

CRITERION 7	
INSTITUTIONAL VALUES AND BEST PRACTICES	
7.1	INSTITUTIONAL VALUES AND SOCIAL RESPONSIBILITIES
7.1.3	<p>Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following</p> <ol style="list-style-type: none">1. Green audit / Environment audit2. Energy audit3. Clean and green campus initiatives4. Beyond the campus environmental promotion activities

FINDINGS OF DVV	
<ol style="list-style-type: none">1. HEI is requested to please provide any other Geo tagged photographs with proper captions for the selected options, as provided photographs are not justifying all the options.2. Kindly provide Action taken reports and achievement report as clear and Green campus initiatives.3. Please provide policy document on environment and energy usage.4. please provide reports of audits with sealed and singed by by the competent authority.5. Kindly note that Auditing from Government / Govt. recognized organizations, University departments, recognized /certified non-profit NGOs shall be considered.6. Kindly provide Certificate from the external accredited auditing agency (preferably government, concern department of affiliating university).7. Please provide Any other relevant proof for the selected options.8. Kindly note that all the supporting documents should be clearly scanned and sealed and singed by the head of the institute	

DVV CLARIFICATIONS	
<ol style="list-style-type: none">1. Provided all Geo tagged photographs with proper captions for each photograph, justifying all the options.2. Provided Action taken reports and achievement report as clear and Green campus initiatives.3. Provided policy document on environment and energy usage.4. Provided reports of audits with sealed and singed by the competent authority.5. Provided Certificate from the external accredited auditing agency (preferably government, concern department of affiliating university).6. Provided other relevant proof for the selected options.7. All the provided supporting documents are clearly scanned, sealed and singed by the head of the institute	

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INDEX

7.1.3	Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following 5. Green audit / Environment audit 6. Energy audit 7. Clean and green campus initiatives 8. Beyond the campus environmental promotion activities
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1. GEO TAGGED PHOTOGRAPHS WITH PROPER CAPTIONS FOR EACH PHOTOGRAPH

A. Green Campus



R. L. TAWDE FOUNDATION'S
SAROJINI COLLEGE OF PHARMACY

R. S. No. 576, Near Rajendranagar Water Tank, Rajendranagar, Kolhapur, - 416004
E - mail - sarojini.instituteofpharmacy@gmail.com Website : www.sarojinicollegeofpharmacy.com

GREEN CAMPUS INITIATIVES



College of Pharmacy Kolhapur Maharashtra India 34°C
M68W+VR3, Rajendra Nagar, Kolhapur, Maharashtra 416013, India
Lat: 16.67 | Long: 74.25
29/05/2024 2:25 PM, GMT+05:30
Wed, 29 May



College of Pharmacy Kolhapur Maharashtra India 35°C
M69W+2PG, Rajendra Nagar, Kolhapur, Maharashtra 416013, India
Lat: 16.67 | Long: 74.25
29/05/2024 2:10 PM, GMT+05:30
Wed, 29 May



Green Campus



Principal
Sarojini College of Pharmacy
R.S. No. 576, Rajendra Nagar
Kolhapur-416 008.

Signature valid

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Rajkumar Sangappa Bagali

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A.1 Green Campus

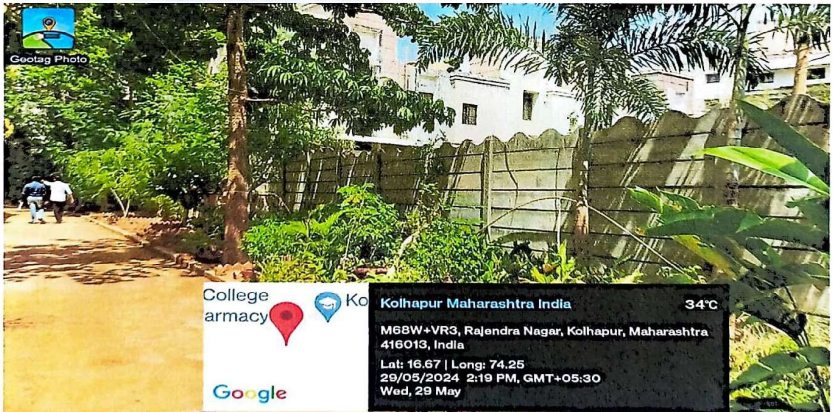


R. L. TAWDE FOUNDATION'S
SAROJINI COLLEGE OF PHARMACY


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M69W+2PG, Rajendra Nagar, Kolhapur, Maharashtra 416013, India
Lat: 16.67 | Long: 74.25
29/05/2024 2:10 PM, GMT+05:30
Wed, 29 May



College of Pharmacy, Kolhapur Maharashtra India 34°C
M68W+VR3, Rajendra Nagar, Kolhapur, Maharashtra 416013, India
Lat: 16.67 | Long: 74.25
29/05/2024 2:19 PM, GMT+05:30
Wed, 29 May



Green Campus




Principal
Sarojini College of Pharmacy
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B. Rain Water Harvesting



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WATER CONSERVATION





College of Pharmacy Kolhapur Maharashtra India 36°C
 M69W+2PG, Rajendra Nagar, Kolhapur, Maharashtra 416013, India
 Lat: 16.67 | Long: 74.25
 01/06/2024 2:12 PM, GMT+05:30
 Sat, 1 Jun



College of Pharmacy Kolhapur Maharashtra India 36°C
 M69W+2PG, Rajendra Nagar, Kolhapur, Maharashtra 416013, India
 Lat: 16.67 | Long: 74.25
 01/06/2024 2:09 PM, GMT+05:30
 Sat, 1 Jun

