



Shri Shivaji Education Society, Amravati's
SCIENCE COLLEGE

Congress Nagar, Nagpur - 440 012 (M.S.) INDIA

'A+' Grade with 3.51 CGPA in 3rd Cycle

College with Potential for Excellence

Recognised Centre for Higher Learning & Research

Institutional Member of APQN

A Mentor College under UGC PARAMARSH Scheme

An ISO 21001:2018 Certified Institution

NIRF 2024 Rank-band : 201-300



E-mail: shivajiscience_ngp@yahoo.com Web : www.sscnagpur.ac.in



4th Cycle

Assessment & Accreditation by NAAC

CRITERIA- VII

Key Indicator - 7.1 Institutional Values and Social Responsibilities (50)

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 (10)

1. Green audit / Environment audit
2. Energy audit
3. Clean and green campus initiatives
4. Beyond the campus environmental promotion activities

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Shri Shivaji Education Society, Amravati's
SCIENCE COLLEGE

Congress Nagar, Nagpur- 440 012 (M.S.) INDIA

- Tel : +91-712 - 2423432 (O) • Telefax : +91-712 - 2440955
- E-mail : shivajiscience_ngp@yahoo.com
- Web : www.sscnagpur.ac.in

Shri Harshvardhan P. Deshmukh
President

Dr. Omraj S. Deshmukh
Principal

- 'A+' Grade with 3.51 CGPA (3rd Cycle) Reassessment College by NAAC, Bangalore
- A College with Potential for Excellence identified by UGC, New Delhi
- Member, APQN (Asia Pacific Quality Network)
- Recognized Centre for Higher Learning & Research
- Mentor College under 'Paramarsh Scheme' UGC, New Delhi
- An ISO 21001 : 2018 Certified Institution



Dr. Panjabrao alias Bhausaheb Deshmukh
Founder President

No. Sc.

Date :

Self Declaration

This is to certify that, the information, reports, true copies of the supporting documents, numerical data, and weblinks furnished in this file are verified by IQAC and the head of the institution and found correct.

Dr. A. A. Halder
IQAC Coordinator
S.S.E.S.A's
Science College, Nagpur

Dr. O. S. Deshmukh
Principal
S. S. E. S. Amravati's
Science College, Nagpur.



1) Policy Document on Environment and Energy

The Environment and Energy usage Policy of Shri Shivaji Education Society Amravati's, Science College, Congress Nagar, Nagpur is to manage energy in such a systematic way so as to minimize its impact on the environment. Green Campus Committee of college is devoted to the cause of environmental awareness, to undertake green initiatives, and to conduct green literacy programs to save energy and to protect the environment.


The Energy and Environment usage policy is binding for all the components of the institution and applies to all its stakeholders and to the various activities undertaken by the institution. The policy implies to explore the renewable energy resources to reduce the burden of the government and to find out alternate resources as solutions to the energy crisis. It will help us to embed efficiency and environmental awareness into our everyday activities, thus helping us to realize our responsibilities and commitment to conservation of natural resources and to limit its usage.

Objectives


- i) To sensitize all stakeholders towards a Clean, Green, and Sustainable Environment.
- ii) To help the students/Faculty understand each individual's responsibility to take an initiative to save the environment.
- iii) To work with all stakeholders and the local community to adopt environmental good practice and the reduction of any adverse effects on the environment.
- iv) To continuously improve the efficient use of all resources, including energy and water, and to reduce consumption and the amount of waste produced, recovering and recycling waste where possible.
- v) To ensure judicious use of environmental resources to meet the needs and aspirations of the present and future generations.

*i) Policy Document on Environment and Energy Usage certificate from the Auditing Agency
(Web Link)*

Sr. No.	Title
1.	Policy Document and Environment and Energy Usage Certificate from the Auditing Agency https://sscnagpur.ac.in/uploaded_files/7.1.3_1_Policy_Document_on_Environment_and_Energy_Usage_Certificate_from_the_Auditing_Agency.pdf


i) Policy Document on Environment:


Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE
Congress Nagar, Nagpur-440012



NAAC Reaccredited with 'A+ Grade' (CGPA 3.51)
 College with Potential for Excellence
 Recognized Centre for Higher Learning & Research
 Institutional Member of APQN
 A Mentor college under UGC Paramarsh Scheme
 An ISO 21001:2018 Certified Institution

***Policy Document on Environment
 and Energy usage certificate form
 the auditing agency***



Preamble:

The Environment and Energy usage policy of Shri Shivaji Education Society Amravati's Science College is to manage energy in such a systematic way so as to minimize its impact on the environment. Green campus committee of college is devoted to the cause of environmental awareness, to undertake green initiatives and to conduct green literacy programmes to save energy and to protect the environment.

Vision:

This environment and energy policy is binding for all the components of institution and applies to all stakeholders and to the various activities undertaken by the institution. The policy implies to explore the renewable energy resources to reduce the burden of the government and to find out alternate resources as solutions to the energy crisis. It will help us to embed efficiency and environmental awareness into everyday activities, thus helping us to realize our responsibilities and commitment to conservation of natural resources and to limit its usage.

Objectives:

- To sensitize all stakeholders towards a clean, Green and Sustainable Environment.
- To help the Students/Faculty understand each individual's responsibility to take an initiative to save the environment.
- To work with all stakeholders and the local community to adopt environmental good practice and the reduction of any adverse effects on environment.
- To continuously improve the efficient use of all resources, including energy and water and to reduce consumption and the amount of waste produced, recovering and recycling waste where possible.
- To ensure judicious use of environmental resources to meet the needs and aspirations of the present and future generations.

Policy:

Awareness: Shall be create awareness on Environmental conservation among students, faculty, administrative and supportive staff and work towards sustainable development.

Eco-education: Environmental studies focusing on environmental concepts and issues will be integrated into to all academic, curricular and extracurricular activities and programs of the college.

Green Initiatives: The college will work towards conserving and protecting natural resources for the future generation and will adopt green initiatives and sustainable measures for a clean and green campus. Activities to instil a sense of responsibility on environmental preservation will be promoted.

Pollution Management: Towards reducing pollution, steps will be taken up for minimising CO₂ emission from automobiles. Authorities shall take suitable steps for a Smoke-free and Tobacco-free campus. The relevant placards are displayed to highlight the need for a clean, green and sustainable environment.

Outreach Programmes: The college will take up initiatives through its extension activities to reach the society through campaigns, workshops and awareness drives on pertinent environmental issues.

Energy Saving: Graded efforts will be taken to replace out dated and energy consuming equipment with energy efficient equipment/LED bulbs, Sensor based energy conservation measures shall be adopted. All stakeholders shall avoid using electric lights in classrooms and halls where there is sufficient natural light.

Renewable Energy: To ensure energy security and conserve nation's natural resources, the use of renewable energy through installation of solar power panels to augment the energy needs of the college will be implemented soon in upcoming year.

Waste Management: Segregation of solid waste in different colour coded bins will be ensured across the campus, Solid waste management of organic matter through vermicomposting will be sustained.

Ban on Single Use Plastic: Institute shall take a step forward to ban single use plastic all together to minimize plastic pollution in the campus. All stakeholders will be advised to use jute or cloth products for various purposes.


Water management: Through replenishing the ground water by rainwater harvesting systems, borewell recharge system, trenches, ponds/bunds, judicious use of water resources and proper maintenance of water distribution system will be implemented

Quality audits on environment and energy: Energy Audit, Green Audit and Environment Audit to be conducted to assess and analyze the environmental impact. The analysis will be utilized to implement energy saving measures and upgrade the environmental condition in the campus.

The policy will be communicated to students and employees via internal communication channels, and will be made available to all the stakeholders on the institutional website. The Environment and Energy Policy, objectives and targets will be reviewed on a regular basis by the Green Campus Committee and its members under the guidance of the principal of the college.


Signature of IQAC Coordinator
Internal Quality Assurance Cell
(IQAC)
S.S.E.S. Science College
Congress Nagar, Nagpur
Score approved by the
Committee (Appendix 2)




Signature of Principal
Principal
S. S. E. S. Amravati's
Science College, Nagpur.

ii) Energy usage certificate form the auditing agency

Nutan Urja Solutions

A 703, Balaji Witefield, Near Sunni's World,

Sus Road, Sus, Pune 411 021

Phone: 83568 18381. Email: nutanurja.solutions@gmail.com

Date: 11/06/2024

CERTIFICATE

This is to certify that we have conducted Energy Audit at Shri Shivaji Education Society Amravati's Science College, Nagpur as per the guidelines of Maharashtra Energy Development Agency (www.mahaurja.com) in the year 2023-24.

The College has already adopted **Energy Efficient** practices like:

- Usage of Energy Efficient LED Fittings
- Installation of 64 kW Roof Top Solar PV Power Plant.
- Installation of 1000 Liters Solar Thermal Hot Water System

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

Nutan Urja Solutions,



K G Bhatwadekar,

Certified Energy Auditor,

EA - 22428



Nutan Urja Solutions

A 703, Balaji Witefield, Near Sunni's World,

Sus Road, Sus, Pune 411 021

Phone: 83568 18381. Email: nutanurja.solutions@gmail.com

Date: 21/08/2023

CERTIFICATE

This is to certify that we have conducted Energy Audit at Shri Shivaji Education Society Amravati's Science College, Nagpur as per the guidelines of Maharashtra Energy Development Agency (www.mahaurja.com) in the year 2022-23.

The College has already adopted **Energy Efficient** practices like:

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Certified Energy Auditor,

EA - 22428



Nutan Urja Solutions

A 703, Balaji Witefield, Near Sunni's World,

Sus Road, Sus, Pune 411 021

Phone: 83568 18381. Email: nutanurja.solutions@gmail.com

Date: 18/11/2022

CERTIFICATE

This is to certify that we have conducted Energy Audit at Shri Shivaji Education Society Amravati's Science College, Nagpur as per the guidelines of Maharashtra Energy Development Agency (www.mahaurja.com) in the year 2021-22.

The College has already adopted **Energy Efficient** practices like:

- Usage of Energy Efficient LED Fittings
- Installation of 64 kW Roof Top Solar PV Power Plant.
- Installation of 1000 Liters Solar Thermal Hot Water System

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Nutan Urja Solutions

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Sus Road, Sus, Pune 411 021

Phone: 83568 18381. Email: nutanurja.solutions@gmail.com

Date: 13/08/2021

CERTIFICATE

This is to certify that we have conducted Energy Audit at Shri Shivaji Education Society Amravati's Science College, Nagpur as per the guidelines of Maharashtra Energy Development Agency (www.mahaurja.com) in the year 2020-21.

The College has already adopted **Energy Efficient** practices like:

- Usage of Energy Efficient LED Fittings
- Installation of 64 kW Roof Top Solar PV Power Plant.
- Installation of 1000 Liters Solar Thermal Hot Water System

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Sus Road, Sus, Pune 411 021

Phone: 83568 18381. Email: nutanurja.solutions@gmail.com

Date: 24/08/2020

CERTIFICATE

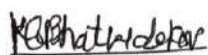
This is to certify that we have conducted Energy Audit at Shri Shivaji Education Society Amravati's Science College, Nagpur as per the guidelines of Maharashtra Energy Development Agency (www.mahaurja.com) in the year 2019-20.

The College has already adopted **Energy Efficient** practices like:

- Usage of Energy Efficient LED Fittings
- Installation of 64 kW Roof Top Solar PV Power Plant.
- Installation of 1000 Liters Solar Thermal Hot Water System

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

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Phone: 83568 18381. Email: nutanurja.solutions@gmail.com

Date: 14/08/2019

CERTIFICATE

This is to certify that we have conducted Energy Audit at Shri Shivaji Education Society Amravati's Science College, Nagpur as per the guidelines of Maharashtra Energy Development Agency (www.mahaurja.com) in the year 2018-19.

The College has already adopted **Energy Efficient** practices like:

- Usage of Energy Efficient LED Fittings
- Installation of 64 kW Roof Top Solar PV Power Plant.
- Installation of 1000-Liters Solar Thermal Hot Water System

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

Nutan Urja Solutions,



K G Bhatwadekar,

Certified Energy Auditor,

EA - 22428



2) Green Audit/Environment Audit/Energy Audit report from recognized bodies

i) Green Audit:

Internal Environmental Green audit is conducted to evaluate the actual scenario at the campus as per policy document of Institute. Green audit can be a useful tool for a college to determine how and where they are using the most energy or water or resources; the college can then consider how to implement changes and make savings. It can also be used to determine the type and volume of waste, which can be used for a recycling project or to improve waste minimization plan. It can also create health consciousness and promote environmental awareness, values and ethics. It provides staff and students better understanding of green impact on campus. A clean and healthy environment aids effective learning and provides a conducive learning environment.

Environment and Green Audit has been done nature conservation society, Akola (Maharashtra), a government recognize private agency and Department of Botany and Zoology. The methodology included data collection, insight inspection, evaluation, computation, conducting physical survey and review of relevant documentation.

ii) Energy Audit:

Energy conservation is worldwide objective. Availability and utilization of energy drives the growth of economy and advancement of any country and thus, the demand of energy is increasing day by day. The world mounting energy crises with galloping cost hike, concern for environmental protection and open market competitive economy possesses serious challenges.

