduce unnecessary water usage. According to Fresh Water Watch, water conservation is important because fresh clean water is a limited resource, as well as a costly one.

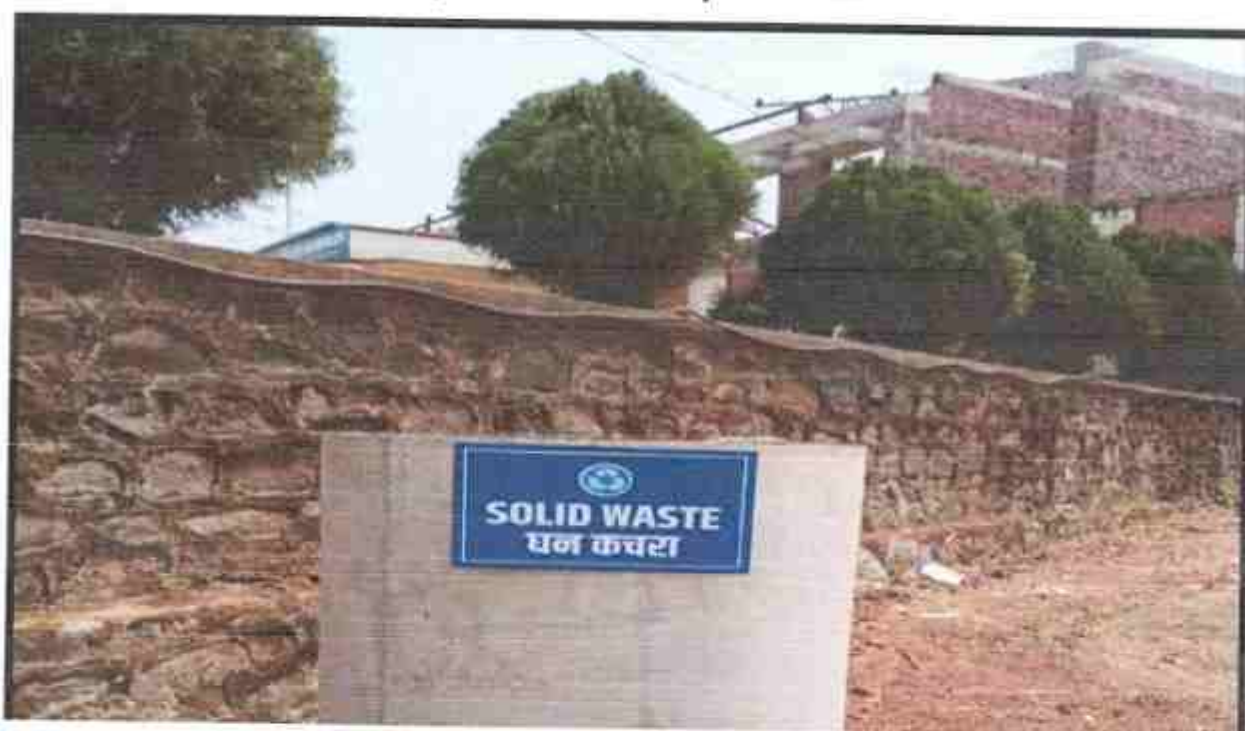


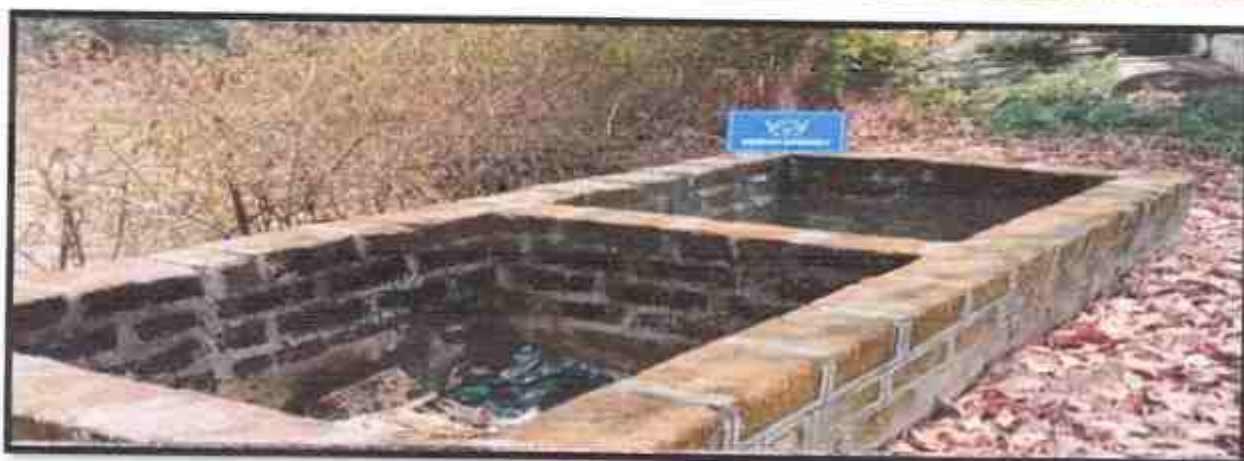
Rain Water Conservation



2.5 Solid waste management

- To reduce waste at institute, students and staff are educated on proper waste management practices through lectures, advertisement on notice boards, displaying slogan boards in the campus.
- Waste is collected on a daily basis from various sources and is separated as **dry** and **wet waste**.
- Color coded dustbins are used for different types of wastes. Green for wet and blue for solid waste.
- Daily garbage is collected by housekeeping personnel and handed over to authorized personnel of vadgaon municipal for further processing. All waste water lines from toilets; bathrooms etc. are connected with Municipal drainage mains. Waste material like plastic, papers etc. are collected and sold out to scrap vendor from time to time.
- Efforts have taken to produce compost manure from the canteen solid waste and waste from other sources and efficiently run by the students. Manure is used for the purpose of herbal garden as well or for planted tree.





2.6 E-waste management

The disposal of E-Waste is a rapidly growing problem because electronic equipment frequently contains hazardous substances which affect the environment and human health. E-waste such as, discarded computers, office electronic equipment, monitors, Hard Disks are disposed off as per their conditions. These wastes are sold to local scrap. Efforts are made to reduce e-waste by making optimum use of electronic devices.

Observations

The college conscientiously works towards generating minimal e-waste, for which the following strategies are adopted: Regular maintenance of electronic equipment and computers by the in house technician and AMC, ensures longer life. Weeded out computers from the computer science laboratories due to up gradation are transferred to departments, the administration within the college campus. Outdated Computers, servers, monitors, compact discs (CDs), DVD's, printers, scanners, copiers, motherboard, battery cells and other electronic equipment, weeded out from the computer laboratory are used for demonstration of internal parts of the equipment. Some electronic equipment are



