Pravara Rural Education Society's

Arts, Commerce and Science College, Satral

Tal. Rahuri, Dist. Ahmednagar- 413711

Affiliated to Savitribai Phule Pune University, Pune.

Self-Study Report: 2024 (3rd Cycle)

Criterion- 7

Institutional Values and Best Practices

Key Indicator: 7.1

Institutional Values and Social Responsibilities

Metric: 7.1.3 (QnM)

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following 1. Green audit / Environment audit 2. Energy audit 3. Clean and green campus initiatives 4. Beyond the campus environmental promotion activities

DVV Documentation

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL BENGALURU

Index

PowerTech Energy Solutions
Conserve to Consume

Energy & Green Audit Report
of
Arts, Commerce and Science College, Satral, Tal- Rahuri

Submitted By

PowerTech Energy Solutions

Our Certificates

BEE Certified Energy Auditor Certificate

Regn. No. EA-20121

Certificate No. 8299

National Productivity Council

(National Certifying Agency)

PROVISIONAL CERTIFICATE

This is to certify that Mr. / Mrs./ Ms. Swapnil Sanjay Gaikwad

son / daughter of Mr. Sanjay J. Gaikwad

has passed the National Certification Examination for Energy Auditors held in August - 2014, conducted on behalf of the Bureau of Energy Efficiency, Ministry of Power, Government of India.

He / She is qualified as Certified Energy Manager as well as Certified Energy Auditor.

He / She shall be entitled to practice as Energy Auditor under the Energy Conservation Act 2001, subject to the fulfillment of qualifications for the Accredited Energy Auditor and issue of certificate of Accreditation by the Bureau of Energy Efficiency under the said Act.

This certificate is valid till the issuance of an official certificate by the Bureau of Energy Efficiency.

Place : Chennai, India

Date : 9th January, 2015

Controller of Examination

Lead Auditor Certificate – ISO 50001: Energy Management System

TÜV NORD

PR366: ISO 50001:2018 Lead Auditor (Energy Management System) Training Course

Certificate of Achievement

Atul Kakad

has successfully completed the above mentioned course and examination.

26th - 30th November 2019

PUNE, INDIA

Certificate No. 35258395 07

Delegate No. 222777

for TÜV NORD CERT GmbH

Essen, 2020-01-08

The course is certified by CQI and IRCA (Certification No. 2088). The learner meets the training requirements for those seeking certification under the IRCA EnMS Auditor certification scheme.

TÜV NORD CERT GmbH Langemarckstraße 20 45141 Essen www.tuev-nord-cert.com

CQI | IRCA

CERTIFIED COURSE

MEDA Registration Certificate

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

Maharashtra Energy Development Agency

(A Government of Maharashtra undertaking)
Aundh Road, Opposite Spicer College,
Near Commissionerate of Animal Husbandry, Aundh, Pune – 411 067
Ph No: 020-26614393/266144403
Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2022-23/CR-44/3803

4th October, 2022

CERTIFICATE OF REGISTRATION
FOR CLASS 'A'

We hereby certify that, the firm having following particulars is registered with ***MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)*** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm	:	M/s PowerTech Energy Solutions Office No. 10, B-wing, 3rd floor, Phuge Prima, Bhosari Dighi Road Bhosari, Pimpri Chinchwad- 411 039.
Registration Category	:	*Empanelled Consultant for Energy Conservation Programme for Class 'A'*
Registration Number	:	***MEDA/ECN/2022-23/Class - A/EA-31***

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit at any time without giving prior information to verify quarterly activities performed by the firm and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **3rd October, 2024** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.

General Manager (EC)

1 Executive Summary – Energy Audit

Sr No	Area	Observations	Proposed Action	Estimated Monthly Energy Savings	Estimated Monthly CO2 Emission Reduction	Estimated Monthly Monetary Savings	Estimated Investment	Payback Period
				kWh	Tones	Rs. Lakh	Rs. Lakh	Months
1	Ceiling Fan	At present, conventional ceiling fans of 75W are installed in Class Room, Tutorial Room, Staff Room, Examination Dept, VLC Room, 3rd floor Library Physics, Labs.	It is recommended to replace existing 75 W ceiling fans with new energy efficient 40W BLDC fan	407	0.3	0.04	2.9	71
SUM				**407**	**0.3**	**0.04**	**3**	**71**

2 Executive Summary – Green Audit

Sr.No	Area	Observations	Remark
1	**Tree Plantation**	College has planted 125 trees and medicine trees in last year and also plan to plant more no. of trees in coming years The total carbon sequestration done by the medicine tress is approx. 3.9 Tones per annum and for SO_2 it is around 0.07 Tones	Good initiative taken by college toward green campus
2	**Solid Waste Management**	College has vermicomposting plant where solid waste has been used as a raw material. Vermic plant is producing approx. 2.5 Tons of compost in a period of 2 months	Good initiative taken by college towards solid waste management
3	**Rain Water Harvesting**	Rain water harvesting system is installed in college to use the rain water for gardening purpose. Capacity of the storage tank is 500 lit.	Good initiative taken by college to use rain water
4	**Solar Energy**	College has implemented solar PV system of 15.36 kW which is generating almost 11000 units annual which helps to reduce 8.7 tones	Good initiative taken to by college toward use of renewable energy
5	**E waste Management**	At present, E -waste generated by college is sent to their Head office	College shall ensure that e-waste generated by them is channelised through collection center or dealer of authorized producer or dismantler or recycler

Table of Contents

3 Acknowledgement

PowerTech Energy Solutions extends gratitude to Arts, Commerce and Science College, Satral for extending us the opportunity to conduct the Energy & Green Audit.

We are thankful to the professors & supporting staff of the college for their transparency & consistent support in sharing relevant information and for providing data about policies and projects along with their other valuable information. This report would have not been possible without their support.

The study team would like to acknowledge the following distinguished personnel's of Arts, Commerce and Science College, Satral in person for the diligent involvement and cooperation.

Prof. (Dr) P. M. Dongre	Principal
Prof. D. N. Gholap	Department of Botany
Dr. R.S. Tambe	Department of Zoology

4 About College

Arts, Commerce and Science College, Satral was established in August 1998 under the mentorship of Pravara Rural Education Society, Pravaranagar and with great vision of Balasaheb Vikhe Patil, Padmabhushan Awardee.

It stands with a specific objective of elevation of rural masses through quality, need based and appropriate education by achieving academic excellence among rural youth with relevance to employability and rural development right from grass root level.

The College is situated on the bank of sacred PRAVARA River in Satral village. Satral is located in the core of Panchkroshi, (cluster of five Villages).

At present the college has its 12.5acres of expansive premises dotted with beautiful lush green surroundings, large class rooms, well equipped laboratories, exclusive library and spacious playgrounds congenial to academic growth and all round development of learners.

The College is permanently affiliated to Savitribai Phule University, Pune & is approved under Section 2 (f) & Section 12 (b) of the UGC act. The college also received 'A' grade with CGPA 3.15 by NAAC in 2012**.**

4.1 Vision:

To provide higher educational avenues to develop overall personality of the students in rural and economically weaker classes.

4.2 Mission:

To inculcate moral values and the spirit of fair competition, which make students academically sound and socially conscience to become responsible.

4.3 Goals:

- To achieve academic excellence of higher education.
- To bring higher educational opportunities within the reach of the under privileged section of society and girls.
- To inculcate value based education to empower the youth for development of the nation.
- To develop an overall personality of the students by giving ample exposure in co-curricular and extracurricular activities.
- To develop nexus between educational institution and society for mutual benefits by socio-Economics and culture transformation through higher education.

5 Energy Audit

An energy audit is an inspection, survey and analysis of energy flows, for energy conservation in a building, process or system to reduce the amount of energy input into the system without negatively affecting the output(s). In commercial and industrial real estate, an energy audit is the first step in identifying opportunities to reduce energy expense and carbon footprints.

5.1 Electricity Bill Analysis

There is three numbers of energy meters being power supplied by MSEDCL. Two meters used for college and another one is agriculture college Monthly electricity bill is served by MSEDCL against electricity used & is paid by college. A cost of power is worked out by summing up total KWH of all connections & their amount over the year 2023-2024. By dividing total amount by total KWH works out average cost of power per KWH.

Consumer	**Shri Principal Arts,Comm & Science**
Consumer No.	850660027495
Tariff	80/LT IV

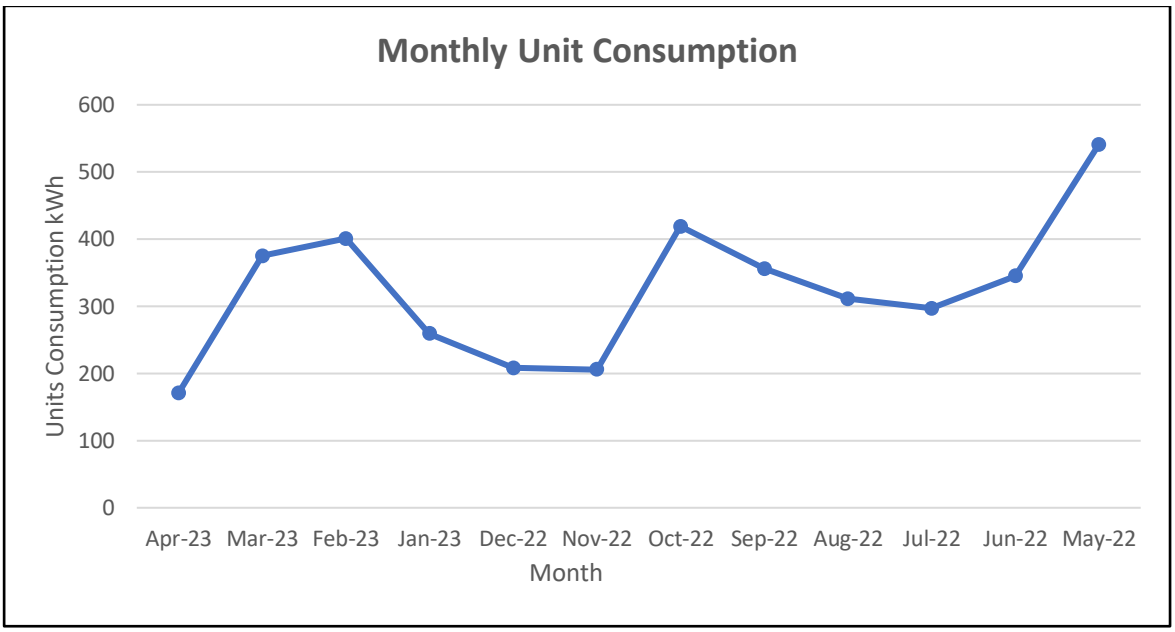
Consumer	**Pri Arts,Comm & Science Satral**
Consumer No.	850660009217
Tariff	73/LT -XB I

Consumer	**Pracharya Arts,Comm & Science College**
Consumer No.	850660009535
Tariff	73/LT V-II BI

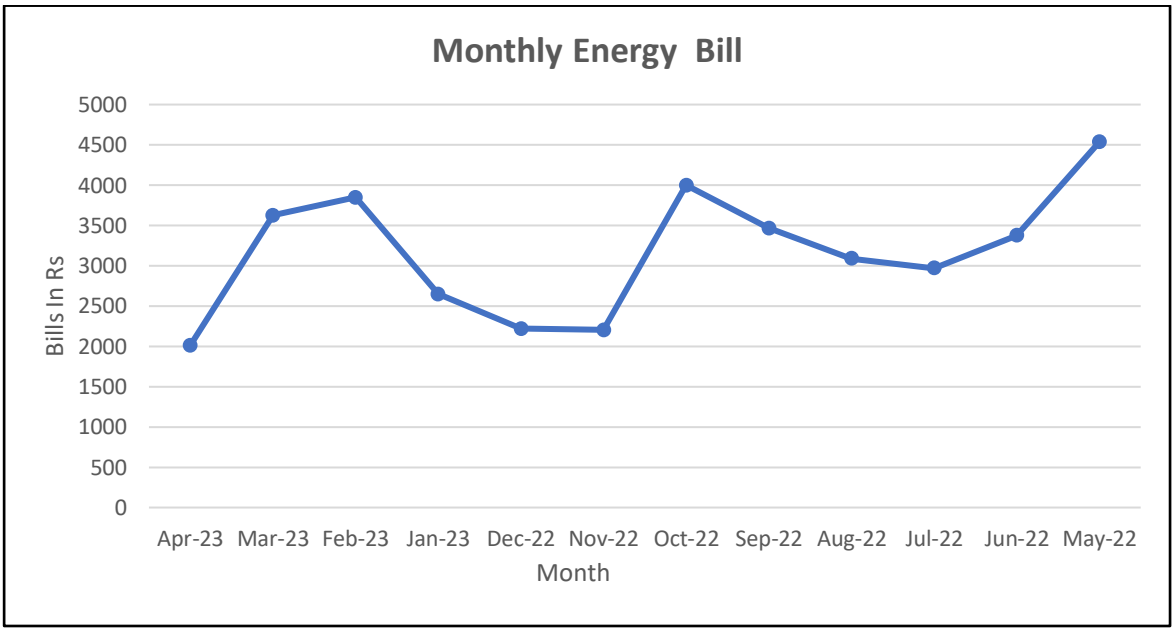
Below table shows the monthly energy consumption.

Month	**Unit Consumption (kWh)**	**Bill Amount (Rs)**	**Average Unit Rate (Rs/kWh)**
Apr-23	171	2013	12
Mar-23	375	3624	10
Feb-23	401	3846	10
Jan-23	259	2649	10
Dec-22	208	2219	11
Nov-22	206	2202	11
Oct-22	419	3998	10
Sep-22	356	3467	10
Aug-22	311	3088	10
Jul-22	297	2969	10
Jun-22	345	3374	10
May-22	541	4536	8
Avg	**324**	**3165**	**10**

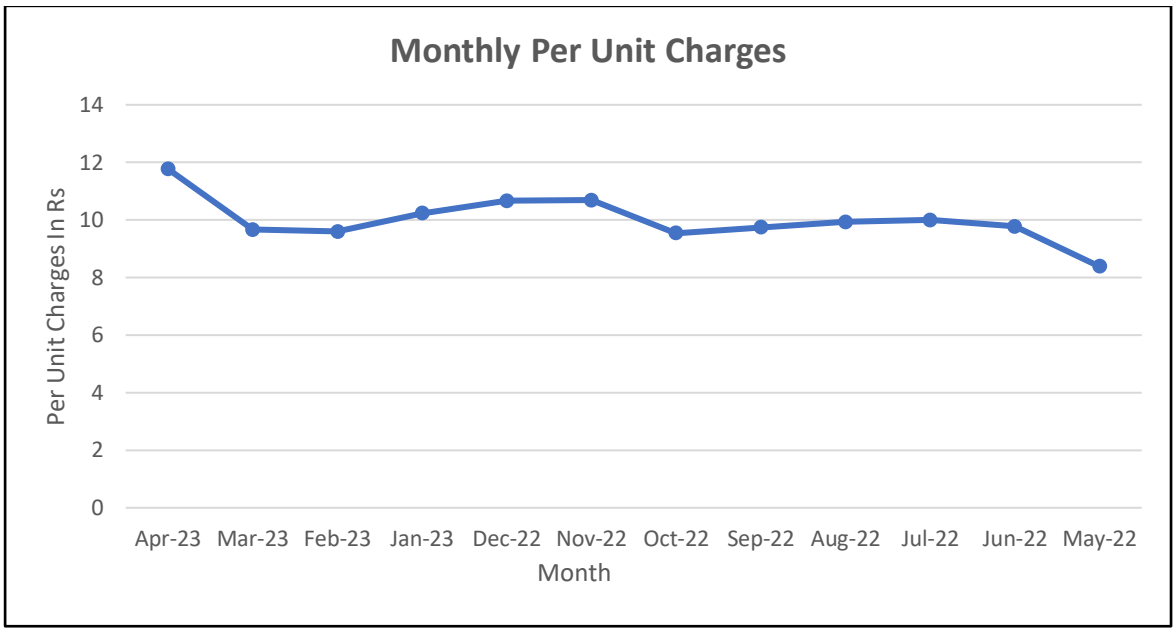
Below graph shows the monthly energy consumption.



Below graph shows the monthly energy bill Rs.



Below graph shows the monthly per unit charges.



5.2 Observations & Remark

Sr.No.	Parameter	Observation	Remark
1	Contract Demand	Contract demand of the college is 15 kVA	No action required
2	Connected Load	Connected load of college is 18.40 kW	No action required
3	Unit consumption	Minimum unit consumption recorded is 171 kWh in month of April-23	No action required
		Avg. unit consumption recorded is 324 kWh	No action required
		Maximum unit consumption recorded is 541 kWh in month of May-22	No action required

5.3 Connected Load

Name of the Space	Type of Load	Total Qty	Used Qty	Wattage	Load in kW
Gymkhana	LED TL	6	6	18	0.11
Gymkhana	Ceiling Fan	1	1	75	0.08
Canteen	LED TL	2	2	18	0.04
Library	LED TL	6	6	18	0.11
Library	Fan	5	5	75	0.38
Seminar Hall	LED TL	9	9	18	0.16
Seminar Hall	Fan	12	12	75	0.90
Research Lab	LED	6	6	18	0.11
Ladies Toilet	LED TL	1	1	18	0.02
Gents Toilet	LED TL	2	2	18	0.04
Passage near gym	LED TL	5	5	18	0.09
Chemistry Lab 2 & 3	LED TL	4	4	18	0.07
Chemistry Lab 2 & 3	Fan	5	5	75	0.38
Chemistry Lab 2 & 3	Exhaust fan	3	3	50	0.15
Chemistry Lab 1	LED TL	4	4	18	0.07
Chemistry Lab 1	Exhaust fan	1	1	150	0.15
Chemistry Lab 1	Exhaust fan	3	3	65	0.20
Principal cabin	LED TL	3	3	18	0.05
Principal cabin	Fan	2	2	75	0.15
Office Area	LED TL	3	3	18	0.05
Office Area	Fan	3	3	75	0.23
Examination Dept	LED TL	2	2	18	0.04
Examination Dept	Fan	2	2	75	0.15
Ground floor passage	LED TL	8	8	18	0.14
Ground floor passage	LED Bulb	1	1	7	0.01
1st floor BSR	LED TL	2	2	18	0.04
1st floor BSR	Fan	1	1	75	0.08
Geology Lab	LED TL	2	2	18	0.04
Geology Lab	Fan	2	2	75	0.15
Principal cabin	AC 1.5 Ton	1	1		0.00
Botany Lab	LED TL	3	3	18	0.05
Botany Lab	Fan	2	2	75	0.15
Ladies Room	LED TL	4	4	18	0.07
Ladies Room	Fan	3	3	75	0.23
VLC Room	LED TL	5	5	18	0.09
VLC Room	Fan	3	3	75	0.23
Exam Room	LED TL	2	2	18	0.04
Exam Room	Fan	3	3	75	0.23
Physical Lab	LED TL	3	3	18	0.05
Physical Lab	Fan	3	3	75	0.23
1st floor passage	LED TL	6	6	18	0.11
2nd floor class - 1	LED TL	2	2	18	0.04
2nd floor class - 1	Fan	2	2	75	0.15
2nd floor class - 2 & 3	LED TL	4	4	18	0.07
2nd floor class - 2 & 3	Fan	4	4	75	0.30
English Lab	LED TL	3	3	18	0.05
English Lab	Fan	4	4	75	0.30
HOD	LED TL	1	1	18	0.02
HOD	Fan	3	3	75	0.23
2nd floor passage	LED TL	3	3	18	0.05

Name of the Space	Type of Load	Total Qty	Used Qty	Wattage	Load in kW
3rd floor Library	LED TL	5	5	18	0.09
3rd floor Library	Fan	3	3	75	0.23
3rd floor class room	LED TL	1	1	18	0.02
3rd floor class room	Fan	2	2	75	0.15
Staff room	LED TL	2	2	18	0.04
Staff room	Fan	2	2	75	0.15
Class room block 1	LED TL	2	2	18	0.04
Class room block 1	Fan	2	2	75	0.15
Class room block 2	LED TL	2	2	18	0.04
Class room block 2	Fan	2	2	75	0.15
NSS	LED TL	1	1	18	0.02
NSS	Fan	2	2	75	0.15
Geography Dept	LED TL	3	3	18	0.05
Geography Dept	Fan	3	3	75	0.23
3rd floor passage	LED TL	3	3	18	0.05
Stair case	LED TL	3	3	18	0.05
Street light	LED SL	8	8	35	0.28
Street light	LED SL	10	10	35	0.35
Total					**9**

5.4 Performance Assessment of Lighting System

Lighting system analysis is taking the data from college building areas. Most of the system is in energy efficient LED system. There are total 494 lights installed in the college building at different location and for different purposes. Out of 494 lights, 482 lights are of LED type. Remaining lights are conventional types of light fittings.

Name of the Space	Type of Load	Total Qty	Used Qty	Wattage	Load in kW	Daily kWh	Monthly kWh
Gymkhana	LED TL	6	6	18	0.11	0.5	13.5
Canteen	LED TL	2	2	18	0.04	0.2	4.5
Library	LED TL	6	6	18	0.11	0.9	21.6
Seminar Hall	LED TL	9	9	18	0.16	0	1.9
Research Lab	LED	6	6	18	0.11	0.3	9.9
Ladies Toilet	LED TL	1	1	18	0.02	0.2	6.6
Gents Toilet	LED TL	2	2	18	0.04	0	0
Passage near gym	LED TL	5	5	18	0.09	1.1	32.9
Chemistry Lab 2 & 3	LED TL	4	4	18	0.07	0.6	17.6
Chemistry Lab 1	LED TL	4	4	18	0.07	0.6	17.6
Principal cabin	LED TL	3	3	18	0.05	0.4	13.2
Office Area	LED TL	3	3	18	0.05	0.4	13.2
Examination Dept	LED TL	2	2	18	0.04	0.3	8.8
Ground floor passage	LED TL	8	8	18	0.14	1.7	52.7
Ground floor passage	LED Bulb	1	1	7	0.01	0.1	2.6
1st floor BSR	LED TL	2	2	18	0.04	0.1	4.4
Geology Lab	LED TL	2	2	18	0.04	0.3	8.8
Botany Lab	LED TL	3	3	18	0.05	0.4	13.2
Ladies Room	LED TL	4	4	18	0.07	0.5	15.4
VLC Room	LED TL	5	5	18	0.09	0.6	19.2
Exam Room	LED TL	2	2	18	0.04	0.1	4.4
Physical Lab	LED TL	3	3	18	0.05	0.2	6.6
1st floor passage	LED TL	6	6	18	0.11	0.9	26.4
2nd floor class - 1	LED TL	2	2	18	0.04	0.2	6.6
2nd floor class - 2 & 3	LED TL	4	4	18	0.07	0.4	13.2
English Lab	LED TL	3	3	18	0.05	0.4	11.5
HOD	LED TL	1	1	18	0.02	0.1	1.6
2nd floor passage	LED TL	3	3	18	0.05	0	0
3rd floor Library	LED TL	5	5	18	0.09	0.5	16.5

Name of the Space	Type of Load	Total Qty	Used Qty	Wattage	Load in kW	Daily kWh	Monthly kWh
3rd floor class room	LED TL	1	1	18	0.02	0.1	3.3
Staff room	LED TL	2	2	18	0.04	0.2	6.6
Class room block 1	LED TL	2	2	18	0.04	0.2	6.6
Class room block 2	LED TL	2	2	18	0.04	0.2	6.6
NSS	LED TL	1	1	18	0.02	0.1	3.3
Geography Dept	LED TL	3	3	18	0.05	0.3	9.9
3rd floor passage	LED TL	3	3	18	0.05	0	0
Stair case	LED TL	3	3	18	0.05	0	0
Street light	LED SL	8	8	35	0.28	3.4	102.5
Street light	LED SL	10	10	35	0.35	4.2	128.1
Total		**142**	**142**		**2.86**	**20.7**	

5.5 Observation & Remark

Sr. No.	Area	Observation	Remark
1	Arts, Commerce and Science College, Satral, Tal-Rahuri	Some of the street lights in the college areas are on for 12 to 13 hours every day	Recommendation to replacing the existing street lights in the college areas with energy-efficient 30W dimming motion sensor lights. This upgrade will not only conserve energy but also enhance security by automatically adjusting the lighting intensity based on motion, ensuring optimal illumination when needed.

5.6 ECM-1 Replacement of conventional ceiling fans with energy efficient ceiling fans

It has been observed that conventional ceilings fans are used at different areas in college building offices, Class Room, Tutorial Room, Staff Room, Examination Dept, VLC Room, 3rd floor Library Physics, Labs etc. It is recommended to replace existing 75W ceiling fans with 40W energy efficient fans. Below table shows the estimated energy and monetary saving along with payback period.