Rain Water Harvesting



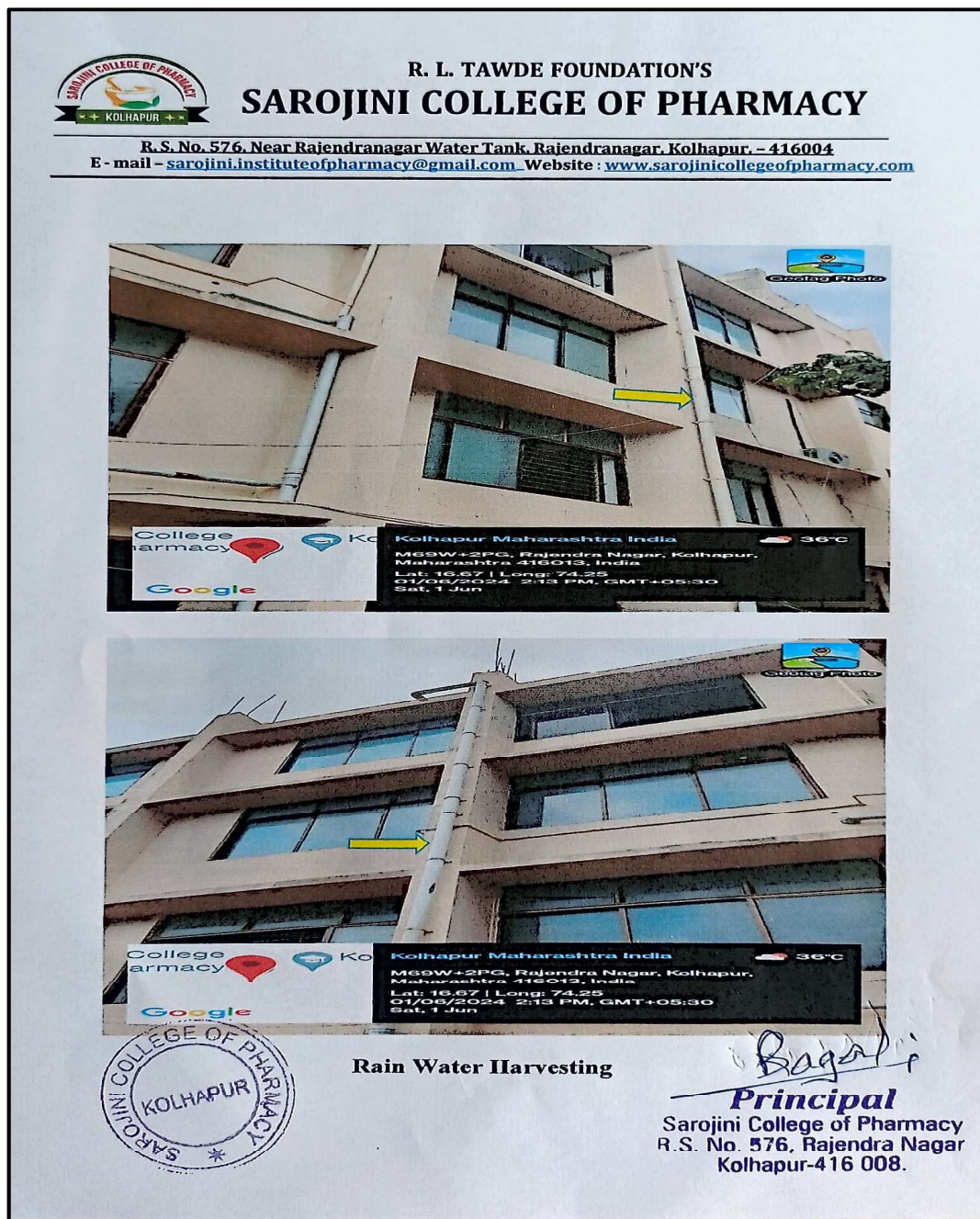

Principal
Sarojini College of Pharmacy
R.S. No. 576, Rajendra Nagar
Kolhapur-416 008.

Signature valid

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B.1 Rain Water Harvesting

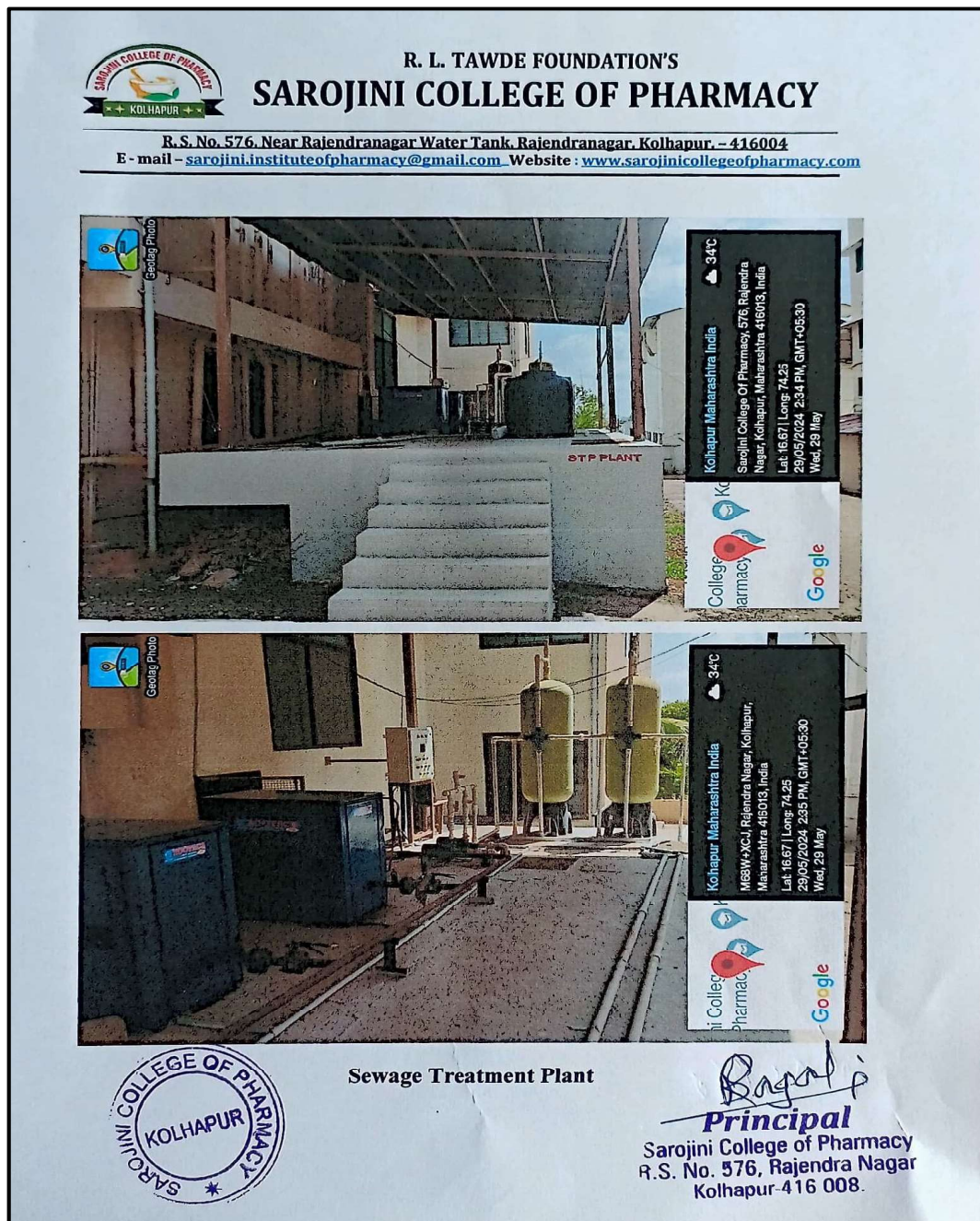


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C. Sewage Treatment Plant




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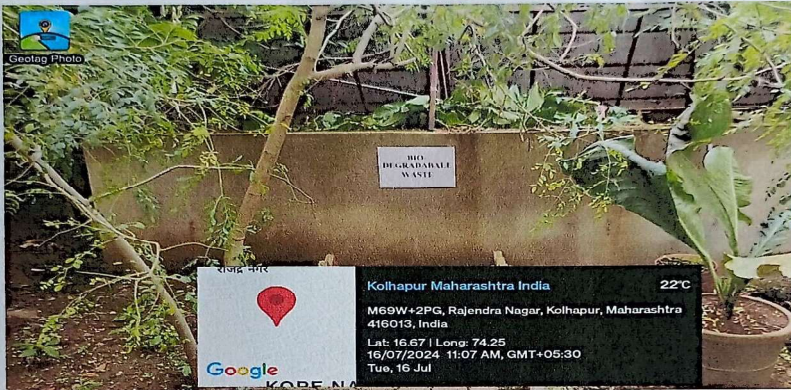
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D. Degradable & non-degradable waste

