



Shirdi Sai Rural Institute's  
**ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA**

"NAAC REACCREDITED "B++" GRADE COLLEGE"

A/P/Tal-Rahata,

Dist.-Ahmednagar. (M.S.) 423107

Affiliated to Savitribai Phule Pune University, Pune

[www.ascrahata.org](http://www.ascrahata.org)



**SELF STUDY REPORT-CYCLE 3  
2018-2023**

**Criterion: VII**  
**Institutional Values and Best Practices**

**Key Indicator: 7.1**  
**Institutional Values and Social Responsibilities**

**Metric: 7.1.3 (Q<sub>n</sub>M)**

Quality audits on environment & 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 environment promotion activities.

*Submitted to*  
**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)**  
**BENGALURU**



Shirdi Sai Rural Institutes,  
**Arts, Science and Commerce College, Rahata**

Tal- Rahata, Dist-Ahmednagar, Pin - 423107 (MS)  
(University of Pune Affiliated ID No. PU/AN/ASC/052/1997)  
NAAC RE-ACCREDITED "B++" GRADE COLLEGE



Ref. : ASCCR /

Date


**DECLARATION**

We the undersigned, hereby declare that all information, reports, true copies of the supporting documents, and numerical data submitted by our institution for the purpose of NAAC accreditation have been thoroughly verified by the Internal Quality Assurance Cell (IQAC). We affirm that these submissions are accurate and correct as per our records.


This declaration pertains specifically to the accreditation process for the third cycle of the institution, covering the period from 2018-19 to 2022-23.

Thank you.

Sincerely,

  
**Dr. Vikram P. Bhalekar**  
Coordinator  
Internal Quality Assurance Cell  
Arts, Science and Commerce College, Rahata



  
**Prof. (Dr.) Somnath S. Gholap**  
Principal  
Arts, Science and Commerce College  
Rahata, Tel-Rahata, Dist-Ahmednagar

Date-30/07/2024

Place- Rahata

Recipient of "Best Rural College Award" from Student Welfare Board, (2011- 12 & 2013-14)  
by Savitribai Phule Pune University, Pune - 07 | NAAC Track ID - MHCOGN 80225 AISHE CODE - C - 41932  
Phone : (02423) 295488 Email: principal.ascrahata@pravara.in | rahatacollege@rediffmail.com | Website: www.ascrahata.org

## **QIM: 7.1.3: Action Taken Report and Achievements**

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## **1 Action Taken Reports (ATR) & Achievement: Clean & Green Campus Initiatives**

### **Introduction and background:**

ACS College Rahata is devoted to fostering environmental sustainability and responsible living practices alongside its primary educational goals. To ensure a strong emphasis on environmental responsibility, the institution has integrated a comprehensive Green, Energy and Environment Audit into its policy framework.

The college's commitment to sustainable development is further evidenced by its successful completion of Environmental Audits for the fiscal years 2021-2022, 2022-2023, and 2023-2024, carried out by Power Teach Energy Solutions, Pune. The audit team conducted site visits to assess the college's environmental practices, as well as its management of energy and water resources and overall green initiatives.

Institutional authorities meticulously review the comprehensive reports from the external agency, which leads to the adoption of corrective measures and strategic interventions aimed at improving the college's sustainability practices. This thorough approach underscores ACS College Rahata's commitment to minimizing its environmental footprint and advancing a sustainable and livable future.



## 1.1 ATR on Green, Energy and Environment Audit:2021-22



**Date: 27/04/2022**

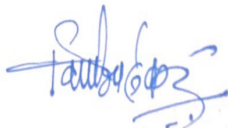
### **Action Taken Report (ATR)**

#### **Green, Energy and Environment Audit: 2021-22**

The auditing agency Power Teach Solutions, Pune conducted the Green, Environment and Energy Audit for the academic year 2021-22, After the reports provided by these auditing agencies, the following measures/ATR have been put into effect:

<b>Sr. No.</b>	<b>Area</b>	<b>Recommendation/ Remark</b>	<b>Action Taken</b>
1.	Solid Waste Management	Good initiative taken by the college towards the use of compost of solid waste and its effective use for fertilizer and biogas	The vermicomposting unit is regularly maintained, and the Zoology Department conducts outreach activities to raise awareness among villagers.
2.	Rain Water Harvesting	Rain water harvesting plant is installed in the college to utilize rain water efficiently. Groundwater is being recharged through rainwater	The bore well recharge is renovated.
3	Plastic and Paper free campus	College is taking imitative by displaying posters/banners about awareness of plastic and paper free campus	Place Posters/banners about plastic-free campus and paper-free campus.
4.	E-waste Management	The college ensures that e-waste generated by them is channelized through a collection center or dealer of the authorized producer or dismantler or recycler	The College management gives sanction to submit the E-waste to our parent institute for proper processing/recycling
5.	Awareness on Energy Conservation	Activities shall be carried out frequently for awareness of energy-saving	The Department of Physics has initiated a solar energy awareness mission in nearby villages. Third-year B.Sc. Physics students are actively participating in this activity.