Location	Fan	Qty	Load in Kw	Hours of Usage	Daily Consumption (kWh)	Monthly Consumption (kWh)	New Wattage	New kW	New Monthly kWh	Energy Saving in kWh	Monetary saving in Rs	Investment	Payback period
Gymkhana	Ceiling fan-75w	1	0.08	5	0.4	9.6	40	0.04	5	4.5	45	3500	78
Library	Ceiling fan-75w	5	0.38	8	3.0	76.5	40	0.20	41	35.7	357	17500	49
Seminar Hall	Ceiling fan-75w	12	0.90	0	0.0	0.0	40	0.48	0	0.0	0	42000	0
Chemistry Lab 2 & 3	Ceiling fan-75w	5	0.38	8	3.0	76.5	40	0.20	41	35.7	357	17500	49
Chemistry Lab 2 & 3	Ceiling fan-75w	3	0.23	4	0.9	23.0	40	0.12	12	10.7	107	10500	98
Chemistry Lab 1	Ceiling fan-75w	1	0.08	7	0.5	13.4	40	0.04	7	6.2	62	3500	56
Chemistry Lab 1	Ceiling fan-75w	3	0.23	7	1.6	40.2	40	0.12	21	18.7	187	10500	56
Principal cabin	Ceiling fan-75w	2	0.15	11	1.7	42.1	40	0.08	22	19.6	196	7000	36
Office Area	Ceiling fan-75w	3	0.23	8	1.8	45.9	40	0.12	24	21.4	214	10500	49
Examination Dept	Ceiling fan-75w	2	0.15	8	1.2	30.6	40	0.08	16	14.3	143	7000	49
1st floor BSR	Ceiling fan-75w	1	0.08	4	0.3	7.7	40	0.04	4	3.6	36	3500	98
Geology Lab	Ceiling fan-75w	2	0.15	8	1.2	30.6	40	0.08	16	14.3	143	7000	49
Botany Lab	Table Fan-75w	2	0.15	8	1.2	30.6	40	0.08	16	14.3	143	7000	49
Ladies Room	Ceiling fan-75w	3	0.23	7	1.6	40.2	40	0.12	21	18.7	187	10500	56
VLC Room	Table Fan-75w	3	0.23	7	1.6	40.2	40	0.12	21	18.7	187	10500	56
Exam Room	Ceiling fan-75w	3	0.23	4	0.9	23.0	40	0.12	12	10.7	107	10500	98
Physical Lab	Ceiling fan-75w	3	0.23	4	0.9	23.0	40	0.12	12	10.7	107	10500	98
2nd floor class - 1	Ceiling fan-75w	2	0.15	6	0.9	23.0	40	0.08	12	10.7	107	7000	65
2nd floor class 2&3	Ceiling fan-75w	4	0.30	6	1.8	45.9	40	0.16	24	21.4	214	14000	65
English Lab	Ceiling fan-75w	4	0.30	7	2.1	53.6	40	0.16	29	25.0	250	14000	56
HOD	Ceiling fan-75w	3	0.23	3	0.7	17.2	40	0.12	9	8.0	80	10500	131
3rd floor Library	Ceiling fan-75w	3	0.23	6	1.4	34.4	40	0.12	18	16.1	161	10500	65
3rd floor class room	Ceiling fan-75w	2	0.15	6	0.9	23.0	40	0.08	12	10.7	107	7000	65
Staff room	Ceiling fan-75w	2	0.15	6	0.9	23.0	40	0.08	12	10.7	107	3500	33
Class room block 1	Ceiling fan-75w	2	0.15	6	0.9	23.0	40	0.08	12	10.7	107	7000	65
Class room block 2	Ceiling fan-75w	2	0.15	6	0.9	23.0	40	0.08	12	10.7	107	7000	65
NSS	Ceiling fan-75w	2	0.15	6	0.9	23.0	40	0.08	12	10.7	107	7000	65
Geography Dept	Ceiling fan-75w	3	0.23	6	1.4	34.4	40	0.12	18	16.1	161	10500	65
		83	**6**		**34**	**876**	**1120**	**3**	**467**	**409**	**4087**	**287000**	**70**

Fan Recommendation

Replace existing 75-watt conventional ceiling fans with 40-watt energy efficient fans

Parameter	Unit	Value
Present fan type		Conventional ceiling fan
Present wattage of ceiling fans	watt	75
Total no.of fans installed	Nos.	82
Present load of ceiling fans	kW	6
Present monthly energy consumption of ceiling fans	kWh	876
Recommended fan type		Energy Efficient BLDC fan
New Estimated wattage of fan	watt	40
Estimated load of ceiling fan	kW	3
Power saving	kW	3
% Savings	%	47%
New Estimated monthly energy consumption	kWh	467
Estimated monthly energy savings	kWh	409
Estimated monthly carbon emission reduction	Tons	0.3
Estimated monthly monetary savings	Rs	4,087
Estimated investment for 1 fan	Rs	3500
Estimated total investment	Rs	287,000
Payback period	Months	70

5.7 Observation & Remark

Sr.No	Area	Observation	Remark
1	Arts, Commerce and Science College, Satral, Tal-Rahuri	At present, conventional ceiling fans of 75W are installed in Class Room, Tutorial Room, Staff Room, Examination Dept, VLC Room, 3rd floor Library Physics, Labs. There are total 82 no. of ceilings fans installed Total ceiling fan load is 6 kW	New energy efficient fans are available in the market which deliver same air volume at less power consumption It is recommended to replace existing 60 W ceiling fans with new energy efficient 40W BLDC fan Estimated new load of fan is 3 kW Estimated monthly energy saving is 467units Estimated monthly carbon emission reduction is 0.3 Tones Estimated monthly monetary saving is Rs.0.04 Lakh Estimated investment is Rs.2.87 Lakh Payback period is 70 months

6 Requirements of NAAC

6.1 Alternative Energy Initiative

Percentage of power requirement met by renewable energy sources

= (Power requirement met by renewable energy sources / Total power requirement) X 100

= (7618/11451) X 100

= 150 % (Energy generated from Solar PV system is more than energy required for college campus)

6.2 Percentage of lighting power requirement met through LED bulbs

= (Lighting power requirement met through LED bulbs / Total lighting power requirement) X 100

= (2.86 / 2.86)

= 100 %

7 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 analyze 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.

7.1 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

7.2 Benefits of Green Audit

- 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

8 Initiatives by College towards Sustainable Environment

8.1 Dripping System and New Tree Plantation

Complete Campus has been under dripping system, which helps college to minimize the water uses and spread awareness of water management and water distribution in the students.

The college has independent plant nursery to nurture the various types of plants which helps to control greenhouse gases and temperature. The student of the plant spread awareness in nearby villages about plantation and greenhouse gases emissions. The college and students also donated lakhs of plants to the villagers.

Below is the list of plants in biological garden, It also shows the it carbon Sequestration (kg/year)

Sr. No	Botanical Name	Local Name	Family	Group	Estimated Carbon Sequestration (kg/year)
1	Caryotaurens L.	Fishtail palm	Arecaceae	Angiosperm	4-6 kg
2	Livostonachinensis	Fan palm	Arecaceae	Angiosperm	5-7 kg
3	Mimusopselengi	Bakul/Spanish cherry	Sapotaceae	Angiosperm	20-25 kg
4	Ficusbenjamina	Ornamental ficus	Moraceae	Angiosperm	15-20 kg
5	Araucaria columnaris	Christmas tree	Araucariaceae	Gymnosperm	15-20 kg
6	Thuja golden L.	Cedars	Cupressaceae	Gymnosperm	8-12 kg
7	Zamia pygmaea	Zamia	Zamiaceae	Gymnosperm	3-5 kg
8	Bombaxceiba L.	Red Cotton tree	Malvaceae	Angiosperm	35-45 kg
9	Cycas revolute L.	Cycas	Cycadaceae	Gymnosperm	8-10 kg
10	Pongamiapinñata L.	Karanja	Fabaceae	Angiosperm	25-30 kg
11	Albiziasaman F. Muell	Rain tree	Fabaceae	Angiosperm	40-50 kg
12	Cassia siamea Lam.	Kashid	Fabaceae	Angiosperm	20-30 kg
13	Callistemon citrines	Miniature bottle brush	Myrtaceae	Angiosperm	5-8 kg
14	Tamarindusindica L.	Chinch	Fabaceae	Angiosperm	30-40 kg
15	Caesalpiniapulcherrima L.	Shankasur	Fabaceae	Angiosperm	10-15 kg
16	Alstoniascholaris L.	Saptaparni	Apocynaceae	Angiosperm	20-25 kg
17	Hamelia patens Jacq.	Firebush	Rubiaceae	Angiosperm	3-5 kg
18	Azadirachtaindica A. Juss.	Neem	Meliaceae	Angiosperm	35-45 kg
19	Ficusvariegata Blume.	Common Red Stem Fig	Moraceae	Angiosperm	20-25 kg
20	Bambusa bambos L.	Bamboo	Poaceae	Angiosperm	10-15 kg

Sr. No	Botanical Name	Local Name	Family	Group	Estimated Carbon Sequestration (kg/year)
21	Bambusa vulgaris Schrad.	Buddha bamboo	Poaceae	Angiosperm	12-18 kg
22	Gardenia gummifera L.f	Dikamali	Rubiaceae	Angiosperm	2-4 kg
23	Ficus benghalensis L.	Vad	Moraceae	Angiosperm	40-60 kg
24	Ficus religiosa L.	Pimpal	Moraceae	Angiosperm	35-45 kg
25	Cassia fistula L.	Bahava	Fabaceae	Angiosperm	20-25 kg
26	Cestrum diurnum L.	Chameli	Solanaceae	Angiosperm	3-5 kg
27	Tabernaemontanadivaricata R.Br	Tagar	Apocynaceae	Angiosperm	5-7 kg
28	Syzygiumcumini L.	Jambhul	Myrataceae	Angiosperm	30-40 kg
29	Artabotrys odoratissimus R.Br.	Hirvachapha	Annonaceae	Angiosperm	2-4 kg
30	Terminalia arjuna (Roxb.) Wight & Arn.	Arjun Tree	Cobretaceae	Angiosperm	30-40 kg
31	Manilkara zapota L.	Chikku	Sapotaceae	Angiosperm	10-15 kg
32	Prunus alba	Cherry tree	Rosaceae	Angiosperm	8-12 kg
33	Santalum album L.	Chandan	Santalaceae	Angiosperm	10-15 kg
34	Ficus carica L.	Anjir	Moraceae	Angiosperm	8-12 kg
35	Psidium guajava L.	Peru	Myrataceae	Angiosperm	12-18 kg
36	Calophyllum inophyllum L.	Balltree	Calophyllaceae	Angiosperm	10-15 kg
37	Ficus racemosa L.	Umbar	Moraceae	Angiosperm	25-35 kg
38	Justicia adhatoda L.	Adulsa	Acanthaceae	Angiosperm	2-4 kg
39	Caesalpinia bonduc (L.) Roxb	Sagargota	Fabaceae	Angiosperm	5-7 kg
40	Acacia concinna (Willd.) DC	Shikekai	Fabaceae	Angiosperm	8-12 kg
41	Lawsonia inermis L.	Mehendi	Lythraceae	Angiosperm	2-3 kg
42	Moringa oleifera Lam	Shevaga	Moringaceae	Angiosperm	8-10 kg
43	Salvadora persica L.	Miswak tree	Salvadoraceae	Angiosperm	5-8 kg
44	Murraya koenigii L.	Kadhipatta	Rutaceae	Angiosperm	3-5 kg
45	Tylophora indica R.Br.	Climber	Apocynaceae	Angiosperm	1-2 kg
46	Sapindus mukorossi Gaertn.	Ritha	Sapindaceae	Angiosperm	10-15 kg
47	Gmelina arborea Roxb.	Shivanvruksha	Lamiaceae	Angiosperm	15-20 kg
48	Asparagus racemosus Willd.	Shatavari	Asparagaceae	Angiosperm	1-2 kg
49	Ocimum sanctum L	Tulas	Lamiaceae	Angiosperm	1-2 kg
50	Aloe vera (L.) Burm.F	Korpad	Asphodelaceae	Angiosperm	1-2 kg
51	Annona squamosa L.	Sitaphal	Annonaceae	Angiosperm	8-12 kg
52	Ipomoea batatas L.	Sweet Potato	Convolvulaceae	Angiosperm	2-4 kg
53	Hibiscus rosa-sinensis L.	Jaswand	Malvaceae	Angiosperm	5-7 kg
54	Plumeria alba L.	Champa	Apocynaceae	Angiosperm	8-10 kg
55	Michelia champaca L.	Champa Tree	Magnoliaceae	Angiosperm	10-15 kg
56	Acacia nilotica L.	Babhul	Fabaceae	Angiosperm	20-25 kg
57	Sesbania grandiflora L.	Agathi	Fabaceae	Angiosperm	10-12 kg
58	Millettia pinnata (L.) Panigrahi	Indian Beech (Pongamia)	Fabaceae	Angiosperm	25-30 kg
59	Pongamia pinnata L.	Karanj	Fabaceae	Angiosperm	25-30 kg
60	Erythrina variegata L.	Indian Coral Tree	Fabaceae	Angiosperm	20-25 kg
61	Delonix regia L.	Gulmohar	Fabaceae	Angiosperm	20-30 kg

Sr. No	Botanical Name	Local Name	Family	Group	Estimated Carbon Sequestration (kg/year)
62	Bombax malabaricum DC	Semal (Red Silk Cotton)	Malvaceae	Angiosperm	35-45 kg
63	Bauhinia racemosa Lam.	Apta	Fabaceae	Angiosperm	10-15 kg
64	Bauhinia purpurea L.	Raktakanchan	Fabaceae	Angiosperm	12-18 kg
65	Psidium guajava L.	Guava	Myrtaceae	Angiosperm	12-18 kg
66	Anogeissus latifolia (Roxb.) Bedd.	Dhaora Tree	Combretaceae	Angiosperm	30-40 kg
67	Terminalia bellirica (Gaertn.) Roxb.	Behda	Combretaceae	Angiosperm	25-35 kg
68	Madhuca longifolia (J. Konig) MacBride	Mahua	Sapotaceae	Angiosperm	20-30 kg
69	Wrightia tinctoria (Roxb.) R. Br.	Indrajav	Apocynaceae	Angiosperm	8-10 kg
70	Saraca asoca (Roxb.) de Wilde	Ashoka	Fabaceae	Angiosperm	15-20 kg
71	Anthocephalus cadamba (Roxb.) Miq.	Kadamba	Rubiaceae	Angiosperm	35-45 kg
72	Lagerstroemia speciosa (L.) Pers.	Taman	Lythraceae	Angiosperm	15-20 kg
73	Tectona grandis L. f.	Teak	Lamiaceae	Angiosperm	40-50 kg
74	Shorea robusta C. F. Gaertn.	Sal	Dipterocarpaceae	Angiosperm	35-45 kg
75	Lannea coromandelica (Houtt.) Merr.	Moin	Anacardiaceae	Angiosperm	30-40 kg
76	Boswellia serrata Roxb. ex Colebr.	Salai	Burseraceae	Angiosperm	25-30 kg
77	Holoptelea integrifolia (Roxb.) Planch.	Indian Elm	Ulmaceae	Angiosperm	30-40 kg
78	Strychnos nux-vomica L.	Kuchla	Loganiaceae	Angiosperm	15-20 kg
79	Moringa oleifera Lam.	Drumstick	Moringaceae	Angiosperm	8-10 kg
80	Eucalyptus globulus Labill.	Nilgiri	Myrtaceae	Angiosperm	30-40 kg
81	Dalbergia sissoo Roxb. ex DC.	Shisham	Fabaceae	Angiosperm	35-45 kg
82	Ailanthus excelsa Roxb.	Maharukh	Simaroubaceae	Angiosperm	25-35 kg
83	Terminalia catappa L.	Indian Almond Tree	Combretaceae	Angiosperm	20-30 kg
84	Nyctanthes arbor-tristis L.	Parijat	Oleaceae	Angiosperm	8-10 kg
85	Morinda citrifolia L.	Noni Tree	Rubiaceae	Angiosperm	12-15 kg
86	Polyalthia longifolia (Sonn.) Thwaites	Ashoka Tree	Annonaceae	Angiosperm	12-18 kg
87	Pongamia pinnata (L.) Pierre	Indian Beech	Fabaceae	Angiosperm	25-30 kg
88	Melia azedarach L.	Persian Lilac	Meliaceae	Angiosperm	20-25 kg
89	Butea monosperma (Lam.) Taub.	Flame of the Forest	Fabaceae	Angiosperm	20-30 kg
90	Dalbergia latifolia Roxb.	Indian Rosewood	Fabaceae	Angiosperm	35-45 kg
91	Thespesia populnea (L.) Sol. ex Corrêa	Portia Tree	Malvaceae	Angiosperm	20-25 kg
92	Syzygium cumini (L.) Skeels	Jamun	Myrtaceae	Angiosperm	35-45 kg

Sr. No	Botanical Name	Local Name	Family	Group	Estimated Carbon Sequestration (kg/year)
93	Ficus benghalensis L.	Banyan Tree	Moraceae	Angiosperm	40-50 kg
94	Ficus religiosa L.	Peepal Tree	Moraceae	Angiosperm	40-50 kg
95	Ficus elastica Roxb. ex Hornem.	Rubber Plant	Moraceae	Angiosperm	25-35 kg
96	Grevillea robusta A.Cunn.	Silver Oak	Proteaceae	Angiosperm	30-40 kg
97	Gmelina arborea Roxb.	Gamhar	Lamiaceae	Angiosperm	25-35 kg
98	Azadirachta indica A. Juss.	Neem Tree	Meliaceae	Angiosperm	35-45 kg
99	Tamarindus indica L.	Imli	Fabaceae	Angiosperm	30-40 kg
100	Albizia lebbeck (L.) Benth.	Siris	Fabaceae	Angiosperm	30-40 kg
101	Artocarpus heterophyllus Lam.	Jackfruit	Moraceae	Angiosperm	35-45 kg
102	Mimusops elengi L.	Bakul	Sapotaceae	Angiosperm	20-25 kg
103	Terminalia arjuna (Roxb. ex DC.) Wight & Arn.	Arjun Tree	Combretaceae	Angiosperm	30-40 kg
104	Schleichera oleosa (Lour.) Oken	Kusum	Sapindaceae	Angiosperm	25-30 kg
105	Adansonia digitata L.	Baobab	Malvaceae	Angiosperm	30-40 kg
106	Ceiba pentandra (L.) Gaertn.	Kapok Tree	Malvaceae	Angiosperm	35-50 kg
107	Cordia dichotoma G.Forst.	Lasora	Boraginaceae	Angiosperm	20-25 kg
108	Kigelia africana (Lam.) Benth.	Sausage Tree	Bignoniaceae	Angiosperm	25-30 kg
109	Pterocarpus marsupium Roxb.	Indian Kino Tree	Fabaceae	Angiosperm	30-40 kg
110	Diospyros melanoxylon Roxb.	Tendu	Ebenaceae	Angiosperm	20-30 kg
111	Ficus racemosa L.	Cluster Fig (Gular)	Moraceae	Angiosperm	30-40 kg
112	Prosopis cineraria (L.) Druce	Khejri	Fabaceae	Angiosperm	25-30 kg
113	Saraca asoca (Roxb.) de Wilde	Ashoka	Fabaceae	Angiosperm	15-20 kg
114	Caryota urens L.	Fishtail Palm	Arecaceae	Angiosperm	12-15 kg
115	Arundinaria falcata Nees	Hill Bamboo	Poaceae	Angiosperm	15-20 kg
116	Borassus flabellifer L.	Palmyra Palm	Arecaceae	Angiosperm	20-30 kg
117	Cocos nucifera L.	Coconut Palm	Arecaceae	Angiosperm	25-35 kg
118	Phoenix sylvestris (L.) Roxb.	Wild Date Palm	Arecaceae	Angiosperm	20-25 kg
119	Musa paradisiaca L.	Banana	Musaceae	Angiosperm	8-12 kg
120	Caryota mitis Lour.	Cluster Fishtail Palm	Arecaceae	Angiosperm	15-20 kg
121	Areca catechu L.	Betel Nut Palm	Arecaceae	Angiosperm	15-20 kg
122	Bambusa vulgaris Schrad. ex J.C.Wendl.	Common Bamboo	Poaceae	Angiosperm	20-30 kg
123	Dendrocalamus strictus (Roxb.) Nees	Male Bamboo	Poaceae	Angiosperm	25-35 kg
124	Pandanus tectorius Parkinson	Screwpine	Pandanaceae	Angiosperm	10-15 kg
125	Musa acuminata Colla	Dwarf Banana	Musaceae	Angiosperm	8-12 kg

Sr. No	Botanical Name	Local Name	Family	Group	Estimated Carbon Sequestration (kg/year)
126	Borassus aethiopum Mart.	African Fan Palm	Arecaceae	Angiosperm	20-30 kg
127	Washingtonia robusta H.Wendl.	Mexican Fan Palm	Arecaceae	Angiosperm	25-30 kg
128	Livistona chinensis (Jacq.) R.Br. ex Mart.	Chinese Fan Palm	Arecaceae	Angiosperm	20-25 kg
129	Ravenala madagascariensis Sonn.	Traveler's Palm	Strelitziaceae	Angiosperm	25-30 kg
130	Phoenix dactylifera L.	Date Palm	Arecaceae	Angiosperm	30-40 kg
131	Butia capitata (Mart.) Becc.	Pindo Palm	Arecaceae	Angiosperm	20-25 kg
132	Carya illinoinensis (Wangenh.) K.Koch	Pecan	Juglandaceae	Angiosperm	35-45 kg
133	Elaeis guineensis Jacq.	African Oil Palm	Arecaceae	Angiosperm	30-40 kg
134	Acacia mangium Willd.	Mangium	Fabaceae	Angiosperm	25-30 kg
135	Melia azedarach L.	Chinaberry Tree	Meliaceae	Angiosperm	30-40 kg
136	Parkia biglobosa (Jacq.) R.Br. ex G.Don	African Locust Bean Tree	Fabaceae	Angiosperm	25-35 kg
137	Peltophorum pterocarpum (DC.) K.Heyne	Copperpod	Fabaceae	Angiosperm	30-40 kg
138	Pithecellobium dulce (Roxb.) Benth.	Manila Tamarind	Fabaceae	Angiosperm	20-30 kg
139	Pongamia pinnata (L.) Pierre	Indian Beech	Fabaceae	Angiosperm	25-35 kg
140	Sterculia foetida L.	Wild Almond Tree	Malvaceae	Angiosperm	30-40 kg
141	Swietenia mahagoni (L.) Jacq.	Mahogany	Meliaceae	Angiosperm	35-45 kg
142	Tabebuia rosea (Bertol.) DC.	Rosy Trumpet Tree	Bignoniaceae	Angiosperm	25-35 kg
143	Terminalia bellirica (Gaertn.) Roxb.	Baheda	Combretaceae	Angiosperm	30-40 kg
144	Terminalia catappa L.	Indian Almond	Combretaceae	Angiosperm	30-40 kg
145	Tectona grandis L.f.	Teak	Lamiaceae	Angiosperm	40-50 kg
146	Lagerstroemia speciosa (L.) Pers.	Pride of India	Lythraceae	Angiosperm	30-40 kg
147	Anogeissus latifolia (Roxb. ex DC.) Wall. ex Guill. & Perr.	Axlewood	Combretaceae	Angiosperm	30-40 kg
148	Calophyllum inophyllum L.	Alexandrian Laurel	Calophyllaceae	Angiosperm	25-35 kg
149	Celtis australis L.	European Nettle Tree	Cannabaceae	Angiosperm	20-30 kg
150	Holoptelea integrifolia (Roxb.) Planch.	Indian Elm	Ulmaceae	Angiosperm	25-35 kg
Total					3-4 Tonnes per year

Tree Species and SO_2 Sequestration Potential

1. **Pongamia pinnata (Indian Beech)**
    - **Potential SO_2 sequestration:** 20-25 kg/year
2. **Terminalia catappa (Indian Almond)**
    - **Potential SO_2 sequestration:** 15-20 kg/year
3. **Tectona grandis (Teak)**
    - **Potential SO_2 sequestration:** 10-15 kg/year
4. **Swietenia mahagoni (Mahogany)**
    - **Potential SO_2 sequestration:** 18-22 kg/year
5. **Peltophorum pterocarpum (Copperpod)**
    - **Potential SO_2 sequestration:** 12-18 kg/year
6. **Tabebuia rosea (Rosy Trumpet Tree)**
    - **Potential SO_2 sequestration:** 10-12 kg/year

8.2 Vermicomposting Plant

Vermicomposting (or vermi-compost) is the product of the composting process using various species of worms, usually red wigglers, white worms, and other earthworms, to create a mixture of decomposing vegetable or food waste, bedding materials, and vermicast.

Vermicast (also called worm castings, worm humus, worm manure, or worm feces) is the end-product of the breakdown of organic matter by earthworms. These castings have been shown to contain reduced levels of contaminants and a higher saturation of nutrients than the organic materials before vermicomposting.

Vermicomposting contains water-soluble nutrients and is an excellent, nutrient-rich organic fertilizer and soil conditioner. It is used in farming and small scale sustainable, organic farming.