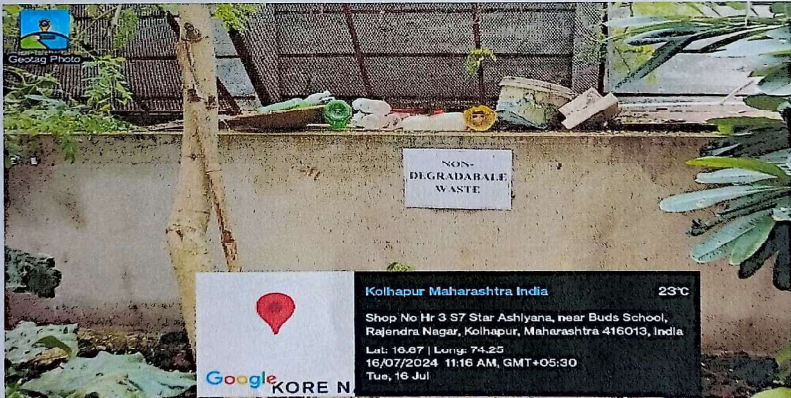
 **R. L. TAWDE FOUNDATION'S
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MANAGEMENT OF THE DEGRADABLE & NON-DEGRADABLE WASTE


Geotag Photo
Kolhapur Maharashtra India 22°C
M69W+2PG, Rajendra Nagar, Kolhapur, Maharashtra 416013, India
Lat: 16.67 | Long: 74.25
16/07/2024 11:07 AM, GMT+05:30
Tue, 16 Jul

Degradable waste


Geotag Photo
Kolhapur Maharashtra India 23°C
Shop No Hr 3 S7 Star Ashlyana, near Buds School, Rajendra Nagar, Kolhapur, Maharashtra 416013, India
Lat: 16.67 | Long: 74.25
16/07/2024 11:16 AM, GMT+05:30
Tue, 16 Jul

Non degradable waste



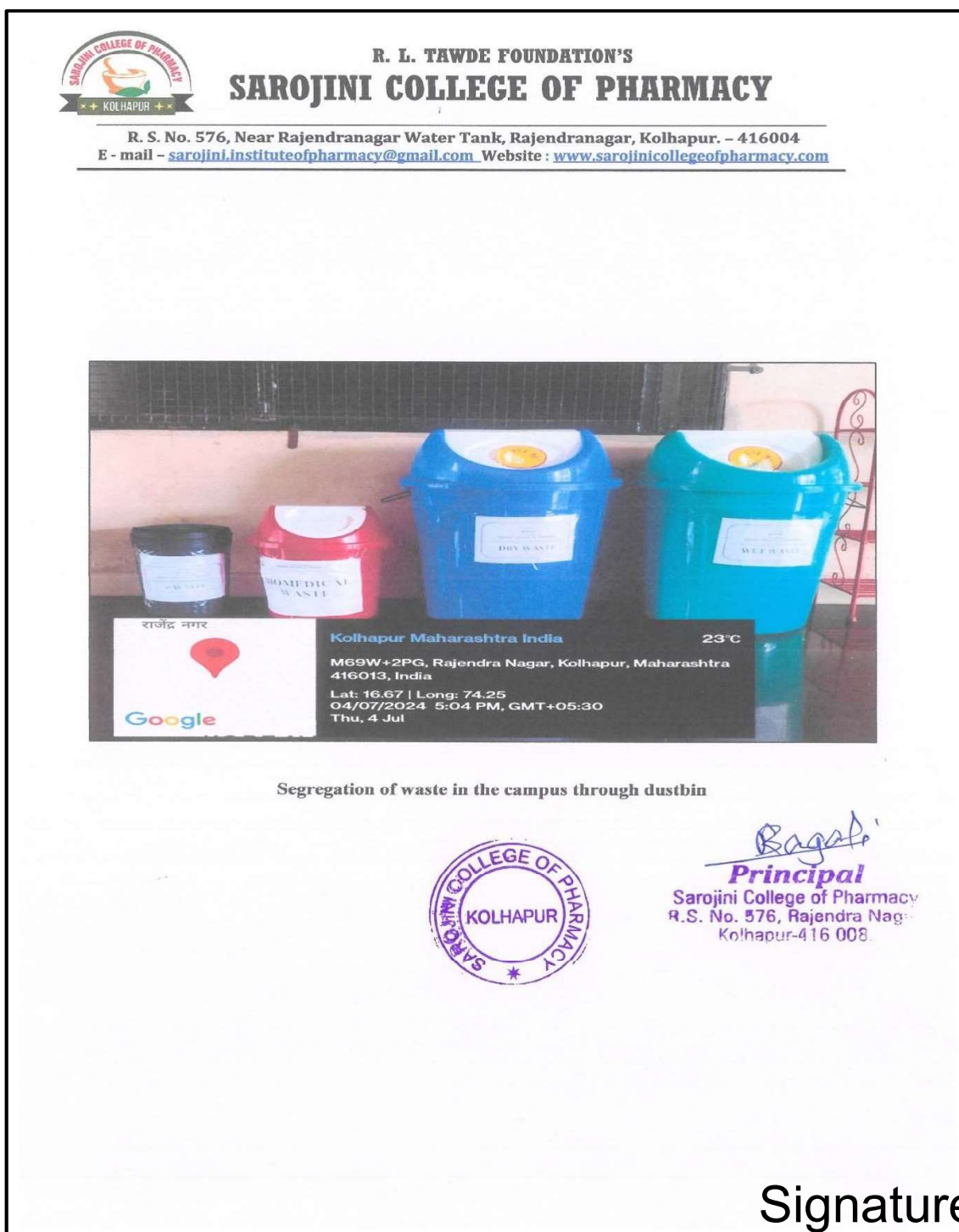
Rajkumar
Principal
Sarojini College of Pharmacy
R.S. No. 576, Rajendra Nagar
Kolhapur-416 008.