6.	Renewable Energy	It is recommended to install solar PV system which will reduce the CO2 emission and benefit the college in a reduction in electricity bill	Positive discussions have been held with the management regarding the rooftop solar system. Permission may be granted based on financial considerations.
7.	Waste Management Policy	Good initiative by the college for waste disposal of hazardous waste/material	Plant leaves and other degradable waste should strictly used for the vermicomposting unit or for mulching. While other waste should be submitted to gram panchayat vehicle.

  
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## 1.2 ATR on Green, Energy and Environment Audit:2022-23 and 2023-24



**Date:** 31/04/2024


### **Action Taken Report (ATR)**

#### **Green, Energy and Environment Audit: 2022-23 and 2023-24**

The auditing agency Power Teach Solutions, Pune conducted the Green, Environment and Energy Audit for the academic year 2022-23 and 2023-24, After the reports provided by these auditing agencies, the following measures/ATR have been put into effect:

Sr. No.	Area	Recommendation/ Remark	Action Taken
1.	Solid Waste Management	Good initiative taken by college towards use compost of solid waste and its effective use for fertilizer and biogas	The vermicomposting unit is regularly maintained, and the Zoology Department conducts outreach activities to raise awareness among villagers.
2.	Rain Water Harvesting	Good initiative by the college toward water conservation	Further efforts are taken to water conservation.
3	Plastic and Paper free campus	Good initiative by college towards to implement plastic free campus	Display more posters/banners about awareness of plastic and paper-free campus.
4.	E-waste Management	College management must ensure that policy is implemented in effective way and there should not be any harmful impact on environment due to any type of wastages	E-waste is submitted to the parent institute for proper processing/recycling
5.	Awareness on Energy Conservation	Activities shall be carried out frequently for awareness of Energy saving	Department of Physics in Association with NSS students has carried out the Awareness on Energy Conservation in nearby villages.
6.	Renewable Energy	It is recommended to install solar PV system which will reduce the CO2 emission and	Ongoing discussions with the management have sanctioned to install of a 4 kW rooftop solar system. This will be done based on financial

		benefit the college in reduction in electricity bill	considerations, in the academic year 2023-2024.
7.	Waste Management Policy	Good initiative by the college for waste disposal of hazardous waste/material	Purchases of dustbins through the alumni association are initiated. Permission is granted to renovate or reconstruct the liquid waste management system

  
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### 1.3 Achievements




#### 1. Green and Clean Campus State Level Award-2023







2. Best Extension Activity Award by Shirdi Nagarparishad, Shirdi

	<b>शिर्डी नगरपरिषद, शिर्डी.</b> ता. राहाता, जि. अहमदनगर	 आजादी का अमृत महोत्सव	 श्रीशक्ति पूज्य कलाम Right to Public Service Act
E-mail id :- coshirdi@gmail.com shirdimahaulb.maharashtra.gov.in www.shirdimc.gov.in		Phone - 02423-255150 / 256110 Toll Free :- 1800-233-5150	
जा.क्र.नप/टे - ०२ / ५५३ / २०२१		दिनांक :- १८ / १० / २०२१	

To,  
The Principal,  
Arts, Science and Commerce College,  
Rahata.

Sub: - Appreciation and Award for your Extension activity..


Dear Sir,


The Covid-19 vaccination camp for Sai Devotees, Shirdi was organized by Shirdi Nagar Panchayat, Shirdi in collaboration with Rural Hospital, Rahata from 07 October to 15 October 2021 at Shirdi. The students, staff and NSS unit of your ASC, College, Rahata have actively participated and contributed for the smooth conduction of the camp.

We appreciate your Staff, Students and NSS Unit for their help and support during Covid-19 vaccination camp for Sai Devotees, Shirdi.

We further appreciate the work by awarding your NSS unit as 'Best Extension Activity Award' for their social work during Covid-19 pandemic.