Vermicomposting can also be applied for treatment of sewage sludge. Furthermore, a variation of the process is vermifiltration (or vermidigestion) which is used to remove organic matter, pathogens and oxygen demand from wastewater or directly from blackwater of flush toilets

College has vermicompost plant with following specifications

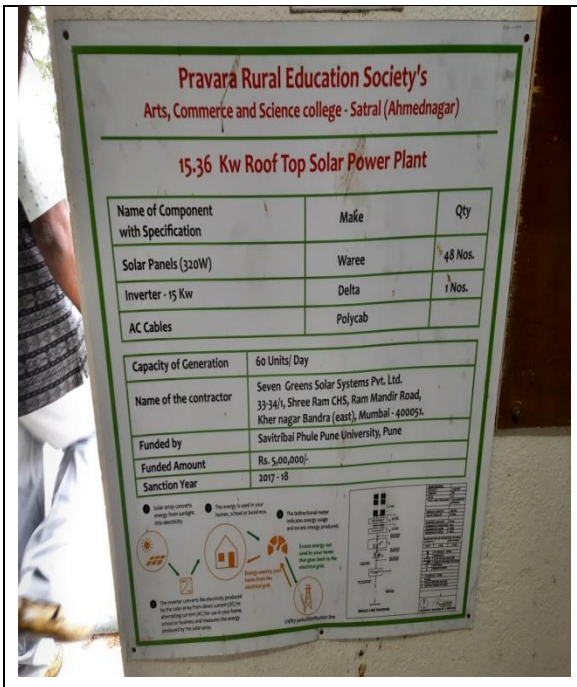
- Pit Size = 8’ X 4’ X 3’
- Total Area = 576 Sq.ft

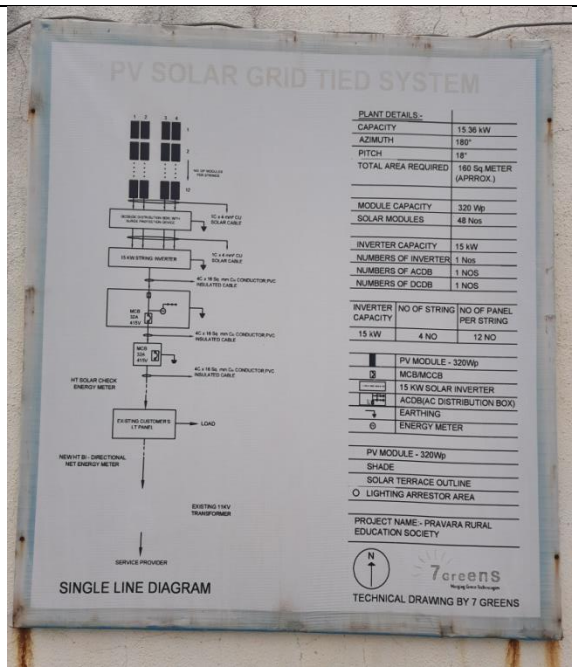
Green waste such as dung, grass, etc. has been used for this plant. Period of approximate 2 months is required for generation of vermicompost. Around 2.5 Tons of vermicompost is generated from this plant

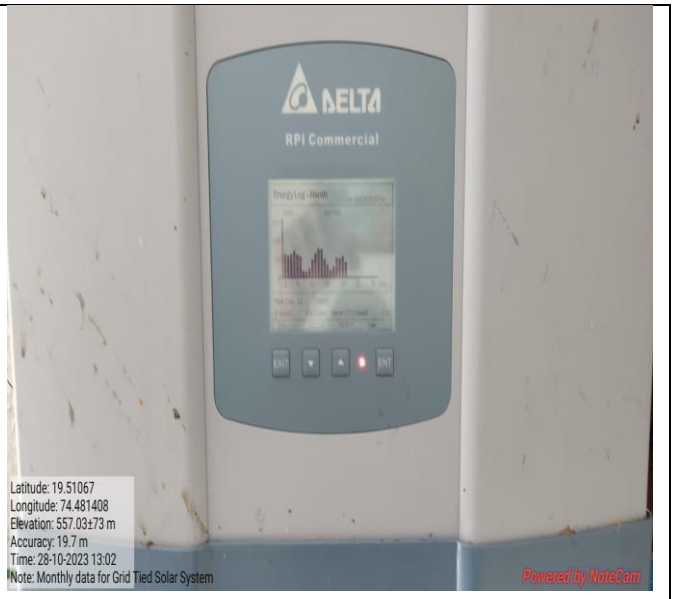
Following are the some actual images of vermicomposting plant

8.3 Solar PV System

The college had installed 15.36 kW Rooftop Solar PV System in July 2018. Per month unit generation has been listed below.

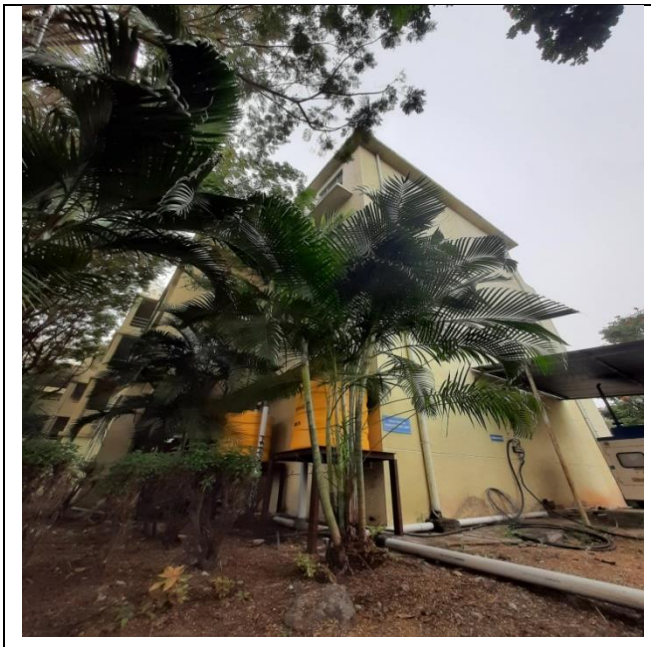


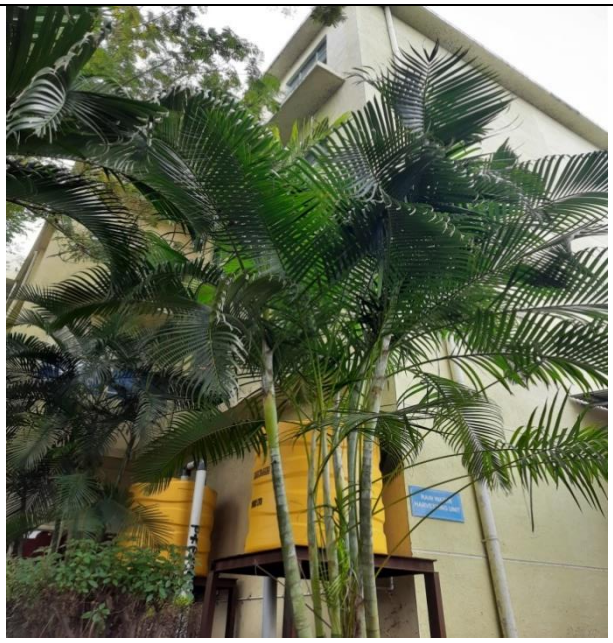




8.4 Rain Water Harvesting

The College successfully installed and run the “Rain Water Harvesting System”. Currently the have total 3 tanks to store the rain water. One is installed near the chemistry lab which used this water in their laboratory. Other two tanks are installed near to Main Building having capacities of 1500 liters each, overflow of water then transferred to nearby well by 4 inch underground pipeline to refilling ground-water

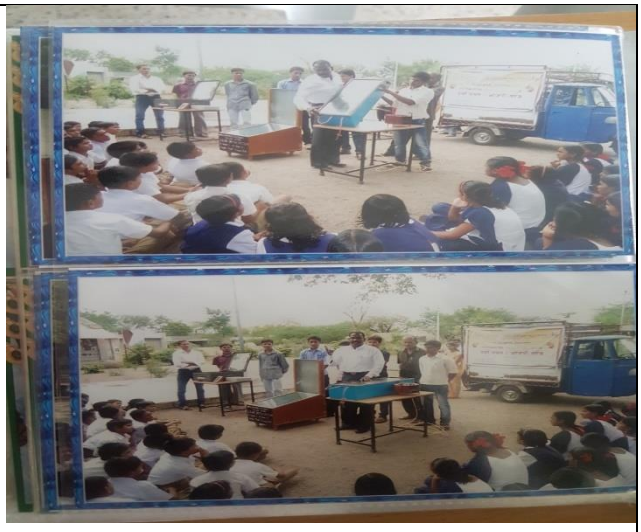




8.5 Awareness of Renewable Energy

College has been taking efforts to create the awareness of solar energy among the students and in nearby villages. Department of Physics organized seminars, workshops, rallies to promote the benefits of solar energy. A department has some own solar equipment's such as solar cooker, solar lamp, etc. for practical purpose.

Following are some images showing initiative taken by college to create the awareness of renewable energy such as solar, biogas, etc.



8.6 LED Lighting System

The college has 100 % LED Lighting in the campus. This is good initiative by college towards conservation of energy

9 Scope for Improvement

9.1 Liquid Waste Management

The proper disposal of liquid waste is a must in order to maintain a good human and animal health. Because liquid waste has a high amount of dangerous compounds such as salts and metals, it is important for companies to get rid of it in a timely manner. Industrial wastes, including dangerous and hazardous liquids, can be disposed of by using a wide variety of techniques and methods.

Present Condition

There is an improvement opportunity for college. Sewage treatment facility can be provided to re-use the waste water for applications other than drinking. It is recommended that to make standard operating procedure (SOP) for disposal of chemicals which has been used in laboratories for practical purpose
Following details are given for guidance to dispose the laboratory chemical waste

Solution

Disposal Procedures for Laboratory Chemicals

It is the clear responsibility of all research workers to ensure the safe and correct disposal of all wastes produced in the course of their work. Improper and irresponsible disposal of chemical wastes down drains, to the Local Authority refuse collection, or into the atmosphere is forbidden by law.

Wash down drains with excess water

- Concentrated and dilute acids and alkalis
- Harmless soluble inorganic salts (including all drying agents such as CaCl2, MgSO4, Na2SO4, P2O5)
- Alcohols containing salts (e.g. from destroying sodium)
- Hypochlorite solutions from destroying cyanids, phosphines, etc.
- Fine (tlc grade) silica and alumina

It should be noted in particular that no material on the "Red List" should ever be washed down a drain. This list is as follows:

- compounds of the following elements:- antimony, arsenic, barium, beryllium, boron, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, tellurium, thallium, tin, titanium, uranium, vanadium and zinc.
- organ halogen, organophosphorus or organonitrogen pesticides, triazine herbicides, any other biocides.
- cyanides
- mineral oils and hydrocarbons
- poisonous organosilicon compounds, metal phosphides and phosphorus element
- fluorides and nitrites

Incineration (Solvent Waste collection)

- all organic solvents including water miscible ones
- soluble organic waste including most organic solids
- paraffin and mineral oil (from oil baths and pumps)

Laboratory waste bins and controlled waste

All waste suitable for the Local Authority refuse collection, except recyclable paper and glass, is termed 'controlled waste'. Items in this category which includes dirty paper, plastic, rubber and wood, should generally be placed in the waste bins available in each laboratory and will be collected by the cleaners. However, each laboratory must also have a container for certain items which are not allowed to be put in the normal waste bins. In this special controlled waste container should be put:- all broken laboratory glassware, any sharp objects of metal or glass, all fine powders (preferably inside a bottle or jar) and dirty sample tubes or other items lightly contaminated with chemicals (but not any syringes or needles). Laboratory controlled waste containers must be emptied regularly and never allowed to overflow. Under no circumstances must any item of glass, sharp metal or fine powder ever be put in a normal laboratory waste bin. The tops must be removed from all bottles put out for disposal and there should be no detectable smell of chemicals from any bottle put for disposal.

For more information, please visit

https://www.standrews.ac.uk/staff/policy/healthandsafety/publications/waste/waste-disposaloflaboratorywastesguidance/

9.2 E Waste Management

Electronic waste or e-waste describes discarded electrical or electronic devices. Used electronics which are destined for reuse, resale, salvage, recycling, or disposal are also considered e-waste.

Informal processing of e-waste in developing countries can lead to adverse human health effects and environmental pollution.

Electronic scrap components, such as CPUs, contain potentially harmful components such as lead, cadmium, beryllium, or brominated flame retardants. Recycling and disposal of e-waste may involve significant risk to health of workers and communities in developed countries and great care must be taken to avoid unsafe exposure in recycling operations and leaking of materials such as heavy metals from landfills and incinerator ashes.

College need to have E-waste management policy and all the E-waste disposals generated in the college campus should be disposed/ reuse as per standard procedures/norms

The environmental impact of the processing of different electronic waste components

E-Waste Component	Process Used	Potential Environmental Hazard
Cathode ray tubes (used in TVs, computer monitors, ATM, video cameras, and more)	Breaking and removal of yoke, then dumping	Lead, barium and other heavy metals leaching into the ground water and release of toxic phosphor
Printed circuit board (image behind table – a thin plate on which chips and other electronic components are placed)	De-soldering and removal of computer chips; open burning and acid baths to remove metals after chips are removed.	Air emissions and discharge into rivers of glass dust, tin, lead, brominated dioxin, beryllium cadmium, and mercury
Chips and other gold plated components	Chemical stripping using nitric and hydrochloric acid and burning of chips	PAHs, heavy metals, brominated flame retardants discharged directly into rivers acidifying fish and flora. Tin and lead contamination of surface and groundwater. Air emissions of brominated dioxins, heavy metals, and PAHs
Plastics from printers, keyboards, monitors, etc.	Shredding and low temp melting to be reused	Emissions of brominated dioxins, heavy metals, and hydrocarbons
Computer wires	Open burning and stripping to remove copper	PAHs released into air, water, and soil.

Action Taken Report and Achievement Report for Clean and Green Campus Initiatives

Action taken report and Achievement Report for Clean and Green Campus Initiatives

Our college has taken several measures to make the campus green and neat and clean as well the measures are discussed as below.

Introduction:

College is well aware about the environmental issues like pollution, climate change, greenhouse effect, depletion of natural resources, etc. In present times it has become imperative to plan meticulously to make people aware about these issues and to undertake necessary measures. In the practical field and thereby to address sustainable development. With a view to inculcate Sustainable and model practices in young minds and to apply them into action, our college has Effectively implemented the following measures.

Campus Greenery:

College has been organizing Cleanliness Drive regularly in association with the NSS units on different occasions like World Environment Day, Earth Day and during the special functions Organized in the institute. Plantation Drives have also been organized time to time in and around the campus in which students and staff members participate with great enthusiasm. Green Campus initiatives by the institute includes Water Conservation, Tree Plantation, Waste Management, and Alternative Energy.

Conduction of Green Audit:

With an object of sustainable development of green resources, our college audit the campus with the help of POWERTECH ENERRGY SOLUTIONS, Nashik.

Conduction of Energy Audit:

With an object of sustainable development of energy resources, college audits to evaluate the energy efficiency inside the campus with the help of POWERTECH ENERRGY SOLUTIONS, Nashik.

Cleaning the College Campus:

NSS volunteers of the college clean the college campus frequently as a part of their Regular Activities. On the occasion of World Environment Day, our college celebrates "Campus Cleaning Day". Our college maintains a clean and concrete drainage system and Rain Water Harvesting management with a concrete outer drain to ensure no water stagnation. A big water reservoir is also there for the purpose of rain water storing and subsequently for harvesting in watering the

garden and overflowed water is released via concrete drain connected to the community's pond. The students are made Aware by writing slogans on Energy Conservation, Water conservation, Conservation of Greenery etc. and placing them within the campus.

Plastic Free Campus:

Various measures have been taken to make the campus plastic free. The college canteen has been instructed to use only bio-degradable cups and plates and to use separate bins with a view to dump bio-degradable and non-bio-degradable wastes separately.

Solid Waste Management:

The college staff members and students are highly motivated and influenced with "Swachh Bharat Abhiyan" run by the Govt. of India. The college administration continuously takes various actions to make campus clean, and to make greenery at all the places. Number of dustbins have been placed in the college building lawn and class rooms for dry and wet garbage. All staff members and students are guided to put the waste material in dustbins. The college sweepers are also strictly guided for cleanliness. The college has policy towards solid waste management to maintain the environment healthy and clean.

Use of Solar Panel and LED Lamps: solar panels are installed on rooftop of College Building for use of solar energy. All the florescent bulbs and CFL bulbs have been replaced with LEDs for minimum usage of electricity also appliances are energy efficient. The students are advised to switch-off all electrical appliances when not in use.

Sensitization of the students and the faculty: Various sensitization program on energy conservation, water conservation, environment pollution, solid hazards management, environmental degradation etc. are organized in collaboration with the NSS Units of the college.

Observance of World Environment Day, Earth Day, Non-vehicle day: Every year Green Committee and NSS Units of the college celebrate World Environment Day on 5th June, Earth Day on 22nd April, Plantation Day on 21 March, and Non-Vehicle Day etc. throughout the year. Staff and students mainly play a pivotal role in plantation throughout the year inside as well as outside of the college campus.

Arts, Commerce & Science College ACSC SATRAL Tal. Rahuri, Dist. Ahmednagar

PRINCIPAL
Arts,Commerce and Science
College,Satral,Tal.Rahuri
Dist.Ahmednagar,413711

Green Campus Initiative

Campus Cleaning Activities:

Photograph of Campus Cleaning Date:24/11/2021

Cleanliness Program on Mahatma Gandhi Anniversary Date:10/03/2022

Cleanliness program on Mahatma Gandhi Anniversary Date:10/03/2022

Collection and Use of Biodegradable Solid Waste for Vermicomposting Date:13/01/2023

Solar PV System Date:10/02/2023

Use of LED Bulbs Date:03/12/2023

Water conservation

Collection of Rain Water from Roof Top Date:08/02/2023

Photo:Rain Water Harvesting Date:15/10/2022

Solid Waste Management

Photo: Dustbins for Trash Date:15/03/2023

Collection of Solid Waste by Gram Panchayat Date:19/07/2023

Glassware Waste Collection Tank Date:13/25/2021

Waste Recycling System: Vermi-composting Unit Date:15/10/2022

Restricted entry for vehicles:

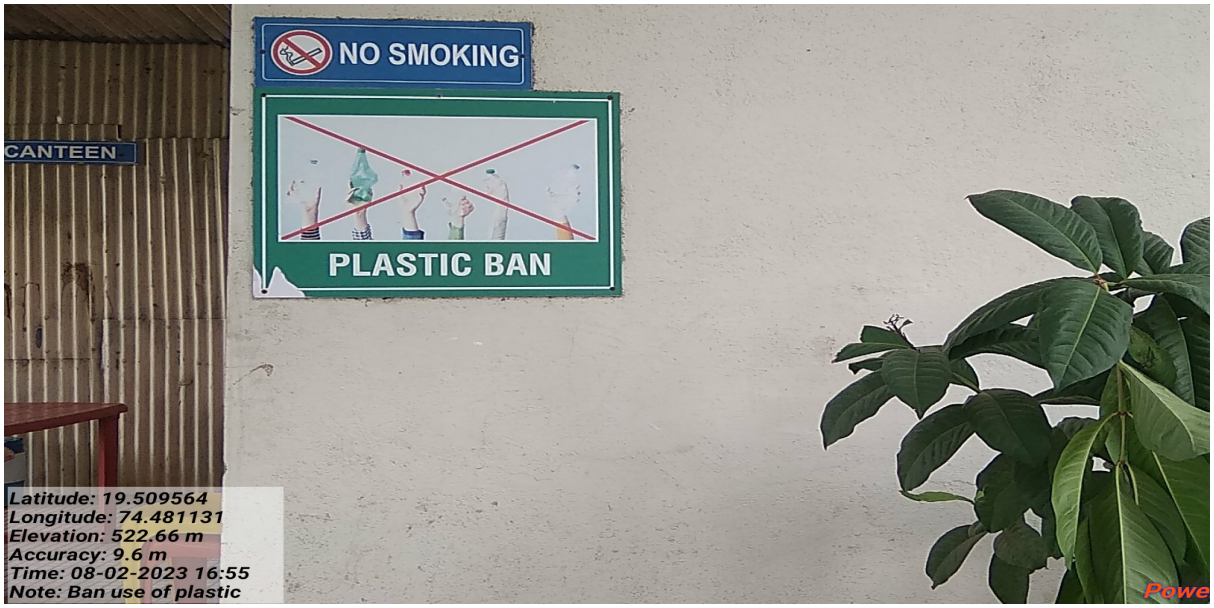
- All employees and students must park their vehicles in designated parking areas only.
- The college encourages employees and students to use public transport, bicycles, battery-powered vehicles, and carpooling to reduce air pollution.

Photo: Restricted entry for vehicles Date:07-18-2022

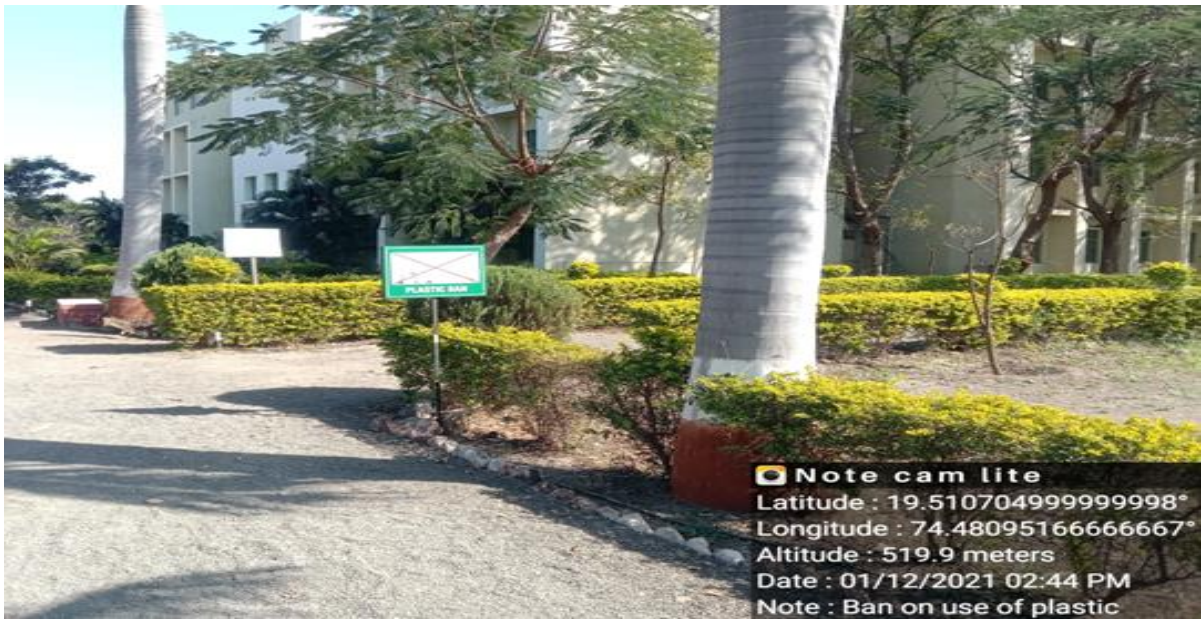
Photo: No vehicle day Date:02-12-2022

Ban use of plastic:

Plastic bags, cups, and glasses are prohibited on the college campus and in the canteen. In their place, paper bags and cups are provided, and dustbins are strategically placed for disposing of used paper cups and cones.



Signage Board of Plastic Ban in Canteen Date:08/02/2023



Signage Board for plastic free campus Date:01/12/2021

Use of bicycles and battery powered vehicles:

The use of bicycles and battery-powered vehicles is growing rapidly due to their environmental benefits, cost-effectiveness, and convenience.

Felicitation of staff and student to use of E-Bikes Date:05/05/2022

Photo:Parking Facility for Bicycle and E-Bike Date:07/12/2021

Tree Plantation in campus:

Trees are essential for life. They give us oxygen, clean the air, stop soil from washing away, and keep nature balanced. Trees also provide food and shelter. Picking the right trees for a campus is important because more tree cover can make the area cooler. Trees give shade to people and buildings, which helps reduce heat and cuts down on the need for air conditioning.