In this context college electricity audit has been done by PPS Energy Solutions Private Limited, Pune, a government recognize private agency and department of physics. The Energy Efficiency Assessment was under taken in order to evaluate energy performance and identify potential energy conservation measures. The assessment was undertaken in three steps, i.e., document review of data and information initially provided by facility, on site activity and the preparation of this report. The onsite activity was conducted by assessment team on 2-may-2019 consist of interviews with staff, electricians, collection/review of further data and a field inspection of the facility and equipment's. The facility has executed a no. of energy conservation measures at the time of audit itself.

i) Green Audit/Environment Audit/Energy Audit (Web Links)

Sr. No.	Title	Link
1.	<i>Green Audit/Environment Audit Report</i>	https://sscnagpur.ac.in/uploaded_files/7.1.3_4_Green_Environmental_Audit_Report.pdf
2.	<i>Energy Audit Report</i>	https://sscnagpur.ac.in/uploaded_files/7.1.3_5_Energy_Audit_Report_2019-24.pdf

ii) Green and Environment Audit Report

Shri Shivaji Education Society Amravati's

SCIENCE COLLEGE

Congress Nagar, Nagpur-440012

Green and Environment

AUDIT REPORT

2023-2024



Prepared by

Green and Environment Audit Report

Science College

Congress Nagar, Nagpur-12

Acknowledgement

Internal Green and Environment Audit Committee would like to thank the management of Shri Shivaji Education Society's Science College, teaching & non-teaching staff, students, parents and adjoining community for extending their co-operation and valuable inputs in collection of various facts and figures. This is a significant step taken by the college and their efforts towards their contribution in conservation of resources, a worth mentioning here.

Internal Green and Environment Audit Committee also wish to thank Nutan Urja Solution for helping Internal Green and Environment Audit Committee in organizing 'Workshop on understanding Environment Management System' and appreciate their cooperation for extending their knowledge throughout the process of Internal Green and Environment Audit program. Internal Green & Environment Audit Committee express gratitude towards valuable guidance & contribution made by various NGOs, individuals and Nagpur Nagar Palika in contributing their knowledge and expertise in compiling technical data required in preparation of audit. Our special thanks are due to the Principal, Prof. M. P. Dhore of Science College, Congress Nagar, Nagpur for giving us valuable guidance.

About Science College, Congress Nagar, Nagpur

Our parent Educational Institution, Shri Shivaji Education Society, Amravati is a premier educational institution of Central India with branches in all the districts of Vidarbha region in Maharashtra. It was established by late Dr. Panjabrao alias Bhausaheb Deshmukh, first Agriculture Minister of India and a member of Constitution Draft Committee.

Science College, Congress Nagar, Nagpur, is one of the 303 institutions run by Shri Shivaji Education Society, Amravati is a premier institution of higher learning in Central India affiliated to R.T.M. Nagpur University, Nagpur.

Tamso Ma Jyotirgmaya (To lead from darkness to light) is the mission of the institution. National Assessment and Accreditation Council (NAAC) accredited the college with Five Star level in the year 2002, re-accredited with CGPA of 3.51 on four-point scale at A⁺ grade in June 2017 and identified by UGC as College with Potential for Excellence. The College is an institutional member of Asia Pacific Quality Network (APQN).

With its competent galaxy of faculty members, the college has been rendering sincere services in the field of higher education since 1967. This is a single faculty college with a variety of courses both at 10+2 stage and degree level and offers PG courses with recognized centers of Higher Learning and Research in Microbiology, Chemistry, Computer Science, Physics and Mathematics.

Google Map



Google map satellite photo of Shivaji Science College, Nagpur

Latitude: 21.12954209456423, Longitude: 79.08213349172318

Introduction

The expeditious urbanization and economic development at local, national and international level has led to several environmental and ecological emergencies. To prevent damages due to site specific activities, practices, processes and procedures followed by various institutions, businesses, organizations or factories, it becomes essential to adopt methods, process and procedures for making green campus for the institutions, businesses, organizations or factories which will lead for sustainable development.

Science College has concentrated its focus to save environment at every possible way. The college made it clear from its environment policy that it's a priority area to conserve environment and promote education & awareness about keeping campus green. The purpose of conducting the Internal Green and Environmental Audit is to understand and make continuous efforts to reduce adverse impact on environment. The college hires consultants and resource persons in environment education and protection. The methodology to conduct Internal Green Audit & Environmental Audit was designed with the help of consultants and NGOs with the teaching staff of the college. It includes draft of questionnaire, in-situ site inspection in the campus, scrutinize and evaluate documentation, monitor procedures, practices and processes carefully. The formation of Internal Green and Environment Audit Committee with involvement of external subject specialist has made report valuable. The Internal Green and Environment Audit Committee has made valuable recommendations. The committee proposed remedial procedures to reduce the carbon foot print of the college. It works for the betterment of environment in the college campus including air, water, noise, soil quality, waste management, care for flora & fauna in campus, importance of paperless working, future plans for adopting alternative energy creation by adopting solar powered energy generation.

Internal Green Audit

Internal Green Audit is a process of systematic verification of activities, identification of adverse impacts, evaluation of systems, documentation process, reporting and analysis of environmental diversity of various institutions, businesses, organizations or factories. It aims to analyze environmental practices and processes within and outside of the targeted institution, business, organization or factory, which will have an impact on the ecologically friendly environmentally-safe ambience.

Internal Environment Audit

An Internal Environmental Audit is an assessment performed to ensure that institutions, businesses, organizations or factories are complying with environmental regulations policies. It examines the amount of adverse impact on environment or risk of injury that may be posed by the assessed entity and determines the types of pollution being produced by looking at a broad range of site-specific activities, practices, processes and procedures. The information compiled from these factors to determine what remedial procedures are required to be added for better good.

Scope

Internal Green and Environment Audit play a significant role in continuing operation of institutions, businesses, organizations or factories. It keeps institutions accountable by scrutinizing their site-specific procedures and determining what remedial measures are required to be added or put in place to ensure institutions, businesses, organizations or factories are following the proper statute.

Objective

The key objectives of an internal environmental audit therefore are to: determine how well the environmental management systems and equipment are performing, verify compliance with the relevant national, local or other laws and regulations, minimize human exposure to risks from environmental, health and safety problems.

Methodology

Internal Green & Environment Audit Committee was formed and decided to call upon an open discussion on how to conduct Internal Green & Environment Audit. The committee came to a conclusion that external party will look into overall infrastructure, procedures, practices and operation of the collage and will draft detail questionnaire. Questionnaires provide a relatively rapid and efficient way of obtaining large amounts of information from a large number of people. Questionnaire are easy to respond. Specifically, answers obtained through closed-ended questions with multiple choice answer options are easy to obtain and less time consuming.

Answers obtained from open-ended questionnaire are analysed using qualitative methods and they involve discussions and critical analyses without any difficulty. This was useful because the information led to concrete conclusions. The methodology also included

a physical inspection of the campus, observation, and review of the documentation, interviewing key persons and data analysis, measurements, and suggesting recommendations.

The efforts were taken to understand following focus areas and emphasis was given to know facts on the ground:

Overall area inspection to find out efforts taken by the college to promote greenery in campus.

Management & performance of water distribution and its conservation, be it a municipal supply or the water collected by rain water harvesting.

Drinking water and water consumption for other purposes such as construction, gardening etc and its management.

Use of electricity and other types of energy uses and management related to it.

Test air quality, noise level and water in the campus with the help of external service providers.

Observe solid and liquid waste management in the campus.

E-waste management.

Initiatives, projects and activities taken for conservation of flora, fauna and the measures taken to improve environment management systems in the college campus.

Environment Policy

Science College not only target to impart quality education but also understand responsibility towards protection of environment for the future generation. The college wish to create environmentally safe practices to ensure that the college campus is kept green by reducing its carbon foot print. The college monitors its operation and make it an economically successful & sustainable along with being socially responsible. Environment Policy compels each and every one of the colleges to follow practices, processes and operation supported by identified groups and individuals. Environment Policy also target to enrol external parties such as vendors and suppliers in achieving the environment conservation objective in their relevant fields too.

Environmental Policy Document

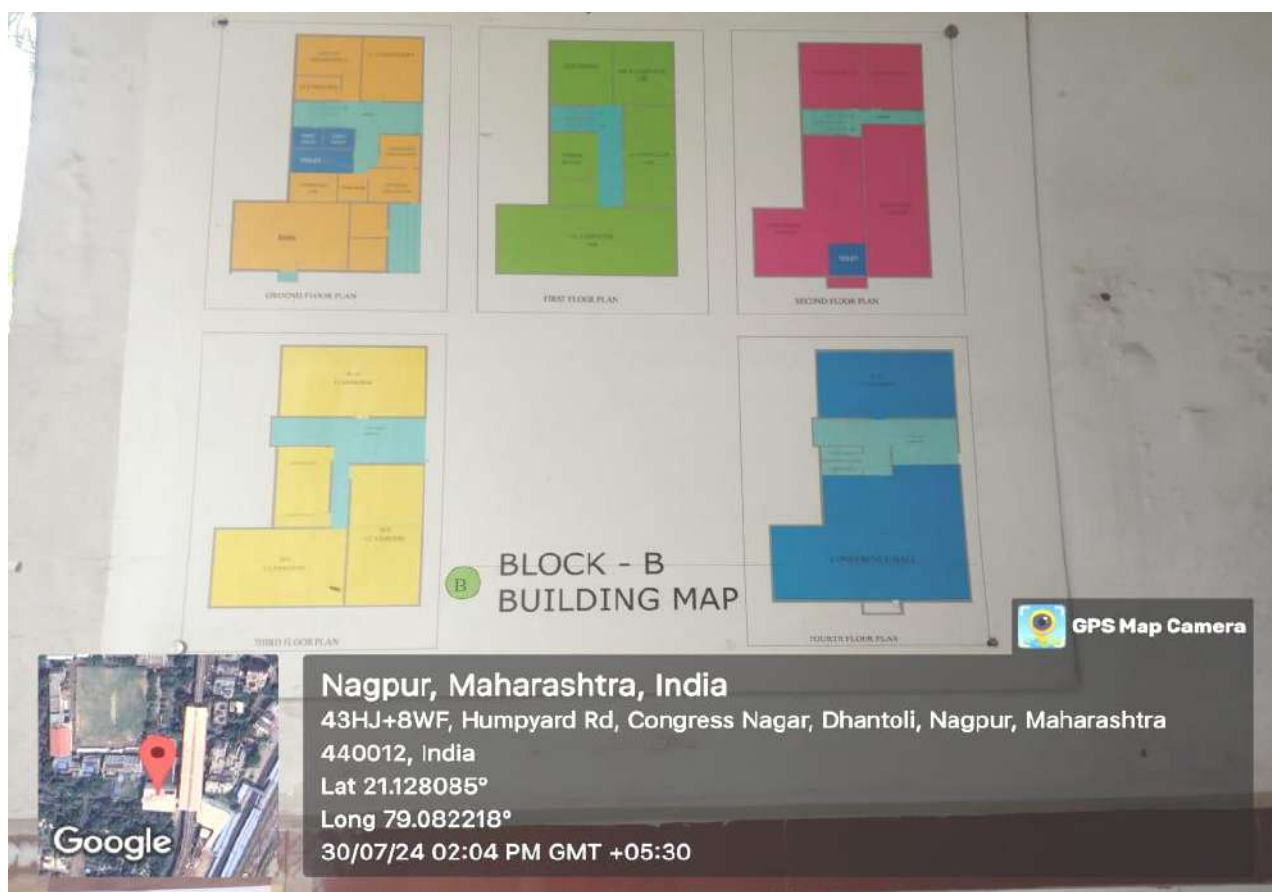
Science College, Congress Nagar, Nagpur is a quality conscious college. It protects its own environment and efforts are taken to keep it a pollution free green campus. Environment protection, conservation and education are key areas that are weaved together in education and in academia of the college. The management, teaching & non-teaching staff, students and community members of the college look after the environment carefully. Every year, during

rainy season, trees are planted and are carefully looked after. It's the responsibility of Shivaji Arts & Science College to preserve the greenery in the college campus.

- i. To create awareness regarding environmental policy of our college to management, teaching & non-teaching staff, students and community members.
- ii. To keep college campus free from pollution by avoiding open fire, managing garbage, prohibiting tobacco & pan masala spitting in the campus. Caution poster in regard to health, hygiene and environment protection are displayed in the campus.
- iii. Segregate bio-degradable & non-bio-degradable waste. Create composting facility for bio-degradable waste conversion to make manure and recycle non-biodegradable waste.
- iv. To provide safe drinking water to students and staff by installing RO Water Filtration facility at the campus.
- v. To install and maintain 'Rain Water Harvesting' in the campus. To collect every rain drop falling on the roof of the collage and to store the harvested water in water harvesting well constructed at the college.
- vi. To observe 'No Vehicle Day' in persuit of reducing vehicular pollution.
- vii. To communicate electronically in an effort to reduce consumption of paper.
- viii. To place the dustbins and promote hygienic condition in the college campus.
- ix. To evaluate the environmental performance of the college by conducting Internal Green and Environment Audit annually.