Thank you very much for your cooperation

Yours Faithfully  
  
Chief Officer  
Shirdi Nagarparishad



## **2 Clean and Green Campus Initiatives**

### **2.1 Alternate sources of energy and other energy conservation initiatives**

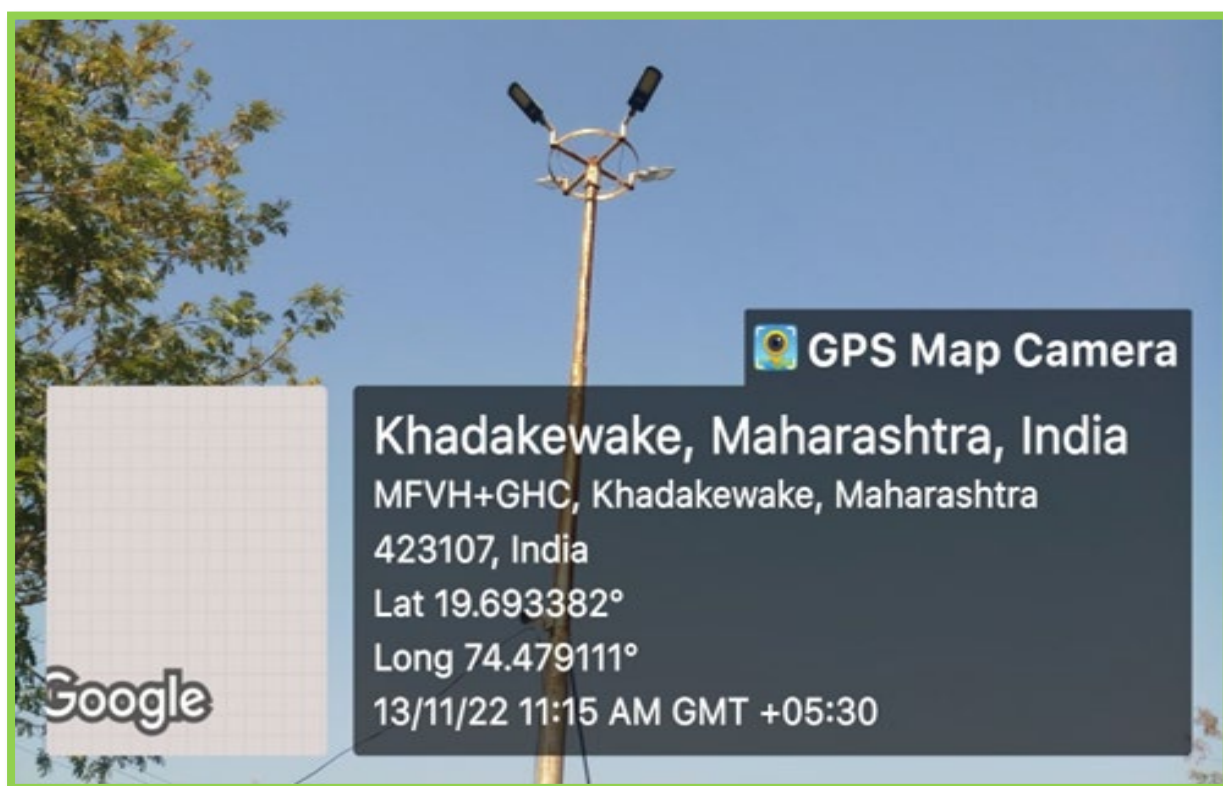
Energy is key aspect of any educational institute, as it is one of the important parts of teaching learning and management process. Every HEI requires appropriate sources of energy to meet its energy needs. Our Institute has also taken various initiatives for the fulfilment of energy requirements and its conservation. The Institute has designed an Environment and Energy Policy to ensure optimum utilization of energy. Every year institute conducts Energy Audit through an external authorized agency. The energy audit improves the efficiency and productivity of the institute. The auditing agency also gives suggestions and recommendations to improve the performance. As per the recommendation given by the auditing agency, the college has installed a rooftop solar system of 4 kW on the college building.

As a part of energy conservation, the institute installed a Roof top PV Solar System and uses LED lighting, sensor-based lighting and equipments to reduce energy demand. LED lighting is Energy Efficiency, has longer lifespan, low maintenance, durability, it's safe to use, Cost-Effective and Environmental friendly. On the other hand, Sensor-based lighting, also known as smart lighting, uses sensors and controllers to automatically adjust lighting levels which insures reduced energy consumption. Institute also takes care of selecting electrical appliances in campus, which are energy efficient and have High Star rating. This enhances the productivity, lifespan and property value of appliances, and also reduces maintenance-repair costs.

The institute also conducts Solar energy awareness and promotional activities in nearby villages. The department of Physics trains the students about usage of the solar energy based appliances like solar cooker, solar dryer, solar hot water system, PV systems, etc., and the students conduct extension and outreach activities that promotes the use of solar energy and create awareness about energy conservation. The use of electric vehicles is also promoted in campus. The institute promotes minimal use of energy for a sustainable environment.