Signature valid

Digitally Signed By :-
Rajkumar Sangappa Bagali

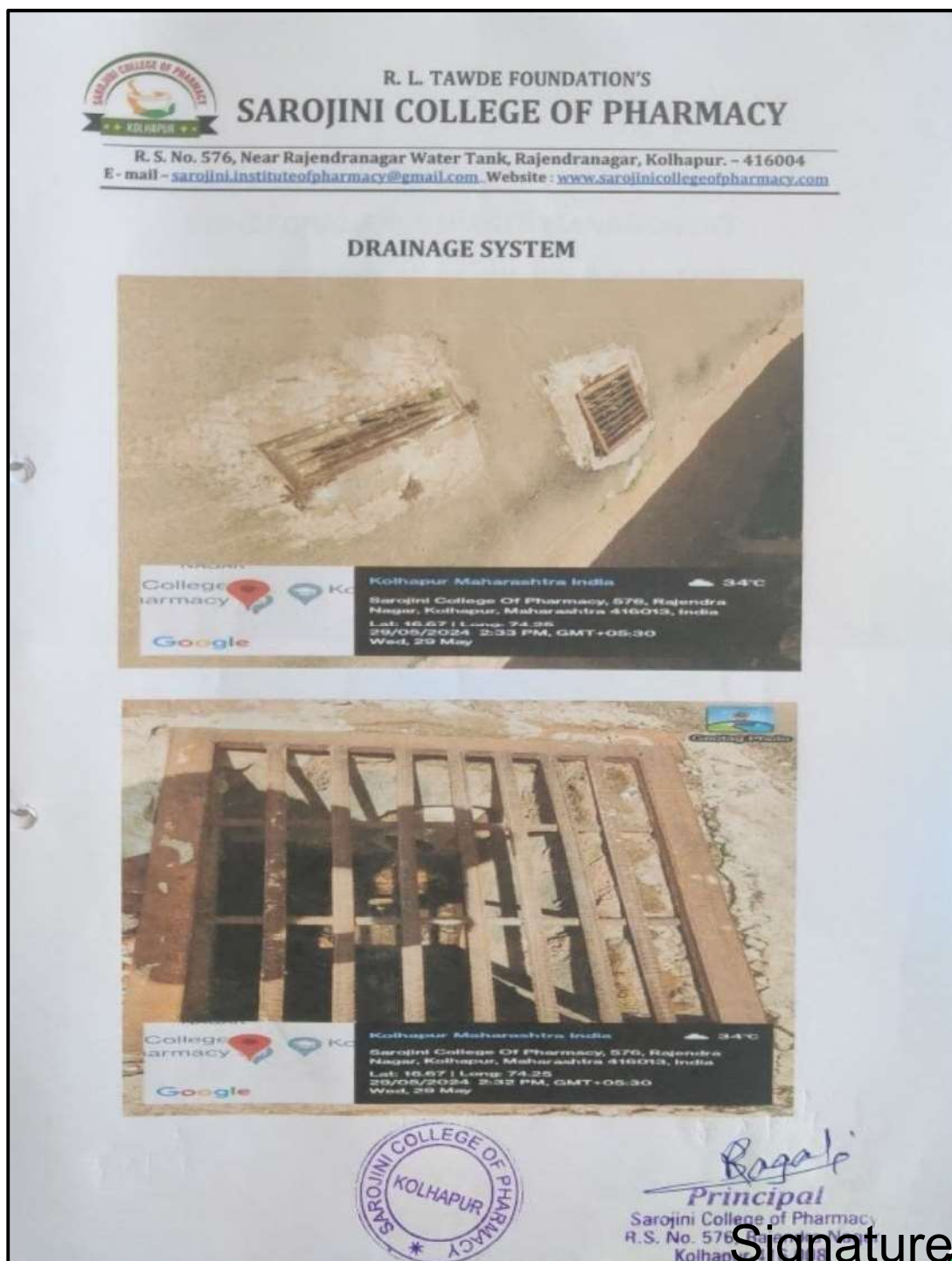
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E. Segregation of waste in the campus through dustbin

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F. Drainage System

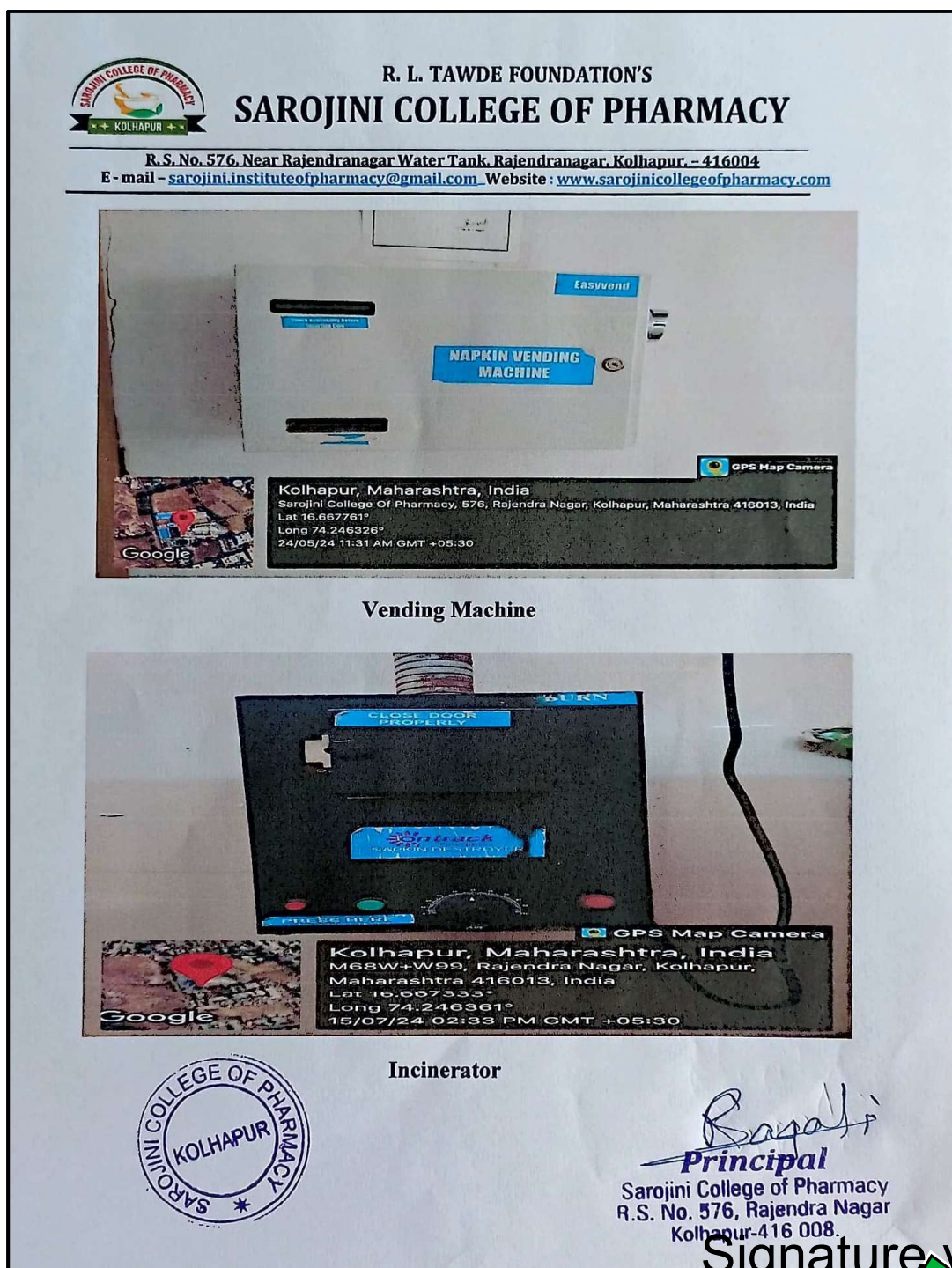


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G. Vending Machine & Incinerator



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2. ACTION TAKEN REPORT



R. L. TAWDE FOUNDATION'S
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Action Taken –**1. Action taken on environmental audit report**

- ✓ Policy document has been prepared with all recommendations and current practices carried by college.
- ✓ Regular inspections are conducted to ensure that all water-saving devices are functioning optimally.
- ✓ Maintenance staff have been trained to promptly address any leaks or malfunctions to prevent water wastage.
- ✓ Students are instructed to avoid noise pollution through display boards.
- ✓ Vertical gardening has been implemented in the college to optimize space utilization and enhance the aesthetic appeal of campus greenery.