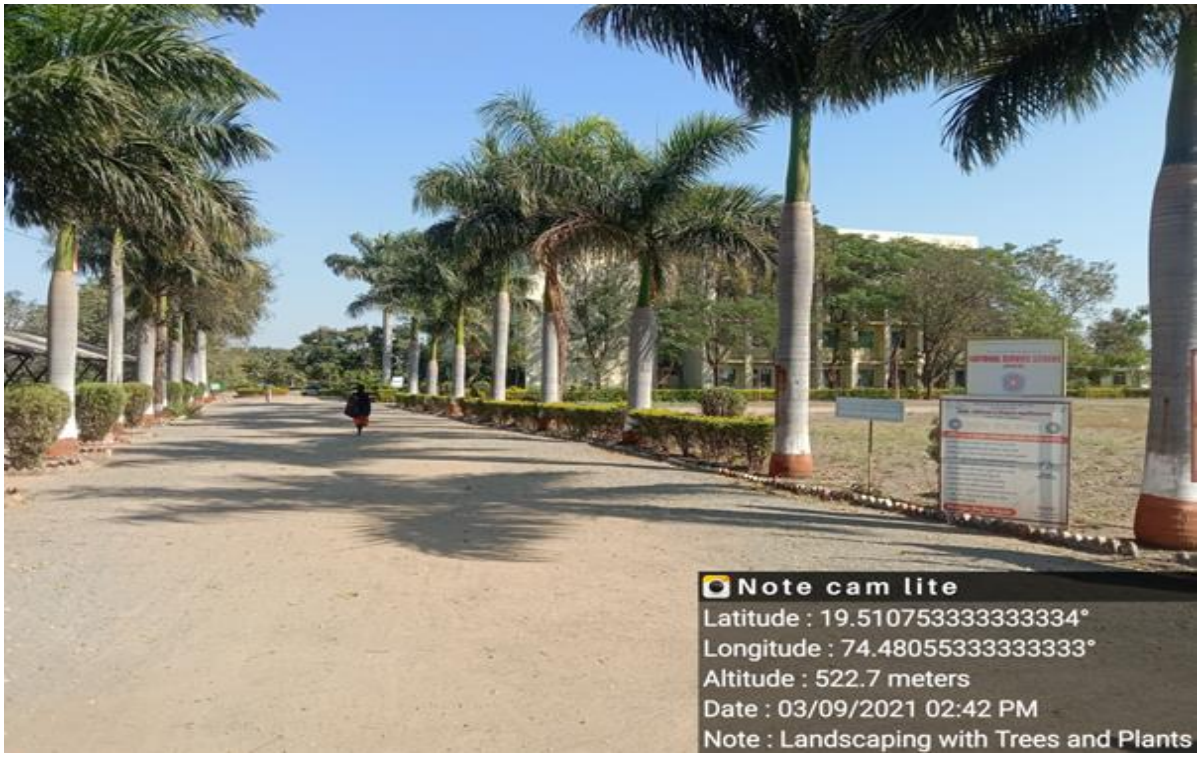
Tree planation on Jalshakti Abhiyan Date:30/07/2019

Tree plantation in nearby villages Date:06/01/2023

Photo: Plantation of medicinal Plants Date; 01/10/2021i

Tree planation by Green club Date 09/06/2023

Landscaping with Trees:



Tree Landscaping -Main gate Date;03/09/2021

Tree Landscaping in front of main building Date:01/12/2021

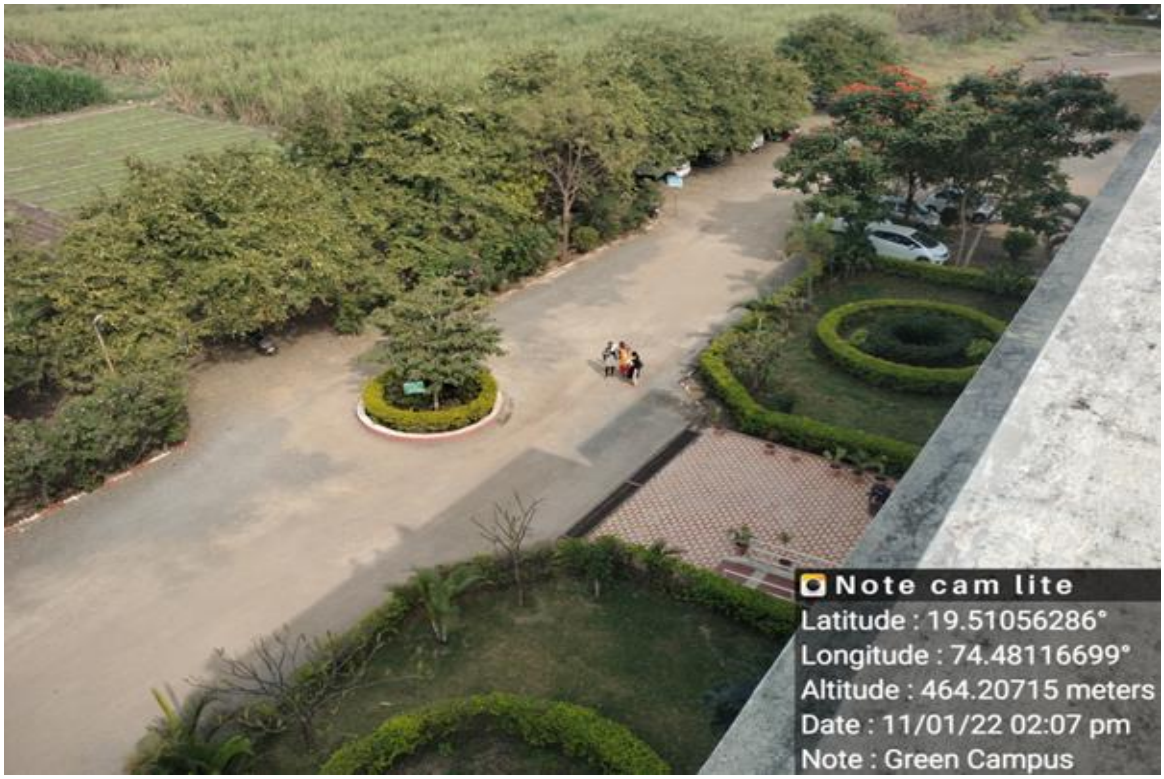
Tree Landscaping Surrounding area of Ground Date:03/09/2021

Tree Landscaping around main Building Date:01/12/2021

Tree Landscaping- Around Main Building Date:01/12/2021

Tree Landscaping in Main Entry Road of College Date:03/09/2021

Green Campus:



Green Campus- In front of main building Date:11/01/2022

Green Campus -Main Entrance Date:11/10/2022

Green Campus- Ground Area Date:11/01/2022

Green Campus-Botanical Garden Date:03/02/2023

Pravara Rural Education Society's

Arts, Commerce and Science College, Satral

Tal. Rahuri, Dist. Ahmednagar- 413711

Affiliated to Savitribai Phule Pune University, Pune.

Self-Study Report: 2024 (3rd Cycle)

Criterion-7

Institutional Values and Best Practices

Key Indicator: 7.1

Institutional Values and Social Responsibilities

Metric: 7.1.3 (QnM)

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following 1. Green audit / Environment audit 2. Energy audit 3. Clean and green campus initiatives 4. Beyond the campus environmental promotion activities

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL BENGALURU

Index

1. Solar Energy Awareness Extension Activity (Dhanore Village)

LOKNETE DR BALASAHEB VIKHE PATIIL (PADMA BHUSHAN AWARDEE),

PRAVARA RURAL EDUCATION SOCIETY'S

ARTS, COMMERCE AND SCIENCE COLLEGE, SATRAL

DEPARTMENT OF PHYSICS

SOLAR ENERGY AWARNESS PROGRAM IN NEARBY SCHOOLS & VILLAGES

(Outreach/Extention Activity)

(Academic Year 2022-23)

Place : Dhanore Village **Date:** Saturday, 07th Jan 2023

INDEX

Art's,Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

Permission Letter

Date: 02/01/2023

To,

The Principal,

Arts, Commerce and Science College, Satral.

Tal- Rahuri, Dist- Ahmednagar.

Subject: Permission to conduct **"Solar Energy Awareness"** outreach activity in Dhanore Village

Respected Sir,

The Department of Physics is dedicated to educating communities about the importance of renewable and solar energy. We believe that by engaging with schools and villages in our periphery, we can make a significant impact on raising energy awareness. The proposed outreach activity will include live demonstrations of solar energy-based equipment. We intend to stay in touch with local schools and community leaders to ensure that this activity aligns with the needs and interests of the target audience.

We kindly request your permission to conduct this outreach activity in Dhanore village for school students and villagers on Saturday 07th Jan 2023. Thank you in advance.

02/01/2023

Dr. N. S. Kanhe

Assistant Professor &

Department of Physics

Head Department of Physics

Arts, Commerce & Science College, Satral

Permitted

Student Notice

Date: 03/01/2023

The Department of Physics hereby informs you that we are going to conduct a Solar Energy Awareness outreach activity in Dhanore Village on Saturday 07th Jan 2023. The proposed outreach activity will feature live demonstrations of solar energy-based equipment for both school children and villagers. Interested students will have the opportunity to work as volunteers and demonstrators for this activity.

Those students who are interested are requested to contact the Head of the Department of Physics within two days from the date of this notice. Our department staff will provide guidance for the preparation of demonstration models and other relevant information.

Note: Interested students (as a volunteers) are requested to gather in the department of Physics on Wednesday, 4th Jan 2023 at 10.00 am.

03/01/2023

H.O.D.
Department of Physics
Arts,Commerce & Science College,Satral.

PRINCIPAL
Arts,Commerce and Science
College,Satral,Tal.Rahuri
Dist.Ahmednagar,413711

LOKNETE DR BALASAHEB VIKHE PATIIL (PADMA BHUSHAN AWARDEE),

PRAVARA RURAL EDUCATION SOCIETY'S

ARTS , COMMERCE AND SCIENCE COLLEGE, SATRAL

DEPARTMENT OF PHYSICS

Solar Energy Awarness Program in Nearby Schools & Villages

(Outreach/Extention Activity)

Introduction:

The sun is continuously releasing solar radiation, some of which will eventually reach the earth. We make use of this solar energy in a number of different ways. It helps to support day to day life, can generate electricity and can even heat our water. Why solar energy is most important natural energy sources available to our earth?

1. **Solar energy is good for the environment:** Unlike fossil fuels, solar energy doesn't produce any greenhouse gases or carbon emissions like methane, nitrous oxide, carbon dioxide, etc. Therefore, it is much better for the environment and can help to reduce pollution.
2. **The Sun is renewable:** The Sun is renewable energy source and we can continue to use it day after day.
3. **Solar power can improve energy security:** By using more solar energy, a country can help to increase its energy security.
4. **The solar energy industry creates jobs:** The solar energy industry has a potential to give large number of jobs all over the world.
5. **Solar energy has different uses:** Along with electricity generation solar energy can be used for heating water, cooking, drying, solar water pump, solar fan etc.
6. **It can reduce your energy bills:** Solar energy has the potential to reduce or even eliminate your energy bills. This is the key reason why many homeowners and farmers have opted to install solar energy systems.
7. **Solar technology offers a return on investment:** Both solar electricity and solar based equipments are capable of offering a return on investment (ROI) over their lifetime.
8. **The sun has many other natural benefits:** The sun supports life on earth in many different ways. It helps to grow our crops in order to provide food, supports the habitats of many living creatures and also provides light and warmth, helping us to see and stay warm.

Arts,Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

P.T.O.

LOKNETE DR BALASAHEB VIKHE PATIIL (PADMA BHUSHAN AWARDEE),
PRAVARA RURAL EDUCATION SOCIETY'S

ARTS, COMMERCE AND SCIENCE COLLEGE, SATRAL

DEPARTMENT OF PHYSICS

ACTIVITY REPORT

Solar Energy Awareness Outreach Activity, Dhanore

(Saturday 07th Jan 2023)

The Department of Physics organized a solar energy awareness program different schools located near Dhanore village on Saturday 07th January 2023. The activity aimed to educate school students and villagers about the significance of solar energy.

Mrs. M. R. Jejurkar, staff department of Physics, ACS College Satral commenced the event with an informative session on the importance of solar energy awareness, emphasizing its benefits and the necessity of adopting sustainable energy solutions. He also highlighted the environmental sustainability and pollution control benefits of using solar energy. Thus this extension activity, emphasized sustainable practices and environmental protection. Following Mrs. Jejurkar's introduction, the volunteers demonstrated various solar-powered devices, including a solar fan, a solar water pump. These demonstrations provided practical insights into how solar energy can be harnessed for everyday use. The volunteers ensured an interactive learning experience by addressing the students' and villagers' questions and clarifying their doubts.

Two staff members, accompanied by eleven volunteers, actively participated in the activity. 105 students from 6th to 8th classes of ST. Padre PIO English Medium School attended the program, gaining valuable knowledge about solar energy and its applications. The initiative successfully engaged the students, fostering a deeper understanding and appreciation for renewable energy sources. The program was well-received and made a significant impact on both the students and villagers of dhanore, Satral and Songaon.

Programme Officer
National Service Scheme
Art's,Commerce And Science College
Satral,Tal.Rahuri,Dist.Ahmednagar.

Arts, Commerce & Science College, Tal.Rahuri, Dist.A'Nagar, Satral

H.O.D.
Department of Physics
Arts,Commerce & Science College,Sat

PRINCIPAL
Arts,Commerce and Science
College,Satral,Tal.Rahuri
Dist.Ahmednagar,413711

LOKNETE DR BALASAHEB VIKHE PATIIL (PADMA BHUSHAN AWARDEE),
PRAVARA RURAL EDUCATION SOCIETY'S

ARTS, COMMERCE AND SCIENCE COLLEGE, SATRAL

DEPARTMENT OF PHYSICS

ACTIVITY PHOTOGRAPHS

Solar Energy Awareness Outreach Activity, Dhanore

(Saturday 07th Jan 2023)

Photo: Happy girl students during the live demonstration of solar kit Date: 07/01/2023

Photo: Mrs. M.Jejurkar, Department of Physics, ACS College Satral demonstrating solar energy conversion into sound, light & mechanical energy to the students. Date:07/01/2023

Art's,Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

LOKNETE DR BALASAHEB VIKHE PATIIL (PADMA BHUSHAN AWARDEE),
PRAVARA RURAL EDUCATION SOCIETY'S

ARTS, COMMERCE AND SCIENCE COLLEGE, SATRAL

DEPARTMENT OF PHYSICS

ACTIVITY PHOTOGRAPHS

Solar Energy Awareness Outreach Activity, Dhanore

(Saturday 07th Jan 2023)

Photo: Mrs. M. Jejurkar, Department of Physics, ACS College Satral demonstrating solar energy conversion into sound, light & mechanical energy to the students. Date:07/01/2023

Photo:school students handling the solar energy kit and see how solar energy converted into light, sound and mechanical energy. Date:07/01/2023

Programme Officer
National Service Scheme
Art's,Commerce And Science College
Satral,Tal.Rahuri,Dist.Ahmednagar.

Arts, Commerce & Science College Satral Tal.Rahuri, Dist.A'Nagar

H.O.D.
Department of Physics
Arts,Commerce & Science College,Sat

PRINCIPAL
Arts,Commerce and Science
College,Satral,Tal.Rahuri
Dist.Ahmednagar,413711

LOKNETE DR BALASAHEB VIKHE PATIIL (PADMA BHUSHAN AWARDEE),
PRAVARA RURAL EDUCATION SOCIETY'S

ARTS, COMMERCE AND SCIENCE COLLEGE, SATRAL

DEPARTMENT OF PHYSICS

STAFF/VOLUNTEERS ATTENDANCE

Solar Energy Awareness Outreach Activity, Dhanore

(Saturday 07th Jan 2023)

Sr.No.	Staff/ Volunteer's Name	Signature
1.	Mr. Rajdeo B.U (Physics)	
2.	Ms. Tejurkar M.R. (physics)	
3.	Dr. Kardile N.S. (HOD physics)	
4.	Shinde priyanka Balasaheb	Shinde P.B.
5.	Shirsath Abhijeet G.	
6.	Bhagwat Suvarna Suresh	Bhagwat.SS
7.	Shinde Lalit Sarjerao	Shinde
8.	Tajane Arti Pravin	Tajane A.
9.	Sonawane Dhanashree Rajendra	Sonawane D.
10.	Belkar komal Changdev	Belkar
11.	Waghchoure Prajakta Gokul.	Wpg
12.	Kote Tejaswini Bharat	Kote T.
13.	Anap Rushikesh Ramesh	Anap
14.		
15.		

H.O.D.
Department of Physics
Arts,Commerce & Science College,Satral.

Arts, Commerce & Science College, Tal.Rahuri, Dist.A'Nagar, Satral

PRINCIPAL
Arts,Commerce and Science
College,Satral,Tal.Rahuri
Dist.Ahmednagar,413711

Loknete Dr. Balasaheb Vikhe Patil (Padma Bhushan Awardee) Pravara Rural Education Society's

ARTS COMMERCE AND SCIENCE COLLEGE SATRAL

DEPARTMENT OF PHYSICS

(EXTENSION ACTIVITY-2022-23)

SOLAR ENERGY AWARENESS IN NEARBY VILLAGE AND SCHOOLS

Attendance Sheet 07 Jan 2023

Sr. No.	Name of the Student	Class	Signature
1	Anap Ankalp prasad	6th A	
2	Kartik vijay Bramhane	6th A	
3	Viraj Sandip Gaikwad.	6th A	
4	Aryan pravin Gholap	6th A	
5	Gite Abhishek Sandeep	6th A	
6	Omkar Sandip Wadu	6th A	
7	Siddhesh Kahar Krishna	6th A	
8	Pradnyesh Kharat	6th A	
9	Jayesh Suchit Mair	6th A	
10	Rudra Amol Malve	6th A	
11	Shreyash Sandip Malavade	6th A	
12	Jay Subhash Muntode	6th A	
13	Satyam Namdev nagare	6th A	
14	Soham Sujay panvat	6th A	
15	Swaraj Gopal Patil	6th A	
16	Dhananjay Suresh Patole	6th A	D.S. Patole
17	Sai Ramana Sable	6th A	
18	Krutadnya Bhausaheb Sangle	6th A	
19	Shivaip Kaibs Satpute	6th A	
20	Farhan Faiyaj Shaikh	6th A	
21	Hanjala Bilal Shaikh	6th A	Hanjala
22	Shaikh Saad nasiruddin	6th A	
23	Wavhare Vipul Ramesh	6th A	
24	Sarthak Kishor Wadage	6th A	Sarthak
25	Sai Somnath Wanad	6th A	
26	Andhale Switi Dilip	6th A	
27	Sayali Sagar Gagare	6th A	Sayali
28	Gholap Siddhi Sandi	6th A	Gholap.
29	Ishwari Bhausaheb Kadu.	6th A	
30	Kadu Priyal Kishor	6th A	
31	Kada Shravani Nitin	6th A	
32	Mansi Amol Waghade	6th A	
33	Omshri Ganesh Mahe	6th A	
34	Pannaar Pavadhana vishal	6th A	
35	Dhanashree Subhash Rohade	6th A	Dhanu
36	Mahima Balasaheb Tambe		MBTambe
37	Waghmare Ankita Anil		Ankita
38	Waghmare Shravani Prasad		Waghmare S.W

H.O.D.
Department of Physics
Arts, Commerce & Science College, S

Loknete Dr. Balasaheb Vikhe Patil (Padma Bhushan Awardee) Pravara Rural Education Society's

ARTS COMMERCE AND SCIENCE COLLEGE SATRAL

DEPARTMENT OF PHYSICS

(EXTENSION ACTIVITY-2022-23)

SOLAR ENERGY AWARENESS IN NEARBY VILLAGE AND SCHOOLS

Attendance Sheet 07 Jan 2023

Sr. No.	Name of the Student	Class	Signature
1	VIKAS KIRAN Abhale	7th	
2	Samarth Babasaheb Ahire	7th	
3	Shriram Sharadchandra Bangarwa	7th	
4	Harshal Rajendra Borale	7	
5	Bramhane Sahil Kailas	7	
6	Brahmane Yash Sanjay	7	
7	Dighe Sai Rajendra	7	
8	Harshvardhan Prashant gholap	7	
9	Sai Avinash GHolap	7	
10	Shlok Tushar Gite	7	
11	Sai Santosh Jogdekar	7	
12	Ajinkay Ram Kotkar	7	
13	Yash Bhausaheb Nangare	7	
14	Soham Anil Nalkar	7	
15	Mayur Sachin Palghadmal	7	
16	Tejas Ramdas Parvat	7	
17	Shivsai Khanderao Sable	7	
18	Hanzala Kayyum shaikh	7	
19	Om Sudhakar Shirsath	7	
20	Rahul sunil shirsath	7	
21	Sahil Somnath Sinare	7	
22	Tambe Aryan santosh	7th	
23	Thorat Yash Nanasaheb	7th	
24	Aryan Balasaheb Waghmare	7th	
25	Anap Shravani Mathhindra	7th	
26	Swapnali Nitin Anap	7th	
27	Samiksha Rakhma Dhone	7th	
28	Dighe Shruti Somnath	7th	
29	Ghage Prajkta Kiran	7th	
30	Aarya Manoj Tambe	7th	
31	Tanvi Santosh Lokhande	7th	
32	Shrishti Ashish Vyas	7th	

H.O.D.
Department of Physics
Arts,Commerce & Science College,Satral.

Loknete Dr. Balasaheb Vikhe Patil (Padma Bhushan Awardee) Pravara Rural Education Society's

ARTS COMMERCE AND SCIENCE COLLEGE SATRAL

DEPARTMENT OF PHYSICS

(EXTENSION ACTIVITY-2022-23)

SOLAR ENERGY AWARENESS IN NEARBY VILLAGE AND SCHOOLS

Attendance Sheet 07 Jan 2023.

Sr. No.	Name of the Student	Class	Signature
1	Aspan Ghone	8th	Aspan
2	Ashish Lonkle	8th	Ashish
3	Adieya Dhamak	8th	Adieya
4	Kunal Umbarkar	8th	
5	Aditya Kesi Gadekar	8th	
6	Anshuman Vyas	8th	
7	Atharv Dukre	8th	
8	Gaurav Naikar	8th	
9	Om Aubad	8th	
10	Sai Naikar	8th	
11	Adarsh Andhale	8th	Adarsh
12	Pratik Pulate	8th	
13	Prathmesh Bhalerao	8th	
14	Viraj Pradip Nagare	8th	Viraj P. Nagare
15	Om Wakchaure	8th	
16	Nischal Dighe	8th	
17	Yash Tambe	8th	
18	Lokesh Jadhav	8th	
19	Trushti Kadlag	8th	
20	Tambe Rudrita	8th	
21	Gayatri Parvat	8th	
22	Nikita Ghuge	8th	
23	Chaitali Anap	8th	
24	Vaishnavi Jumbare	8th	
25	Tanishka Kahar	8th	
26	Harshada Brahmane	8th	
27	Tanvi Gadekar	8th	
28	SHRAVANI NALHAR	8th	
29	RUTUJA BHOSALE	8th	
30	Supriya Jumbare	8th	
31	Anap Kshitija	8th	
32	Bhosale Anushka	8th	
33	Shaikh Juberiya	8th	
34	Sable Dhanashree	8th	
35	Vyas Shreya	8th	

H.O.D.
Department of Physics
Arts,Commerce & Science College,Satral.

Arts, Commerce & Science College, Tal.Rahuri, Dist.A'Nagar, Satral

PRINCIPAL
Arts,Commerce and Science
College,Satral,Tal.Rahuri
Dist.Ahmednagar,413711

लोकनेते डॉ. बाळासाहेब विखे पाटील (पद्मभूषण उपाधीने सन्मानित), प्रवरा ग्रामीण शिक्षण संस्थेचे

कला, वाणिज्य व विज्ञान महाविद्यालय, सात्रळ

भौतिकशास्त्र विभाग

अभिप्राय

सौर ऊर्जा जागरूकता प्रचार कार्यक्रम, धानोरे

(शनिवार ०७ जानेवारी २०२३)

1. सौर ऊर्जा जागरूकता प्रचार कार्यक्रम आपल्याला उपयुक्त होता का ?

☑ होय ☐ नाही

2. सौर ऊर्जा जागरूकता प्रचार कार्यक्रम दरम्यान स्वयंसेवकांनी दिलेली माहिती आणि प्रात्यक्षिके चांगले होते का ?.

☑ होय ☐ नाही

3. सौर ऊर्जा जागरूकता प्रचार कार्यक्रमासाठी दिलेली वेळ पुरेशी होती का ?

☑ होय ☐ नाही

4. सौर ऊर्जा जागरूकता प्रचार कार्यक्रम दरम्यान आपल्याला नवीन शिकणे किंवा ज्ञान किंवा कौशल्ये मिळाले का?

☑ होय ☐ नाही

5. आपल्या घरी आपण सौर उर्जेवर चालणारी उपकरणे वापराल का ?

☑ होय ☐ नाही

6. सौर ऊर्जा जागरूकता प्रचार कार्यक्रमाचे मूल्यांकन कसे कराल ?

☑ उत्तम ☐ चांगले ☐ मध्यम ☐ खराब

7. अभिप्राय व सूचना

...Very...nice.,..it...was...awesome...like...a....magic...
..I...am...Very...curious....about...it...mam...was...good.

सहभागीचे नाव: Samiksha Rakhama Dhone गाव / वर्ग : 7th

स्वाक्षरी : Dhone, तारीख :

Art's, Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

PRINCIPAL
Arts, Commerce and Science
College, Satral, Tal. Rahuri
Dist. Ahmednagar

लोकनेते डॉ. बाळासाहेब विखे पाटील (पद्मभूषण उपाधीने सन्मानित), प्रवरा ग्रामीण शिक्षण संस्थेचे

कला, वाणिज्य व विज्ञान महाविद्यालय, सात्रळ

भौतिकशास्त्र विभाग

आपला अभिप्राय

सौर ऊर्जा जागरूकता प्रचार कार्यक्रम, धानोरे

(शनिवार ०७ जानेवारी २०२३)

1. **सौर ऊर्जा जागरूकता प्रचार कार्यक्रम आपल्याला उपयुक्त होता का ?**

☑ होय ☐ नाही

2. **सौर ऊर्जा जागरूकता प्रचार कार्यक्रम दरम्यान स्वयंसेवकांनी दिलेली माहिती आणि प्रात्यक्षिके चांगले होते का ?.**

☑ होय ☐ नाही

3. **सौर ऊर्जा जागरूकता प्रचार कार्यक्रमासाठी दिलेली वेळ पुरेशी होती का ?**

☑ होय ☐ नाही

4. **सौर ऊर्जा जागरूकता प्रचार कार्यक्रम दरम्यान आपल्याला नवीन शिकणे किंवा ज्ञान किंवा कौशल्ये मिळाले का?**

☑ होय ☐ नाही

5. **आपल्या घरी आपण सौर उर्जेवर चालणारी उपकरणे वापराल का ?**

☑ होय ☐ नाही

6. **सौर ऊर्जा जागरूकता प्रचार कार्यक्रमाचे मूल्यांकन कसे कराल ?**

☑ उत्तम ☐ चांगले ☐ मध्यम ☐ खराब

7. **अभिप्राय व सूचना**

.....

.....