Schematic design of college





Green Audit Report- Shri Shivaji Science College, Nagpur



**Report
On
Green Audit
At
Shri Shivaji Education Society Amravati's
Science College,
Nagpur
(Year 2023-24)**



Prepared by
Nutan Urja Solutions

A703, Balaji Wite field, Near Sunni's World,

Sus Road, Sus, Pune 411 021

Phone: 83568 18381. Email: nutanurja.solutions@gmail.com



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Acknowledgement

We at Nutan Urja Solutions, Pune, express our sincere gratitude to the management of Shri Shivaji Education Society Amravati's Science College, Nagpur for awarding us the assignment of Green Audit of their college premises.

We are also thankful to various Head of Departments & other Staff members for helping us during the field measurements.

We hope that the recommendations stated in this report will be useful and worthy of discussions to take things forward to help implementation of energy conservation measures and green practices. While we have made every attempt to adhere to high quality standards, in both data collection and analysis through the report, we would welcome your suggestions so as to improve upon this report further.



Executive Summary

Green Audit of Shri Shivaji Education Society Amravati's Science College, Nagpur is conducted by Nutan Urja Solutions, Pune. Based On the audit field study, following important points can be presented.

1. Present Energy Consumption

Shri Shivaji Education Society Amravati's Science College, Nagpur uses Electrical Energy as the source of Energy for various equipment in the college campus. In the following Table, we present the details of Energy Consumption.

Tableno1: Details of energy consumption

Sr no	Parameter	Energy consumed, (Units)	CO2 Emission (MT)
1	Maximum	569	0.46
2	Minimum	164	0.13
3	Average	236	0.19
4	Total	2,829	2.26

2. Various Measures Adopted for Energy Conservation

1. Usage of STAR Rated AC sat new installations
2. Usage of LED lights at some indoor locations
3. Usage of LED Lights for outdoor lighting.

3. Usage of Renewable Energy

The College has installed a Roof Top Solar PV Plant. The percentage of usage of Alternate Energy to Annual Energy Requirement is 72 %.

4. Rain Water Harvesting

The College has installed the Rainwater harvesting project, to reduce dependency on municipal corporation water supply.

5. Waste Management

The College has already installed a Bio composting Plant, wherein, the bio-degradable waste is composted & is used as fertilizer for the garden.

The internal communication is through emails and there is hardly any generation of e-Waste in the premises.

Green Audit Report- Science College, Congress Nagar Nagpur



6. Notes and Assumptions

1. Daily working hours-10Nos
2. Annual working Days-250Nos
3. Average Rate of Electrical Energy: Rs 11/- per kWh

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Green Audit Report- Science College, Congress Nagar Nagpur



Abbreviations

CFL	: Compact Fluorescent Lamp
FTL	: Fluorescent Tube Light
LED	: Light Emitting Diode
V	: Voltage
I	: Current
kW	: Kilo-Watt
kWh	: kilo-Watt Hour
kVA	: Active Power

Nutan Urja Solutions, Pune.



1. Introduction

Shri Shivaji Education Society Amravati's Science College is located in Nagpur. With its competent galaxy of faculty members, the college has been rendering sincere services in the field of higher education since 1967. This is a single faculty college degree level and offers PG courses with recognized centers of Higher Learning and Research in Microbiology, Chemistry, Computer Science, Physics and Mathematics.

Objectives

1. To study present level of Energy Consumption
2. To Study the present CO₂ emissions
3. To assess the various equipment/facilities from Energy efficiency aspect
4. To measure various Electrical parameters
5. To study Scope for usage of Renewable Energy
6. To study various measures to reduce the Energy Consumption

Audit methodology

1. Study of connected load
2. Study of various Electrical parameters
3. To prepare the Report with various Encon measures with pay back analysis



2. Study of Electrical Energy Consumption

In this chapter, electricity bills are studied for the analysis of electrical energy consumption.

Tableno2.1: Summary of electricity bills

No	Month	Energy (kWh)	Bill Amount (Rs)
1	Jun-24	216	24408
2	May-24	242	27346
3	Apr-24	248	28010
4	Mar-24	236	27789
5	Feb-24	181	26703
6	Jan-24	173	26528
7	Dec-23	181	26331
8	Nov-23	164	26895
9	Oct-23	193	34515
10	Sep-23	569	27786
11	Aug-23	248	26486
12	Jul-23	178	26747
	Total	2,829	3,29,544

Variation in energy consumption is as follows.

7

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Green Audit Report- Science College, Congress Nagar Nagpur

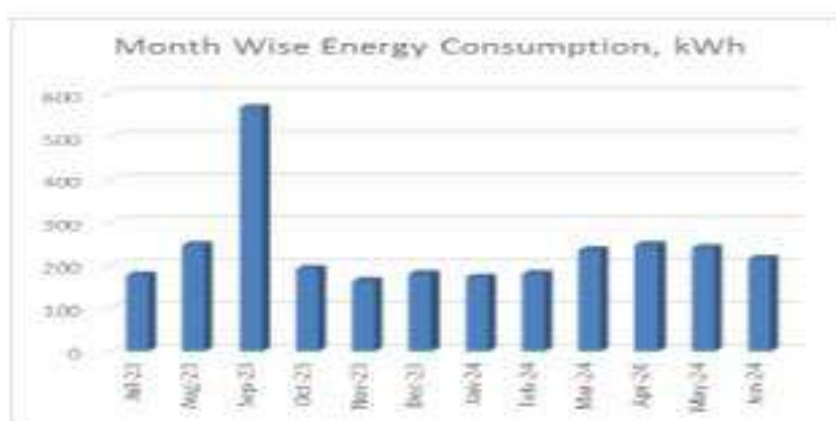


Figure2.1: Monthwiseenergyconsumption

Monthly variation in electricity bill is as follows,

Green Audit Report- Science College, Congress Nagar Nagpur

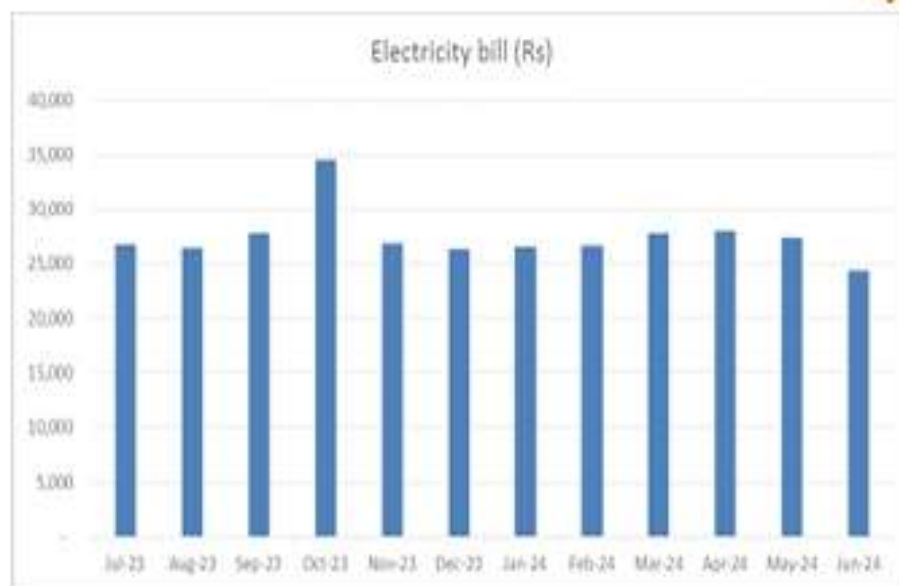


Figure2.2:Monthwiseelectricitybill

Key observations of electricity bill areas follows,

Green Audit Report- Science College, Congress Nagar Nagpur



Table no. 2.2: Key Observations

Sr no	Parameter	Energy consumed, (Units)	CO2 Emmision (MT)
1	Maximum	569	0.46
2	Minimum	164	0.13
3	Average	236	0.19
4	Total	2,829	2.26



3. Carbon Foot printing

1. A **Carbon Foot print** is defined as the Total Greenhouse Gas emissions (CO₂ emissions), emitted due to various activities. In this we compute the emissions of Carbon-Di-Oxide, by usage of the various form of Electrical Energy used by the College for performing its day to day activities

2. Basis for computation of CO₂Emissions:

The basis of Calculation for CO₂ emissions due to Electrical Energy is as under

- 1Unit (kWh)of Electrical Energy releases **0.8 Kg ofCO₂**into atmosphere.

Based on the above Data we compute the CO₂ emissions which are being released in to the atmosphere by the College due to its Day to Day operations

We here with furnish the details of various forms of Energy consumption as under

Table 3.1: Month wise Consumption of Electrical Energy & CO₂ Emissions

No	Month	Energy Consumed, kWh	CO ₂ Emissions, MT
1	Jun-24	216	0.17
2	May-24	242	0.19
3	Apr-24	248	0.20
4	Mar-24	236	0.19
5	Feb-24	181	0.14
6	Jan-24	173	0.14
7	Dec-23	181	0.14
8	Nov-23	164	0.13
9	Oct-23	193	0.15
10	Sep-23	569	0.46
11	Aug-23	248	0.20
12	Jul-23	178	0.14
	Total	2,829	2.26

In the following Chart we present the CO₂ emissions due to usage of Electrical Energy.

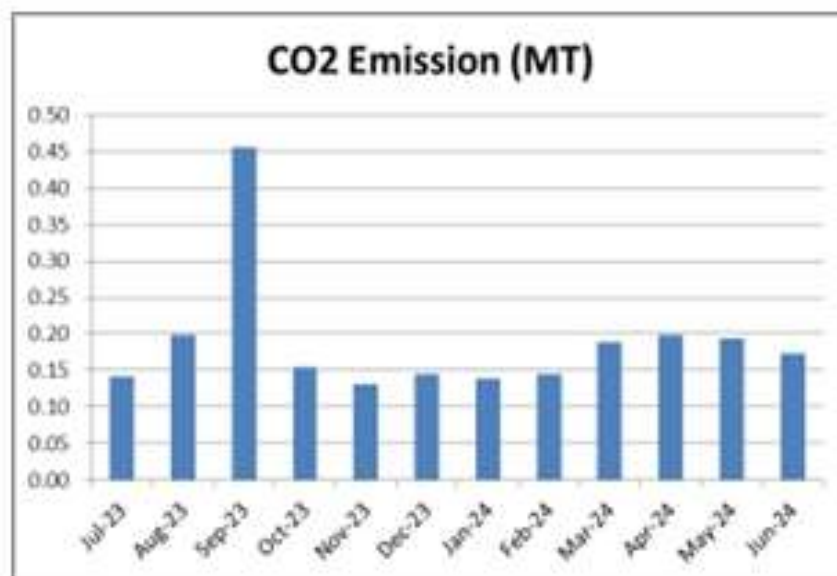


Figure 3.1: Month wise CO2 Emission



4. Study of Usage of Alternate Energy

In this Chapter, we compute the percentage of Usage of Alternate/Renewable Energy to Annual Energy Requirement of the College. The College has installed Solar PV System of 64kW capacity. The college has also installed 10,000 liters capacity Solar Thermal Hot Water system on hostel campus.

Table4.1: Computation of % Usage of Alternate Energy to Annual Energy Requirement

No	Particulars	Value	Unit
1	Annual Energy Purchased from MSEDCL	2,829	kWh/Annum
2	Energy Generated by Roof Top Solar PV System	96000	kWh/Annum
3	Total Energy Requirement of College	98,829	kWh/Annum
4	% of Usage of Alternate Energy to Annual Energy Requirement	97	%

Photograph of Solar PV plant





5. Study of Rain Water Harvesting

The College has already installed Rain Water Harvesting project, wherein the rain water falling on the terrace is collected and through pipes it is fed to underground Water Storage tank. This stored water is then reused for domestic purpose.

Photograph of Rain Water Harvesting pipe





6. Study of Waste Management

Solid Waste Management

The College has already installed a Bio composting Plant, where in, the bio-degradable waste is composted & is used as fertilizer for the garden.

e-Waste Management

The internal communication is through emails and there is hardly any generation of e- Waste in the premises.



7. Study of Green Practices

No of students who don't use own Vehicle for coming to Institute

Out of total students coming to Institute, about 60% students use own Automobile.

Usage of Public Transport

During the Students transport study, it was revealed that the local students who are residing near areas make use of Public Transport like Municipal Transport local buses, local sharing type auto rickshaws. Some students use bicycles. Institute encourages students to not to use automobiles.

Pedestrian Friendly Roads

The Institute has well defined pedestrian foot paths as to facilitate the easy movement of the students within the campus.

Photograph of Road with in campus



Plastic Free Campus

The Institute is an active participant in the Government of India's most prestigious project of SWATCHH BHART ABHIYAN. The Institute has displayed boards in the Campus, to make the campus plastic free. Various measures adopted for this purpose are as follows

- Installation of Separate waste bins for Dry waste & wet waste
- Usage of paper tea cups in the Institute canteen
- Display of boards in the campus for Plastic Free campus

Paperless Office

The internal communication of the Institute is through the Internet. There are hardly any day to day operations, where printing is required.

Green Audit Report- Science College, Congress Nagar Nagpur



Green Land scaping with Trees and Plants

The Institute has beautiful maintained Garden.



Figure7.1: Beautiful maintained Garden of college

Environmental Audit Report- Science College Congress Nagar, Nagpur



**Report
On
Environmental Audit
At
Shri Shivaji Education Society Amravati's
Science College,
Nagpur
(Year 2023-24)**



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Acknowledgement

We at Nutan Urja Solutions, Pune wish to express our sincere gratitude to the management of Shri Shivaji Education Society Amravati's Science College, Nagpur for assigning the work of Environmental Audit of college campus.