replaced with newer models due to the rapid technology advancements and production of newer electronic equipment.

Recommendations:

Electronic equipment may contain heavy metals and other materials. Computers and electronic equipment typically contain:

- **Lead** - Computer monitors contain a picture tube known as a cathode ray tube (CRT). CRT's contain leaded glass, and are the largest source of lead in municipal waste. Solder used in printed circuit boards may also contain lead.

- **Cadmium** - The largest source of cadmium in municipal waste is rechargeable nickel cadmium (NiCd) batteries. These batteries are found in most desktop and laptop computers.

- **Mercury** - Some electronic equipment also contains recoverable quantities of mercury,

which is a toxic metal. Unwanted electronic equipment must therefore either be donated for reuse or sent for recycling.

2.7 World Ozone Day

The World Ozone Day is celebrated on September 16th of every year to spread awareness about the Ozone depletion. The theme for this year celebration given by United Nation Environmental Programme is – “Ozone for life: 35 years of ozone layer protection”. The slogan of the day Ozone for life, reminds us that not only is Ozone crucial for life on Earth, but that we must continue to protect the ozone layer for future generation.

To spread the awareness and make the young minds understand about the importance of Ozone layer and the need to protect this fragile shield of gas, the students of Dr. Babasaheb Ambedkar Mahavidyalaya, Peth Vadgaon, Kolhapur, were involved in various activities virtually like Online Poster making, Quiz contest etc. The students were very enthusiastic and prepared beautiful posters/charts depicting drawings of the ozone layer depletion.

Through PowerPoint Presentation, Children were apprised that Ozone layer is a natural part of our atmosphere and shields Earth from most of the Sun's harmful ultraviolet radiations. UV rays can be very damaging for our planet- for plants, humans and animals all alike.