सहभागीचे नाव: Yash Bhausaheb Dighe गाव / वर्ग : 7th

स्वाक्षरी : Yash तारीख : 07 Jan 23

St. Padre Pio Educational, Cultural, Medical & Social Society's

ST. PADRE PIO ENGLISH MEDIUM SCHOOL, SATRAL

A/p. Songaon, Tal. Rahuri, Dist. Ahmednagar. Pin -413 711 Ph: 02426275001

E-mail: stpadrepiosatral@gmail.com

Reg.No:EDD/**PRI** /2/S.F.S./P.d./2015 OT.NO.: 14013/16 Date: 22/07/2015

Reg. No.: EDN.D.(PRI) OT.No.: Off-4/S.F.S./485/2015/A.nagar. Dt: 07/08/2015

U-Dise – 27260905807 SCHOOL INDEX NO 12-10-054

ST. PADRE PIO ENGLISH MEDIUM SCHOOL Tal.Rahuri, Dist.A'Nagar. Pin-413711 SATRAL

Date: 7th Jan 2023.

Dear Sir,

On behalf of "St. Padre Pio English Medium School, Satral, Songaon", I wish to express our sincere gratitude for your visit. We are truly thankful for your presence.

The staff from the Department of Physics of Loknete Dr. Balasaheb Vikhe Patil (Padma Bhushan awardee) Pravara Rural Education Society's Arts, Commerce, and Science College in Satara, Tal-Rahuri, Dist-Ahmednagar, visited our school on 7th January 2023. During this visit, you enlightened our seventh and eighth-grade students about the importance of solar energy and its relevance in the current era by giving live demonstration.

This interaction has sparked curiosity and raised awareness about solar energy among our students, and for that, we extend our heartfelt appreciation to you. Your contribution is truly inspiring and we hope for continued cooperation in the future.

Thank you.

Fr. Ashley Dmonty

HEADMASTER

ST.PADRE PIO ENGLISH MEDIUM SCHOOL

(PRIMARY)

SATRAL-SONGAON, TAL. RAHURI,

DIST.AHMEDNAGAR-413711

"पंचायत राज्य निर्मीती हिच खरी लोकशाही" स्थापना ता. २४/२/१९५८

ग्रामपंचायत कार्यालय, धानोरे

ता. राहुरी, जि. अहमदनगर. पिन-४१३७११

जा. नं. २८ दिनांक ०९/ ०१ /२०२३

ग्रामपंचायत कार्यालय धानोरे, ता. राहुरी, जि. अ. नगर स्थापना दि. २४/२/१९५८

आभार पत्र

लोकनेते डॉ. बाळासाहेब विखे पाटील (पद्मभूषण उपाधीने सन्मानित) प्रवरा ग्रामीण शिक्षण संस्थेचे, कला, वाणिज्य व विज्ञान महाविद्यालय सात्रळ येथील भौतिकशास्त्र विभाग (Phisics Department) यांचे शनिवार दिनांक ७ जानेवारी २०२३ रोजी धानोरे, सोनगाव, सात्रळ, अनापवाडी या परिसरातील शेत ऱ्यांना व ग्रामस्थांना **'सौरऊर्जा जनजागृती'** या उपक्रमांतर्गत विविध सौर उपकरणे व त्यांची माहिती प्रात्यक्षिकाद्वारे दिली. यामध्ये महाविद्यालयाच्या भौतिकशास्त्र विभागातील विद्यार्थी व शिक्षकांनी घरोघरी जाऊन ग्रामस्थांना सौरुर्जेचे महत्व व गरज याविषयी जनजागृती केली.

या सर्व कार्याबद्दल धानोरे ग्रामपंचायत आपले आभारी असून त्याबद्दल हा दाखला देत आहोत.

सरपच
ग्रामपंचायत, धानोरे
ता. राहुरी, जि. अहमदनगर

ग्रामपंचायत कार्यालय सात्रळ

मु. सात्रळ पो. सोनगाव ता. राहुरी जि. अहमदनगर (महाराष्ट्र)

श्री. एच. वाय. पटेल
ग्रा.वि.अधिकारी

gpsatral @gmail. Com

श्री सतीश बबन ताठे
सरपंच
९९२१२३४१७२

ग्रामपंचायत, कार्यालय सात्रळ * ता. राहुरी, जि. अहमदनगर * स्थापना २२/७/१९५५

क्रं/३६

दिनांक. ०९/०१/२०२३

आभार पत्र

लोकनेते डॉ. बाळासाहेब विखे पाटील (पद्मभूषण उपाधीने सन्मानित) प्रवरा ग्रामीण शिक्षण संस्थेचे, कला, वाणिज्य व विज्ञान महाविद्यालय सात्रळ येथील भौतिकशास्त्र विभाग (Phisics Department) यांचे वतीने शनिवार दिनांक ७ जानेवारी २०२३ रोजी सात्रळ परिसरातील शेतकऱ्यांना व ग्रामस्थांना **'सौरऊर्जा जनजागृती'** या उपक्रमांतर्गत विविध सौर उपकरणे व त्यांची माहिती प्रात्यक्षिकाद्वारे दिली. यामध्ये महाविद्यालयाच्या भौतिकशास्त्र विभागातील विद्यार्थी व शिक्षकांनी घरोघरी जाऊन ग्रामस्थांना सौरुर्जेचे महत्व व गरज याविषयी जनजागृती केली.

या सर्व कार्याबद्दल सात्रळ ग्रामपंचायत आपले आभारी असून त्याबद्दल हा दाखला देत आहोत.

ग्रामविकास अधिकारी
ग्रामपंचायत कार्यालय, सात्रळ
ता. राहुरी, जि अ नगर

2. Solar Energy Awareness Extension Activity (Kanadgaon Village)



LOKNETE DR BALASAHEB VIKHE PATIIL (PADMA BHUSHAN AWARDEE)

PRAVARA RURAL EDUCATION SOCIETY'S

ARTS, COMMERCE AND SCIENCE COLLEGE, SATRAL

DEPARTMENT OF PHYSICS

SOLAR ENERGY AWARNESS PROGRAM
IN NEARBY SCHOOLS & VILLAGES
(Outreach/Extention Activity)

(Academic Year 2021-22)

Place : Kandgaon Village **Date:** Wensday-Thusday, 05-06 Jan 2022

INDEX

Permission Letter

Date: 31/12/2021

To,

I/C Principal,

Arts, Commerce and Science College, Satral.

Tal- Rahuri, Dist- Ahmednagar.

Subject: Permission to conduct solar energy awareness outreach activity in Kandgaon Village

Respected sir,

The Department of Physics is dedicated to educating communities about the importance of renewable and solar energy. We believe that by engaging with schools and villages in our periphery, we can make a significant impact on raising energy awareness. The proposed outreach activity will include live demonstrations of solar energy-based equipment. We intend to stay in touch with local schools and community leaders to ensure that this activity aligns with the needs and interests of the target audience.

We kindly request your permission to conduct this outreach activity in Kandgaon village for school students and villagers on Tuesday and Wednesday, 05-06th Jan 2022. Thank you in advance.

Allowed
31/12/21

31/12/2021

Dr. N. S. Kanhe
Assistant Professor &
Head Department of Physics
Arts, Commerce & Science College, Satral.

H.O.D
Department of Physics
Arts, Commerce & Science College, Satral.

Student Notice

Date: 01/01/2022

The Department of Physics hereby informs you that we are going to conduct a Solar Energy Awareness outreach activity in Kandgaon village on Tuesday and Wednesday, 05-06th Jan 2022. The proposed outreach activity will feature live demonstrations of solar energy-based equipment for both school children and villagers. Interested students will have the opportunity to work as volunteers and demonstrators for this activity.

Those students who are interested are requested to contact the Head of the Department of Physics within two days from the date of this notice. Our department staff will provide guidance for the preparation of demonstration models and other relevant information.

Note: Interested students (as a volunteers) are requested to gather in the department of physics on Monday, 3 Jan 2022 at 11.30 am.

01 Jan 2022

Dr. N. S. Kanhe.
H.O.D.
Head Department of Physics
Department of Physics
Arts,Commerce & Science College,Satral.

I/C PRINCIPAL
Arts,Commerce and Science
College,Satral,Tal.Rahuri
Dist.Ahmednagar,413711

LOKNETE DR BALASAHEB VIKHE PATIIL (PADMA BHUSHAN AWARDEE),

PRAVARA RURAL EDUCATION SOCIETY'S

ARTS, COMMERCE AND SCIENCE COLLEGE, SATRAL

DEPARTMENT OF PHYSICS

Solar Energy Awarness Program in Nearby Schools & Villages

(Outreach/Extention Activity)

Introduction:

The sun is continuously releasing solar radiation, some of which will eventually reach the earth. We make use of this solar energy in a number of different ways. It helps to support day to day life, can generate electricity and can even heat our water. Why solar energy is most important natural energy sources available to our earth?

1. **Solar energy is good for the environment:** Unlike fossil fuels, solar energy doesn't produce any greenhouse gases or carbon emissions like methane, nitrous oxide, carbon dioxide, etc. Therefore, it is much better for the environment and can help to reduce pollution.
2. **The Sun is renewable:** The Sun is renewable energy source and we can continue to use it day after day.
3. **Solar power can improve energy security:** By using more solar energy, a country can help to increase its energy security.
4. **The solar energy industry creates jobs:** The solar energy industry has a potential to give large number of jobs all over the world.
5. **Solar energy has different uses:** Along with electricity generation solar energy can be used for heating water, cooking, drying, solar water pump, solar fan etc.
6. **It can reduce your energy bills:** Solar energy has the potential to reduce or even eliminate your energy bills. This is the key reason why many homeowners and farmers have opted to install solar energy systems.
7. **Solar technology offers a return on investment:** Both solar electricity and solar based equipment's are capable of offering a return on investment (ROI) over their lifetime.
8. **The sun has many other natural benefits:** The sun supports life on earth in many different ways. It helps to grow our crops in order to provide food, supports the habitats of many living creatures and also provides light and warmth, helping us to see and stay warm.

Art's,Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

Aim and Objectives:

1. To create solar energy awareness & scientific interest among students & Villagers.
2. To encourage and create awareness among villagers about the use of solar/renewable energy for various day-to-day life applications.
3. To guide students and stakeholders on the workings of solar energy-operated instruments.
4. To give demonstrations on handling and operating solar products such as solar bulbs, solar heaters, solar fans, solar water pumps, etc.
5. To create awareness about energy-saving techniques and pollution control through solar-based equipment's.

Beneficiaries: School Students, College Students and Villagers

Volunteers:

1. S.Y.B.Sc. Physics Students will work as a demonstrator and volunteers.
2. Department staff will guide and supervise the activity.

Expected Outcomes: Beneficiaries will gain the following knowledge/skills

1. Increased scientific awareness and interest in solar energy among school children.
2. Enhanced understanding and awareness among villagers regarding the practical applications of solar and renewable energy in their daily lives.
3. Increased adoption and utilization of renewable energy resources in rural areas.
4. Enhanced skills in handling and operating various solar products, including solar bulbs, heaters, fans, and water pumps.
5. Implementation of energy-saving techniques & pollution control measures through solar-based electricity generation, contributing to a sustainable & clean environment.

Content and Execution of Activity:

1. Volunteers prepare charts, create demonstrative models & collect solar instruments.
2. Volunteers give live demonstrations of various solar energy-based instruments.
3. Volunteers will explain the benefits of solar energy-based instruments.
4. Volunteers will answer related doubts regarding their functioning.
5. Volunteers create interest and encourage beneficiaries regarding the use of solar energy-based instruments.
6. Volunteers will explain the benefits of solar energy, its potential for saving wealth & the importance of pollution-free energy generation for a sustainable environment.

Art's, Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

LOKNETE DR BALASAHEB VIKHE PATIIL (PADMA BHUSHAN AWARDEE),
PRAVARA RURAL EDUCATION SOCIETY'S

ARTS, COMMERCE & SCIENCE COLLEGE, SATRAL

DEPARTMENT OF PHYSICS

ACTIVITY REPORT

Solar Energy Awareness Outreach Activity, Kandgaon

(Tuesday-Wednesday, 05-06th Jan 2022)

The Department of Physics organized a solar energy awareness program at Pragati Madhyamik Vidyalay Kandgaon and in NSS Camp Kandgaon on Tuesday, 5th January, and Wednesday, 6th January 2022, respectively. The activity aimed to educate students and villagers about the significance of solar energy.

Dr. N. S. Kanhe commenced the event with an informative session on the importance of solar energy awareness, emphasizing its benefits and the necessity of adopting sustainable energy solutions. He also highlighted the environmental sustainability and pollution control benefits of using solar energy. Thus this extension activity, emphasized sustainable practices and environmental protection. Following Dr. Kanhe's introduction, the volunteers demonstrated various solar-powered devices, including a solar fan, a solar water pump, and a solar heater. These demonstrations provided practical insights into how solar energy can be harnessed for everyday use. The volunteers ensured an interactive learning experience by addressing the students' and villagers' questions and clarifying their doubts.

Two staff members, accompanied by nine volunteers, actively participated in the activity. Around 250 students from 5th to 10th classes in school and 125 villagers attended the program, gaining valuable knowledge about solar energy and its applications. The initiative successfully engaged the students, fostering a deeper understanding and appreciation for renewable energy sources. The program was well-received and made a significant impact on both the students and the broader Kandgaon village community.

Programme Officer
National Service Scheme
Art's,Commerce And Science College,
Satral,Tal.Rahuri,Dist.Ahmednagar.

H.O.D.
Department of Physics
Arts,Commerce & Science College,Satral

Arts,Commerce & Science College, Satral, Tal.Rahuri, Dist.A'Nagar

I/c PRINCIPAL
Arts,Commerce and Science
College,Satral,Tal.Rahuri
Dist.Ahmednagar,413711

LOKNETE DR BALASAHEB VIKHE PATIIL (PADMA BHUSHAN AWARDEE),
PRAVARA RURAL EDUCATION SOCIETY'S

ARTS, COMMERCE & SCIENCE COLLEGE, SATRAL

DEPARTMENT OF PHYSICS

ACTIVITY PHOTOGRAPHS

Solar Energy Awareness Outreach Activity, Kanadgaon

(Tuesday-Wednesday, 05-06th Jan 2022)

Photo: Dr. N. S. Kanhe, giving informative session on importance of solar energy awareness to students of PragatiMadhyamikVidyalay Kanadgaon. Date:05/01/2022

Photo: Volunteers live demonstration of solar energy based equipment's to school students. Date:05/01/2022

Arts, Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

LOKNETE DR BALASAHEB VIKHE PATIIL (PADMA BHUSHAN AWARDEE),
PRAVARA RURAL EDUCATION SOCIETY'S

ARTS, COMMERCE & SCIENCE COLLEGE, SATRAL

DEPARTMENT OF PHYSICS

ACTIVITY PHOTOGRAPHS

Solar Energy Awareness Outreach Activity, Kandgaon

(Tuesday and Wednesday, 05-06th Jan 2022)

Photo: Girl students during the live demonstration of solar water pump. Date:05/01/2022

Photo: Volunteers answering the doubts of students during the live demonstration of solar water pump. Date:05/01/2022

Art's, Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

LOKNETE DR BALASAHEB VIKHE PATIIL (PADMA BHUSHAN AWARDEE),
PRAVARA RURAL EDUCATION SOCIETY'S

ARTS, COMMERCE & SCIENCE COLLEGE, SATRAL

DEPARTMENT OF PHYSICS

ACTIVITY PHOTOGRAPHS

Solar Energy Awareness Outreach Activity, Kandgaon

(Tuesday-Wednesday, 05-06th Jan 2022)

Photo: Staff and volunteers with Kandgaon villagers Date:05/01/2022

Photo: Interaction of I/C Principal Jayshree Singar with SYBSc Physics Volunteers.
Date:05/01/2022

Programme Officer
National Service Scheme
Art's,Commerce And Science College
Satral,Tal.Rahuri,Dist.Ahmednagar.

Arts,Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

H.O.D.
Department of Physics
Arts,Commerce & Science College,Sa

PRINCIPAL
Arts,Commerce and Science
College,Satral,Tal.Rahuri
Dist.Ahmednagar,413711

LOKNETE DR BALASAHEB VIKHE PATIIL (PADMA BHUSHAN AWARDEE),
PRAVARA RURAL EDUCATION SOCIETY'S

ART'S, COMMERCE AND SCIENCE COLLEGE, SATRAL

DEPARTMENT OF PHYSICS

STAFF/VOLUNTEERS ATTENDANCE

Solar Energy Awareness Outreach Activity, Kandgaon

(Tuesday-Wednesday, 05-06th Jan 2022)

Sr.No.	Staff/ Volunteer's Name	Signature
1.	Dr. Kanhe N.S. (HOD physics)	
2.	Mr. Shaikh Masid	
3.	Sinare pooja Gopinath	
4.	Shinde snehal Sahebrao	
5.	Gagare dipak Bhundarbhau	
6.	Mhaskade Pandurang vasant	
7.	Tathe Rutvik Avinash	
8.	Hole Vaishnavi Sanjay	
9.	Korde Nikita Ravindra	
10.		
11.		
12.		
13.		
14.		
15.		

H.O.D.
Department of Physics
Arts,Commerce & Science College,Satral

Arts, Commerce & Science College, Tal.Rahuri, Dist.A'Nagar, Satral

I/c PRINCIPAL
Arts,Commerce and Science
College,Satral,Tal.Rahuri
Dist.Ahmednagar,413711

लोकनेते डॉ. बाळासाहेब विखे पाटील (पद्मभूषण उपाधीने सन्मानित), प्रवरा ग्रामीण शिक्षण संस्थेचे

कला, वाणिज्य व विज्ञान महाविद्यालय, सात्रळ

भौतिकशास्त्र विभाग

आपला अभिप्राय

सौर ऊर्जा जागरूकता प्रचार कार्यक्रम, कानडगाव

(मंगळवार आणि बुधवार, ५-६ जानेवारी २०२२)

1. **सौर ऊर्जा जागरूकता प्रचार कार्यक्रम आपल्याला उपयुक्त होता का ?**

☑ होय ☐ नाही

2. **सौर ऊर्जा जागरूकता प्रचार कार्यक्रम दरम्यान स्वयंसेवकांनी दिलेली माहिती आणि प्रात्यक्षिके चांगले होते का ?.**

☑ होय ☐ नाही

3. **सौर ऊर्जा जागरूकता प्रचार कार्यक्रमासाठी दिलेली वेळ पुरेशी होती का ?**

☑ होय ☐ नाही

4. **सौर ऊर्जा जागरूकता प्रचार कार्यक्रम दरम्यान आपल्याला नवीन शिकणे किंवा ज्ञान किंवा कौशल्ये मिळाले का?**

☑ होय ☐ नाही

5. **आपल्या घरी आपण सौर उर्जेवर चालणारी उपकरणे वापराल का ?**

☐ होय ☐ नाही

6. **सौर ऊर्जा जागरूकता प्रचार कार्यक्रमाचे मूल्यांकन कसे कराल ?**

☐ उत्तम ☑ चांगले ☐ मध्यम ☐ खराब

7. **अभिप्राय व सूचना**

.....

.....

सहभागीचे नाव: आदिनाथ रामभाऊ गागरे गाव / वर्ग : कानडगाव

स्वाक्षरी : आदिनाथ गागरे तारीख :

A.V.N.'s Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

लोकनेते डॉ. बाळासाहेब विखे पाटील (पद्मभूषण उपाधीने सन्मानित), प्रवरा ग्रामीण शिक्षण संस्थेचे

कला, वाणिज्य व विज्ञान महाविद्यालय, सात्रळ

भौतिकशास्त्र विभाग

आपला अभिप्राय

सौर ऊर्जा जागरूकता प्रचार कार्यक्रम, कानडगाव

(मंगळवार-बुधवार, ५-६ जानेवारी २०२२)

1. सौर ऊर्जा जागरूकता प्रचार कार्यक्रम आपल्याला उपयुक्त होता का ?

☑ होय ☐ नाही

2. सौर ऊर्जा जागरूकता प्रचार कार्यक्रम दरम्यान स्वयंसेवकांनी दिलेली माहिती आणि प्रात्यक्षिके चांगले होते का ?.

☑ होय ☐ नाही

3. सौर ऊर्जा जागरूकता प्रचार कार्यक्रमासाठी दिलेली वेळ पुरेशी होती का ?

☑ होय ☐ नाही

4. सौर ऊर्जा जागरूकता प्रचार कार्यक्रम दरम्यान आपल्याला नवीन शिकणे किंवा ज्ञान किंवा कौशल्ये मिळाले का?

☑ होय ☐ नाही

5. आपल्या घरी आपण सौर उर्जेवर चालणारी उपकरणे वापराल का ?

☑ होय ☐ नाही

6. सौर ऊर्जा जागरूकता प्रचार कार्यक्रमाचे मूल्यांकन कसे कराल ?

☑ उत्तम ☐ चांगले ☐ मध्यम ☐ खराब

7. अभिप्राय व सूचना

.....

.....

सहभागीचे नाव: आहिरे सुभाष कारिनाथ गाव / वर्ग : कानडगाव

स्वाक्षरी : Subhash G. तारीख :

Art's,Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

डॉ. बाबुराव बापुजी तनपुरे ग्रामीण शिक्षण संस्थेचे

प्रगती माध्यमिक विद्यालय, कानडगांव

ता. राहुरी, जि. अहमदनगर

शाळा मान्यता क्रमांक :- एस.एस.एन./३/१४/न.मा.शा. ३२९१५/१९, प्र.वि. १९९६, एस.एस.सी. कोड नं. १२.१०.०४२ पे युनिट कोड नं. ०६३५
यु डायस क्र. २७२६०९०५५०२ शालार्थ क्र. ४५४०१००१८३

जा.क्र. २४

दि. ०९/०१ /२०२२

मा. प्राचार्य
कला वाणिज्य व विज्ञान महाविद्यालय सात्रळ
ता.राहुरी
जि. अहमदनगर

महोदय,

प्रथमतः प्रगती माध्यमिक विद्यालय, कानडगाव च्या वतीने मी आपले आभार मानतो, लोकनेते डॉ. बाळासाहेब विखे पाटील (पद्मभूषण उपाधीने सन्मानित) प्रवरा ग्रामीण शिक्षण संस्थेचे, कला वाणिज्य व विज्ञान महाविद्यालय सात्रळ, ता. राहुरी, जि. अहमदनगर, महाविद्यालयातील पदार्थविज्ञान विभागामार्फत दिनांक ३ जानेवारी ते ९ जानेवारी २०२२ या कालावधीत आमच्या शाळेमध्ये आपण आमच्या विद्यार्थ्यांना सौर उर्जा, सौर उर्जेचे महत्व आणि सध्याच्या काळात असणारी सौर उर्जेची गरज ई. गोष्ठी प्रात्यक्षिकासह सांगितल्या व मुलांमध्ये जागरूकता निर्माण केली. त्या बद्दल शाळेतील विद्यार्थ्यांच्या वतीने आभार मानतो आपण दिलेले योगदान निश्चितच कौतुकास्पद आहे, व अशाच प्रकारचे सहकार्य याहीपुढे राहील अशी आशा बाळगतो, धन्यवाद!

मुख्याध्यापक
प्रगती माध्यमिक विद्यालय
कानडगांव,ता.राहुरी,जि.अहमदनगर

सात्रळ महाविद्यालयाचे कानडगावात विशेष श्रमसंस्कार शिबिराचे आयोजन

प्रतिनिधी | सात्रळ

येथील कला, वाणिज्य व विज्ञान महाविद्यालयाच्या राष्ट्रीय सेवा योजनेच्या वतीने 'माझी वसुंधरा व जलस्त्रोत संवर्धन' हे मध्यवर्ती सूत्र घेऊन सात दिवसीय विशेष श्रमसंस्कार शिबिर कानडगाव (ता. राहुरी) येथे १२५ स्वयंसेवकांच्या माध्यमातून विविध शाश्वत उपक्रम राबवून उत्साहात झाले.

शिबिराचे उद्घाटन क्रांतिज्योती सावित्रीबाई फुले, पद्मश्री डॉ. विठ्ठलराव विखे पाटील, लोकनेते पद्मभूषण डॉ. बाळासाहेब विखे यांच्या प्रतिमापूजन व दीपप्रज्वलन करून झाली. उद्घाटन समारंभास प्रमुख पाहुणे म्हणून सात्रळ महाविद्यालय विकास समितीचे अध्यक्ष अॅड. बाळकृष्ण चोरमुंगे, कानडगावचे सरपंच चंद्रभान गागरे हे तर अध्यक्ष म्हणून कानडगाव येथील सामाजिक कार्यकर्ते नानासाहेब गागरे उपस्थित होते.

शिबिर कालावधीत डॉ. नवनाथ शिंदे, डॉ. एन. एम. पाटील, डॉ. दिपाली गायकवाड, प्र. प्राचार्या प्रा. डॉ. जयश्री सिनगर, मनोहर महाराज सिनारे, शशिकांत साळवे, प्रजापिता ब्रह्माकुमारी विश्वविद्यालयाच्या दीदी यांनी 'अमृतवाणी' या व्याख्यानमालेत स्वयंसेवकांना मार्गदर्शन केले.

कानडगाव येथे वृक्षारोपण करताना सात्रळ येथील महाविद्यालयीन विद्यार्थी.