We appreciate the co-operation and support extended to our team members during the entire tenure of field study.

We are also thankful to various Head of Departments & other Staff members for helping us during the field measurements.

We are also thankful to all other staff members who helped us during the Measurements at the field and for giving us the necessary inputs to carry out this vital exercise.



Executive Summary

After the Field measurements & analysis, we present herewith important observations made and various measures to reduce the dependency on Natural resources & reduce the pollution.

Shri Shivaji Education Society Amravati's Science College, Nagpur consumes various resources for day to day operations, namely: Air, Water, Electrical Energy & LPG.

1. Various Pollution due to College Activities:

- Air pollution: Mainly CO₂ on account of Electricity & LPG Consumption
- Solid Waste: Biodegradable Kitchen Waste, Garden Waste
- Liquid Waste: Human liquid waste

2. Present Level of CO₂ Emissions:

Sr no	Parameter	Energy consumed, (kWh)	CO ₂ Emission (MT)
1	Maximum	569	0.46
2	Minimum	164	0.13
3	Average	236	0.19
4	Total	2,829	2.26

3. The various projects already implemented for Environmental Conservation:

- Usage of Energy Efficient BEESTAR Rated ACs
- Usage of Natural Daylight in corridors
- Implementation of Bio Composting pit for disposal of Biodegradable waste
- Implementation of Rain Water Harvesting
- Installation of 65kW Solar PV Power Plant.

4. Recommendations:

1. Installation of Bio Gas Generator Plant instead of Bio composting Plant.

5. Notes & Assumptions:

1. 1kWh of Electrical Energy releases 0.8 Kg of CO₂ into atmosphere
2. 1kWp Solar PV plant generates 5 kWh/day Electrical Energy for 300 days in an year.

**Abbreviations**

AC	: Air conditioner
PES	: Progressive Education Society
CFL	: Compact Fluorescent Lamp
FTL	: Fluorescent Tube Light
LED	: Light Emitting Diode
kWh	: kilo-Watt Hour
Qty	: Quantity
W	: Watt
kW	: Kilo Watt
PF	: Power Factor
M D	: Maximum Demand
PC	: Personal Computer
MSEDCL	: Maharashtra State Electricity Distribution Company Ltd



1. Introduction

Important Definitions:

Environment: Definition as per environment Protection Act: 1986

Environment includes water, air and land and the inter-relationship which exists among and between Water, Air, Land and Human beings, other living creatures, plants microorganism and property

Environmental Audit: Definition:

An audit which aims at verification and validation to ensure that various environmental laws are complied with and adequate care has been taken towards environmental protection and preservation

According to UNEP, 1990, "Environmental audit can be defined as a management tool comprising systematic, documented and periodic evaluation of how well environmental organization management and equipment are performing with an aim of helping to regularize the environment"

Environmental Pollutant: means any solid, liquid and gaseous substance present in the concentration as may be, or tend to be, injurious to Environment.

Relevant Environmental Laws in India: Table No-1:

1927	The Indian Forest Act
1972	The Wildlife Protection Act
1974	The Water(Prevention and Control of Pollution) Act
1977	The Water(Prevention & Control of Pollution) Cess Act
1980	The Forest(Conservation) Act
1981	The Air(Prevention and Control of Pollution) Act
1986	The Environment Protection Act
1991	The Public Liability Insurance Act
2002	The Biological Diversity Act
2010	The National Green Tribunal Act

Some Important Environmental Rules in India: Table No-2:

1989	Hazardous Waste(Management and Handling) Rules
1989	Manufacture, Storage and Import of Hazardous Chemical Rules
2000	Municipal Solid Waste(Management and Handling) Rules
1998	The Biomedical Waste(Management and Handling) Rules
1999	The Environment(Siting for Industrial Projects) Rules
2000	Noise Pollution(Regulation and Control) Rules
2000	Ozone Depleting Substances(Regulation and Control) Rules

Environmental Report- Science College Congress Nagar, Nagpur



2011	E-waste(Management and Handling)Rules
2011	National Green Tribunal (Practices and Procedure) Rules
2011	Plastic Waste(Management and Handling)Rules

1.1.6 National Environmental Plans & Policy Documents: Table No-3:

1.	National Forest Policy, 1988
2.	National Water Policy, 2002
3.	National Environment Policy or NEP (2006)
4.	National Conservation Strategy and Policy Statement on Environment and Development, 1992
5.	Policy Statement for Abatement of Pollution (1992)
6.	National Action Plan on Climate Change
7.	Vision Statement on Environment and Human Health
8.	Technology Vision 2030 (The Energy Research Institute)
9.	Addressing Energy Security and Climate Change (MoEF and Bureau of Energy Efficiency)
10.	The Road to Copenhagen; India's Position on Climate Change Issues (MoEF)

Objectives

1. To study present usage of Natural resources the College is consuming
2. To Study the present pollution sources
3. To study various measures to make the campus Self sustainable in respect of Natural resources
4. To suggest the various measures to reduce the pollution: Air, Water, Noise

Audit Methodology:

1. Study of College as System
2. Study of Electrical Energy Consumption
3. Study of CO₂ emissions
4. Suggestions on usage of Renewable Energy

General Details of College

No	Head	Particulars
1	Name of Institution	Shri Shivaji Education Society Amravati's Science College, Nagpur
2	Address	Shri Shivaji Education Society Amravati's Science College, Nagpur, Congress Nagar, Nagpur
3	Affiliation	R.T.M. Nagpur University, Nagpur



2. Study of Consumption of Various Resources

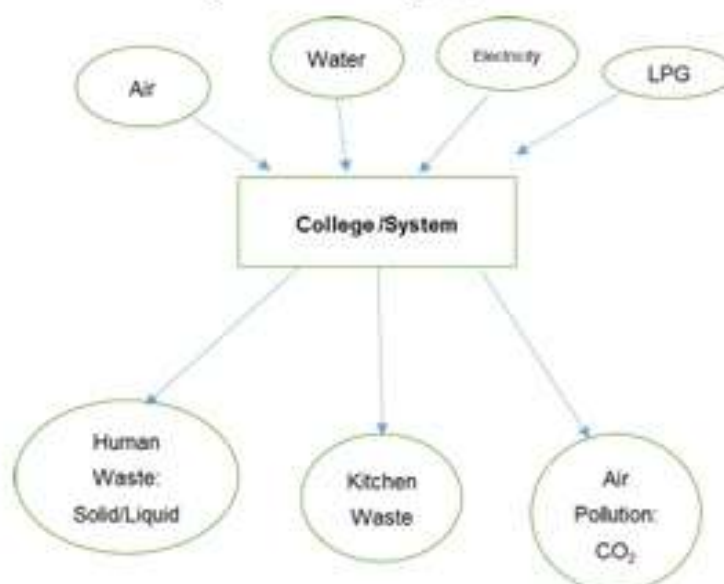
The Institute consumes following basic/derived Resources:

1. Air
2. Water
3. Electrical Energy
4. Liquefied Petroleum Gas

Also, college emits following pollutants to environment

1. Human Waste: Solid/ Liquid
2. Kitchen waste
3. Air pollution

We try to draw as schematic diagram for the College System & Environment as under.



Now we compute the Generation of CO₂ on account of consumption of Electrical Energy & LPG as under.

The calculation of electrical energy consumption by college can be given as.

**Table2.1: Electrical Energy Consumption**

No	Month	Energy (kWh)
1	Jun-24	216
2	May-24	242
3	Apr-24	248
4	Mar-24	236
5	Feb-24	181
6	Jan-24	173
7	Dec-23	181
8	Nov-23	164
9	Oct-23	193
10	Sep-23	569
11	Aug-23	248
12	Jul-23	178
	Total	2,829
	Maximum	569
	Minimum	164
	Average	236



Variation of Monthly Electrical Energy Consumption

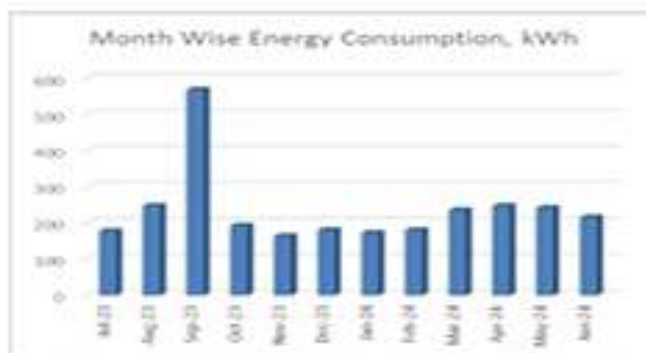


Figure2.1: Monthly Electrical Energy Consumption

Key Inference drawn

From the above analysis, we present following important parameters:

Table2.2: Variation in Important Parameters

No	Parameter/ Value	Energy Consumed, kWh
1	Maximum	569
2	Minimum	164
3	Average	236
4	Total	2,829



3. Study of Environmental Pollution

In this Chapter, we present the various types of Pollution as under:

Air Pollution

The College is using two forms of Energies, namely: Thermal in the form of LPG and Electrical Energy used for day to day operations of the College. The major pollutant on account of above Energy forms is the Carbon Di Oxide.

- 1 unit (kWh) of Electrical Energy emits 0.8 Kg of CO₂ in the atmosphere
 - 1 Kg of LPG emits 3 Kg of CO₂ in the atmosphere
- In the following Table, we present the CO₂ emissions.

Table 3.1: Month wise Consumption of Electrical Energy & CO₂ Emissions:

No	Month	Energy Consumed, kWh	CO ₂ Emissions, MT
1	Jun-24	216	0.17
2	May-24	242	0.19
3	Apr-24	248	0.20
4	Mar-24	236	0.19
5	Feb-24	181	0.14
6	Jan-24	173	0.14
7	Dec-23	181	0.14
8	Nov-23	164	0.13
9	Oct-23	193	0.15
10	Sep-23	569	0.46
11	Aug-23	248	0.20
12	Jul-23	178	0.14
	Total	2,829	2.26
	Maximum	569	0.46
	Minimum	164	0.13
	Average	236	0.19

In the following Chart we present the CO₂ emissions due to usage of Electrical Energy.

Environmental Report- Science College Congress Nagar, Nagpur

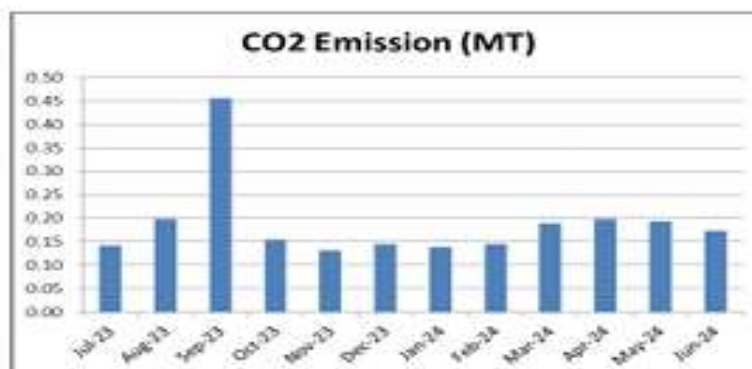


Figure2.1:CO2emissionduetousageof electrical energy.

Study of Solid Waste Generation

The College has already installed a Bio composting Plant, wherein, the bio- degradable waste is composted & is used as fertilizer for the garden.

Photograph of Bio Composting Processing Tanks

Study of Liquid Waste Generation

At present the Liquid Waste generated due to day to day operations is drained off to the municipal Corporation through a pipe.

Study of e-Waste Management:

The internal communication is through mails and hence there is hardly any generation of e-Waste in the premises.



4. Study of Rain Water Harvesting

The College has already installed Rain Water Harvesting project, wherein the rain water falling on the terrace is collected and through pipes it is fed to underground Water Storage tank. This stored water is then reused for domestic purpose.

Photograph of Rain Water Harvesting pipe





5. Recommendations

In order to reduce the dependency on Natural resources and also in order to reduce the various pollutions arising due to the day to day operations of the College we herewith recommend following recommendations.

- Installation of Bio Gas Generator Plant instead of Bio composting Plant.

Saving our planet,
lifting people out of poverty,
advancing economic growth
these are one and the same fight.
We must connect the dots
between climate change,
water scarcity, energy shortages,
global health, food security and
women's empowerment.
Solutions to one problem
must be solutions for all.

- Ban Ki-moon



Prepared by

Green and Environment Audit Report

Science College, Congress Nagar, Nagpur



Shri Shivaji Education Society Amravati's

SCIENCE COLLEGE

Congress Nagar, Nagpur-440012

Energy

AUDIT REPORT

2023-2024



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Energy Audit Report - Science College, Congress Nagar, Nagpur



**Report
On
Energy Audit
At
Shri Shivaji Education Society Amravati's
Science College,
Nagpur
(Year 2023-24)**



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Acknowledgement

We at Nutan Urja Solutions, Pune, express our sincere gratitude to the management of Shri Shivaji Education Society Amravati's Science College, Nagpur for awarding us the assignment of Energy Audit of their college premises.