The students were also sensitized that as a result of Ozone depletion there will be increase in Earth temperature, melting of glaciers ,cancerous disease and rise in the level of ocean and many more. Through the activities children were encouraged to adopt and follow simple ways to keep the Ozone layer safe such as:

- Buy energy saving gadgets and bulbs.
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Active and energetic participation of students was observed throughout the session .On the whole it was a creative and interesting session, which enlightened the students and made them realise the seriousness of the situation.



3.0 CONCLUSIONS AND GENERAL RECOMMENDATION OF THE AUDIT

- a) Consider planting trees and shrubs in strategic locations to help to reduce the temperature and airflow in Laboratory, classroom etc. Trees planted on the west and south sides of buildings help to keep the buildings shaded during hotter weather.
- b) Formation of Environment Policy and communicated to all faculties and other staff members.
- c) Reduction in use of paper work by go digital system.
- d) Water Meter should be installed at institute for monitoring of water consumption for landscape.
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Mr.R.S.Pukale

Energy Audit Coordinator

Department of Electrical Engineering



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Reg. No. - EA - 3023



2017-18

GREEN AND ENVIRONMENTAL AUDIT REPORT

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Project Name	Dr. Babasaheb Ambedkar Mahavidhyalaya, Peth Vadgaon, Tal. Hatkanangle, Dist. Kolhapur Maharashtra 416112
Date	Year 20 23 - 23 2017-18
Submitted by	Ashokrao Mane Group of Institutions Vathar Tarf Vadgaon, Tal- Hatkanangale, Dist.-Kolhapur (Maharashtra state)



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Team Member	<p>Dr. H.T. Jadhav Certified Energy Auditor Bureau of Energy Efficiency Director AMGOI, Vathar Tarf Vadgaon.</p> <p>Mr.R.S.Pukale Assistant Professor AMGOI, Vathar Tarf Vadgaon.</p>
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The vision of the institute focuses on the green culture development and to aware community about eco-friendly environment. Since the beginning, trees have shaped us with essential components of life, viz., food and oxygen. As we evolved, they provided additional necessities such as shelter, medicine and tools. Today their value continues to increase and more benefits of trees are being discovered as their role expands to satisfy the needs created by our modern lifestyles. Peth Vadgaon is a small town. It is prosperous with nature. However, due to current urbanization Peth Vadgaon is changing. Therefore, plantation is very useful to sustain the health of the town. The college has taken the tree plantation project to develop awareness about environmental conservation in young generation. It is the great initiative to connect the young generation of the college with the environment.

Activity Report 2018-19

Title of the programme	Tree Plantation
Organized by	NCC
Date of the programme	5 th July 2017
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 25 and SW 10 Total 35 Cadet
Number of Teacher participated	20
Place of extension / outreach activity	College
Beneficiaries	College Students and Staff



Brief Report

Introduction:

Tree plantation means planting more trees in a planned way. It is significant in the current age of climate change and global warming . We cannot think of our existence without trees. Trees exert much influence on the climate condition of a country, they are responsible for maintaining the ecological balance throughout the world. An average tree produces enough oxygen to fulfill the oxygen needs of four people. Trees remove pollutants and fine grained particles from the air, reduce noise pollution and act as a buffer to keep residential areas quiet and serene.

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Aims and Objectives

- Combat many environmental issues like deforestation, erosion of soil, global warming and hence enhancing the beauty and balance of the environment.
- To save endangered environment and to beautify our life.
- Awareness to reduce pollution.

Programme Outcome

- Many saplings of different species were planted. Students were encouraged to address the climate change by participating in the massive tree plantation drive.
- Students were encouraged for tree plantation.

The entire program created a strong feeling among the students.





Fig: Tree Plantation in college campus





Fig: Tree Plantation in college campus



2. ENVIRONMENTAL AUDIT

2.1 World environment day

The world environment day is celebrated every year on 5th June to raise global awareness to take positive environmental action to protect nature and the planet earth. It is a day that reminds everyone on the planet to get involved in environment friendly activities. From school children to community groups, companies and governments, all come together to pledge towards building a greener planet. Keeping this aim in view, Dr. Babasaheb Ambedkar College, PethVadgaon, Dist. Kolhapur were briefed about the importance of this day. They were asked to plant a sapling in small pots and bring them to college to create a green corner in the college corridor. A lot of enthusiasm was seen in the kids who brought pots with saplings of different varieties of herbs and shrubs. The event was conducted successfully with whole hearted participation and awareness for a greener World