शिबिर काळात कानडगावात स्वच्छता, शेरावली बाबा दर्गा स्वच्छता, स्मशानभूमीतील उंचवटयाचे सपाटीकरण व वृक्षारोपण करून झाडांची रंगरंगोटी केली. सौर ऊर्जा तसेच गावचा आरोग्य सर्वे करून आरोग्यविषयक जनजागृती उपक्रम राबविले. महिला सक्षमीकरण, कोरोना काळ व आरोग्य, जलसंधारण आदी उपक्रम स्वयंसेवक व सात्रळ महाविद्यालयाच्या प्राध्यापकांनी राबवले. शिबिराचा समारोप समारंभ चंद्रभान गागरे यांच्या उपस्थितीत झाला. प्रमुख पाहुणे म्हणून संस्थेचे संचालक अॅड. आप्पासाहेब दिघे हे उपस्थित होते. यज्ञसंगी मधुकर गागरे, नानासाहेब गागरे, सोपान गागरे, दिलीप लोंढे, प्रभारी प्राचार्या डॉ. जयश्री सिनगर, उपप्राचार्य डॉ. सोमनाथ घोलप, प्रा. दीपक घोलप प्रा. दिनकर घाणे डॉ. भाऊसाहेब नवले उपस्थित होते.

'कोरोना बाधित शिक्षक व शिक्षकेतर कर्मचाऱ्यांना विशेष रजा मंजूर करावी'

प्रतिनिधी | नगर

कोरोना महामारीच्या आपत्ती काळात कोरोना बाधित ठरलेल्या शिक्षक व शिक्षकेतर कर्मचाऱ्यांना विशेष रजा मंजूर करण्याची मागणी राज्य शिक्षक परिषदेच्या वतीने करण्यात आली आहे. या मागणीचे निवेदन शिक्षक परिषद मुंबई विभागाचे अध्यक्ष उल्हास वडोदकर, कार्यवाह शिवनाथ दराडे, महिला आघाडीप्रमुख वैशाली नाडकर्णी आहे, अशा मुंबईसह इतर भागात दहावी, बारावीचे वर्ग ऑनलाइन घेण्याची शिक्षक परिषदेची भूमिका असल्याचे स्पष्ट करण्यात आले आहे.

एप्रिल २०२० पासून अनेक शिक्षक कोरोना ड्युटीवर महाराष्ट्रभरात होते. कोरोना संसर्गामुळे अनेकांनी सरकारी व खासगी रुग्णालयात उपचार घेतले, तर काहींना घरातच विलगीकरण राहून उपचार घेतले आहे. सध्या कोरोनाने अनेक शिक्षक, शिक्षकेतर कर्मचारी बाधित होत आहेत. शाळांमधून

प्रवरेच्या बांधा

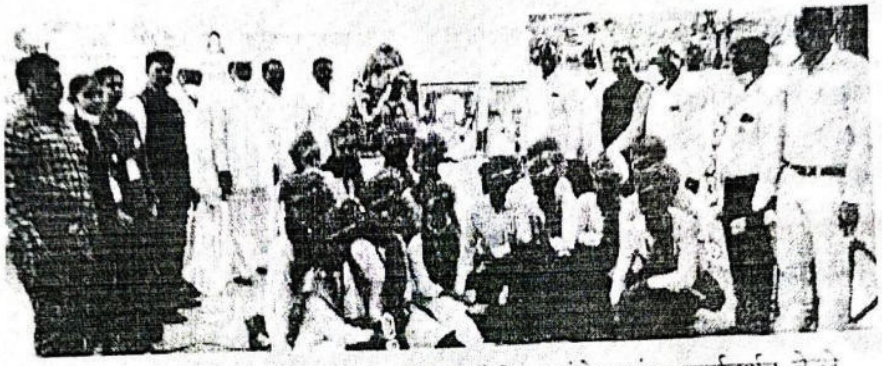
संस्थेचे अध्यक्ष राधाकृष्ण वि

प्रतिनि

शेती क्षेत्रात नवे तंत्र यांची माहिती शेतक प्रवरेच्या कृषि मंत्र

16 Jan 2025

कानडगावच्या शिबिरात सात्रळच्या विद्यार्थ्यांचे श्रमदान



सात्रळ (वार्ताहर)- सावित्रीबाई फुले पुणे विद्यापीठ व लोकनेते डॉ. बाळासाहेब विखे पाटील प्रवरा ग्रामीण शिक्षण संस्थेचे, कला, वाणिज्य व विज्ञान महाविद्यालय, सात्रळ यांच्या संयुक्त विद्यमाने राष्ट्रीय सेवा योजनेच्या वतीने माझी वसुंधरा व जलस्त्रोत संवर्धन हे मध्यवर्ती सूत्र घेऊन सात दिवसीय विशेष श्रमसंस्कार शिबिर कानडगाव (ता. राहुरी) येथे १२५ स्वयंसेवकांच्या माध्यमातून विविध शाश्वत उपक्रम राबवून उत्साहात संपन्न झाले.

यावेळी सात्रळ महाविद्यालय विकास समितीचे अध्यक्ष ॲड. बाळकृष्ण चोरमुंगे, कानडगावचे माजी सरपंच चंद्रभान गागरे तर अध्यक्ष म्हणून कानडगाव येथील नानासाहेब गागरे उपस्थित होते. शिबिर कालावधीमध्ये डॉ. नवनाथ शिंदे, डॉ. एन. एम. पाटील, डॉ. दिपाली गायकवाड, प्र. प्राचार्या प्रा. डॉ. जयश्री सिनगर, मनोहर महाराज सिनारे, शशिकांत साळवे, प्रजापिता ब्रह्माकुमारी विश्वविद्यालयाच्या दीदी यांनी स्वयंसेवकांना मार्गदर्शन केले.

शिबिर काळात कानडगावामधील रस्त्याच्या दुतर्फा स्वच्छता, शेरावली बाबा दर्गा स्वच्छता, स्मशानभूमीतील उंचवट्यांचे सपाटीकरण व वृक्षारोपण करून झाडांची रंगरंगोटी केली. सौर ऊर्जा तसेच गावचा आरोग्य सर्वे करून आरोग्यविषयक जनजागृती उपक्रम राबविले.

शिबिराचा समारोप चंद्रभान गागरे यांच्या प्रमुख उपस्थितीत संपन्न झाला. प्रमुख पाहुणे म्हणून संस्थेचे संचालक ॲड. आप्पासाहेब दिघे उपस्थित होते. याप्रसंगी मधुकर गागरे, नानासाहेब गागरे, सोपान गागरे, दिलीप लोंढे, प्रभारी प्राचार्या डॉ. जयश्री सिनगर, उपप्राचार्य डॉ. सोमनाथ घोलप, प्रा. दीपक घोलप, प्रा. दिनकर घाणे, डॉ. भाऊसाहेब नवले उपस्थित होते.

शिबिर यशस्वी करण्यासाठी प्रा. रोहित भडकवाड, प्रा. निलेश कान्हे, प्रा. विकास दिघे, प्रा. लतिका पंडुरे, प्रा. एस. पी. कडू, डॉ. अमित वाघमा व स्वयंसेवकांनी परिश्रम घेतले.

सात्रळ महाविद्यालयाने कानडगाव येथे आयोजित रा.से.योजना शिबिरात स्वयंसेवकांनी राबविले विविध शाश्वत उपक्रम

Krantinama - गुरुवार, जानेवारी १३, २०२२

राहुरी / बाळकृष्ण भोसले - सावित्रीबाई फुले पुणे विद्यापीठ व पद्मभूषण डॉ. बाळासाहेब विखे पाटील प्रवरा ग्रामीण शिक्षण संस्थेचे तालुक्यातील सात्रळ येथील कला, वाणिज्य व विज्ञान महाविद्यालय यांच्या संयुक्त विद्यमाने राष्ट्रीय सेवा योजनेच्या वतीने 'माझी वसुंधरा व जलस्त्रोत संवर्धन' हे मध्यवर्ती सूत्र घेऊन सात दिवसीय विशेष श्रमसंस्कार शिबिर कानडगाव येथे १२५ स्वयंसेवकांच्या माध्यमातून विविध शाश्वत उपक्रम राबवून उत्साहात संपन्न झाले.

शिबिराचे उद्घाटन पद्मश्री डॉ. विठ्ठलराव विखे पाटील, पद्मभूषण डॉ. बाळासाहेब विखे पाटील आणि क्रांतीज्योती सावित्रीबाई फुले यांच्या प्रतिमापूजन व दीपप्रज्वलन करून झाले. उद्घाटन समारंभास प्रमुख पाहुणे म्हणून सात्रळ महाविद्यालय विकास समितीचे अध्यक्ष ॲड. बाळकृष्ण बापूजी पा. चोरमुंगे, कानडगावचे सरपंच चंद्रभान लक्ष्मण गागरे तर अध्यक्ष म्हणून कानडगाव येथील सामाजिक कार्यकर्ते नानासाहेब विश्वनाथ गागरे उपस्थित होते.

शिबिर कालावधीमध्ये डॉ. नवनाथ शिंदे, डॉ. एन. एम. पाटील, डॉ. दिपाली गायकवाड, प्र. प्राचार्या प्रा. डॉ. जयश्री सिनगर, ह.भ.प. मनोहर महाराज सिनारे, शशिकांत साळवे, प्रजापिता ब्रह्माकुमारी विश्व विद्यालयाच्या दीदी यांनी 'अमृतवाणी' या व्याख्यानमालेमध्ये विविध विषयावर स्वयंसेवकांना मार्गदर्शन केले.

शिबिर काळात कानडगावामधील रस्त्याच्या दुतर्फा स्वच्छता, शेरावली बाबा दर्गा स्वच्छता, स्मशानभूमीतील उंचवट्यांचे सपाटीकरण व वृक्षारोपण करून झाडांची रंगरंगोटी केली. सौर ऊर्जा तसेच गावचा आरोग्य सर्व्हे करून आरोग्यविषयक जनजागृती उपक्रम राबविले. महिला सक्षमीकरण, कोरोना काळ व आरोग्य, जलसंधारण आदी शाश्वत उपक्रम शिबीर कालावधीमध्ये स्वयंसेवक व सात्रळ महाविद्यालयाच्या प्राध्यापकांनी यशस्वीरीत्या राबविले.

शिबीराचा समारोप समारंभ चंद्रभान गागरे यांच्या प्रमुख उपस्थितीत संपन्न झाला. प्रमुख पाहुणे म्हणून संस्थेचे संचालक ॲड. आप्पासाहेब दिघे पाटील हे उपस्थित होते. याप्रसंगी मधुकर बाबादेव गागरे, नानासाहेब विश्वनाथ गागरे, सोपान सूर्यभान गागरे, दिलीप मच्छिंद्र लोंढे, महाविद्यालयाच्या प्रभारी प्राचार्या डॉ. जयश्री सिनगर, उपप्राचार्य प्रोफेसर डॉ. सोमनाथ घोलप, प्रा. दीपक घोलप, प्रा. दिनकर घाणे डॉ. भाऊसाहेब नवले उपस्थित होते.

शिबिर यशस्वी करण्यासाठी राष्ट्रीय सेवा योजनेचे कार्यक्रमाधिकारी प्रा. रोहित भडकवाड, प्रा. निलेश कान्हे, डॉ. जयश्री सिनगर तसेच सहाय्यक कार्यक्रमाधिकारी प्रा. विकास दिघे, प्रा. लतिका पंडुरे, प्रा. एस. पी. कडू, डॉ. अमित वाघमारे व स्वयंसेवक-स्वयंसेवकांनी विशेष परिश्रम घेतले.

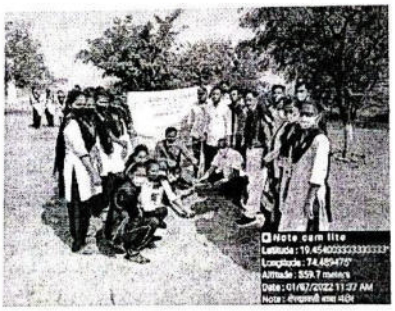
सात्रळ महाविद्यालयाने कानडगाव येथे आयोजित केलेल्या शिबिरात स्वयंसेवकांनी राबविले विविध शाश्वत उपक्रम

आवाज जनतेचा ⊙ जानेवारी १५, २०२२ महाराष्ट्र

सात्रळ/वेबटीम:; सावित्रीबाई फुले पुणे विद्यापीठ व लोकनेते डॉ. बाळासाहेब विखे पाटील (पद्मभूषण उपाधिने सन्मानित) प्रवरा ग्रामीण शिक्षण सं...

› सच्चे आणि कच्चे कोण जनता ओळखून आहे - सागर जाधव
› प्रभागातील जनतेने सपशेल नाकारलेल्यांनी टीका करण्याच्या भानगडीत पडू नये- आशिष निकुंभ

सात्रळ/वेबटीम:;



सावित्रीबाई फुले पुणे विद्यापीठ व लोकनेते डॉ. बाळासाहेब विखे पाटील (पद्मभूषण उपाधिने सन्मानित) प्रवरा ग्रामीण शिक्षण संस्थेचे,

कला, वाणिज्य व विज्ञान महाविद्यालय, सात्रळ यांच्या संयुक्त विद्यमाने राष्ट्रीय सेवा योजनेच्या वतीने 'माझी वसुंधरा व जलस्त्रोत संवर्धन' हे मध्यवर्ती सूत्र घेऊन सात दिवसीय विशेष श्रमसंस्कार शिबिर कानडगाव (ता. राहुरी) येथे १२५ स्वयंसेवकांच्या माध्यमातून विविध शाश्वत उपक्रम राबवून उत्साहात संपन्न झाले.

3. Extension Activity Conducted by Geography

Loknete Dr. Balasaheb Vikhe Patil (Padma Bhushan Awardee)
Pravara Rural Education Society's
ARTS COMMERCE AND SCIENCE COLLEGE SATRAL

A REPORT

ON

Extension Activity and Awareness Campaign

"Geographical Conditions Based Cropping Pattern and Resource Management"

CONDUCTED BY

DEPARTMENT OF GEOGRAPHY

Year 2021-22

Pravara Rural Education Society's

ARTS COMMERCE AND SCIENCE COLLEGE SATRAL

Department of Geography

Extension Activity : "Geographical Conditions Based Cropping Pattern and Resource Management"

INDEX

Permission Letter

Date: 05.12.2020

To,

Principal,

Arts, Commerce and Science College, Satral

Tal. Rahuri, Dist. Ahmednagar

Subject: Request for Permission to Conduct Extension Activities under the Department of Geography

Respected sir,

On behalf of the Geography Department of our college, I am writing to seek your permission for an extension activity planned for the academic year 2021-22. We propose to conduct a program titled "Geographical Conditions-Based Cropping Pattern and Resource Management" for the farmers of Kanadgaon and Vadner Village areas.

The Kanadgaon and Vadner villages are situated in hilly regions, and this initiative aims to assist the farmers in these areas by helping them determine optimal crop compositions based on the surrounding geographical conditions. We believe this program will significantly benefit the local farming community.

We kindly request your approval to proceed with this program

Yours sincerely

(Mr. R.S. Bhadakwad)

Head Department of Geography

Allowed

5.12.2020

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee)

Pravara Rural Education Society's

Arts, Commerce and Science College, Satral

Department of Geography

Name of the extension activity	:	Geographical Conditions Based Cropping Pattern and Resource Management
Date	:	10 January 2021
Number of Participant Farmer :		14

On behalf of the Department of Geography at Dr. Balasaheb Vikhe Patil (Padma Bhushan awardee) Pravra Rural Education Society, Arts, Commerce and Science College, Satral, an extension activity was organized for the farmers in the hilly regions of Mauje Kandgaon and Vadner. The focus of this activity was to educate farmers on how to determine cropping patterns based on the surrounding geographical conditions.

Dr. Nitinkumar Patil, Head of the Geography Department, along with department teacher Rohidas Bhaakwad, led the initiative. They provided comprehensive guidance to the farmers on adopting appropriate cropping structures after thoroughly studying the geographical conditions of their land. This initiative aimed to empower farmers with the knowledge needed to optimize their agricultural practices in accordance with the unique terrain and climate of their region.

The program highlighted the importance of aligning farming techniques with environmental factors to enhance crop yield and sustainability. By understanding and leveraging their local geography, the farmers in Mauje Kandgaon and Vadner can make informed decisions that will improve their productivity and resource management. This extension activity is part of the college's ongoing efforts to support and uplift the rural farming communities through education and practical guidance.

H.O.D.
Department Of Geography
(Arts, Comm.& Sci. College Satral)

Arts, Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

Principal
Arts, Commerce and Science College,Satral
Tal- Rahuri, Dist- Ahmednagar- 413711

Activity Photographs of Extension Activity in Kanadgaon

(a)

(b)

Photo (a) and (b) :Dr.N.M.Patil give information to the farmers on adopting appropriate structures of cropping by studying geographical condition of land Date:01/10/2021

H.O.D.
Department Of Geography
(Arts, Comm.& Sci. College Satral)

Arts, Commerce & Science College Satral
Tal.Rahuri, Dist.A'Nagar

Principal
Arts, Commerce and Science College,Satral
Tal- Rahuri, Dist- Ahmednagar- 413711

Date: 10/01/2021

Extension Activity and Awareness Campaign
Department of Geography

"Geographical Conditions Based Cropping Pattern and Resource Management"

Participated Farmer Attendance

Sr. No.	Name of Farmer	Village	Mobile No.	Signature
1.	सोपान सुर्यभान गागरे	कानडगाव	9922140085	Sapan
2	गागरे राजेंद्र असाहरी	कानडगाव	9763042098	Rajagre
3.	सय्यद शिरमहंमद इस्माईल	कानडगाव	7340778928	Sayed
4.	मुसमाडे भागवत नानासाहेब	कानडगाव	9011271302	Musmade
5	गागरे पद्मावंता	कानडगाव	9604442253	
6	पावडे संतोष दामुअण्णा	कानडगाव	9602822331	Santosh
7.	गागरे भाऊसाहेब रंगनाथ	कानडगाव	9767642913	Gagre
9.	चोखर अभिषेक सुरेश	कानडगाव	9067409121	Chokhare
10.				
11	सागर दिघे	कानडगाव	9011644013	Sagar
12.	धांगदेव माधव होरपडे	कानडगाव	9860321440	Gangadhar
13.	गागरे दादासाहेब पोपट	कानडगाव	9763432440	GDP
14.	लोंढे संजय भाऊसाहेब	कानडगाव	9307102456	Landhe
15.	गागरे पंढरीनाथ केशव	कानडगाव	9604469025	Pandharinath
16.	गागरे अण्णासाहेब विश्वनाथ	कानडगाव	9850718313	Annasaheb

Art's, Commerce & Science College, Tal. Rahuri, Dist. A'Nagar, Satral

(Mr. R.S. Bhadakwad)

लोकनेते डॉ. बाळासाहेब विखे पाटील (पद्मभूषण उपाधीने सन्मानित) प्रवरा ग्रामीण शिक्षण संस्थेचे,

कला, वाणिज्य व विज्ञान महाविद्यालय सात्रळ

भूगोल विभाग

'भौगोलिक परिस्थितीवर आधारित पीकरचना ठरविणे व नियोजन करणे'

विस्तार उपक्रम शेतकरी अभिप्राय

१. आपणास विस्तार उपक्रमाचा विषय उपयुक्त वाटला का?

☑ होय ☐ नाही

२. तुमच्या मनातील समस्यांचे /प्रश्नाचे निरसनझाले का?

☑ होय ☐ नाही

३. प्रमुख व्याख्यात्यांनी केलेले मार्गदर्शन आपणास उपयुक्त ठरेल का?

☑ होय ☐ नाही

४. प्रश्नउत्तराचे सत्र आपणास कसे वाटले?

☑ चांगले ☐ बरे

५. अशा प्रकारचे उपक्रम महाविद्यालयाने पुन्हा आयोजित करावेत काय?

☑ होय ☐ नाही

Gagare P.K.
शेतकऱ्याची सही

Art's, Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

4. Soil and water analysis for nearby villagers

LOKNETE DR BALASAHEB VIKHE PATIIL (PADMA BHUSHAN AWARDEE),

PRAVARA RURAL EDUCATION SOCIETY'S

ARTS, COMMERCE AND SCIENCE COLLEGE, SATRAL

DEPARTMENT OF CHEMISTRY

SOIL AND WATER ANALYSIS AWERENESS FOR NEARBY FARMERS
(Outreach/Extention Activity)

(Academic Year 2022-23)

Place: ACS College Satral **Date:** February 17, 2023

INDEX

PERMISSION LETTER

Date: 14/02/2023

To,

The Principal
Arts, Commerce, and Science
College Satral.

Subject: Permission Request to Organize Soil and Water Analysis Awareness Program…

Respected Sir,

I am writing to seek your permission to organize a Soil and Water Analysis Awareness Program at our college, to be held during the upcoming "Farmers and Parent Meet" on February 17, 2023.The objective of this program is to educate farmers on the significance of soil and water analyses in enhancing agricultural productivity. The event will include insightful sessions on the importance of micronutrients and water quality for specific crops, along with practical guidance on improving yields based on meteorological conditions. We plan to invite Mr. Panjabrao Dakh Saheb, a renowned meteorologist, to share his expertise and provide valuable insights to our attendees.

This program will benefit not only the farmers and parents but also our students and faculty by providing them with practical knowledge and hands-on experience in soil and water analysis. It aligns with our institution's commitment to community service and educational excellence.

We kindly request your approval to organize this program and to use the necessary college facilities for the event. Your support will be instrumental in making this initiative a success.

Thank you for considering our request. We look forward to your positive response.

Yours sincerely,

Permitted
Dongrepy
14/02/23

Head
Dept of Chemistry
Art's,Commerce & Science College
Satral

Loknete Dr. Balasaheb Vikhe Patil (Padma Bhushan Awardee)
Pravara Rural Education Society's
Arts, Commerce and Science College, Satral
Department of Chemistry

Date: 15/02/2023

Student Notice

The Department of Chemistry hereby informs you that we are going to conduct a Soil and Water analysis Awareness outreach activity in ACS College Satral on 17th Feb 2023. The proposed outreach activity will feature live demonstrations of Soil and Water analysis for farmers and villagers. Interested students will have the opportunity to work as volunteers and demonstrators for this activity.

Those students who are interested are requested to contact the Head of the Department of Chemistry within two days from the date of this notice. Our department staff will provide guidance for the preparation of demonstration models and other relevant information.

Head
Dept of Chemistry
Art's, Commerce & Science College
Satral

Department of chemistry

Extension Activity Report

Soil and water analysis awareness program

The Department of Chemistry at the Arts, Commerce, and Science College in Satral organized a soil and water analysis awareness program during the "Farmers and Parent Meet" on February 17, 2023. The event featured Sau. Shalinitai Vikhe Patil as the chief guest and renowned meteorologist Mr. Panjabrao Dakh Saheb as the speaker. Mr. Dakh Saheb provided valuable guidance to farmers, parents, students, and professors on improving crop yields based on meteorological conditions.

The primary objective of the program was to educate farmers on the importance of soil and water analyses for enhancing agricultural productivity. The event was well-attended by students, farmers, parents, and faculty members. Mr. D.D. Harade and postgraduate students from the chemistry department highlighted the significance of soil and water analyses. They explained the vital micronutrients needed for specific crops and how deficiencies in these nutrients can adversely affect production. Additionally, they discussed the necessity of water for various crops and treatments for softening hard and salty water to improve yield.

During the event, Arjuna plants were distributed to farmers. Soil and water samples were also collected from farmers for analysis. The Chemistry Department committed to providing these analysis services free of charge.

Principal
PRINCIPAL
Art's, Commerce & Science College
Satral, Tal.Rahuri, Dist. Ahmednagar.

Head
Dept of Chemistry
Art's, Commerce & Science College
Satral

Art's, Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

GLIMPSES OF PROGRAM

Group photo with Punjab Dakh Saheb **Date:17/02/2023**

Distribution of Medicinal plants to farmers **Date:17/02/2023**

Arts,Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

Registration counter **Date:17/02/2023**

Farmers participated in program **Date:17/02/2023**

Art's, Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

Principal
PRINCIPAL
Art's, Commerce & Science College
Satral, Tal.Rahuri, Dist. Ahmednagar.

Loknete Dr. Balasaheb Vikhe Patil (Padma Bhushan Awardee)
Pravara Rural Education Society's
Arts, Commerce and Science College, Satral
Department of Chemistry

Soil and Water Analysis Awereness Program

Participants Attendance Date:- 17/02/2023

Sr.No	Name Of Participant	Class/Villege	Sign
1.	Wani Ramnath Rawji	Zarekathi	
2.	Gholap Uttamrao Kisan	pathare	V.K.Gholap
3.	Anap Pandurang Ratan	Anapwadi	
4.	Sinare sharad Shivaji	Nimbhere	Sharad Sinare
5.	Harde Namdeo Ranba	Twapur	N.R.Harde
6.	Gagare Balasaheb Sopan	Kanadgaon	
7.	Gagare Rajendra Anna	Kanadgaon	Rajugagre
8.	Harde Vijay Kashinath	Twapur	VK.Harde
9.	Harde Vishnu Dattatray	Twapur	Vishnu
10.	Nehe Babasaheb Mahipati	Varshinde	Babasaheb
11.	Bramhane Ashok Uttam	Hanumantgaon	
12.	shinde Kisan gangadhar	satral	
13.	Dighe subhash Ganpat	Dhanorre	
14.	Kadu Vijay Raghunath	pathare	
15.	Kadu Sanket manik	pathare	
16.	Gagare subhash Namdeo	Kanadgaon	
17.	Gagare sarjerao Sukhdev	Kanadgaon	
18.	Harde parbhat Rambhau	Twapur	
19.	Lokhande rajendra maruti	Rampur	

20.	Harde Sunil paraji	Tulapur	
21.	Kadu Manik Hanbhau	pathore	
22.	Antre vasant baburao	Songaon	
23.	Dighe popat paraji	Songaon	Popat Dighe.
24.	Wani yougesh suresh	Zarekathi	Yogesh Wani
25.	Pande chandrakant B	Satral.	
26.	Gagare Ashok Ganpat	satral	
27.			
28.			
29.			
30.			
31.			
32.			
33.			