We are also thankful to various Head of Departments & other Staff members for helping us during the field measurements.

We hope that the recommendations stated in this report will be useful and worthy of discussions to take things forward to help implementation of energy conservation measures through energy savings. While we have made every attempt to adhere to high quality standards, in both data collection and analysis through the report, we would welcome your suggestions so as to improve upon this report further.



Executive Summary

After the Field measurements & analysis, we present herewith important observations made and various measures to reduce the Energy Consumption & mitigate the CO₂ emissions. College consumes Energy in the form of Electrical Energy used for various gadgets, Office & other facilities.

1. Present Energy Consumption

In the following Table, we present the details of Energy Consumption.

Table no 2.1: Details of energy consumption

Sr no	Parameter	Energy consumed, (kWh)	CO2 Emission (MT)
1	Maximum	569	0.46
2	Minimum	164	0.13
3	Average	236	0.19
4	Total	2,829	2.26

2. Energy Conservation Projects already installed

1. Usage of STAR Rated ACs at new installations
2. Usage of LED lights at some indoor locations
3. Usage of LED Lights for outdoor lighting.

3. Key Observations

1. Usage of LED lights.
2. Usage of star rated equipment.
3. Maintained a good power factor.

4. Percentage of Usage of Alternate Energy

The College has installed a Roof Top Solar PV Plant. The percentage of usage of Alternate Energy to Annual Energy Requirement is 97 %.

5. Percentage of Usage of LED Lighting

The College has various Types of Light fittings. The percentage of Annual LED Lighting Usage to Annual Lighting requirement works out to be 62 %.



6. Recommendations

Table no 1: Recommendations for energy savings

No	Recommendation	Annual Saving potential, kWh/Annunm	Annual Monetary Gain, Rs.	Investment Required, Rs.	Payback period, Months
1	Replacement of 92 Nos T-8 fittings with 20W LED fittings	1,840	20,240	58,972	35
2	Replacement of 411 Nos Old Ceiling Fans with STAR rating fans	20,550	2,26,050	8,93,514	47
	Total	22,390	2,46,290	9,52,486	46

7 Notes & Assumptions

1. Daily working hours-10 Nos
2. Annual working Days-300 Nos
3. Average Rate of Electrical Energy : Rs 11/- per kWh



Abbreviations

CFL	: Compact Fluorescent Lamp
FTL	: Fluorescent Tube Light
LED	: Light Emitting Diode
V	: Voltage
I	: Current
kW	: Kilo- Watt
kWh	: kilo-Watt Hour
kVA	: Active Power



1. Introduction

Shri Shivaji Education Society Amravati's Science College is located in Nagpur. With its competent galaxy of faculty members, the college has been rendering sincere services in the field of higher education since 1967. This is a single faculty college degree level and offers PG courses with recognized centers of Higher Learning and Research in Microbiology, Chemistry, Computer Science, Physics and Mathematics.

Objectives

1. To study present level of Energy Consumption
2. To Study Electrical Consumption
3. To assess the various equipment/facilities from Energy efficiency aspect
4. To study various measures to reduce the Energy Consumption

Audit Methodology:

1. Study of connected load
2. Study of various Electrical parameters
3. To prepare the Report with various Encon measures with payback analysis

General Details of College

Table No-1.1: Details of college

No	Head	Particulars
1	Name of Institution	Shri Shivaji Education Society Amravati's Science College, Nagpur
2	Address	Shri Shivaji Education Society Amravati's Science College, Nagpur, Congress Nagar, Nagpur
3	Affiliation	R. T. M. Nagpur University, Nagpur



2. Study of connected load

In this chapter, we present details of various connected electrical equipment and electrical load.

Table No-2.1: Location wise study of Electrical fittings in various buildings

No	Location	FTL (40W)	CFL	LED tube (20W)	LED bulb (12W)	Computers (65W)	Fans	1.5 Tr Star rated AC
1	Office		14	2		11	9	
2	Cabin			1	8	2	4	1
3	Meeting Hall		30		2		6	3
4	Cabin Porch				3		2	
5	Porch			1	5			
6	Exam Room			2			1	
7	Store Room	1		1				
8	Micro Biology	12		18		4	15	3
9	Biotech	9	52	5		4	17	3
10	Zoology			20		3	11	
11	Statistics	4		2	8	2	12	
12	Jr. Electronics	5		4		3	9	1
13	Electronics	11		2			9	1
14	Mathematics	2		1	6	5	4	1
15	B 1	3		1			4	
16	Physical Dept.	2		5		1	2	
17	Jr. Chemistry	2		4			4	
18	English Dept.	1	1	2	6	6	6	1
19	Computer Dept.	1		66	3	132	14	16
20	Research Lab				4	9		1
21	B 2			1			4	
22	B 3	1					4	
23	B 4	1					2	

Energy Audit Report - Science College, Congress Nagar, Nagpur



24	Jr. Physics			3			5	
25	Jr. Biology			3			4	
26	Fisheries Jr.	1		1			2	
27	3rd Floor Pasage	3	1	4				
28	B 7	2					4	
29	B 6	1					4	
30	B 9	4		3			9	
31	BCA		28		360	51	8	4
32	BCA Lab 2					29	7	3
33	B 12				11		7	
34	B 13	1		3			5	
35	Conference Hall							
36	B Block Stairs			8				
37	B Block Bath		6					
38	B Block Pasage				72		2	
39	B Block Porch			4			4	
40	301 to 313		14	15			14	
41	201 to 212			20			20	
42	101to 119			20			20	
43	Mess	3	7	3			8	
44	Warden Room			5		1	5	
45	Guest House		4	4	8		6	3
46	Gym	8					7	
47	Hostel Porch & Stairs		32	2			1	
48	First Floor Bath	2	10					
49	Second Floor Bath	2	14					
50	Botany			6		3	5	1
51	Botany PG Lab			4			4	
52	Botany Laboratory			10			6	
53	Chemistry			56		7	30	1
54	Library	2			104	37	40	
55	IQAC	1		2		2	2	1

Energy Audit Report - Science College, Congress Nagar, Nagpur



56	Guard Room			1			1	
57	College Parking	5						
58	Jr. Office	2				2	2	1
59	Physics Dept.			43		18	40	1
	Total	92	213	358	600	332	411	46

Apart from above load, the college has pumps, street lights. Individual fitting wise load is as under.

Table No 2.2: Equipment wise Connected Load

No	Equipment	Qty	Load, W/Unit	Load, kW
1	F T L-40 W	92	40	3.7
2	CFL	213	24	5.1
3	LED Tube-20W	358	20	7.2
4	LED bulb	600	12	7.2
5	Computers	332	65	21.6
6	Ceiling Fan	411	65	26.7
7	AC (1.5Tr)	46	1838	84.5
8	LED focus Street light	4	35	0.1
9	Pumps (2 nos 2HP)			3.0
	Total			114.4

Data can be represented in terms of PIE chart as under,

Energy Audit Report - Science College, Congress Nagar, Nagpur

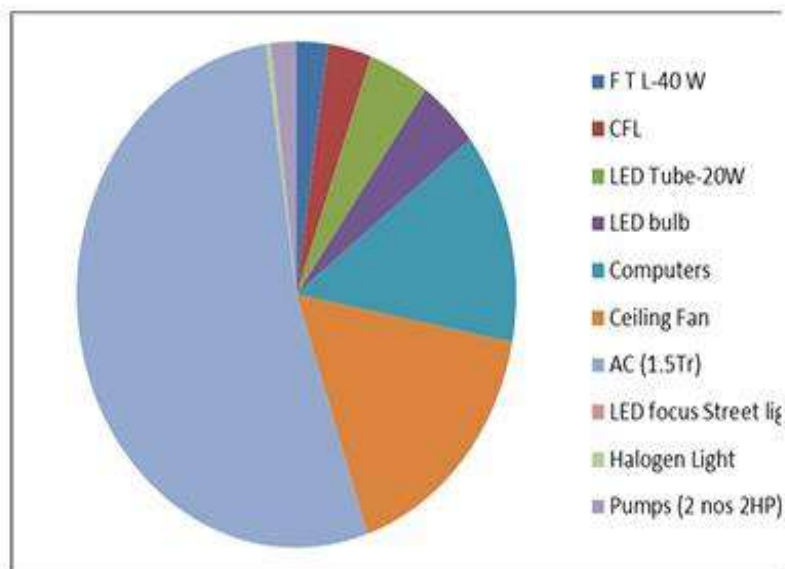


Figure 2.1: Distribution of connected load.



3. Study of Electrical Energy Consumption

In this chapter, electricity bills are studied for the analysis of electrical energy consumption.

Table no 3.1: Summary of electricity bills

No	Month	Energy(kWh)	Bill Amount (Rs)
1	Jun-24	216	24408
2	May-24	242	27346
3	Apr-24	248	28010
4	Mar-24	236	27789
5	Feb-24	181	26703
6	Jan-24	173	26528
7	Dec-23	181	26331
8	Nov-23	164	26895
9	Oct-23	193	34515
10	Sep-23	569	27786
11	Aug-23	248	26486
12	Jul-23	178	26747
	Total	2,829	3,29,544

Variation in energy consumption is as follows,

Energy Audit Report - Science College, Congress Nagar, Nagpur

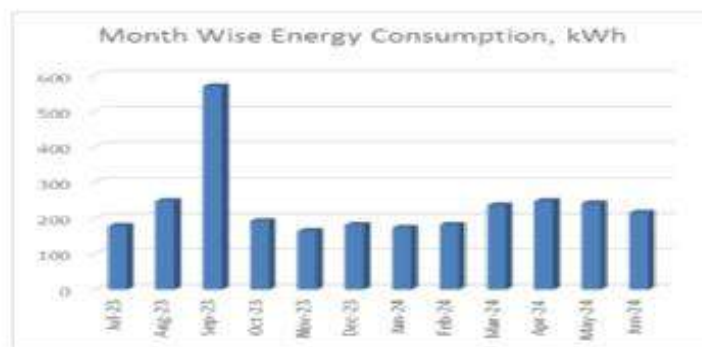


Figure 3.1: Month wise energy consumption

Monthly variation in electricity bill is as follows,

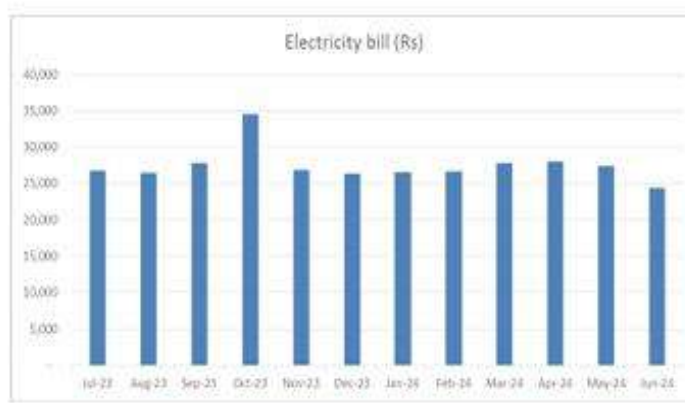


Figure 3.2: Month wise electricity bill

Key observations of electricity bill are as follows

Table no 3.2: Key observations

Sr no	Parameter	Energy consumed, (kWh)	CO2 Emission (MT)
1	Maximum	569	0.46
2	Minimum	164	0.13
3	Average	236	0.19
4	Total	2,829	2.26



4. Carbon Foot printing

1. A Carbon Foot print is defined as the Total Greenhouse Gas emissions (CO₂ emissions), emitted due to various activities. In this we compute the emissions of Carbon-Di-Oxide, by usage of the various form of Electrical Energy used by the College for performing its day to day activities

2. Basis for computation of CO₂ Emissions:

The basis of Calculation for CO₂ emissions due to Electrical Energy is as under

- 1 Unit (kWh) of Electrical Energy releases **0.8 Kg of CO₂** into atmosphere.

Based on the above Data we compute the CO₂ emissions which are being released in to the atmosphere by the College due to its Day to Day operations

We herewith furnish the details of various forms of Energy consumption as under

Table 4.1: Month wise Consumption of Electrical Energy & CO₂ Emissions

No	Month	Energy Consumed, kWh	CO ₂ Emissions, MT
1	Jun-24	216	0.17
2	May-24	242	0.19
3	Apr-24	248	0.20
4	Mar-24	236	0.19
5	Feb-24	181	0.14
6	Jan-24	173	0.14
7	Dec-23	181	0.14
8	Nov-23	164	0.13
9	Oct-23	193	0.15
10	Sep-23	569	0.46
11	Aug-23	248	0.20
12	Jul-23	178	0.14
	Total	2,829	2.26



In the following Chart we present the CO₂ emissions due to usage of Electrical Energy.