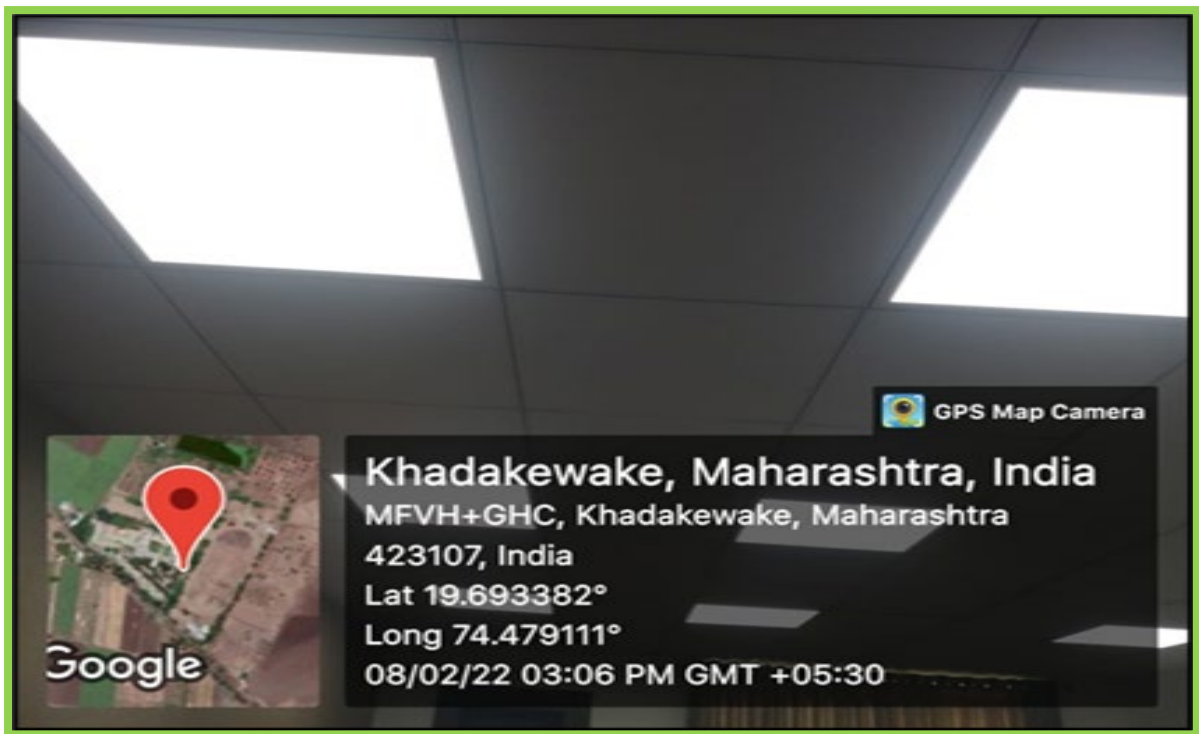


**Photo:** Installation of rooftop PV solar system in college, Date: 25/04/2024

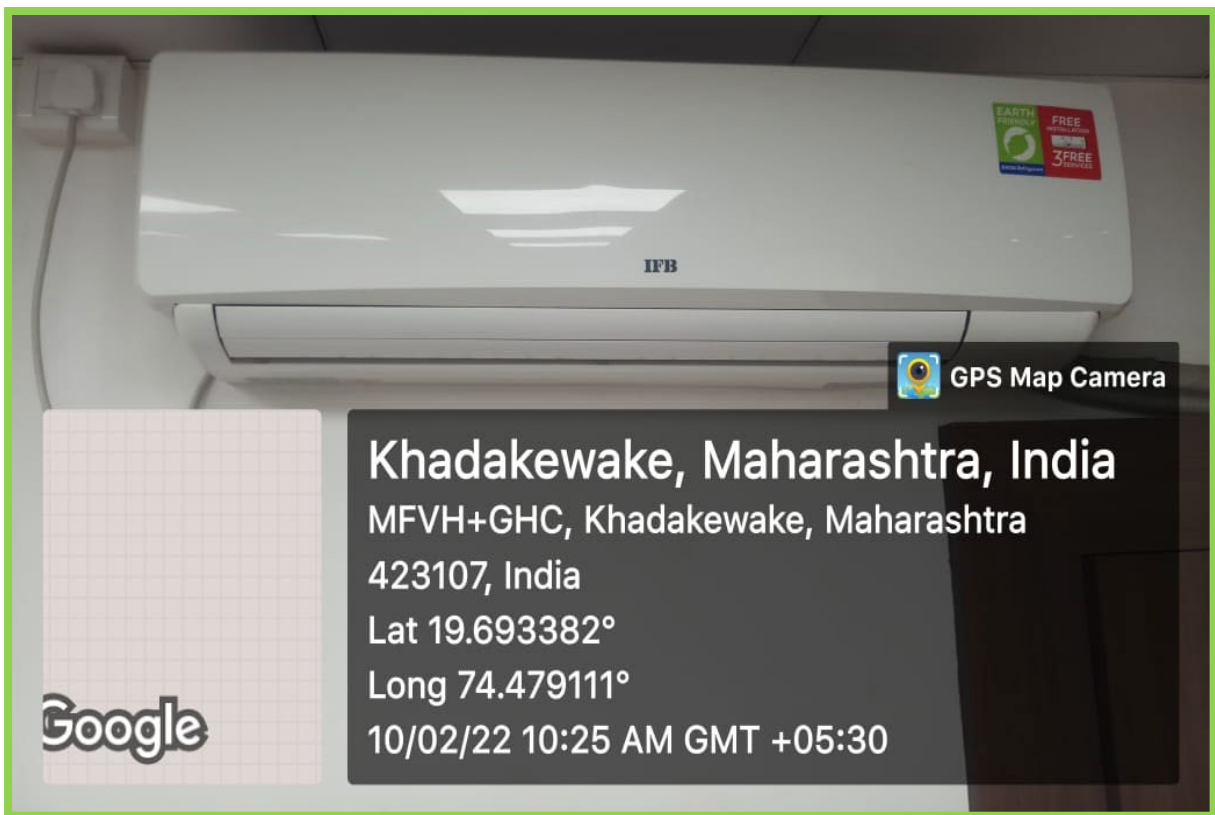


**Photo:** Outdoor LED Bulb in College Campus, Date:13/11/2022

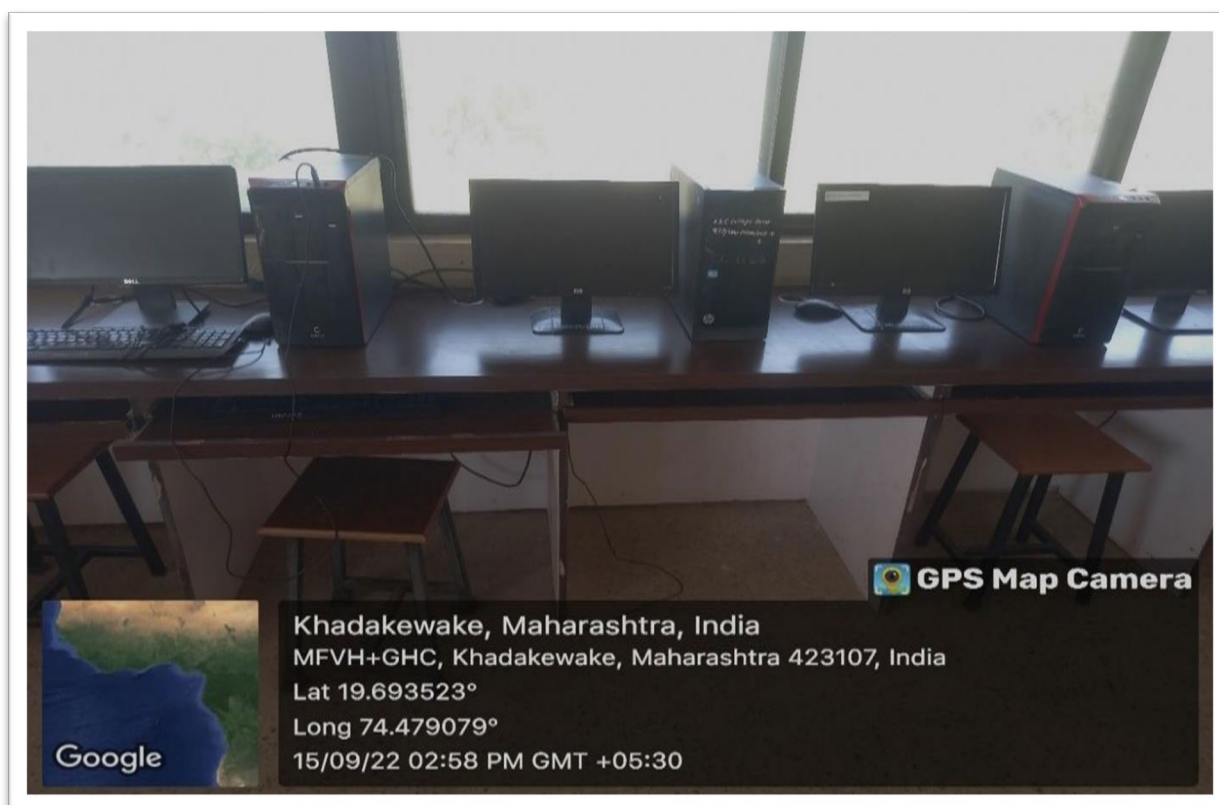




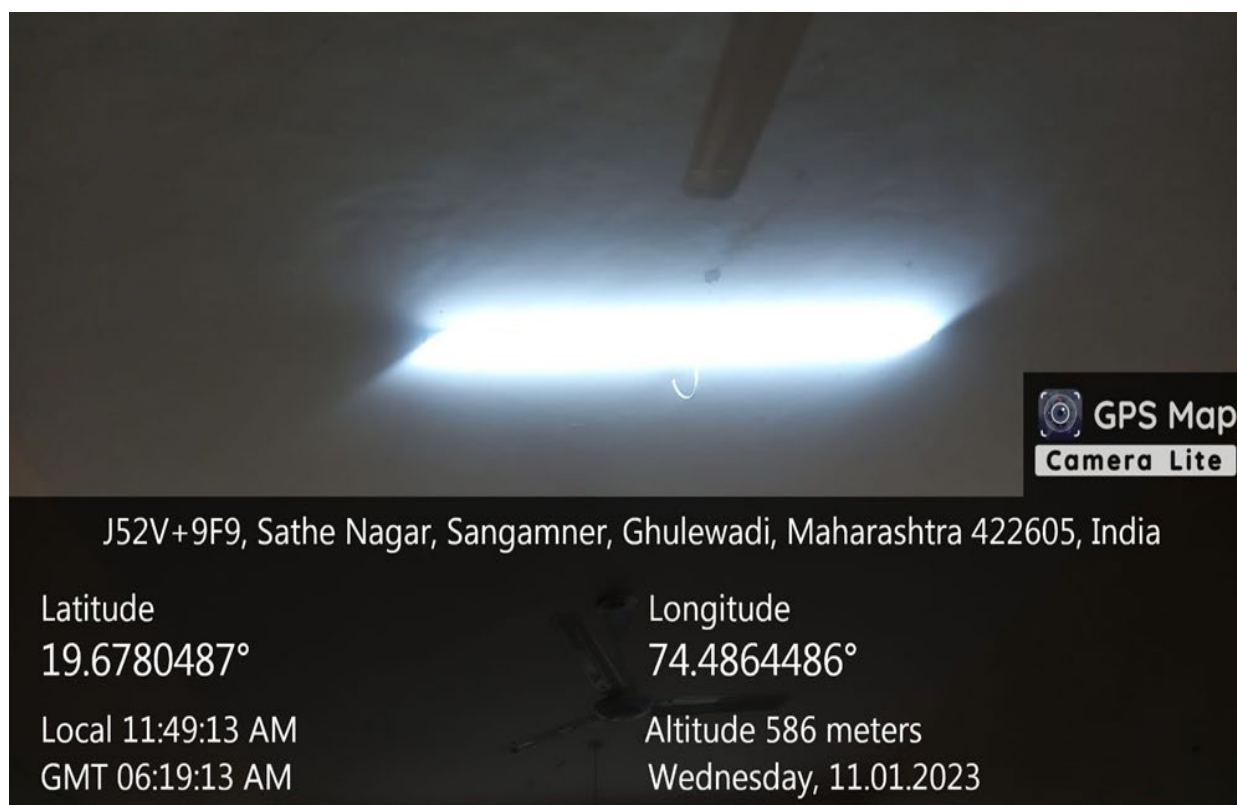
**Photo:** Power Efficient Bulb installed in the college campus, Date:08/02/2022



**Photo:** Power efficient equipment (3-star rated AC) positioned in Board Room



**Photo:** Use of LED Monitors in College Computer Lab and for all PCs



**Photo:** Motion Sensor LED Tubes

## 2.2 Clean and Green Campus Initiative:

The Institute has designed a policy for clean and green campus and follows these practices regularly. Every year institute conducts a Green Audit through an external authorized agency. The suggestions and recommendations of Green Audit are also taken in account for the enrichment of the campus.