Vertical Garden

2. Action taken on energy audit report

- ✓ All students, teaching staff, and non-teaching staff are instructed to minimize unnecessary use of lights, fans, and computers on college premises.
- ✓ Energy-efficient equipment, including LED bulbs and tubes, has been implemented to reduce electricity consumption effectively.

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Principal
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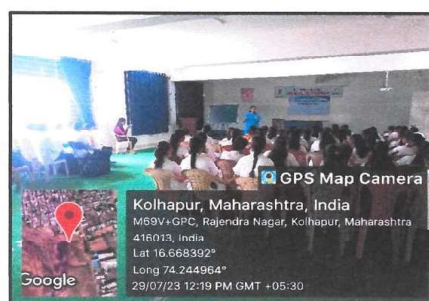
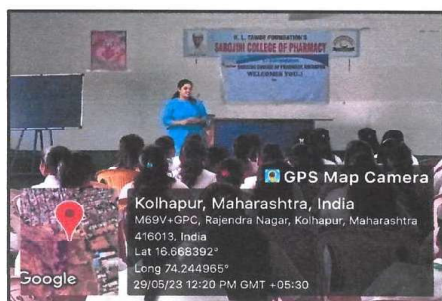
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E - mail – sarojini.instituteofpharmacy@gmail.com Website : www.sarojinicollegeofpharmacy.com

- ✓ The NSS promotes energy conservation initiatives through sessions aimed at raising awareness and encouraging participation in sustainable practices.



Session on Energy Conservation Measures

3. Clean and green campus initiatives

- ✓ Waste segregation is facilitated through the provision of separate bins for dry, wet and E-waste.
- ✓ All staff has been instructed to use digital technologies for communication, documentation, and administrative processes and minimize the use of paper wherever feasible.
- ✓ An ERP system has been implemented within the college to streamline and integrate various administrative, academic, and financial processes across the institution.
- ✓ The LMS software used in college is employed for managing and delivering educational courses, facilitating online learning activities, and tracking student progress and performance. It serves as a central platform for course administration, content distribution, communication between instructors and students, assessment management, and overall learning management within the institution.
- ✓ The e-waste produced has been handed over to an external agency for proper disposal and recycling
- ✓ A diverse range of plant has been planted in campus.

Bagali
Dr. R. S. Bagali
Principal
Sarojini College of Pharmacy
R.S. No. 576, Rajendra Nagar
Kolhapur-416 008.



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MoU FOR E- WASTE MANAGEMENT

**R. L. TAWDE FOUNDATION'S
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E - mail – sarojini.instituteofpharmacy@gmail.com Website : www.sarojinicollegeofpharmacy.com

MOU for E-waste management

Membership for E waste disposal

Member No. MERPL/ E Waste/ 23-24/Pun/008

Date : 15/03/2023

Member Details :
Company Name : R. L. Tawde Foundations Sarojini College of Pharmacy
Address : R. S. No. 576, Near Rajendranagar Water Tank, Rajendranagar
Pin Code : 416004
Contact Nos. : 9049004858
GST No. : NA
MPCB Consent No.: Yet to obtain

Contact Person : Ms. Vishakha B. Gadgil
Membership fees Rs. 11,800 Received by, NEFT : KARBN24207080794
Requested Quantity for e-waste disposal : 0.828 M.T./ per annum.

This is a Memorandum of mutual understanding between Mahalaaxmi e Recyclers Pvt. Ltd. Kolhapur, hereafter termed as e-waste dismantler and R. L. Tawde Foundations Sarojini College of Pharmacy, Rajendranagar hereafter termed as client, made with an intention of environment friendly disposal of e waste collected by the client and to be disposed by the dismantler with following terms:

1. The client will inform the dismantler through mail or phone about such collection of e waste at their office and the dismantler will collect it from the said location after properly testing the same.
2. Once disposed to the dismantler, the client will not have right on any of the material disposed.
4. The dismantler will issue FORM 5 of such disposal to the client for every delivery made by the client, in prescribed format and enter the same in the passbook issued by M.P.C.B.
5. This membership is valid for 5 year (Membership period from 15/05/2023 to 14/05/2028)
6. All the legal issues will be dealt in the legal jurisdiction of Pune District.

Manoj Mehta
Chairman & Managing Director,
Pune

Mahalaaxmi e Recyclers Pvt. Ltd.
Plot No. 77&78, Subplot No 3A, Ramtekadi Industrial Area, Hadapsar, Pune 411013
Mobile: +91-72764 11826 Email : manoj@erecyclebin.com , mpmehta_2000@yahoo.com
MPCB REGN. NO. : MPCB REGN. NO. : MPCB/RO(HQ)/HSMD/20/EW-08/Date-11thNov. 2020, Valid till 31st Oct. 2025
GST NO. 27AAICM7585M1ZL PAN No. AAICM7585M

Bank Details : IDFC First Bank (India), Law College Road Pune.
Current Account No. 10057421258 ISFC CODE: IDFB0041352

Bagali
Principal
Sarojini College of Pharmacy
R.S. No. 576, Rajendra Nagar
Kolhapur-416 008.

**Signature valid**

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3. POLICY DOCUMENT ON ENVIRONMENTAL & ENERGY USAGE



R. L. TAWDE FOUNDATION'S SAROJINI COLLEGE OF PHARMACY

Rs. No.576, Near Rajendranagar Water Tank, Rajendranagar, Kolhapur.- 416 004.
E-mail - sarojini.instituteofpharmacy@gmail.com

GREEN CAMPUS POLICY

It's our prime duty and the necessity of protecting environment for a sustainable, pollution-free and healthy life on the planet Earth in the coming years, the college has formed its Green Protocol. The college endeavours to follow this policy strictly by enacting to and creating environmental consciousness among the students and thereby among the society in general by organizing various activities within and outside the campus.

The college pledged towards creating a green, pollution-free and healthy environment with a missionary zeal and dedication. The students are also committed for maintaining the campus clean, green and ensures to monitor the environmental ethics.

The Green Campus Policy of the college envisages a Clean and Green Campus where environmentally friendly practices and education combine to promote sustainable and eco-friendly practices in the campus and beyond the campus. It also offers the institution an opportunity to take the lead in redefining its environmental culture through instilling environmental ethics among the students and staff.

OBJECTIVES:

- To promote the efficient applications of all resources, including energy and water.
- To reduce unnecessary consumption of water and the amount of waste produced, recovering and recycling waste where possible.
- To minimize the use of paper, promote paperless strategy in administration.
- To organize annual tree plantation drives.
- To educate students regarding environmental ethics, policies and associated issues. And to aware the importance of cleanliness for a healthy life.
- To preserve natural systems and assets on campus and to build an environmentally striving sustainable campus and, if feasible, encourage a culture of environmental consciousness across the neighbourhood.
- To Create awareness about environmental issues by organizing Events, Cleanliness Drives, Seminars, Workshops, Tree Plantation Drives, Guest Lectures, Experts Talk, etc
- To conduct green audits and energy audits from time to time.



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R. L. TAWDE FOUNDATION'S
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Initiatives Taken to Implement the Clean and Green Campus Policy

1. Tree plantation

As campus landscapes are so visible and accessible, land scaping in initiative is a great way to build awareness around the environment. The college campus is surrounded with large number of trees. The landscape of trees and plants provide the students and staff with clean and cool air and is a soothing environment.