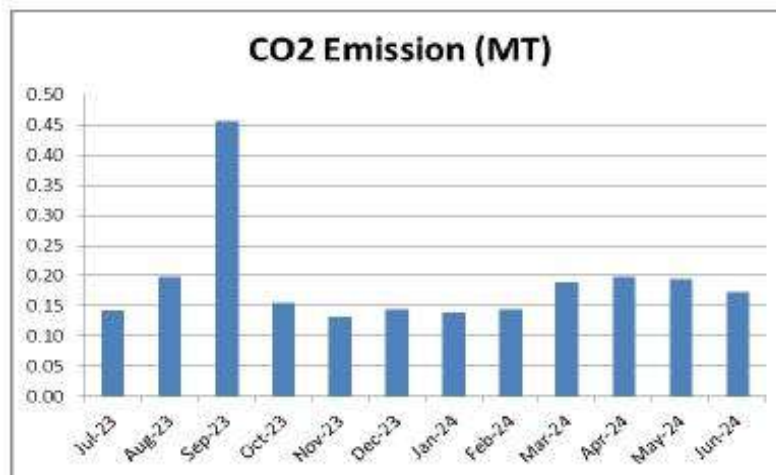


Figure 4.1: Month wise CO₂ Emission



5. Study of utilities

Study of Lighting

In the facility, the lighting system can be divided mainly in to parts, indoor lighting and outdoor lighting. There are 92 FTL fittings with Electronic/ magnetic chokes , 213 nos of CFLs, 358 nos of LED tubes, 600 nos of LED bulbs. It is recommended to install the 20 W LED Tube light fittings in place of these old T-8 fittings.

Air-conditioners

In the facility, there are about 46 Nos. of 1.5 Tr Air-conditioners.

Ceiling Fans

At building facility, there are about 411 Nos Old Ceiling Fans, which consumed about 65 W of Electrical Energy. It is recommended to replace these old Fans with BEE STAR Rated Ceiling Fans.

Water Pumps

There are in total Water pumps with 2HP and 21HP capacities respectively.



6. Study of usage of alternate energy

In this Chapter, we compute the percentage of Usage of Alternate/Renewable Energy to Annual Energy Requirement of the College. The College has installed Roof Top Solar PV System. The Installed Capacity of Solar PV Plant is **64 kWp**. The college has also installed 10,000 liters capacity Solar Thermal Hot Water system on hostel campus.

Table 6.1: Computation of % Usage of Alternate Energy to Annual Energy Requirement

No	Particulars	Value	Unit
1	Annual Energy Purchased from MSEDCL	2,829	kWh/Annum
2	Energy Generated by Roof Top Solar PV System	96000	kWh/Annum
3	Total Energy Requirement of College	98,829	kWh/Annum
4	% of Usage of Alternate Energy to Annual Energy Requirement	97	%

Photograph of Solar PV plant





7. Study of usage of LED lighting

In this chapter we study the lighting system of college and compute the percentage of total load catered by LED lighting.

Table 7.1: Total lighting load

No	Particulars	Qty	Load, W/Unit	Load, kW
1	F T L-40 W	92	40	3.7
2	CFL	213	24	5.1
	LED lighting load			
1	LED tube	358	20	7.2
2	LED bulbs	600	12	7.2
3	LED street lights	4	35	0.1
	Total LED lighting load			14.5
	Total Lighting load			23.3

It can be seen that out of total lighting load 62% load is LED lighting load.



8. Energy conservation proposals

Replacement of Old T-8 FTLs with 20 W LED fittings

In the facility, there are about 92 Nos, T-8, FTL fittings with Electronic/magnetic chokes. It is recommended to install the 20 W LED Tube light fittings in place of these old T-8 fittings. In the following Table, we present the savings, investment required & payback analysis.

No	Particulars	Value	Unit
1	Present Qty of T-8 fittings	92	Nos
2	Energy Demand of T-8 fitting	40	W/Unit
3	Energy Demand of 20 W LED fitting	20	W/Unit
4	Reduction in demand	20	W/Unit
5	Average Daily Usage period	4	Hrs/Day
6	Daily saving in Energy	7.36	kWh/Day
7	Annual Working Days	250	Nos
8	Annual Energy Saving possible	1840	kWh/Annum
9	Rate of Electrical Energy	11	Rs/kWh
10	Annual Monetary saving	20240	Rs/Annum
11	Cost of 20 W LED Tube	641	Rs/Unit
12	Investment required	58972	Rs lump sum
13	Simple Payback period	35	Months



Replacement of old fans with STAR Rated fans

During the Audit, it was observed that there are 411 no of fans. It is recommended to replace these old fans with STAR Rated fans.

In the following Table, we present the savings, investment required & payback analysis.

No	Particulars	Value	Unit
1	Present Qty of Old Ceiling Fan fittings	411	Nos
2	Energy Demand of Old Ceiling Fan fitting	65	W/Unit
3	Energy Demand of STAR Rated Fan	40	W/Unit
4	Reduction in demand	25	W/Unit
5	Average Daily Usage period	8	Hrs/Day
6	Daily saving in Energy	82.2	kWh/Day
7	Annual Working Days	250	Nos
8	Annual Energy Saving possible	20550	kWh/Annum
9	Rate of Electrical Energy	11	Rs/kWh
10	Annual Monetary saving	226050	Rs/Annum
11	Cost of STAR Rated Ceiling Fan	2174	Rs/unit
12	Investment required	893514	Rs lump sum
13	Simple Payback period	47	Months

Energy Audit Report - Science College, Congress Nagar, Nagpur

**Summary of Savings**

No	Recommendation	Annual Saving potential, kWh/Annun	Annual Monetary Gain, Rs.	Investment Required, Rs.	Payback period, Months
1	Replacement of 92 Nos T-8 fittings with 20W LED fittings	1,840	20,240	58,972	35
2	Replacement of 411 Nos Old Ceiling Fans with STAR rating fans	20,550	2,26,050	8,93,514	47
	Total	22,390	2,46,290	9,52,486	46

3) Certificate of Green and Environment Audit from auditing agency.

i) Green Audit Certificate

Nutan Urja Solutions

A 703, Balaji Witefield, Near Sunni's World,

Sus Road, Sus, Pune 411 021

Phone: 83568 18381. Email: nutanurja.solutions@gmail.com

Date: 11/06/2024

CERTIFICATE

This is to certify that we have conducted Green Audit at Shri Shivaji Education Society Amravati's Science College for the year 2023-24.

The College has already adopted **Green** practices like:

- Installation of Rain Water Harvesting system
- Installation of Bio composting pit
- Installation of 64 kW Roof Top Solar PV Power Plant.
- Installation of 1000 Liters Solar Thermal Hot Water System
- Usage of Energy Efficient LED
- Usage of Energy Efficient BEE STAR Rated equipment

We appreciate the support of Management, involvement of faculty members and students in the process of making the campus Green.

Nutan Urja Solutions,


K G Bhatwadekar,

Certified Energy Auditor,

EA - 22428



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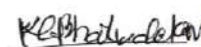
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Date: 13/08/2021

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This is to certify that we have conducted Green Audit at Shri Shivaji Education Society Amravati's Science College for the year 2020-21.

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Date: 24/08/2020

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This is to certify that we have conducted Green Audit at Shri Shivaji Education Society Amravati's Science College for the year 2019–20.

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Date: 14/08/2019

CERTIFICATE

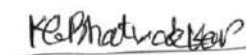
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EA - 22428



*ii) Environmental Audit Certificate***Nutan Urja Solutions**

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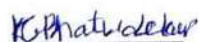
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The College has already adopted following projects for making the campus Environmental Friendly.

- Installation of Bio Composting Pit
- Installation of Rain Water Harvesting System
- Usage of Day Light in corridor
- Installation of 64 kW Roof Top Solar PV Power Plant

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

Nutan Urja Solutions,



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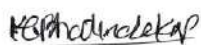
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K. G Bhatwadekar,
Certified Energy Auditor,
EA – 22428



4) Certificate of E-Waste Recycling

Certificate	E-waste
Date of E-waste Receipt	25/09/2024
Quantity	E-waste: 1200 Kg.
Location	Congress Nagar, Nagpur.



SURITEX PRIVATE LTD.
E-Waste Management Company

Certificate of E-Waste Recycling

This is to Certify that E-waste received for recycling from
SHRI SHIVAJI SCIENCE COLLEGE, NAGPUR
 Has been safely disposed at our registered facility in an environment friendly manner.

For Suritex Pvt. Ltd.


☒ E-waste Management
 ☒ Secured Data Destruction
 ☒ Lamp Recycling

Reg. No. MPCB/RO(HQ)/HSMD/Autho/2021/EW-28 Dtd.28/02/2026
 Website: www.suritex.co.in


Plant : B-111, MIDC Butibori, Nagpur
 Office : 5 & 6 Zal Complex , Residency Road , Sadar , Nagpur 440001
 Mobile no. : 9049981347 , 9960627347



Authorized Signatory


5) Certificates of the Award Received from Recognized Agency


Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE
Congress Nagar, Nagpur-440012



NAAC Reaccredited with 'A+ Grade' (CGPA 3.51)
 College with Potential for Excellence
 Recognized Centre for Higher Learning & Research
 Institutional Member of APQN
 A Mentor college under UGC Paramarsh Scheme
 An ISO 21001:2018 Certified Institution

***Certificates of the awards received
 from recognized agency***



i) Best Department Award (Microbiology Department)

ii) Career Katta





iii) Center of Excellence



iv) ISO Certificate

CERTIFICATE
♦
CERTIFICADO
♦
CERTИФИКАТ
♦
CERTIFICATE
♦
ZERTIFIKAT

CERTIFICATE

This is to Certify that the Management System of

SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S SCIENCE COLLEGE, CONGRESS NAGAR

DISTT. NAGPUR- 440012 MAHARASHTRA, INDIA.

has been found to conform to the Educational Organizations — Management System standard:

ISO 21001:2018

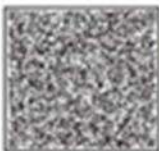
This certificate is valid for the following scope of operations:


PROVIDING EDUCATIONAL KNOWLEDGE AND TRAINING TO THE STUDENTS OF B.SC., BCA, M. SC., MCA, PH. D. WITH ALL BASIC INFRASTRUCTURES, ADVANCED AMENITIES, MOST MODERN FACILITIES, PROMOTING GREEN PROTOCOL AND ENVIRONMENT-FRIENDLY CAMPUS, PROMOTING SPORTS, YOGA, ARTS, AND ALL EXTRA-CURRICULAR ACTIVITIES ALONG WITH EXTRAORDINARY EDUCATION.

Certificate No.: IN56986S

Date of initial registration	Date of this Certificate	Surv. audit on or before / Certificate expiry	Recertification Due
27 April 2024	27 April 2024	26 April 2025	26 April 2027

This Certificate remains valid subject to satisfactory surveillance audits.





Director

For verification and updated information concerning the present certificate visit www.staunchlyservices.com/search_certified_client.php



This Certificate is the property of Staunchly Management & System Services Limited and shall be returned immediately when demanded

STAUNCHLY MANAGEMENT AND SYSTEM SERVICES LIMITED

International Office: Labrynth Business Centre, 43 Middle Hill Gate,
Stockport Great Manchester, England-SK1 3DG
Phone: +44-7404823687
(Company Registered in England with Company Number 11488683)

STAUNCHLY MANAGEMENT AND SYSTEM SERVICES PVT. LTD.

Corporate Office: 303, U-60, 3rd Floor Shakarpur, Delhi-110019, India
Phone: +91-6389519394
Web :- www.staunchlyservices.com
E-mail :- info@staunchlyservices.com

SMS/FM/001/REV07

6) Report on Clean and Green Campus Initiatives

i) Oxygen Park



Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE
Congress Nagar, Nagpur - 440012 (M.S.) India.
Accredited With CGPA Of 3.51 At 'A+' Grade.

Inauguration of
OXYGEN PARK
An Initiative by
DEPARTMENT OF BOTANY

Introducing the Oxygen Park at Shivaji Science College—a vibrant initiative aimed at planting over 1,000 Tulsi saplings. Launched under the "Ek Ped Bharat Ma Ke Naam" program, this project enhances air quality and fosters environmental responsibility among students. Join us in creating a greener, healthier campus!

Event Highlights:

- Goal: Planting over 1,000 Tulsi saplings to enhance green cover and improve air quality.
- Significance of Tulsi: Learn about the benefits of the Tulsi plant in oxygen production and pollution absorption.
- Engagement: Participate in a hands-on planting activity and connect with nature

Purpose of the Initiative:

The Oxygen Park Initiative is a vibrant step towards a greener future at Shivaji Science College. By planting over 1,000 Tulsi saplings, we aim to breathe new life into our campus, enhancing air quality and creating a sanctuary for biodiversity. This initiative inspires students and the community to embrace environmental stewardship, fostering a deeper connection with nature. Together, we're not just planting trees; we're sowing seeds of awareness and responsibility for a sustainable tomorrow!

Why Participate?

- Contribute to environmental sustainability.
- Foster a sense of responsibility towards our planet.
- Connect with like-minded individuals passionate about nature.

Event Details:
15TH AUGUST
INDEPENDENCE DAY OF INDIA

Submit/Donate your Tulsi plants by 14th of August
You are encouraged to decorate your pot with tricolor themes.
Venue : Department of Botany

Report on "Oxygen Park Initiative"

Date: August 15, 2024

Location: Shivaji Science College, Nagpur

Organizer: Botany Department

Coordinators: Dr. Mrs. R.S. Sonwalkar and Mr. P.R. Sharma

On the occasion of Independence Day, the Botany Department of Shivaji Science College Nagpur inaugurated the "Oxygen Park" as part of its commitment to environmental sustainability. This initiative, launched during the "Ek Ped Bharat Ma Ke Naam" program, focuses on enhancing the campus's green cover through the planting of Tulsi saplings.