1. The college organizes Cleanliness Drives in association with the NSS unit on different occasions like World Environment Day, Geography Day, *Rashtrapita Mahatma Gandhi Jayanti*, *Sant Gadagebaba Jayanti*, and the special functions organized in the institute.
2. The NSS unit has organized an initiative on the Clean India Awareness Program under *Swachha Bharat Abhiyan* on 22<sup>nd</sup> February 2019. NSS Unit also conducts *Swachata Pakhawada* every year.
3. The maintenance department of college ensures the cleaning and maintenance of classrooms, laboratories, library, toilets, ramps, and all the infrastructural facilities in the campus. Proper waste management practices are followed. It includes the collection, distribution, and disposal of nondegradable waste. The degradable waste is collected and the vermicomposting unit of College produces natural fertilizers.
4. Along with cleanliness, the college has taken the initiative for a Green Campus through Water Conservation, Rain water harvesting, Energy conservation, Tree Plantation, Proper Waste Management with vermicomposting. The College also undergoes Green audit to insure accountability of Sustainable environment.
5. Plantation Drives had been organized occasionally in and around the campus by the institute in association with the NSS Unit. Students and staff members participate in this Plantation Programme enthusiastically.
6. Botanical garden and herbal garden is established in campus with all necessary arrangements to ensure long term requirement of campus
7. Slogans on Energy Conservation, Water conservation, Conservation of Greenery etc. has been displayed by the institute within the campus to aware the students towards energy and environment conservation.