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Organized by	NCC
Date of the programme	18 August 2018 Saturday
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	NCC Cadet
Number of Teacher participated	02
Place of extension / outreach activity	Peth- Vadgaon
Beneficiaries	Peth- Vadgaon

Introduction:

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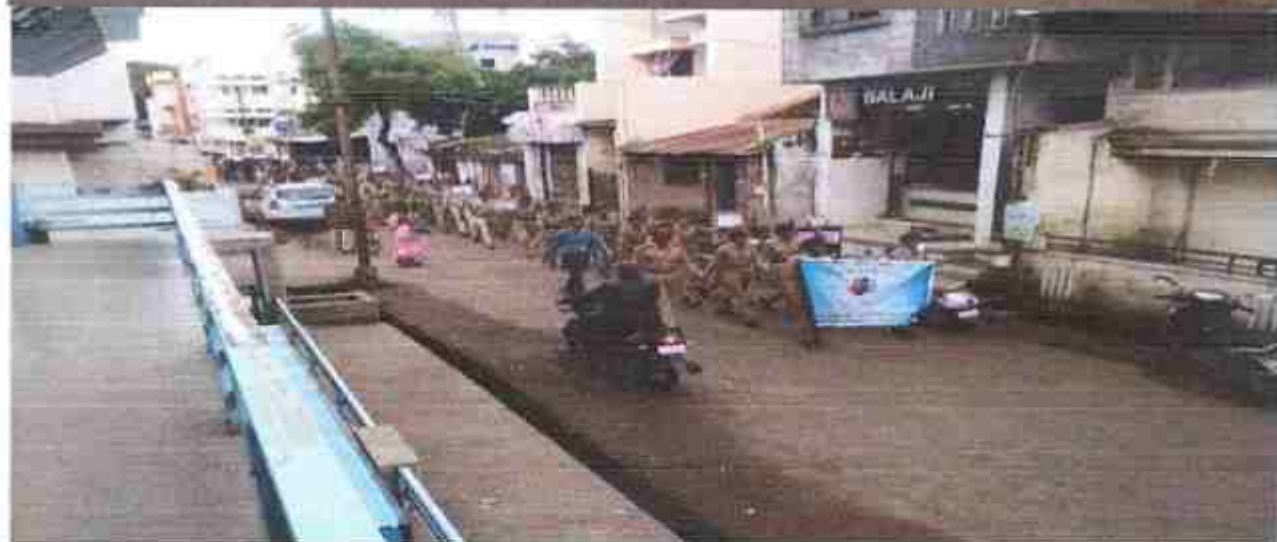
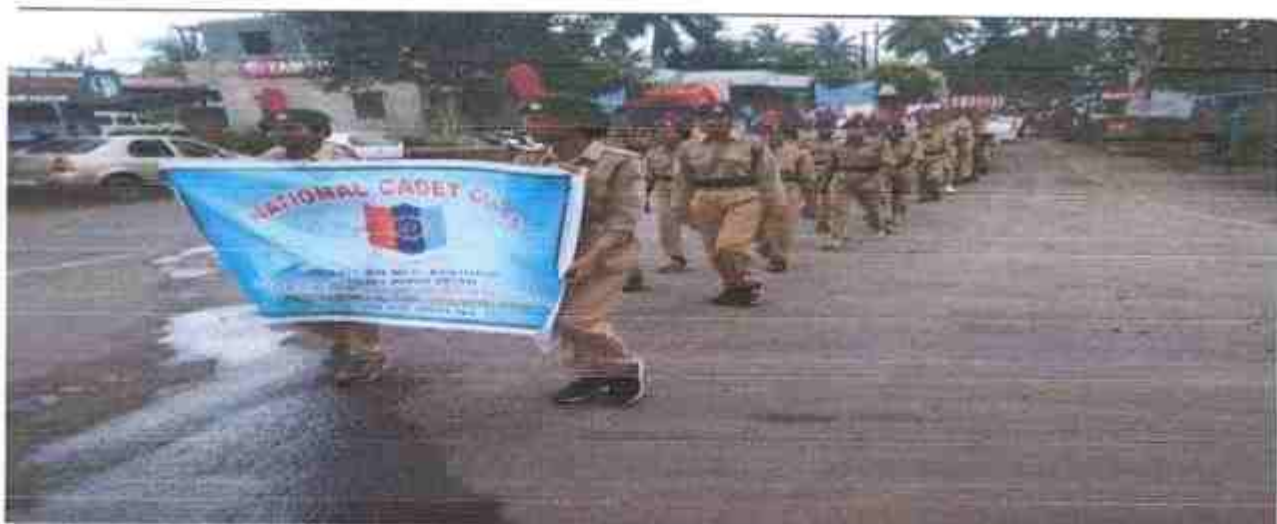