The inauguration ceremony was presided over by Hon'ble Principal Dr. O.S. Deshmukh, who commended the faculty and students for their ambitious goal of planting over 1,000 Tulsi saplings. Coordinators Dr. Mrs. R.S. Sonwalkar and Mr. P.R. Sharma played pivotal roles in organizing the initiative, which witnessed enthusiastic participation from students and volunteers.

During the event, Dr. Reshma Sonwalkar explained the significance of the Tulsi plant in improving air quality, emphasizing its role in oxygen production and pollution absorption. Dr. Punita Tiwari, Head of the Botany Department, expressed her pride in the initiative, stating, "The Oxygen Park is not just a project; it's a step towards fostering environmental consciousness among our students. By engaging with nature, we cultivate a sense of responsibility towards our planet." Faculty members Dr. S.R. Pande, Dr. R.Y. Deshmukh, Dr. Yogita, and Dr. Reshal also praised the project and encouraged the college community to adopt sustainable practices. Faculty members Dr. R. H. Mahakhode, Dr. S.S. Deshmukh, Ms. Shruti Agrawal, Mr. Swapnil Fuse, and Ms. Aishwarya Zure also contributed to the event's success.

Outcomes:

Establishment of the Oxygen Park as a dedicated space for cultivating Tulsi plants, significantly enhancing the campus's biodiversity. Increased student engagement in sustainability efforts and environmental responsibility. Positive feedback from faculty and students regarding the initiative's impact on the campus environment.

Actions Taken:

Regular workshops are planned to educate participants about the benefits of Tulsi plants and effective composting techniques. A maintenance plan has been developed to ensure the health and growth of the Tulsi saplings in the Oxygen Park. Initiatives for periodic assessments of the park's ecological impact on the campus are underway. The Oxygen Park initiative not only symbolizes a commitment to a greener future but also underscores the collective responsibility of citizens towards environmental stewardship. This project is expected to inspire similar endeavours across other departments and institutions, promoting a culture of sustainability within the college community.





Principal sir inaugurating 'Oxygen Park'

नवभारत

कैम्पस/CAMPUS 9226576372

छात्रों ने लगाए तुलसी के पौधे



■ वाडपूर, महानगर सोसाइटीस: शिवाजी साइंस कॉलेज के वनस्पति विभाग विभाग द्वारा 'एक पेड़ पालन से नया' के अंतर्गत विभाग कार्यक्रम अंतर्गत विभाग द्वारा आयोजित डॉ. ओ.एस. देवगुड ने पर्यावरणीय संतुलन बनाए रखने में पौधों के महत्व पर जोर दिया। विभाग प्रमुख डॉ. पुष्पा शिवाजी, संकाय शिक्षक सदस्य, कर्मचारी और छात्र-छात्राई इस दौरान 2000 से अधिक तुलसी के पौधे लगाने के कार्य को सफल की। विभाग की संकाय सदस्य डॉ. राजा सोनवकर और प्रमुख सचिव ने महानगर सोसाइटीस

विभाग डॉ. अरुण महादेव, डॉ. सुमन देवगुड, सुनि अग्रवाल, लक्ष्मी कुमारी और देवगुड जी का मार्गदर्शन किया। डॉ. पुष्पा शिवाजी ने पर्यावरणीय विभाग को बढ़ावा देने के लिए विभाग के निवास इलाके पर सर्वेक्षण किया। इस अवसर पर कर्मियों के बीच कार्य में भी कंसेंट स्टेशन का शुभारंभ किया। कार्य को सफलतापूर्वक डॉ. राजा सोनवकर ने कोऑर्डेट की अध्यक्षता में कर रहे थे। डॉ. राजा सोनवकर, डॉ. अरुण देवगुड, डॉ. हनुमंत, डॉ. शैलेश और डॉ. राजा, शिवाजी ने इस कार्यक्रम को सफल की।

पौधारोपण अभियान

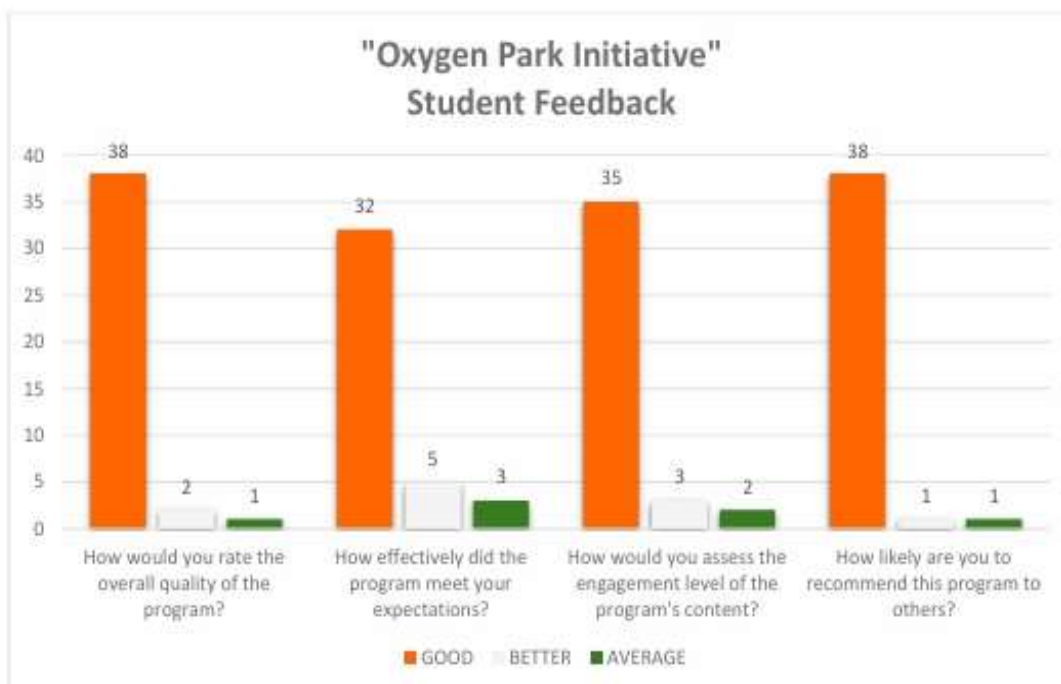
शिवाजी साइंस कॉलेज



शिवाजी साइंस कॉलेज, वाडपूर के वास्तुविभाग विभाग की पहल देखभाल और पर्यावरण चेतना को बढ़ाते हुए 'एक पेड़ मरत न के बजाय' कार्यक्रम का आयोजन किया। प्रचार्य डॉ. ओ.एस. देवगुड ने सभी को संबोधित किया और पर्यावरणीय संतुलन बनाए रखने में पौधों के महत्व पर जोर दिया। उन्होंने विभाग प्रमुख डॉ. पुष्पा शिवाजी, संकाय शिक्षक सदस्य, कर्मचारी और छात्र, छात्राई द्वारा परिसर में 2000 से अधिक तुलसी के पौधे लगाने के लक्ष्य की सहभागी की। कार्यक्रम के आयोजन में विभाग के संकाय सदस्य डॉ. राजा सोनवकर और प्रमुख सचिव ने महानगर सोसाइटीस विभाग डॉ. अरुण देवगुड, डॉ. सुमन देवगुड, सुनि अग्रवाल, लक्ष्मी कुमारी और सुनी ऐश्वर्या जुरे का सहयोग किया। इस अवसर पर कॉलेज के बीच कार्य में भी कंसेंट स्टेशन का शुभारंभ किया।

Feedback Questions

- 1) How would you rate the overall quality of the program? {Good / Better / Average}
- 2) How effectively did the program meet your expectations? {Good / Better / Average}
- 3) How would you assess the engagement level of the program's content? {Good / Better / Average}
- 4) How likely are you to recommend this program to others? {Good / Better / Average}



HEAD
Prof. P. S. Tiwari

HEAD
DEPARTMENT OF BOTANY
SHRI SHIVAJI EDUCATION SOCIETY
AMRAVATI'S SCIENCE COLLEGE
CONGRESS NAGAR, NAGPUR

ii) Vrukshdan

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE

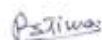
Congress Nagar Nagpur

Report of "Vrukshdan" Donation of Plants

On 23rd July 2024, the Department of Botany, Science College, organized a plant donation program convener of Dr. Sharayu Deshmukh. The event, held on the occasion of Guru Purnima, aimed to promote environmental sustainability by donating saplings to various institutions across the city. The program saw active participation from colleges, schools, government offices, the police headquarters, and hospitals. Saplings, including fruit-bearing, flowering, and ornamental plants, were sourced from local nurseries and the college's botanical garden. Volunteers from the Botany department facilitated the distribution and planting of over 500 saplings. The event commenced with an inauguration ceremony at Science College, followed by the distribution of plants first plant donate to our Hon'ble Principal Dr.O.S.Deshmukh sir ,he gave good remark about this activity . Participants included students, faculty, staff members, and local community representatives. Planting instructions and care guidelines were provided to ensure the saplings' growth and survival. The initiative received positive feedback, highlighting the community's commitment to environmental conservation. Plans are in place to monitor the saplings' progress and to organize similar events annually. The program successfully fostered a sense of environmental responsibility and community engagement. Head Department of Botany Prof. Punita Tiwari madam gave noteworthy remark for this evnt and congratulated to entire team of botany department staff.



Convener
 Dr. Mrs. Sharayu S. Deshmukh



Prof. & Head
 Dr. P. S. Tiwari



Principal
 Dr. Omraj S. Deshmukh





वरुड दर्पण

नागपूरच्या विज्ञान महाविद्यालयाच्या वनस्पतीशास्त्र विभागात

पर्यावरण संवर्धनाचा संदेश देत विशेष वृक्षदान मोहीम



■ (प्रतिनिधी वरुड दर्पण)

नागपूर - गुरुवारीच्या म्हणजेच गुरुशिष्य परंपरेचा सण आणि या दिवशी ज्ञान, शिक्षण आणि गुरुंच्या महत्वाचा उल्लेख साजरा केला जातो. या पार्श्वभूमीवर नागपूरच्या विज्ञान महाविद्यालयाच्या वनस्पतीशास्त्र विभागाच्या वतीने पर्यावरण संवर्धनाचा संदेश देण्यासाठी विशेष वृक्षदान मोहीम कार्यक्रम आयोजित करण्यात आला होता.



वेगवेगळ्या शाखा महाविद्यालय, सरकारी कार्यालय, पोलिस मुख्यालय, कृष्णलयांमध्ये वृक्ष दान करण्यात आले तसेच त्यासोबत उपस्थितांना वृक्षांची महत्त्व आणि त्यांचा पर्यावरणीय फायद्याबद्दल माहिती दिली. तसेच त्यांनी वृक्षारोपणामुळे पर्यावरण सुधारण्याच्या दिशेने

केलेल्या या प्रयत्नांचे महत्त्व अधोरेखित केले. यावेळी १०० पेक्षा जास्त रोपांची वाटप करण्यात आली, ज्यात स्थानिक निविध प्रकरणाच्या झाडांच्या सगवेषा होता. विशेष म्हणजे वृक्ष या त्यांचा सुखाय, साक्षी व त्याचा उपयोग व त्यांचे योग्य स्थान हे पटवून सांगितले व या मोहिमेत सहभागी

कार्यक्रमात सहभागी झालेल्या सर्वांनी या वृक्षांची निगा राखण्यासाठी आणि त्यांच्या वाढीसाठी योग्य उपाययोजना करण्याचे आश्वासन दिले. महाविद्यालयाचे प्राचार्य डॉ.ओमराज देसमुख यांनी गुरुवारीच्या म्हणजेच गुरुशिष्य परंपरेच्या प्रतीकात्मक दिवशी

दृष्टीकोनातून आपला योगदान देणे, हा आपला उद्देश आहे. वृक्षारोपणामुळे आपण आपल्या पुढच्या पिढी करिता एक हित्त्वे भविष्य निर्माण करू शकतो. या कार्यक्रमातून पर्यावरण जाचण्याची सामाजिक जबाबदारी आणि गुरुशिष्य परंपरेची एकता एकत्र यायला हवी, अशीच समाजसेवेची पद्धत इतरांनीही अवलंबली, असे मत प्राचार्य यांनी व्यक्त केले. या कार्यक्रमात विभागप्रमुख डॉ.पुनित तिवारी यांचे योग्य मार्गदर्शन लाभले तसेच संयोजिका डॉ.शरयू देशमुख, डॉ.रुपाली महाखोडे, डॉ.रेशमा सोनवलकर व प्रा.पिपूत शर्मा यांचे सहकार्य लाभले.

Action Taken Report

"Donate A Plant" Program on the Occasion of Guru Purnima

Date: Tuesday, 23rd July 2024

Organized by: Department of Botany, Science College

1. Event Planning and Coordination

- **Objective:** To promote environmental conservation and greenery by encouraging the donation and planting of saplings in various offices, colleges, schools, and the police headquarters.
- **Planning Committee:** A committee of faculty members and student volunteers from the Department of Botany was formed to plan and execute the event.

2. Promotion and Invitations

- **Promotional Material:** Posters, flyers, and social media posts were created to promote the event. These materials were shared widely across social media platforms, college websites, and through emails.
- **Invitations:** Invitations were sent to various offices, colleges, schools, and the police headquarters, inviting them to participate in the plant donation program.