- **Green Campus Initiatives**

The Green Campus program enables the college to conserve natural resources like water and biodiversity, optimize energy efficiency, manage waste and educate about climate

change and sustainability while addressing well-being of the students as compared to conventional educational institutes.

Following are some of the initiatives taken under the Green Campus policy:

1. **Restricted entry of automobiles:** Automobile entry is restricted in the college campus to reduce the air pollution as well as noise pollution.
2. **Use of bicycles/battery-powered vehicles:** As the college is situated in a rural area, most of the students/staff use bicycles or local transport to travel. Also, students are advised to use battery-powered vehicles
3. **Pedestrian-friendly pathways:** In the college premises, pedestrian-friendly pathways are constructed very well. Regular maintenance of these pathways is also done. It keeps the roads clean and free from mud or any other vegetation growth.
4. **Plastic-free campus:** The College avoid use of plastic to keep the campus plastic free. Boards about plastic free campuses are displayed in the campus.
5. **Landscaping with trees and plants:** The college campus is landscaped with trees and plants. Proper maintenance is done time to time.

Despite all these activities, some more initiatives are taken by the college like use of a digital library, the use of solar to generate energy, use of LED bulbs, waste management, less paperwork, compost pit, rainwater harvesting, etc. Green audit, energy audit and environmental audit is done every year.

### 2.3 Vermicompost:

At Arts, Science and Commerce College Rahata, the Department of Zoology maintains a vermicomposting unit as part of its commitment to environmental sustainability. Vermicompost unit converts plant leaves and other degradable waste into high-quality vermicompost. The prepared vermicompost is utilized in both the college's garden and its herbal garden, enhancing soil fertility and promoting healthier plant growth. This practical application not only supports the college's green initiatives but also serves as a valuable educational tool for students.

In addition to its internal efforts, the Department of Zoology, in collaboration with the National Service Scheme (NSS) has extended its vermicomposting mission to nearby villages. This outreach program involves carrying out vermicomposting activities and educating local farmers about sustainable waste management practices. An MOU with Aanand Agro Biotech, Durgapur has been established to formalize these efforts, and regular field visits are conducted to ensure the effective implementation of vermicomposting practices. This initiative underscores the college's dedication to fostering environmental awareness and sustainable practices beyond its campus.