Fig: Photos of Swachh Bharat rally



Title of the programme	SWACH BHARAT RALLY
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Date of the programme	3rd October 2018
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– Vadgaon Court Main Road – Sonarli Vasahat Boudha Vihar —Primary School and end at Maruti Temple.

Aims and Objectives

- To create awareness about cleanliness of environment.
- To create awareness about health and hygiene.
- To create awareness about plastic wastes, its impacts and cleanliness in and around the campus.

Programme Outcome

- Development of clean and hygienic environment.
- It has made students aware of cleanliness and social hygiene.



The cadets perform these activities as part of social responsibilities and community



Title of the programme	SWACH BHARAT- Cleanness Drive
Organized by	NCC
Date of the programme	8 th October 2018
Funding Agency	Dr. Babasaheb Ambedkar College
Number of student participants/ Targeted Group	SD 37 and SW 16 Total 53 Cadet
Number of Teacher participated	02
Place of extension / outreach activity	Mahalakshmi Temple, Peth Vadgaon City, Tal-Hatkangale, Dist-Kolhapur
Beneficiaries	College Students and Staff

Introduction:

Swachh Bharat Mission (SBM), Swachh Bharat Abhiyan, or Clean India Mission is a country-wide campaign initiated by the Government of India in 2014 to eliminate open defecation and improve solid waste management. It is a restructured version of the Nirmal Bharat Abhiyan launched in 2009 that failed to achieve its intended targets. All 53 cadets sw/sd were presented at college sharp at 9:00 am., Speech about Importance of Swach Bharat given Chief officer of Vadgaon Municipality Mr. Atul Patil, This activity organized jointly with municipal council, Also participated our teaching and non-teaching staff.

Aims and Objectives

- To create awareness about cleanliness of environment.
- To create awareness about health and hygiene among the students.

Programme Outcome

- Development of clean and hygienic environment.
- It has made students aware of cleanliness and social hygiene.

The cadets perform these activities as part of social responsibilities and community







2.2 NO Vehicle Day

Our college located in Vadgaon dist kolhapur. In our college about 1000 student are studying in UG to PG section and about 35 teaching and non-teaching staff are present. Most of the students and staff coming from villages by common buses, two wheelers as well as car. We are starting our college campus pollution free and campus goes to green under the guidance of Prin. Dr. S. D. Disale. Our Principal called the meeting on the month of June 2022 on discussion on No Vehicle Day. During this meeting all students and teaching staff accepted the rules and regulation of "No - Vehicle Day". During this meeting Principal talks on benefits of "No - Vehicle Day" on the environment, Social life, and Health and Socio economic importance of Nation. All these suggestions and benefits are accepted by students and staff of our college.

Principal released notice to all students, faculties and non teaching staff of college on 25/11/2022. During meeting finalized last Saturday of every month is "No Vehicle Day" of campus. All the students, faculties and non teaching staff of college are accepted for Future Safe, clean Environment and Sound Free Zone. In our College 5 staff coming by Electrical



Vehical, 4 staff coming by Motor Cycle, 2 staff by Own car, 15 by Bycycle, 10 staff by Public Transport and remaining are by walk. Most of the students are coming by Public transport. "No Vehicle Day" was declared on last Saturday of every Month. Last Saturday of every month considered as a "No Vehicle Day".

Output of "No -Vehicle Day"

1. No Vehicle Day helps to avoid air pollution and sound pollution.
2. It also helps to save the excess burning of fossil fuels.
3. It also protects nature from high temperature and minimum release of polluting gases.
4. It also responsible for increase the income of public transport.
5. It saves the consumption petrol and diesel of Nation.
6. It protects environment from air pollution.
7. It maintains free sound pollution and clean College campus.
8. Each staff and student involved in protection of Earth from air pollution.