Arts, Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

Principal
Arts, Commerce and Science College,Satral
Tal- Rahuri, Dist- Ahmednagar- 413711

5. Field Visit to Vermicomposting and Sericulture Unit

Loknete Dr. Balasaheb Vikhe Patil (Padma Bhushan Awardee)
Pravara Rural Education Society

ARTS, COMMERCE & SCIENCE COLLEGE, SATRAL

Tal. Rahuri, Dist. Ahmednagar- 413 711

(Affiliated to Savitribai Phule Pune University, Pune)

A REPORT ON

A Field Visit to-

"VERMICOMPOSTING AND SERICULTURE UNIT"

Organized by,

Department of Zoology

Date: (26th April, 2022), Time: 10.00 A. M.

Permission Letter

Date:23/04/2022

To,

The Principal,

Arts, Commerce and Science College,

Satral. Tal- Rahuri, Dist- Ahmednagar.

Subject: Permission for field visit to a Vermiculture unit and Sericulture unit.

Respected Sir,

With reference to above subject the Department of Zoology wants to arrange a field visit to a well-established vermiculture unit and sericulture unit on 26th April, 2022. The vermiculture unit is situated at. Durgapur, Tal- Rahata, Dist- Ahmednagar and sericulture unit at. Chandrapur, Tal- Rahata, Dist- Ahmednagar. units are well known for vermicomposting and production of raw silk. This visit will involve the 48 students of S.Y. B.Sc. This tour will provide a practical based knowledge about rearing of vermiculture and sericulture to the students. So, please allow us to arrange the same.

Thank you,

Yours Sincerely,

Dr. Ram S. Tambe

Dr. Vijay M. Pulate

Allowed

23.04.2022

(पद्मभूषण उपाधिने सन्मानित)
प्रवरा ग्रामीण शिक्षण संस्थेचे,
कला, वाणिज्य व विज्ञान महाविद्यालय,
सात्रळ
ता. राहुरी, जि. अहमदनगर (पीन - ४१३७११)

Ref: ACSCS/2021-22/

Date: 23/04/2022

Student Notice

All the S. Y. B. Sc. students are here by inform that Department of Zoology organize educational field visit to vermicomposting unit at. Durgapur, Tal- Rahata, Dist- Ahmednagar and sericulture unit at. Chandrapur, Tal- Rahata, Dist- Ahmednagar on 26th April 2022. The students who are going to participate give their names to Dr. Ram Tambe and Dr. Vijay pulate and their parent permission letter.

Course In charge

Dr. Ram S. Tambe

Dr. Vijay M. Pulate

HEAD
DEPARTMNET OF ZOOLOGY
Arts, Commerce & Science College, Satral
Tal.Rahuri, Dist.Ahmednagar-413711

PRINCIPAL
Art,Commerce & Science College
Satral,Tal.Rahuri,Dist.A'Nagar

A Field Visit to

"VERMICOMPOSTING AND SERICULTURE UNIT"

Introduction:

A field visit was organised by **Departmentof Zoology, Arts, Commerce and Science College, Satral** in collaboration with **Anand Agri Biotech, Durgapur Tal- Rahata, Dist- Ahmednagar** and sericulture unit at Chandrapur (Ghule Patil farm) for the students. The activity was organized on **26th April, 2022** under the MoU signed between **Departmentof Zoology** and **Anand Agri Biotech, Durgapur** dated 22/02/2022.

Field visit is one of the best tools that we can for students to give hands on experience in the lesson and enhance their life skills. So, to increase their knowledge about silkworm (related to their lesson fiber to fabric) and to develop their skill.

Objectives:

- To create awareness among students about benefits of organic farming.
- To explore propagation of vermicompost among students for better yield of Crop.
- To develop training, skill & team work spirit among students.
- To promote the students to make their own unit.

- To demonstrate the life cycle of silk worm.
- Practical exposition of agriculture of this field of mulberry to obtain its leaves, on which silkworm caterpillar feeds.
- Observe the life cycle of Mombyx mori-hundreds of eggs were laid on leaves, caterpillar feeding on leaves of mulberry, cocoon collected to extract silk, adults collected in jars.
- Illustrations of equipment used in rearing silkworms.
- Cost effective methods and material required to establish sericulture.
- Application and economic importance of silk culture.

Outcome:

This field visit was of great use for students after practical knowledge they obtain. Students collected life cycle stages like, eggs, leaves, cocoon etc. understanding towards the concept and its application of sericulture was cleared to students after this visit.

Details of the Visit:

We the staff members along with students, reached the vermicomposting unit situated at Durgapur at 10 am. The unit was established in 2015-16 and successfully run by the owner **Mr. Prashat L. Pulate**. The details of the Verm technology were discussed with him. The faculty members also guided the students. The students observed various stages of development from cocoon to young and adult earthworms.

Students were trained in handling the equipment's and earthworms. The students studied the different stages in the life-cycle of earthworm. They observed the different methods of bed preparation, inoculation and separation of culture. The trainer Mr. Prashant L. Pulate explained different stages and methods of vermicomposting in details. He started the

session with interesting information about vermiculture. He explained the production technology with materials used, process of preparation and harvesting of the compost.

He focused on the fact that vermicompost has been emerging as an important source in supplementing and substituting chemical fertilizers in agriculture. Vermicompost, also known as 'farmer's friend' is used for general crops and plantation crops. It is a valuable input for sustainable agriculture and wasteland development. It is a growth promoter and helpful in providing hormones required for plant growth. There is a lot of demand for vermicompost among farmers as its use increases quality of agricultural products and its price is also cheaper. It is also used widely in pot culture and in home gardens. In addition, many government departments including agriculture, forest and horticulture buy it in bulk. Its demand has decreased over the years. Government agencies and NGOs are popularizing organic agriculture using vermicompost by organizing awareness campaigns and film show in rural and urban areas.

Students interacted with the trainer and farm-workers to know about the vermicomposting unit. They asked various questions arising in their minds. The students acquired the knowledge about species of earthworms, procurement of culture, their storage, harvesting and use of vermicompost. As many of the students are belonging to the farmers' families, they feel it as a great experience. Many of them asked about the economics of the vermiculture also. It was a good interaction session where the students clarified their doubts & some could answer his questions. Mr. Prashant Pulate was delighted with the students' response.

At 11.05 am reached the sericulture farm. There we met Mr. Ghule Patil owner of the sericulture farm. They gave a welcome to us. There we saw how the caterpillar feeding. Then students took silkworm caterpillar in their hand and excitedly discussed on their body structure. It was really a wonderful session. After that we stepped into mulberry plantation area and saw the mulberry leaves. Then Mr. Ghulepatil gave an informative lecture in 'life history of silk moth'. Finally, we thanked him for giving us an opportunity to visit her sericulture farm.

On the whole, it was very fruitful field visit for the students.

Along with the 02 teachers, 48 students from our college participated in this study visit.

Course Incharge

HEAD
DEPARTMNET OF ZOOLOGY
Arts, Commerce & Science College, Satral
Tal.Rahuri, Dist.Ahmednagar-413711

PRINCIPAL
Art,Commerce & Science College
Satral,Tal.Rahuri,Dist.A'Nagar

PHOTO GALLERY

VISIT TO A VERMICOMPOSTING UNIT

Date:26/04/2022 Students at Vermicomposting unit

Students learning about Vermiwash Date:26/04/2022

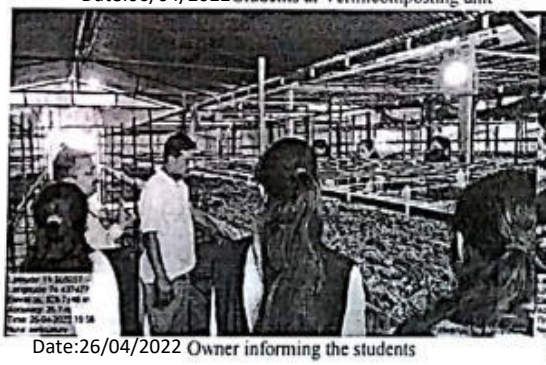
Date:06/04/2022 Students observing of Vermicompost bed

Students solving their queriesDate:26/04/2022

Visit to a Sericulture Unit

Date:06/04/2022 Students at Vermicomposting unit

Students observe of larval feeding Date:26/04/2022



Date:26/04/2022 Owner informing the students

Silkworm larvae feeding on mulberry leaves Date:26/04/2022

HEAD
DEPARTMNET OF ZOOLOGY
Arts, Commerce & Science College, Satr
Tal.Rahuri, Dist.Ahmednagar-413711

PRINCIPAL
Art,Commerce & Science College
Satral,Tal.Rahuri,Dist.A'Nagar

Pravara Rural Education Society

ARTS, COMMERCE & SCIENCE COLLEGE, SATRAL

Tal. Rahuri, Dist. Ahmednagar- 413 711

(Affiliated to Savitribai Phule Pune University, Pune)

Class: S. Y. B. Sc.

Date: 26/04/2022

Activity name: Field visit to vermicomposting and sericulture unit

Place: Durgapur and Chandrapur farm

Students Attendance List

Sr. No.	Name of the students	Contact number	Signature
1.	Sinare Mahesh Balasaheb	9763909388	
2.	Suryawanshi Shubham Sanjay	9579638407	
3.	Gagare Tejas Dadasaheb	8459356289	
4.	~~Shirsath~~ Rohit satish shirsath	7066570181	
5.	Sinare Abhishek Sanjay	8329993566	
6.	Shirsath vishal Suresh	8329452554	
7.	Sinare Mahesh Haushiram	8767308840	SMH
8.	Anap Samiksha suresh	9322100085	AnapSS
9.	Anantte Akshay Sinkar	7499391520	
10.	Antre Triveni Sunil.	9579118299	
11.	Charan Amit kishor	9284203229	
12.	Dighe Priyanka Babasaheb	9356569006	
13.	Dighe Shubhangi Ravsaheb	9637429193	Dighe
14.	Dukre Harshad sunil	8855927113	
15.	Gagare kalyani Shivaji	9011187419	
16.	Gagare Pallavi Annasaheb	9020523439	
17.	Gagane Sayali Babasaheb	7083861271	
18.	Gagare vaishnavi kailas	9322114814	
19.	Ghodake priyanka vijay	8010798698	Ghodakepv
20.	Dighe Akshay Balasaheb	9607741983	
21.	Anap Swapnil Jayvant	9623656345	
22.	Gholap Abhinav Sahebrao	9766257346	
23.	Gholap Prithviraj Rajendra	7887997759	
24.	Ghorpade Nikita Sanjay.	7499997232	
25.	Gulve Saurabh Sampat	8080847532	
26.	Harde Akshada Rajendra	9284332650	
27.	Harde shubhangi sanjay.	8010912815	
28.	Harde shweta paraji	9325721683	
29.	Anap Suyash Raju	9067990430	

30.	londhe Uddhav Shamrao	9579697900	
31.	londhe Mahesh Nanasaheb	9527797387	
32.	lokhande Saurabh Babajaheb	9119499471	
33.	Kadu Siddhaeth Dattatray	9011721326	
34.	kadu mohiniraj Sunil	8805853824	
35.	Kadam vishakha Subhash	8855805479	
36.	Musmade Akshada Rajendra	7499462357	
37.	Mhaske Shrikrushna Ashok	9145248044	
38.	Musmade Deepak Anil	9370615613	
39.	Musmade Rohun Sanjay	7020440169	
40.	Nagare Mayuri Ashok	9527620628	
41.	Wani Sanket Pandurang	9359260564	
42.	Vyavhare Monali Madhukar	9834605104	
43.	Wani Harshal Sopan	9370896362	
44.	Wani Rutuja Jayram	9325717033	
45.	Shinde Kalyani Bhausaheb	9699807196	
46.	Pawade Bhakti Rajendra	9325341841	
47.	Pathare Megha Machhindra	9356868207	
48.	Nhe Rahul Appasaheb	9766843093	
	Girls - 28		
	Boys - 20		
	Total = 48		

26/04/22

HEAD
DEPARTMNET OF ZOOLOGY
Arts, Commerce & Science College, Satral
Ta. Rahuri, Dist. Ahmednagar-413711

PRINCIPAL
Art, Commerce & Science College
Satral, Tal. Rahuri, Dist. A'Nagar

Feedback of the participants

Date: 26-4-2022

Name of the organizing college / Department: Zoology

Name of the activity: Field visit to Sericulture & Vermiculture unit

Participants name and address: Musmade Deepak Anil
At.P. Tambare Tal. Rahuri Dist. Ahmednagar

Participants mobile no: 9 3 7 0 6 1 5 6 1 3

Faculty: - ~~Arts~~/ Commerce/ Science

Mark (✓) the following square

a. Usefulness of this activity for students' development:
   Satisfactory [✓] Unsatisfactory [ ]
b. Was the period sufficient for the activity?
   Yes [✓] No [ ]
c. Organization of activity was up to mark
   Yes [✓] No [ ]
d. Any other suggestions: - No any Suggestion But field visit is very useful & knowledgable for futer life

Signature of participants

PRINCIPAL
Art,Commerce & Science College
Satral,Tal.Rahuri,Dist.Ahmednagar

6. Extension Activity Conducted by NSS

6.1 Tree Plantation Program

Permission Letter

Date: 27.12.2022

To,

The Principal,

Arts, Commerce and Science College Satral

Subject: Request for Permission: Tree Plantation Program in Satral Village

Dear Principal,

I am writing to seek your permission on behalf of the National Service Scheme (NSS) with Collaboration with Department of Botany to organize a Tree Plantation Program in Satral village on 1 January 2023. The Tree Plantation Program aims to contribute to environmental sustainability and community beautification efforts. Our plan includes planting saplings in designated areas within Satral village, with the participation of Volunteers from our college under the guidance of NSS Program officers.

We assure you that all necessary preparations, including sourcing of saplings and coordination with local authorities, will be handled responsibly to ensure the success of the Tree Plantation Program.

Your support for this endeavor is crucial in enabling us to make a positive impact on the environment and engage our students in meaningful community service.

Thank you for considering our request. We look forward to your favorable response.

Yours sincerely,

Permitted

Programme Officer
National Service Scheme
Art's,Commerce And Science College
Satral,Tal.Rahuri,Dist.Ahmednagar.

LOKNETE DR. BALASAHEB VIKHE PATIL
(PADMA BHUSHAN AWARDEE)
PRAVARA RURAL EDUCATION SOCIETY'S
ARTS, COMMERCE AND SCIENCE COLLEGE
SATRAL

Date: 28.12.2022

Student Notice

(National Service Scheme)

All NSS volunteers of the college are hereby notified that a Tree Plantation Drive will be organized in Satral and Songaon village, on 01.07.2023 at 11:00 a.m. on the college premises. Attendance will be marked at the program.

Principal
Arts, Commerce and Science College,Satral
Tal- Rahuri, Dist- Ahmednagar- 413711

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee) Pravara Rural Education Society's

ARTS COMMERCE AND SCIENCE COLLEGE SATRAL

NATIONAL SERVICE SCHEME

Tree Plantation Program- 01/07/2023

The National Service Scheme Department of the College of Arts, Commerce, and Science took the initiative to plant a variety of medicinal plants in the Satral, Dhanore, and Songaon areas. Some of the plants included Hirda, Behda, Shevga, Tamarind, Jambhul, etc. The volunteers actively participated in the tree plantation activity, with a total of 34 volunteers from the National Service Scheme of the college joining in this commendable effort.

Tree Plantation Photographs

(a)

(b)

Photo:Plantation of medicinal plants in satral and songaon villages Date:01/07/2023

Programme Officer
National Service Scheme
Art's, Commerce and Science College
Satral, Tal. Rahuri, Dist. Ahmednagar.

Art's, Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

Principal
PRINCIPAL
Art,Commerce & Science College
Satral,Tal.Rahuri,Dist.A'Nagar

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee)

Pravara Rural Education Society's

Arts, Commerce and Science College, Satral

NATIONAL SERVICE SCHEME (NSS)

Name of Program: Tree plantation program

Date : 01.07.2023

Sr. No.	Name of Student	Class	Signature
1	Gagare Priyanka Manjabhau	B.Sc	Priyanka
2	Gagare shraddha Suresh	B.Sc	Shraddha
3	Belkar vaishnavi Sandip	B.Sc	Vaishnavi
4	Lokande Nikita Vijay	B.Sc	Nikita
5	Shinde Shubhangi Gokul	B.Sc	Subhangi
6	Palghadmal Harshada Navnath	B.Sc	Harshada
7	Waghchaure Gayri Gorakshnatha	B.Sc	Gayri
8	Waghchaure vaishnavi Vijay	B.Sc	Vaishnavi
9	Gawade Gayatri Vishvanath	B.Sc	Gayatri
10	Gagare disha Sambhaji	B.Sc	disha
11	Gagare Pooja Ravindra	B.Sc	Pooja
12	Musmade Pratiksha Samarth	B.Sc	Pratiksha
13	Mansuri Jainab Siraj	B.Sc	Jainab
14	Nakade Nikita Raybhan	B.Sc	Nikita
15	Parvat Ashwini Tukaram	B.Sc	Ashwini
16	Anap Kalyani Balasaheb	B.Sc	Kalyani
17	Dhepe Akanksha Sanjay	B.Sc	Akanksha
18	Mandhare Shubham Prakash	B.Sc	Shubham

Programme Officer
National Service Scheme
Art's,Commerce And Science College
Satral.Tal.Rahuri,Dist.Ahmadnagar.

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee)

Pravara Rural Education Society's

Arts, Commerce and Science College, Satral

NATIONAL SERVICE SCHEME (NSS)

Name of Program: Tree Plantation Programme

Date : 01.07.2023

Sr. No.	Name of Student	Class	Signature
19	Gagre krushna Bapusaheb	BSc.	Krushna
20	Bhot Sanjana Subhash	BSc	Sanjana B.B
21	Chaudhari Sakshi S.	B. SC	Sakshi
22	Ghogare Shradha Rajendra	BSC.	Shradha.
23	Shinde priyanka babasaheb.	Bsc.	priyanka
24	Tathe Aditya Baccha.	B.Sc.	
25	Gagare Gayatri Arun.	B.Sc	
26	Shepe Kiran Bhagwat.	B.Sc	Kiran
27	Anap Rushikesh Ramesh	B.Sc	Rushikesh
28	Belkar Dipali B.	B.Sc	Dipali B
29	Gagare Sonali A.	B.Sc	Sonali A
30	Kharde Nikita R.	B.Sc	Nikita R
31	Musmade Shivani D.	B.Sc	Musmade
32	Belkar komal c.	B.Sc	Komal.C.
33	Digha Mahesh R.	B.Sc	Mahesh.R
34	Bhagwat Suvarna S.	B.Sc	Suvarna

Programme Officer
National Service Scheme
Arts, Commerce And Science College
Satral, Tal. Rahuri, Dist. Ahmednagar.

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee)

Pravara Rural Education Society's

ARTS, COMMERCE AND SCIENCE COLLEGE, SATRAL

NATIONAL SERVICE SCHEME

Organized

Swachhta Bharat Campaign

on

04.01.2023

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee)

Pravara Rural Education Society's

Arts, Commerce and Science College, Satral

National Service Scheme

Date: 02.01.2023

To,

The Principal,

Arts, Commerce and Science College,

Satral

Subject: Permission to organise Swachhta Bharat Campaign in Satral and Songaon Villages

Respected Sir,

I am writing to seek your permission on behalf of the National Service Scheme (NSS) to conduct a Swachhta Bharat Campaign in Satral and Songaon villages on 4th January 2023.The campaign aims to promote cleanliness and hygiene practices among the residents of these villages. It will involve Volunteers from our college participating actively in cleaning public spaces, spreading awareness about waste management, and encouraging community involvement in maintaining cleanliness.

Your support for this endeavor is crucial in enabling us to make a positive impact on the villages of Satral and Songaon. We are confident that this campaign will reflect positively on our college's commitment to social responsibility and community service.

Thank you for considering our request.

Yours sincerely,

Permitted

Programme Officer
National Service Scheme
Art's,Commerce And Science College
Satral,Tal.Rahuri,Dist.Ahmednagar.

Date- 03/01/2023

Student Notice

(National Service Scheme)

All the NSS volunteers of the college are hereby notified that a *Swachhta Bharat Abhiyan* will be organized on January 04, 2022 in Satral, Songaon and Dhanore at 10.00 a. m. Attendance will be marked at the program.

Principal
Arts, Commerce and Science College,Satral
Tal- Rahuri, Dist- Ahmednagar- 413711

NATIONAL SERVICE SCHEME

Report on Swachhta Bharat Abhiyan

On 4/1/2023, the volunteers from Loknete Dr. Balasaheb Vikhe Patil (Padma Bhushan Awardee) Pravara Rural Education Institute Society's Arts, Commerce, and Science, Satral, conducted **Swachhta Bharat Campaign** in the Satral, Songaon and Dhanore villages. This initiative was organized by the National Service Scheme Department. The volunteers actively cleaned various public places, including schools, hospitals, roads, and graveyards. A total of 54 NSS volunteers participated in this commendable activity.

Swachhta Bharat Abhiyan [4/1/2023]

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee)

Pravara Rural Education Society's

Arts, Commerce and Science College, Satral

NATIONAL SERVICE SCHEME (NSS)

Name of Program: Swachha Bharat Abhiyan

Date : 04.1.2023

Sr. No.	Name of Student	Class	Signature
1	Sayyad Heena shabbir	B.A	Sayyad.H
2	Kadam priti Rajendra	B.A	Priti
3	Sarode Sakshi Tukaram	B.Sc.	Sakshi
4	kadu sharda balasaheb	B.Sc	Sharda
5	Dighe Nikita balasaheb	B.Sc.	Dighe Nikita B
6	Jagre Rutuja balasaheb	B.A.	Rutuja
7	Kote Tejaswini B.	B.Sc	Kote T.B
8	Jawale Priti N	B.Sc	Jawale
9	Pawar Akshada.V.	B.A	Akshada V.
10	wadle Nayan.B.	B.com	Nayan
11	Antre Pranav Raosaheb	B.com	Pranv
12	Kahar Tushar Laxman	B.A	Tushar
13	Dighe palkavi sonnath	Bsc.	Palkavi D.
14	chokhar susmhma S.	B.A.	Sushama
15	Dukre Jamrudhi C.	B.A	Jamrudhi
16	chaudhri sapana.B	B.Sc.	Sapana
17	Gosavi priya Datta	Bsc.	Priya
18	Jagre Ashish Jalindar	B.com	Ashish

Programme Officer
National Service Scheme
Art's,Commerce And Science College
Satral,Tal.Pathuri,Dist.Ahmednagar.

6.3 Plastic Collection Campaign

Permission Letter

Date: 17.10.2022

To,

The Principal,

Arts, Commerce and Science College Satral

Subject: Request for Permission: Plastic Collection campaign

Respected Sir,

I am writing to seek your permission on behalf of the National Service Scheme (NSS) to conduct a Plastic Collection Campaign in Satral and Songaon villages on 19 October 2022. The campaign aims to promote cleanliness and hygiene practices among the residents of these villages. It will involve Volunteers from our college participating actively in cleaning public spaces, spreading awareness about waste management, and encouraging community involvement in maintaining cleanliness.

Your support for this endeavor is crucial in enabling us to make a positive impact on the villages of Satral and Songaon. We are confident that this campaign will reflect positively on our college's commitment to social responsibility and community service.

Thank you for considering our request. We look forward to your favorable response.

Yours sincerely,

Date- 18/10/2022

Student Notice

(National Service Scheme)

All NSS volunteers of the college are hereby notified that a ***Plastic Collection*** campaign will be organized on October 19, 2022 in Satral, Songaon and Dhanore at 10:00 a.m. Attendance will be marked at the program.