**Photo 1:** Collection and Use of Biodegradable Solid Waste for Vermicomposting, 26/07/2022





**Photo 2:** Vermicomposting Unit,  
14/03/2023



**Photo 3:** Information given to students about  
Vermicomposting, 11/05/2022

## 2.4 Green Campus Initiatives:



**Photograph:** Restricted entry of automobiles, date: 20/09/2022



**Photo:** Parking facility near the main gate, date: 09/08/2022



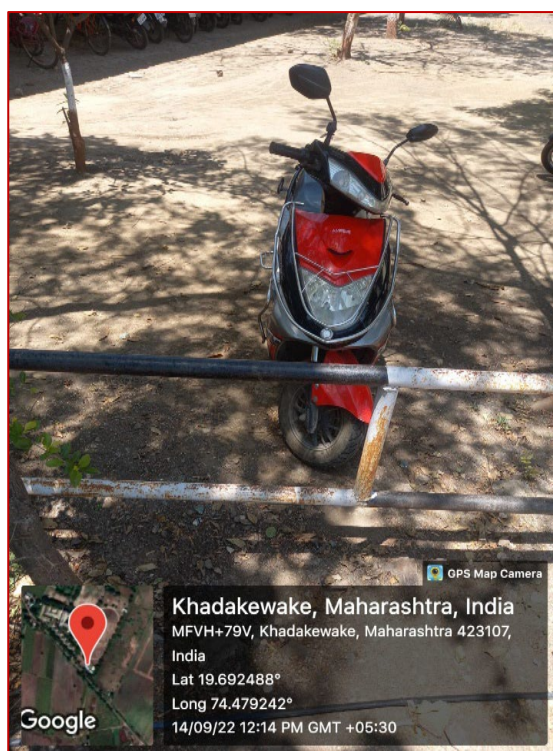


**Photo:** Use of Bicycles by college students and staff, date: 21/07/2022

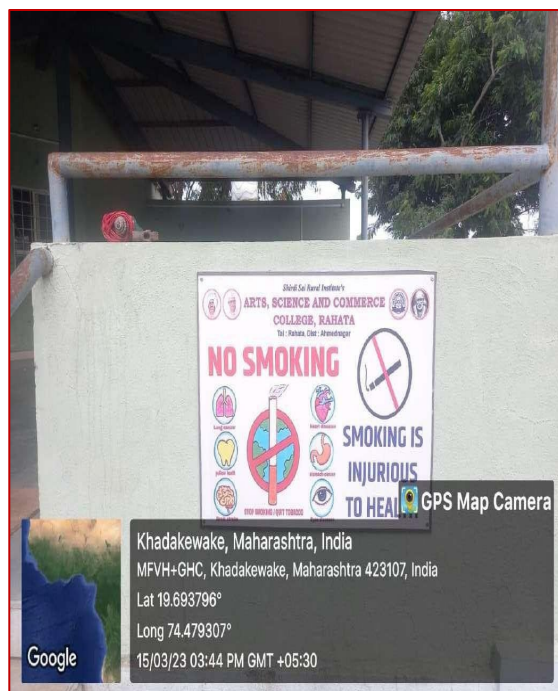
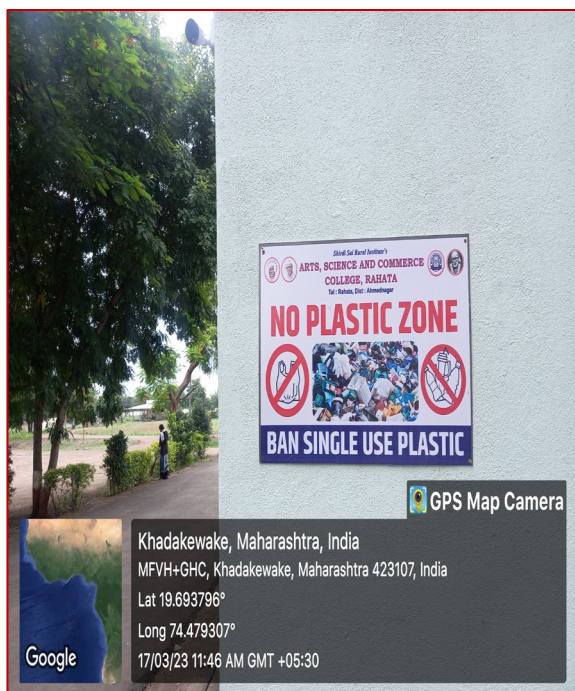


**Photo:** Bicycle parking stand for girl students, date: 22/03/2022





**Photo:** E-Vehicles / Battery powered vehicles, date: 14/09/2022



**Photo:** Plastic Ban / No plastic zone boards are displayed at the entrance to promote the limited use of plastic on the College Campus, date: 17/03/2023.

**Photo:** Nonsmoking boards are displayed in College Campus, 15/03/2023.



NSS organized the Tree plantation program for environmental awareness at the college.  
Faculty doing tree plantation (Date- 01/07/2019 to 7/7/2019)



NSS organized the Tree plantation program for environmental awareness at the college.  
Ladies Staff doing tree plantation (Date- 04/07/2019)





**Dr. D. N. Dange (NSS PO), Physical Director Prof. Sayyad Sir & NSS volunteers planting trees at college campus on 05 July, 2020.**



**Principal and Ladies staffs of our college planting the trees in college at 05 July, 2020.**



## **“Distribution of Medicinal plant saplings”**

### **Photographs**



**Distribution of medicinal plants among the farmers of Khadakewake Village**



**Distribution of medicinal plants among the farmers of Khadakewake Village**





**Photo:** Villagers planting Tree at Khadakewake, Date:17 04/2023



**Photo:** Villagers planting Tree at Khadakewake, Date:17 04/2023



### Tree Plantation: College Campus Roade on 06/09/2019



Photo: Planting trees in college campus, date: 06/09/2019.



Photo: Planting trees in college campus, date: 06/09/2019.





Photo: Trees plantation in and around College Building, date: 06/08/2023.





**Photo:** Pedestrian-friendly pathways for college students and staff, date:16/08/2022



**Photo:** Botanical Garden on the college campus, date: 14/03/2023.



**Photos:** Environment-friendly College Campus Landscaping with trees and plants,  
date: 14/03/2023.





**Photo: Herbal Garden** Promotion of medicinal plants, 14/03/2023.




**Photo: Environment-friendly College Campus Landscaping** with trees and plants





**Photo:** Environment-friendly College Campus Landscaping with trees and plants

  
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**Photo:** Under Clean India Program Cleaning of the College Campus by students on 22 Feb 2019

*[Signature]*  
IQAC, Co - ordinator  
ASC College, Rahata



*[Signature]*  
Principal  
Principal  
Arts, Science & Commerce College,  
Rahata, Dist. Ahmednagar