The college strives to plant various types of ornamental and medicinal variety, wild plant species of trees in large numbers within and outside the campus. Medicinal plant Gardeners and full-time adequate support staff have been appointed for the maintenance of gardens and keeping the campus litter-free, clean, and green campus. The tree-plantation drives are undertaken by the NSS Units of the college.

2. Clean Air initiative

For clear the air, more medicinal plants, as well as fruit plants and trees, have been planted in the campus. Smoking and burning of garbage strictly prohibited in campus.

We encourage our students and staff to use public transportation.

3. Conduct Green and Energy Audit


The college aims to regularly conduct a Green Audit of our college campus to assess our strengths and weaknesses. A green audit is a useful tool to determine how and where most energy or water or resources are being used. The college can then consider how to implement changes and make savings. It provides a better understanding of the impact of eco-friendly practices on campus. Green auditing will promote financial savings through reduction of resource use.

An Energy audit is carried out to reduce carbon foot print. The energy audit, with its specialized tools will identify wastage of energy. Such an inspection often reveals several different flaws which cause a loss of significant amounts of energy which the college will not be able to detect. These flaws often have easy and affordable solutions and provide significant savings.

4. Rainwater Harvesting

The college ensures rain-water conservation through rainwater harvesting. The rain water from the roof top outlets is carried through the well-connected pipelines to the wells or is collected in the large water harvesting tanks and the overflowing rain-water from these tanks is discharged in the soak-pits for ground water recharge. Rain water collected in the tank is supplied to the plants in the Medico- Botanical Garden of the college.




Principal
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5. Waste management Reduction and Recycling

All the Departments, laboratories, and Classrooms are provided with dustbins for dry wastage disposal. Segregation of the waste into dry and wet waste is done through the separately allotted dustbins at strategic locations in the college.

Solid Waste Management

The organic waste material is collected from the college campus by the students to deposit it in the special vermicomposting tank. Using cow dung, Earthworms the soil mixture is made with appropriate proportions. Using cow dung, Earthworms the soil mixture is made with appropriate proportions. This mixture is installed in the tank and watered properly for 4-8 weeks.

Hazardous Chemical Waste Management

We have planned to minimize the use of hazardous chemicals related experiments Even though during the synthesis if some hazardous chemicals may be form, diluted chemicals are diluted before discarding in wash basin. The basin is Marked for the disposal hazardous chemical waste and all the chemical waste is collected in a separate tank set up outside the laboratory.

Liquid waste Management

Maintain leak proof water fixtures.
Continued employment of a caretaker to take immediate steps to stop any water leakage through taps, pipes, tanks, and toilet flush etc.
Minimize the use of water by constructing more Indian style toilets instead of western style toilets.
By treating waste water generated in washrooms through Sewage Treatment Plant (STP).

E-Waste Management

College aware the students and staff to reduce the production of e waste-waste is given to the external agencies for repairing and recycling.

6. Energy Saving and Energy Efficient Equipment

We commit to install environment-friendly electrical appliances that save energy and reduce wasteful in efficiencies. The college believes in using cleaner energy such as LED lighting. College is dedicated to minimize and sustainably manage its use of electricity. The college believes in reducing the consumption of electricity produced by non-renewable resources by switching to clean energy sources like solar energy for purposes like lighting the campus.



Rajkumar Sangappa Bagali
Principal
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**R. L. TAWDE FOUNDATION'S
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E-mail - sarojini.instituteofpharmacy@gmail.com

7.Minimize use of paper

Maximize use of paperless technology i.e. sharing of data /lecture notes on e-mail etc.
Introduce double-sided printing to reduce paper waste.

Bagal

Principal

Sarojini College of Pharmacy
R.S. No. 576, Rajendra Nagar
Kolhapur-416 008.



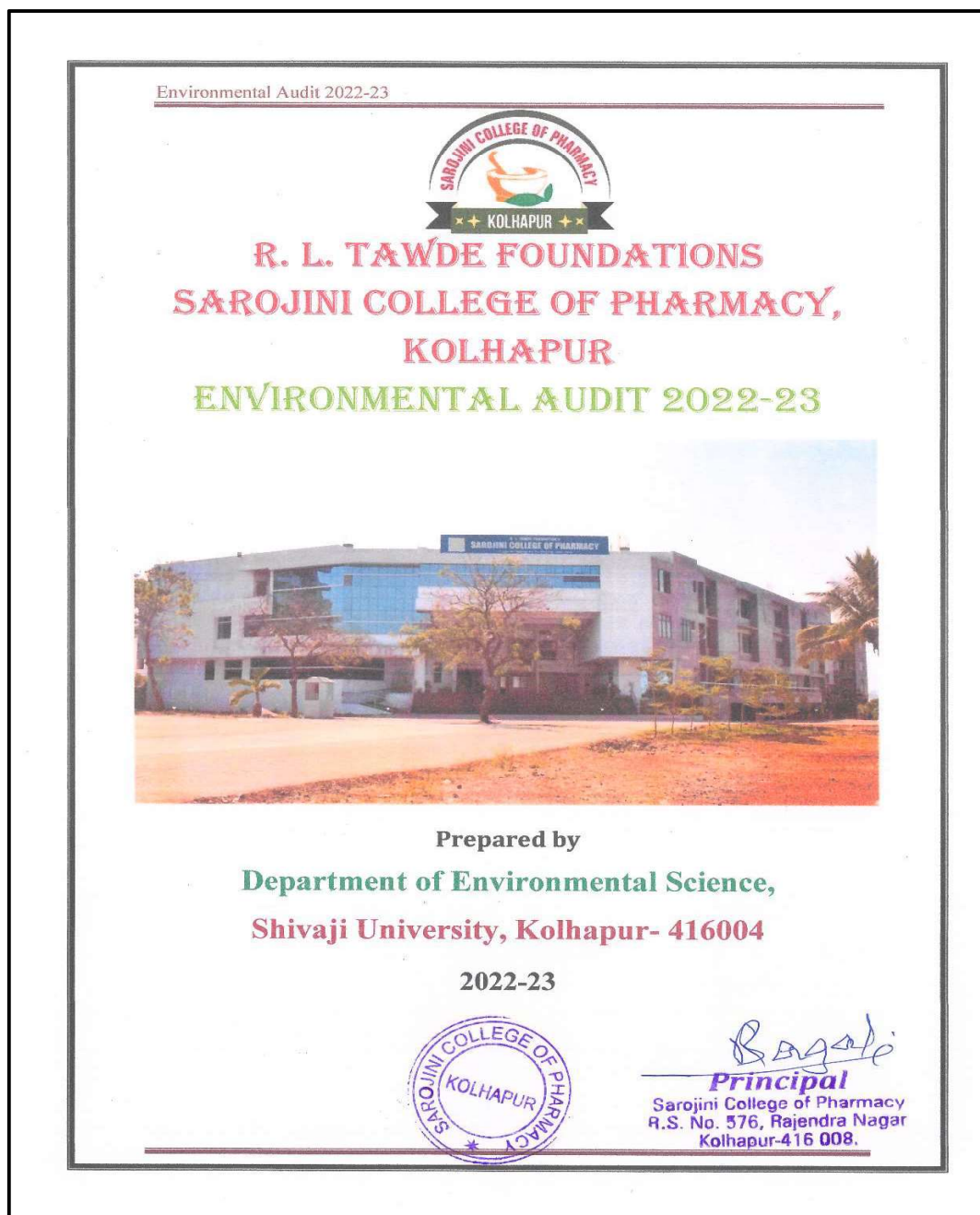
Signature valid

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Rajkumar Sangappa Bagali

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**4. REPORTS OF AUDITS WITH SEALED AND SIGNED BY THE COMPETENT
AUTHORITY- Shivaji University, Kolhapur**