2.3 Plastic And Paper Free Campus



Initiative has been taken by college administrative to make the campus plastic and paper free. Most of the information is now shared to the faculty and students by email and social media applications rather than paper notice. Also, college has organized awareness program for students on above topic. It has been decided that 1 day in a month will be celebrate as bicycle day which will avoid the use of motor vehicles Below is the image of awareness program conducted in college.



2.4 Liquid Waste Management

- **Liquid waste management:**
- The waste chemicals mixed water from laboratory passes through concealed pipe line into soak pit & recycled water is used for the watering trees or non-potable usage.
- Liquids are diluted by getting mixed with the washroom and toilet liquid wastes in to the common drainage.
- **Water Conservation**

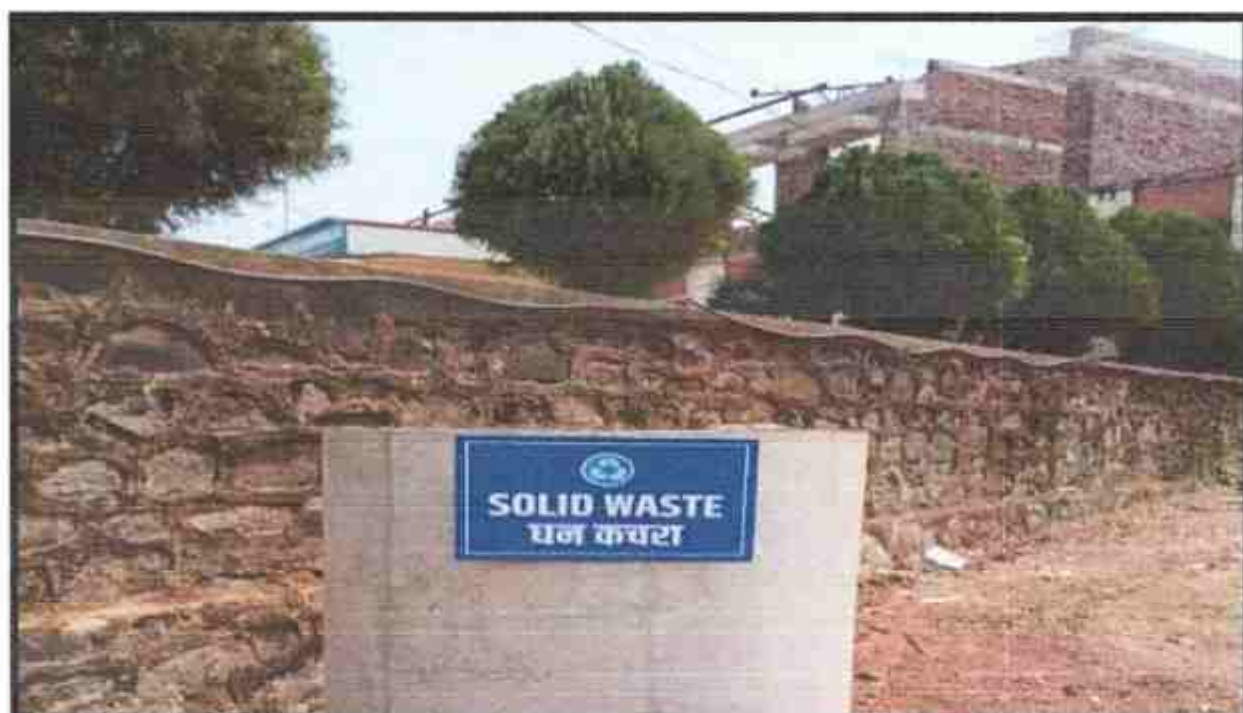
Water conservation is the practice of using water efficiently to reduce unnecessary water usage. According to Fresh Water Watch, water conservation is important because fresh clean water is a limited resource, as well as a costly one.





2.5 Solid waste management

- To reduce waste at institute, students and staff are educated on proper waste management practices through lectures, advertisement on notice boards, displaying slogan boards in the campus.
- Waste is collected on a daily basis from various sources and is separated as **dry and wet waste**.
- Color coded dustbins are used for different types of wastes. Green for wet and blue for solid waste.
- Daily garbage is collected by housekeeping personnel and handed over to authorized personnel of vadgaon municipal for further processing. All waste water lines from toilets; bathrooms etc. are connected with Municipal drainage mains. Waste material like plastic, papers etc. are collected and sold out to scrap vendor from time to time.
- Efforts have taken to produce compost manure from the canteen solid waste and waste from other sources and efficiently run by the students. Manure is used for the purpose of herbal garden as well or for planted tree.