Principal
Arts, Commerce and Science College,Satral
Tal- Rahuri, Dist- Ahmednagar- 413711

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee) Pravara Rural Education Society's

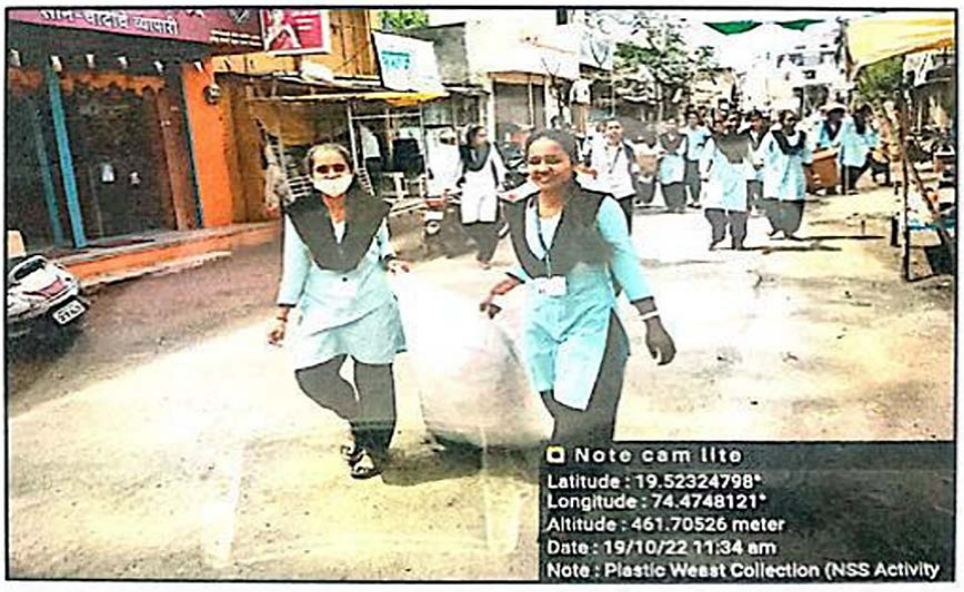
ARTS COMMERCE AND SCIENCE COLLEGE SATRAL

NATIONAL SERVICE SCHEME

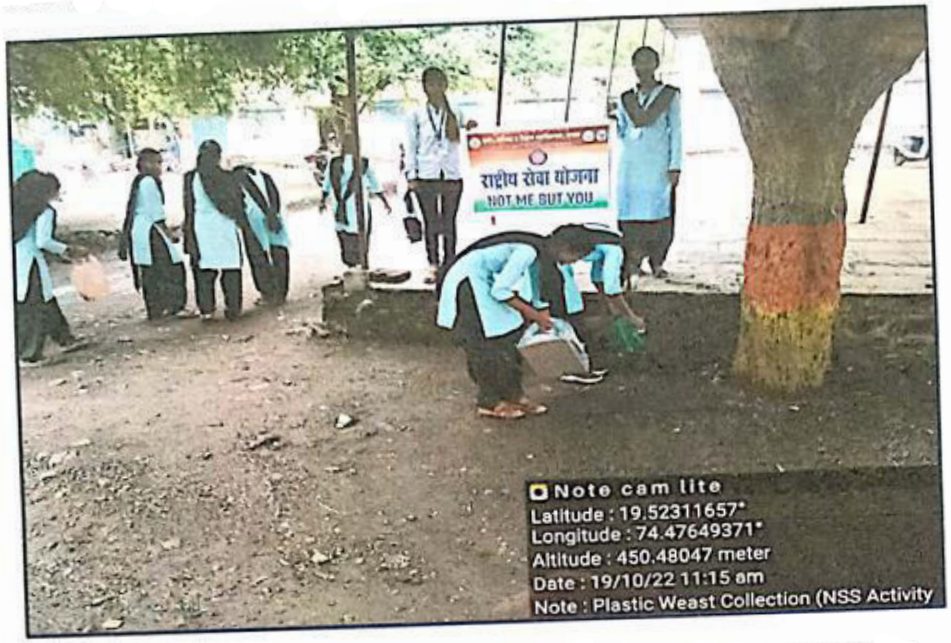
Plastic Collection Campaign- 19.10.2022

Under the directives of the Regional Director, National Service Scheme (NSS) Regional Office, Government of India, Pune, and the State Liaison Officer, NSS, Higher and Technical Education Department, Maharashtra, and the Youth Affairs and Sports Department, Government of India, the 'Swachh Bharat Abhiyan' (Clean India Campaign) was implemented by the National Service Scheme unit of Loknete Dr. Balasaheb Vikhe Patil (Padma Bhushan awardee) Pravara Rural Education Society's Arts, Commerce, and Science College, Satral. The primary objective of this campaign was to ensure the cleanliness of public places.

During this initiative, NSS volunteers from the college collected all plastic waste from various locations including the Sataral market area, Gram Panchayat office, Primary Health Center, main roads, and the Songaon bus station vicinity. The collected plastic waste was then transported to the waste depot using the Gram Panchayat's waste collection vehicle. 43 NSS volunteers participated in this endeavor. The residents of Sataral, Songaon, and Dhanore appreciated the efforts of the volunteers.



NSS Volunteers collecting plastic waste Date:19/10/2022



NSS Volunteers transforming weekly Market premises into clean spaces Date:19/10/2022

Volunteers collected plastic waste from public places Date:19/10/2022

Programme Officer
National Service Scheme
Art's,Commerce And Science College
Satral,Tal.Rahuri,Dist.Ahmednagar.

Art's,Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

Principal
Arts, Commerce and Science College,Satral
Tal- Rahuri, Dist- Ahmednagar- 413711

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee)

Pravara Rural Education Society's

Arts, Commerce and Science College, Satral

NATIONAL SERVICE SCHEME (NSS)

Name of Program: Plastic collection drive

Date : 19.10.2022

Sr. No.	Name of Student	Class	Signature
1)	Musmade Vivek Sanjay	B.A	Vivek
2)	Shinde Komal Suresh	B.A	
3)	Wabi Harshal sopan	B.Sc	
4)	Balme Durga Dadasaheb	B.Sc	
5)	Ghorpade Nikita Sanjay	B.Sc	Nikita
6)	Dighe Priyanka Babasaheb	B.Sc	
7)	Lokhande Saurabh Babasaheb	B.Sc	Lokhande
8)	Nalkar Vikas Ramnath	B.Sc	
9)	Anarthe Akshay Dinkar	B.Sc	
10)	Dive Adesh Balasaheb	B.A	
11)	Harde Shweta Paraji	B.Sc	
12)	Gholap Rupali Sanjay	B.com	
13)	Gagare Prajjwal Rajendra	B.com	
14)	Shaikh Mahevish Asif	B.A	
15)	Dethe Prasad Namdeo	B.Sc	
16)	Pawar Rohit Ramdas	B.A	Pawar
17)	PANJABI DIP SANJAY	B.A	
18)	Belkar Vaishnavi Sandip	B.Sc	

Programme Officer
National Service Scheme
Art's,Commerce And Science College
Satral,Tal.Rahuri,Dist.Ahmednagar.

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee)

Pravara Rural Education Society's

Arts, Commerce and Science College, Satral

NATIONAL SERVICE SCHEME (NSS)

Name of Program: Plastic collection Drive

Date : 19.10.2021

Sr. No.	Name of Student	Class	Signature
19)	Gagare Disha Sambhaji	B.Sc	Gagare
20)	Anap Kalyani Balasaheb	B.Sc	Anap.
21)	More Jagdish Mangaldas	B.Sc	More.
22)	Shinde lalit Sarferao	B.Sc	Lalit
23)	Nakade Nikita Rayhhan	B.Sc	Nikita.
24)	Gawade Gayatri vishvanath	B.Sc	Gawade.
25)	Sarode Sakshi Tukaram	B.Sc	Sarode.
27)	Kadu shraddha Balasaheb	B.Sc	Kadu
27)	Antre Vaishnavi Dilip	B.Sc	Antre
28)	Gosavi Priya Datta	B.Sc	Gosavi.
29)	Pawar Akshada Vishvanath	B.A	Pawar
30)	Gagare Rutuja Balasaheb	B.A	Gagare
31)	Gagare Arti Bibhishan	B.A	Gagare.
32)	Wable Nayan Baban	B.com	Wable
33)	Gagare Ashish Jalindar	B.Com	Gagare
34)	Nalkar shital sanjay	B.Sc	Nalkar.
35)	Parode Bhushan Kailas	B.com	Parode
36)	Nehe Rahul Appasaheb	B.Sc	Nehe

Programme Officer
National Service Scheme
Arts,Commerce And Science College
Satral, Tal.Rahuri,Dist.Ahmednagar.

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee)

Pravara Rural Education Society's

Arts, Commerce and Science College, Satral

NATIONAL SERVICE SCHEME (NSS)

Name of Program: Plastic collection Drive

Date : 19.10.2021

Sr. No.	Name of Student	Class	Signature
37).	Nehe saurabh Ashok	B.Sc	
38)	Shinde Poonam Sandip	B.com	
39)	Dukare Mahesh Bhausaheb	B.Sc	
40)	Gholap Aditya Sanajay	B.Sc	
41)	Gagare vaishnavi Ashok	B.com	
42)	Sinare Tushar Appasaheb	B.Sc	
43)	Nehe Yuvraj Santosh	B.Sc	
	Total - 43		

Programme Officer
National Service Scheme
Arts, Commerce And Science College
Satral, Tal. Rahuri, Dist. Ahmednagar.

6.4 Cleanliness Campaign

Permission Letter

Date: 28.06.2022

To,

The Principal,

Arts, Commerce and Science College Satral

Subject: Request for Permission Cleanliness campaign

Respected Sir,

I am writing to seek your permission on behalf of the National Service Scheme (NSS) to conduct a Cleanliness Campaign in Satral and Songaon villages on 1th July 2022. The campaign aims to promote cleanliness and hygiene practices among the residents of these villages. It will involve Volunteers from our college participating actively in cleaning public spaces, spreading awareness about waste management, and encouraging community involvement in maintaining cleanliness.

Your support for this endeavor is crucial in enabling us to make a positive impact on the villages of Satral and Songaon. We are confident that this campaign will reflect positively on our college's commitment to social responsibility and community service.

Thank you for considering our request. We look forward to your favorable response.

Yours sincerely,

Date- 29/07/2022

Student Notice

(National Service Scheme)

All NSS volunteers of the college are hereby notified that a *Cleanliness* campaign will be organized on July 01, 2022 in Satral, Songaon and Dhanore at 10:00 a.m. Attendance will be marked at the program.

Principal
Arts, Commerce and Science College,Satral
Tal- Rahuri, Dist- Ahmednagar- 413711

Report

Date:01/07/2022

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee) Pravara Rural Education Society's

ARTS COMMERCE AND SCIENCE COLLEGE SATRAL

NATIONAL SERVICE SCHEME

Cleanliness Campaign

According to a communication from the Department of Youth and Sports, Ministry, New Delhi, and as directed by the Regional Director of the NSS Regional Directorate, Government of India, Pune, the *Swachhta Pandharwada* was implemented at the College of Arts, Commerce, and Science on Friday, 01July 2022 at 10 am.Under this initiative, 150 National Service Scheme volunteers conducted cleanliness drives in Satral, Dhanore, Kanadgaon, and the college premises.

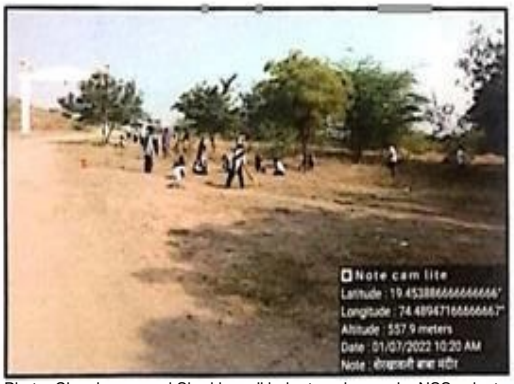


Photo: Cleaning around Sherkhawali baba temple area by NSS volunteers Date:01/07/2022

Photo: NSS Volunteers engage in cleaning graveyard Date:01/07/2022

Programme Officer
National Service Scheme
rt's,Commerce And Science College
Satral,Tal.Rahuri,Dist.Ahmednagar.

Arts, Commerce & Science College Tal.Rahuri, Dist.A'Nagar Satral

Principal
Arts, Commerce and Science College,Satral
Tal- Rahuri, Dist- Ahmednagar- 413711

Attendence

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee) Pravara Rural Education Society's

Arts, Commerce and Science College Satral

National Service Scheme

Name of Program- cleanliness campaign

Date- 01/07/2022

Sr. No.	Name of Volunteer	Class	Signature
1	Gagare krushna Bapusaheb	B.Sc	Gkrushna
2	Bhot Sanjana Subhash	B.Sc	B.S.S
3	Bhusari dipali Rajendra	—11—	Dipali
4	Gbogare Shraddha Rajendra	—11—	G..
5	Harde kanchan kanifnath	B.Sc	Hkanchan
6	Bhagwat Suvarna Suresh.	B.Sc	Suvarna
7	Belkar komal changdev	B.Sc	B.k.C
8	Tajne Aarti pravin	—11—	Aarti
9	Shinde priyanka Babasaheb.	—11—	Pshinde
10	Chaudhari sakshi ~~Subhis~~ Sitaram	B.Sc	Sakshi
11	Waghchaure prajakta Gokul	—11—	W.prajakta
12	Dighe mahesh Rajendra.	—11—	Mahesh
13	Tathe Aditya bacchu.	—11—	Aa[illegible]
14	Gagare Gayatri Arun	—11—	Gayatri
15	Dhepe kiran bhagwat.	—11—	Dkpe.k
16	Anap Rushikesh Ramesh.	—11—	Rushi
17	Gagare Jayshree Radhakrish	—11—	Jayshree
18	Belkar Dipal Bhausaheb	B.Sc	Dipali
19	Suryawanshi akshada popat.	B.Sc	Sakshada
20	Gagare Sonali Annasaheb	B.Sc	Sonali.G
21	Gagare Sonali Rajendra	B.Sc	Sonali

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee) Pravara Rural Education Society's

Arts, Commerce and Science College Satral.

National Service Scheme

Name of Program- **cleanliness campign**

Date- **01/07/2022**

Sr. No.	Name of Volunteer	Class	Signature
22	Kharde Nikita Rajendra.	B.S.C	Kharde N.R
23	Musmade Shivani Dagadu.	B.S.C	
24	Dhamble Vishal Himmat	B.S.C	
25	Lokhande vishakha sandip.	B.S.C	Lokhande
26	Naikar shital sanjay.	B.S.C	
27	pathare Akshada Sunil.	B.S.C	Akshada
28	Shirsath Abhijit GoRakh.	B.S.C	
29	Londhe gagan ambadas	BSC	
30	Nehe Akshay Balasaheb.	B.S.C	
31	Darode Bhushan Kailas	B.Com	
32	Shaikh najish hamid.	B.A	
33	Nehe Saurabh Ashok.	B.S.C	
34	Brambane Pratik Nanasaheb	B.A	
35	Nehe Rahul Appasaheb	B.S.C	
36	Wakte Ganesh Ravan.	B.A	
37	Shinde poonam Sandip.	B.com	
38	Sarwane Dhanashri Rajendra.	B.S.C	
39	More dipali santosh.	B.S.C	
40	Dukre mahesh Bhausaheb	B.S.C	
41	Auti siddhant vilas	B.S.C	
42	Musmade Deepak Anil.	B.S.C	

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee) Pravara Rural Education Society's

Arts, Commerce and Science College Satral

National Service Scheme

Name of Program- Cleanliness campaign

Date- 01/07/2022

Sr. No.	Name of Volunteer	Class	Signature
43.	Gawade Dattatray Baburao	BSC.	D.G
44.	Golap Aditya Sanjay	BSC.	Aditya
45	Harde Vaishnavi Laxman	BA.	Vaishnavi
46	PATOLE POOJA BABURAO	B.COM.	Poojpatole
47	GAGARE VAISHNAVI ASHOK	B.com.	Vaishnavi
48	BALME PAVAN GANGADHAR	B.A	Pavan.Balme
49	MUSMADE VIVEK SANJAY	B.A.	Vivek.M
50	SHINDE KOMAL SURESH	B.A.	Komal
51	Bramhane pallavi Suresh	B.com.	PallviB.
52	shelar Siddarth Prabhakar	B.S.C	Sidharth
53	wani harshal sopan.	B.S.C	Wani.harshal
54	ponde kiran Dnyandev.	B.S.C	K.P.
55	Musmade sachin Revji	B.S.C	Sachin.M
56	Balme Durga Dadasaheb.	B.S.C	Durga
57	Shinde Kalyani Bhausaheb.	B.S.C	Kalyani
58	sinare Trupti sunil.	B.S.C	Trupti
59	Gharpade nikita sanjay.	B.S.C	G.N.S
60	wani Ashwini Babasaheb	B.S.C	Ashwini
61	Vyavhare Monali Madhukar	B.S.C	Monalivyare
62	Dighe priyanka Babasaheb	B.S.C	PB
63	londhe mahesh nanasaheb	B.S.C.	Mahesh

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee) Pravara Rural Education Society's

Arts, Commerce and Science College Satral

National Service Scheme

Name of Program- cleanliness campaign

Date- 01/07/2022

Sr. No.	Name of Volunteer	Class	Signature
64.	Gagare Tejas Dadasaheb	B.S.C	Gtejas.
65.	Lokhande Saurabh Babasaheb	B.S.C	Saurabh
66	Suryawanshi Shubham Sanjay	B.S.C	Shubham
67	Sinare ABhishek Sanjay	B.S.C	Abhishek.
68	Nalkar vikas Ramnath	B.S.C	Vikas N.
69	Nalkar Abhishek Ramdas	B.S.C	Abhishek
70	Musmade Akshada Rajendra.	B.S.C	MAkshada
71	Anarthe Akshay Dinkar.	B.S.C	Akshay.
72	Shirsath Priti Haushabapu	B.A	Shirsath P.
73	Kadam Trupti Rajendra	B.A	Trupti.
74	Dive Adesh Balasaheb.	B.A.	Dive Adesh.
75	Harde shweta Paraji	B.S.C	Hardeshweta
76	Sanavane nikita Eknath	B.A	Nikita
77	Belkar Dhanashri Haribhau.	B.A.	Dhanashri
78	Vidhate Jijabai John.	B.A	Vidhate J.
79	Gholap Rupali Sanjay	B.com	Rupali G.
80	Thete sarika Dattatray.	B.com	Thetes.
81	Pradhan Gauri Vijay	B.Com	Gauri
82	Gagare ~~Sambhaji~~ Anjali Sambhaji	B.Com	Anjali
83	Dukre Shubham Vilas.	B.Com	Shubham.
84	Nalkar Vaishnavi Jalindar.	B.Com	Vaishnavi

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee) Pravara Rural Education Society's

Arts, Commerce and Science College Satral

National Service Scheme

Name of Program- cleanliness campaign

Date- 01/07/2022

Sr. No.	Name of Volunteer	Class	Signature
85	Gagre Prajwal Rajendra	B.Com	Prajwal
86	More Akshay Madhav	B.Com	Akshay
87	Shaikh Sahil Shabbir	B.A.	Sahil
88	Shaikh Mahevish ASIF	B.A.	M.A.S
89	ADsure krushna balasaheb	B.A.	krushna
90	Jorvekar Atish Appasaheb	B.A.	Atish
91	Antre komal shastri	B.Com	Akomal
92	Dethe Prasad Namdeo	B.S.C	Prasad.
93	Tambe Rohan Somnath	B.S.C	Rohan.
94	Mali Rushikesh Balasaheb	B.A	Rushikesh.M.
95	Pawar Rohit Ramdas	B.A	Rohit.
96	Sinare Mahesh Balasaheb	B.S.C.	Mahesh.
97	Shaikh Mahesh Balasaheb	B.A	ShaikhMahesh.
98	Pimpale umesh Balasaheb	B.A	Upimpale
99	panjabi Dip Sanjay	B.A	Dhepekavanu
100	Dhepe Ketan Dnyandev	B.A	Ketan.
101	Gagare Priyanka Manjabapu.	B.S.C	Priyanka
102	Gagare Shraddha Suresh	B.S.C	Shraddha
103	Belkar Vaishnavi sandip	B.SC	Vaishnavi Lokhande.N.V
104	Lokhande Nikita vijay	B.S.C	Lokhande.N.V.
105	Shinde Shbhangi Gokul	B.SC	Shinde.S.G.

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee) Pavara Rural Education Society's

Arts, Commerce and Science College Satral

National Service Scheme

Name of Program- clenliness campaign

Date- 01/07/2022

Sr. No.	Name of Volunteer	Class	Signature
106	Palghadmal harshada kailas	B.S.C	harshada
107	Ambedkar harshada Navnath	B.S.C	Ambedkar.h
108	Gagare Disha Sambhaji	B.S.C	Disha
109	Gagare pooja Ravindra	B.S.C	Pooja
110	parvat Ashwini Tukaram.	B.S.C	Ashwini
111	Anap Kalyani Balasaheb.	B.S.C	Anap. Kalyani
112	Dhepe Akansha Sanjay	B.S.C	Dhepe
113	Mandhare Shubham Prakash	B.S.C	Shubham
114	More Jagdish Mangaldas	B.S.C	More.J.
115	Tajane Ajit Vijay	B.S.C	Ajit
116	Pitekar Swamiraj Shankaram	B.S.C	Swamiraj
117	shinde Lalit Sarjerao	B.S.C	shinde
118	Musmade Prajwal Suresh	B.S.C	M.Prajwal
119	INamdar Simran Shaki	B.S.C	Simran
120	Nakade NIKITA Raybhan	B.S.C	
121	Mansur Janab Sikaj	B.S.C	Janab
122	Musmade Pratiksha Som	B.S.C	Pratiksha
123	Gawade Gaytri vishwnath	B.S.C	Gawade
124	Waghchaure vaishnavi vijay	B.S.C	vaishnavi.
125	Waghchaure Gauri GoRakshnath	B.S.C	Gauri
126	Palghadmal vidya paulas	B.S.C	Vidya

Arts, Commerce and Science College Satral

National Service Scheme

Name of Program- cleanliness campaign

Date- 01/07/2022

Sr. No.	Name of Volunteer	Class	Signature
127	Sarode Sakshi Tukaram	B.S.C	Sakshi
128	Kote Tejaswini Bharat	B.S.C	Tejaswini
129	Chaudhari Sapana Balu	B.S.C	Sapana
130	Kadu Shradha Balasaheb	B.S.C	KS
131	Dighe nikita Balasaheb	B.S.C	Nikitaaaa
132	Dighe Pallavi Somnath	B.S.C	Pallavi
133	Antre Vaishnavi Dilip	B.S.C	Vaishnavi
134	Gulave Suchita Radhakrishna.	B.S.C	Suchita.
135	GoSavi Priya Datta	B.S.C	Priya.
136	Jawale Pirti Nandkumar	B.S.C	Jawale.
137	PaLAnde Aparna Rajendra	B.A	APA
139	pawar AKshada vishvalth	B.A	Akshadaaa
140	Chokhar sushma Suresh	B.A	Sushmaaa
141	Gagare Rutuja Balasaheb	B.A	Rutu.
142	Mandlik Divya Santosh	B.A	Divya
143	Dukre Samrudhi chandrakant	B.A	Dukre
144	kadam priti Rajendra	B.A	Priti kadam
145	sayyad Heena H shabbir.	B.A	Heena.
146	Gagare Arti Bibishan	B.A	Aarti
147	Nalkare jayesh Gorakshnath	B.A	Jayesh
148	~~Kahar Tushar Laxman~~	~~B.A~~	

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee) Pravara Rural Education Society's

Arts, Commerce and Science College Satral

National Service Scheme

Name of Program- cleanliness campaign

Date- 01/07/2022

Sr. No.	Name of Volunteer	Class	Signature
148.	Kahar Tushar Laxman	B.A	Tkahar
149	Wable Nayan Baban	B.Com	Wable.
150	Antre Pranav Raosaheb	B.com	Pranav
151	Gagare Ashish Jalindar.	B.Com	Ashish.G.
152	Pathan Numan Jamil	B.Com	Pathan
153	More priya Sandip.	B.Com	M.Priya
154	Thorat Rohan Digambar.	B.A	Rthorat
155	Kadu Pranita Tatyasaheb.	B.A	Kadupranita
156	Kadam Pratiksha Rajendra.	B.A	Pkadam.
157	Sinare Mayuri Bhanudas.	B.A.	MS.
158	Tumbare Mayur pandurng	B.Com	Mayur
159	Dighe Sakshi Appasaheb	B.Com	Sakshi
160	Khaladkar Divya Goraksh.	B.Com	Dkhaladkar.
161	Londhe ~~Dilip~~ vaibhav Dilip	B.Com	Londhevaibhav
162	Dhepe Amruta Tukaram	B.A	Amruta.
163	Antre Samiksha Ravindra.	B.A	Antre.
164	DHamble Rohan Roshan.	B.A	Rohannn
165	Gade Dipak Popat	B.A	Dipak
166	Londhe Shital Sanjay	B.A	Shital
167	Kshirsagar Gayatri Milind	B.A	K.G.M.
168.	Gagare vaibhav Bhausaheb.	B.Com	Vaibhav

Registration Certificate of Power Tech Energy Solutions:

NSK No. 239865

Government of Maharashtra

Maharashtra Mumbai Shops and Establishments Act, 1948

Certificate of registration of the organization

1. **Registration Number** : Part-2/293/2014
2. **Name of the Organization** : Powertech Energy Solutions
3. **Name of Employer (Employer)** : Atul Sharad Kakad

   Swanil Sanjay Gaikwad

   Nikhil Chandrakant Chaudhary
4. **Nature of Business** : Conducting electrical safety audit and energy audit.
5. **Address of the Place of Business**: Flat no. 6 Vaikunth Apartment Bire Nagar Dwarka, Nashik
6. **Previous Registration Number** :
8. **Weekly Closed on** : Sunday

Maharashtra Mumbai Office of Inspector under Shops and Establishments Act, 1948

This is a certificate that **Power Tech Energy Solutions** is registered as a company under the Mumbai Shops and Establishments Act, 1948 on date 19/03/2014

S/d
Inspector
(Mumbai Shop and Establishment Act, 1948)

(Note if there is any change in the above information)

This is only a certificate of registration and not a license and since this certificate is issued, the building in which the shop/establishment is situated. In that building no validity is automatically conferred. Also the building in which this shop/establishment is situated, existing as on date. In this regard, this certificate does not confer any right or establishment on the said employer.