Report of Environmental Audit



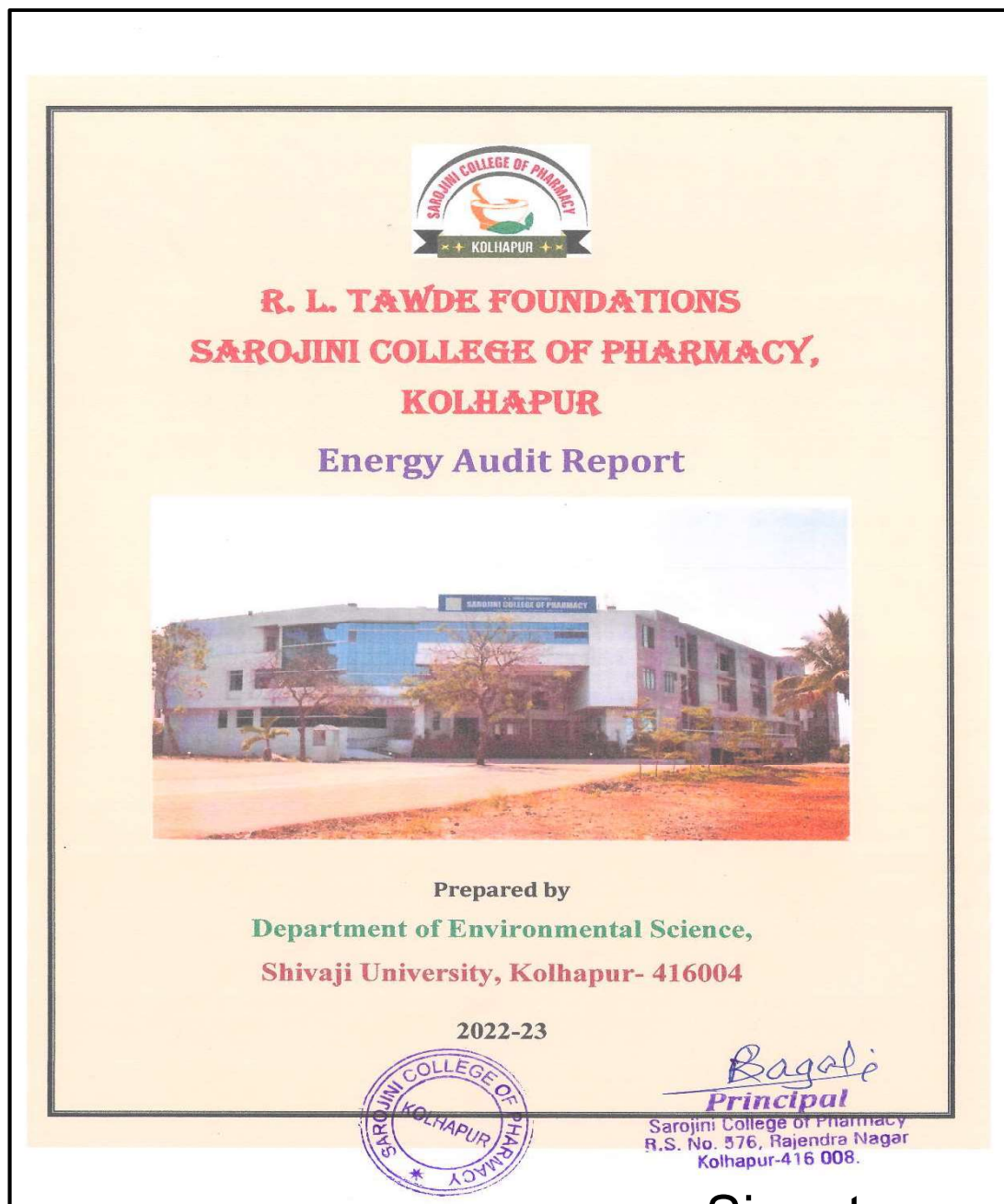
<https://sarojinicollegeofpharmacy.com/audit.php>

Signature valid

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Report of Energy Audit:



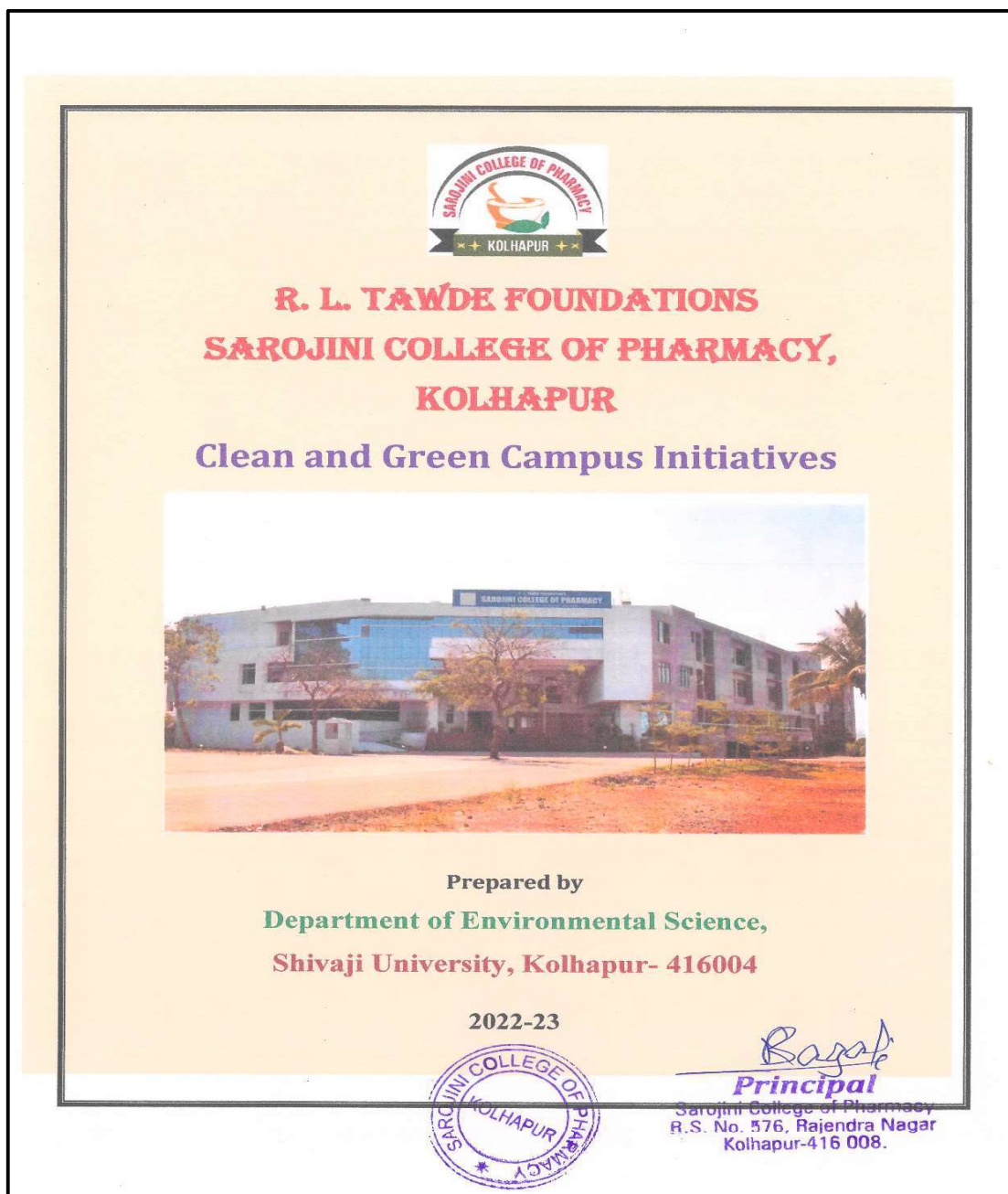
Signature valid

<https://sarojinicollegeofpharmacy.com/audit.php>

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Report of Clean and Green Campus Initiatives



<https://sarojinicollegeofpharmacy.com/audit.php>

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5. CERTIFICATE FROM THE EXTERNAL ACCREDITED AUDITING AGENCY

CERTIFICATE OF CLEAN AND GREEN CAMPUS INITIATIVES

 Estd : 1962 NAAC 'A' Grade	SHIVAJI UNIVERSITY, KOLHAPUR DEPARTMENT OF ENVIRONMENTAL SCIENCE Vidyanagar, KOLHAPUR - 416 004, Maharashtra, India Tel. : 0231-2609333 / 9304, Gram: "UNISHIVAJI" Fax : 0091-0231-2691533/2333 E-mail : envsc@unishivaji.ac.in
Ref. No./SUK/ENV	Date: 18/05/2023
<h3>Certificate</h3>	
<p>This is to certify that the Department of Environmental Science, Shivaji University, Kolhapur has assessed detailed "Clean and Green Campus Initiatives" of "Sarojini College of Pharmacy, Rajendranagar, Kolhapur" during the academic year 2022-2023. This report was evaluated in accordance with the applicable standards prescribed by the Indian Institute of Remote Sensing, Dehradun, India, Ministry of Environment, Forest and Climate Change, New Delhi and Intergovernmental Panel on Climate Change (IPCC) and Central Pollution Control Board (CPCB), New Delhi. The report involves Solid waste generation, safe waste disposal practices, green inventory, biomass estimation, carbon sequestration potential of the campus. 'Environmental Management Plan', is also included in the report which can be followed to minimize environmental impacts. The performance of college was found to have good quality with respect to sustainable Clean and Green Practices. Even though ample amount of work can be done in this area.</p> <p>The opportunities of sustainable green practices and well consideration of suggested Environmental Management Plan can make the college role model to other institutions as well. In an opinion and to the best of our information and according to the information given to us, said Clean and Green Initiatives gives a true and fair view in conformity with environmental auditing principles accepted in India.</p>	
	 Head Dr. (Mrs.) Aasawari Jadhav V.C. Head & Assistant Professor Department of Environmental Science Shivaji University, Kolhapur

Signature valid

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Rajkumar Sangappa Bagali

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CERTIFICATE OF ENVIRONMENT AUDIT

**SHIVAJI UNIVERSITY, KOLHAPUR**
DEPARTMENT OF ENVIRONMENTAL SCIENCE

Vidyanagar, KOLHAPUR - 416 004, Maharashtra, India

Tel. : 0231-2609333 / 9304, Gram: "UNISHIVAJI"

Fax : 0091-0231-2691533/2333

E-mail : envsc@unishivaji.ac.in

Ref. No./SUK/ENV

Date: 18/5/2023

Certificate

This is to certify that the Department of Environmental Science, Shivaji University Kolhapur has conducted detailed "Environmental Audit" of "R. L. Tawde foundations Sarojini College of Pharmacy, Kolhapur" during the academic year 2022-2023. The Environmental audit was conducted in accordance with the applicable standards prescribed by Central Pollution Control Board, New Delhi and Ministry of Environment, Forest and Climate Change, New Delhi. The audit involves water, wastewater, energy, air, green inventory, solid waste etc and gives an 'Environmental Management Plan', which the institute can follow to minimize impact on the institutional working framework. The performance of college was found to have good quality. Eventhough there is more improvement needed with respect to sustainable Green practices in case of water resource management and Solid waste management. In an opinion and to the best of our information and according to the information given to us, said Environmental audit gives a true and fair view in conformity with environmental auditing principles accepted in India.

Department of Environmental Science,
Shivaji University, KolhapurDr. (Mrs.) Aasawari Jadhav
I/C. Head & Assistant Professor
Department of Environmental Science,
Shivaji University, Kolhapur

Signature valid

Digitally Signed By :-
Rajkumar Sangappa Bagali

27.07.2024 10:57

CERTIFICATE OF ENERGY AUDIT

**SHIVAJI UNIVERSITY, KOLHAPUR**
DEPARTMENT OF ENVIRONMENTAL SCIENCE

Vidyanagar, KOLHAPUR - 416 004, Maharashtra, India

Tel. : 0231-2609333 / 9304, Gram: "UNISHIVAJI"

Fax : 0091-0231-2691533/2333

E-mail : envsc@unishivaji.ac.in

Ref. No./SUK/ENV

Date: 18/05/2023

Certificate

This is to certify that the Department of Environmental Science, Shivaji University, Kolhapur has conducted detailed "Energy Audit" of "R. L. Tawde foundation's Sarojini College of Pharmacy, Kolhapur" during the academic year 2022-2023. The Energy audit was conducted in accordance with the applicable standards prescribed by 'Bureau of Energy Efficiency, Government of India'. Their audit involve code compliance, operations, maintenance, occupancy, and building systems etc and gives an 'Energy Management Plan', which the institute can follow to minimize impact on the institutional working framework. The analysis was based on a review of the rules governing energy efficiency and conservation, on data analysis, and on the findings of survey with key personnel in the campus's administrative management. The performance of college was found to have good quality even though some important aspects like increasing the use of solar energy and energy efficient equipments are to be considered seriously. In an opinion and to the best of our information and according to the information given to us, said Energy audit gives a true and fair view in conformity with energy auditing principles accepted in India.



Head

Dr. (Mrs.) Aasawari Jadhav
I/C. Head & Assistant Professor
Department of Environmental Science,
Shivaji University, Kolhapur**Signature valid**Digitally Signed By :-
Rajkumar Sangappa Bagali

27.07.2024 10:57

Certificate by VMEdulife (2022-23)



Signature valid

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Rajkumar Sangappa Bagali

27.07.2024 10:57

Certificate by VMEdulife (2021-22)



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Rajkumar Sangappa Bagali

27.07.2024 10:57

Certificate by VMEdulife (2020-21)



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Rajkumar Sangappa Bagali

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Certificate by VMEdulife (2019-20)



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27.07.2024 10:57

Certificate by VMEdulife (2018-19)



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27.07.2024 10:57