2.6 E-waste management

The disposal of E-Waste is a rapidly growing problem because electronic equipment frequently contains hazardous substances which affect the environment and human health. E-waste such as, discarded computers, office electronic equipment, monitors, Hard Disks are disposed off as per their conditions. These wastes are sold to local scrap. Efforts are made to reduce e-waste by making optimum use of electronic devices.

Observations

The college conscientiously works towards generating minimal e-waste, for which the following strategies are adopted: Regular maintenance of electronic equipment and computers by the in house technician and AMC, ensures longer life. Weeded out computers from the computer science laboratories due to up gradation are transferred to departments, the administration within the college campus. Outdated Computers, servers, monitors, compact discs (CDs), DVD's, printers, scanners, copiers, motherboard, battery cells and other electronic equipment, weeded out from the computer laboratory are used for demonstration of internal parts of the equipment. Some electronic equipment are



replaced with newer models due to the rapid technology advancements and production of newer electronic equipment.

Recommendations:

Electronic equipment may contain heavy metals and other materials. Computers and electronic equipment typically contain:

- **Lead** - Computer monitors contain a picture tube known as a cathode ray tube (CRT). CRT's contain leaded glass, and are the largest source of lead in municipal waste. Solder used in printed circuit boards may also contain lead.

- **Cadmium** - The largest source of cadmium in municipal waste is rechargeable nickel cadmium (NiCd) batteries. These batteries are found in most desktop and laptop computers.

- **Mercury** - Some electronic equipment also contains recoverable quantities of mercury,

which is a toxic metal. Unwanted electronic equipment must therefore either be donated for reuse or sent for recycling.

2.7 World Ozone Day

The World Ozone Day is celebrated on September 16th of every year to spread awareness about the Ozone depletion. The theme for this year celebration given by United Nation Environmental Programme is – “Ozone for life: 35 years of ozone layer protection”. The slogan of the day Ozone for life, reminds us that not only is Ozone crucial for life on Earth, but that we must continue to protect the ozone layer for future generation.

To spread the awareness and make the young minds understand about the importance of Ozone layer and the need to protect this fragile shield of gas, the students of Dr. Babasaheb Ambedkar Mahavidyalaya, Peth Vadgaon, Kolhapur, were involved in various activities virtually like Online Poster making, Quiz contest etc. The students were very enthusiastic and prepared beautiful posters /charts depicting drawings of the ozone layer depletion.

Through PowerPoint Presentation, Children were apprised that Ozone layer is a natural part of our atmosphere and shields Earth from most of the Sun's harmful ultraviolet radiations. UV rays can be very damaging for our planet- for plants, humans and animals all alike.



The students were also sensitized that as a result of Ozone depletion there will be increase in Earth temperature, melting of glaciers ,cancerous disease and rise in the level of ocean and many more. Through the activities children were encouraged to adopt and follow simple ways to keep the Ozone layer safe such as:

- Buy energy saving gadgets and bulbs.
- Follow 4 R's policy-Reduce, Reuse, Refuse and Recycle at home and school.
- Use alternative means of transport : buses ,bicycles or simply walk or carpools
- Avoid buying and using aerosols and spray having CFC.

Active and energetic participation of students was observed throughout the session .On the whole it was a creative and interesting session, which enlightened the students and made them realise the seriousness of the situation.



3.0 CONCLUSIONS AND GENERAL RECOMMENDATION OF THE AUDIT

- a) Consider planting trees and shrubs in strategic locations to help to reduce the temperature and airflow in Laboratory, classroom etc. Trees planted on the west and south sides of buildings help to keep the buildings shaded during hotter weather.
- b) Formation of Environment Policy and communicated to all faculties and other staff members.
- c) Reduction in use of paper work by go digital system.
- d) Water Meter should be installed at institute for monitoring of water consumption for landscape.
- e) Increase in Environmental promotional activities for spreading awareness at campus.
- f) As practically feasible avoid use of personal vehicles inside the campus.



Mr.R.S.Pukale

Energy Audit Coordinator

Department of Electrical Engineering



Dr. H. T. Jadhav
Director AMGOI, Vathar
Certified Energy Auditor (BEE)
Reg. No. - EA - 3023