3. Preparation and Distribution

- **Saplings:** A variety of saplings, including fruit-bearing, flowering, and ornamental plants, were sourced from local nurseries and the college's botanical garden.
- **Distribution:** Saplings were distributed to participating institutions along with planting instructions and care guidelines.

4. Event Day Activities

- **Inauguration:** The event was inaugurated by the Principal of Science College, followed by a brief speech on the importance of plant donation and environmental conservation.
- **Plant Donation:** Saplings were donated to various offices, colleges, schools, and the police headquarters.
 - **Offices:** Local government offices, private corporate offices
 - **Colleges:** Various colleges affiliated with the university
 - **Schools:** Local primary and secondary schools
 - **Police Headquarters:** Central police headquarters and local police stations

5. Participation and Engagement

- **Volunteers:** Faculty members and student volunteers assisted in the distribution and planting of saplings at various locations.
- **Participants:** Staff, students, and local community members participated in the planting activities.

6. Feedback and Acknowledgments

- **Feedback Form:** A feedback form was circulated among participants to gather their views on the event and suggestions for future programs.
- **Acknowledgments:** The organizing committee expressed gratitude to all participants, volunteers, and partnering institutions for their support and participation.

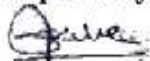
7. Follow-up Actions

- **Maintenance:** Instructions on the care and maintenance of the saplings were provided to all recipients to ensure the plants' growth and survival.
- **Monitoring:** Regular follow-ups were planned to monitor the growth and health of the planted saplings.
- **Future Programs:** Plans were made to organize similar plant donation programs annually to promote ongoing environmental conservation efforts.

Conclusion

The "Donate A Plant" program organized on the occasion of Guru Purnima was a successful initiative that fostered environmental awareness and community participation. The Department of Botany looks forward to continuing its efforts in promoting greenery and sustainability through similar events in the future.

Prepared by:

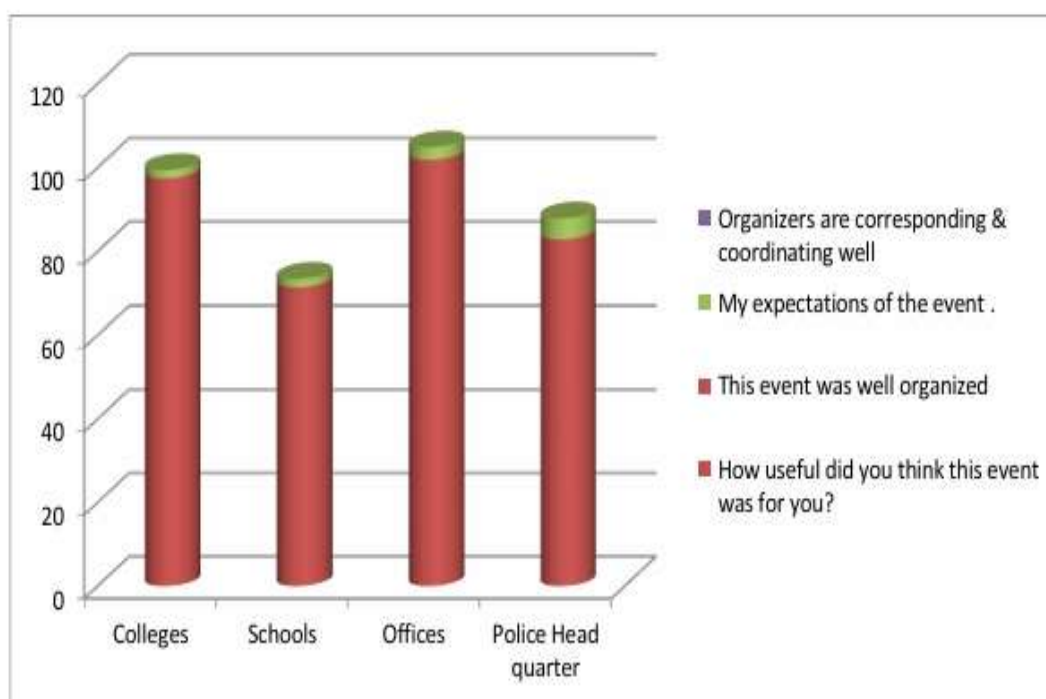


Dr. Mrs. Sharayu S. Deshmukh
Convener

Department of Botany
Science College,
Congress Nagar, Nagpur
27/07/2024

Feedback Form: "Donate A Plant" Program on the Occasion of Guru Purnima

Sr. No.	Question	Responses			
		Colleges	Schools	Offices	Police Head Quarter
1.	How useful did you think this event was for you?	√	√	√	√
2.	This event was well organized	√	√	√	√
3.	My expectations of the event .	√	√	√	√
4.	Organizers are corresponding & coordinating well	√	√	√	√



Convener
Dr. Mrs. Sharayu S. Deshmukh

Prof. & Head
Dr. P. S. Tiwari

Principal
Dr. Omraj S. Deshmukh

iii) E-vehicle

Shri Shivaji Education Society Amravati's

Science College

Congress Nagar, Nagpur

Notice

Date:28/08/2024

We are pleased to announce a special initiative aimed at empowering our girl students with sustainable transportation options. As part of our commitment to promoting eco friendly practices, Central Bank is offering an exclusive opportunity for all girl students to purchase electric vehicles (E- Vehicle) at discounted rates. All Girl students are informed to visit e-vehicle camp arranged on dated 31st August 2024, Saturday from 10:30 AM in the college campus.

We encourage all interested students to take advantage of this opportunity. Let's Join hands in making our campus a greener place.


**Cent E-Vehicle
Girl Students**



Maximum Loan AMT:- 2.50
lakhs

Margine:-Min 10%

Repayment:-72 Months

Rate of Interest:- 9.95%



Eligibility:-

Girl students above 18 and upto 28 age as primary borrower

Electric vehicle (2w) to be purchased should be in the name Girl student.

Girl student should hold a Driving licence or Learner licence of 2-Wheeler

Co-borrower:-

Earning Parent / Earning spouse

Maximum age upto 55 year and 60 year for individual



Aspeshmutik
Principal
S. S. E. S. Amravati's
Science College, Nagpur.

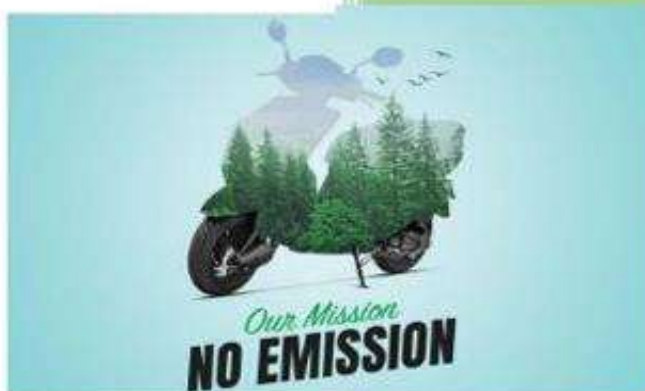
Shri Shivaji Education Society Amravati's



Science College, Nagpur

In Collaboration with Environmental Studies and Green Club

We are pleased to announce a special initiative aimed at empowering our girl students with sustainable transportation options. We are encouraging all interested students to take advantage of this opportunity



Venue - Shri Shivaji Science College, Nagpur, Ground

Date 31st August 2024

Time 10.30. am

Report on E vehicle Camp

In recent years, the push towards sustainable transportation has gained momentum, and electric vehicles (EVs) have become a focal point of this movement. To foster interest and engagement among young students, especially girls, a specialized E-Vehicle camp was organized in collaboration with the Central Bank of India (DNC Branch, Nagpur) Environmental Studies and Green Club. This camp aimed to introduce female students to the world of electric vehicles, provide hands-on experience, and the loan scheme for the girl students offer by the Central Bank of India.

The programme was initiated in presence of Principal Dr. O. S. Deshmukh, Branch Manager Mr. Mohan Pise and other Bank members, Convener of program Dr. P. B. Zamarkar, Green club coordinator Dr. Reshma Sonwalkar, Prof. Yogita Meshram and other teaching and non-teaching staff.

Principal Dr. O.S. Deshmukh has given the detail information about the program and importance of E vehicle and the main moto of this program. Mr. Mohan Pise also informed the students about the scheme running in the Central bank of India and the documentation required for this scheme for girl student all the necessary steps required to make their loan successful.

Students actively participated in the program and girls as well as boys clear their doubts regarding the scheme.

Objectives of the Camp

1. **Education:** To educate students about the technology behind electric vehicles, including their environmental benefits, mechanics, and innovations.
2. **Inspiration:** To encourage girls to use E vehicle for pollution free environment.
3. **Hands-On Experience:** To provide practical experience with electric vehicles through interactive sessions.
4. **Networking:** To connect students with the Branch Manager, Central Bank of India.

Action Taken

The E-Vehicle Camp for girl students successfully achieved its goals of education, inspiration, and hands-on learning. By fostering interest in electric vehicles and STEM careers, the camp has taken a significant step towards empowering young women and contributing to the future of sustainable transportation. With continued support and improvement, similar initiatives can have an even greater impact in encouraging and developing the next generation of innovators and leaders in the field of electric vehicles.







Attendance Sheet

31/2/2024

E-Vehicle Comp

Name of Student	M/F	Signature
Niharika Gown	F	<u>Niharika</u>
Aditya Kohad	M	<u>Aditya</u>
Abhishek Patil	M	<u>Abhishek</u>
Shrungi Poreddiwar	F	<u>Shrungi</u>
Sayali Ukey	F	<u>Sayali</u>
Nandini Rontche	F	<u>Nandini</u>
Vandha Khatarkar	F	<u>Vandha</u>
Rohini Mondhe	F	<u>R.R. Mondhe</u>
Yashashree Bagde	F	<u>Yashashree</u>
Shatakshi Nilmar	F	<u>Shatakshi</u>
Vaishnavi W. Nikose	F	<u>Vaishnavi</u>
Angan A. Pillase	M	<u>Angan</u>
Ananya R. Solankhe	F	<u>Ananya</u>
Aarvesha Jadhav	F	<u>Aarvesha</u>
Kumudochi Pawane	F	<u>Kumudochi</u>
Kshiti Gupta	M	<u>Kshiti</u>
Aarhi Baghele	F	<u>Aarhi</u>
Nandini Choudhary	F	<u>Nandini</u>
Sumati Kall	F	<u>Sumati</u>
Shravya Pawar	F	<u>Shravya</u>
Kunali Shinde	F	<u>Kunali</u>
Saloni Nandanwar	F	<u>Saloni</u>
Himanshi Menax	F	<u>Himanshi</u>

Sayali C. Kamble	F	<u>Sayali</u>
Vidya M. Uike	F	<u>Vidya</u>
Preshit R. Wadhwa	M	<u>Preshit</u>
Ram. A. Nemode	M	<u>Ram</u>
Anga. V. Kundarpekar	F	<u>Anga</u>
Aditya R. Dhadale	M	<u>Aditya</u>
Jatin S. Khare	M	<u>Jatin</u>
Pranali Pillare	F	<u>Pranali</u>
Anushka Adibhan	F	<u>Anushka</u>
Yusuf Mangam	F	<u>Yusuf</u>
Anjali Yadav	F	<u>Anjali</u>
Kalyani Sotani	F	<u>Kalyani</u>
Mona Zatale	F	<u>Mona</u>
Himani Maske	F	<u>Himani</u>
Ankita Turgar	F	<u>Ankita</u>
Kashish Shende	F	<u>Kashish</u>
Rhusha Patil	F	<u>Rhusha</u>
Shreaddha Bagde	F	<u>Shreaddha</u>
Aakansha Dhatwale Durale	F	<u>Aakansha</u>
Martik G. Doye	M	<u>Martik</u>
Achal R. Kongale	(F)	<u>Achal</u>
Blush Mahile	(F)	<u>Blush</u>
Archana Bhatkar	(F)	<u>Archana</u>
Ashen Manwar	(M)	<u>Ashen</u>
Kesvi Des	(F)	<u>Kesvi</u>
Shreshthi Walke	(F)	<u>Shreshthi</u>
Anjali Gupta	(F)	<u>Anjali</u>

Sparshika Mager	<u>Sparshika</u>	F
Lavanya Chakole	<u>Lavanya</u>	F
Ananya Khatragade	<u>Ananya</u>	F
Sanitika K. Sahare	<u>Sanitika</u>	F
Sayali Narasawase	<u>Sayali</u>	F
Tejaswini Ganhe	<u>Tejaswini</u>	F
Sheetal Singh	<u>Sheetal</u>	F
Kashish Singh	<u>Kashish</u>	F

**Shri Shivaji Education Society Amravati's Science College,
Congress Nagar Nagpur**

NATIONAL SERVICE SCHEME (NSS)

E vehicle Camp Feedback Form

Name of Volunteer.....
.....

Please rate the following aspects of the program on a scale from 1 to 4, with 1 being "Poor" and 4 being "Excellent"

Q.1 Relevance of the event

1

2

3

4

Q.2 Clarity of Instructions

1

2

3

4

Q.3 Engagement of CBI Manager

1

2

3

4

Q.4 Interaction and Participation

1

2

3

4

Q.5 Benefits of Program

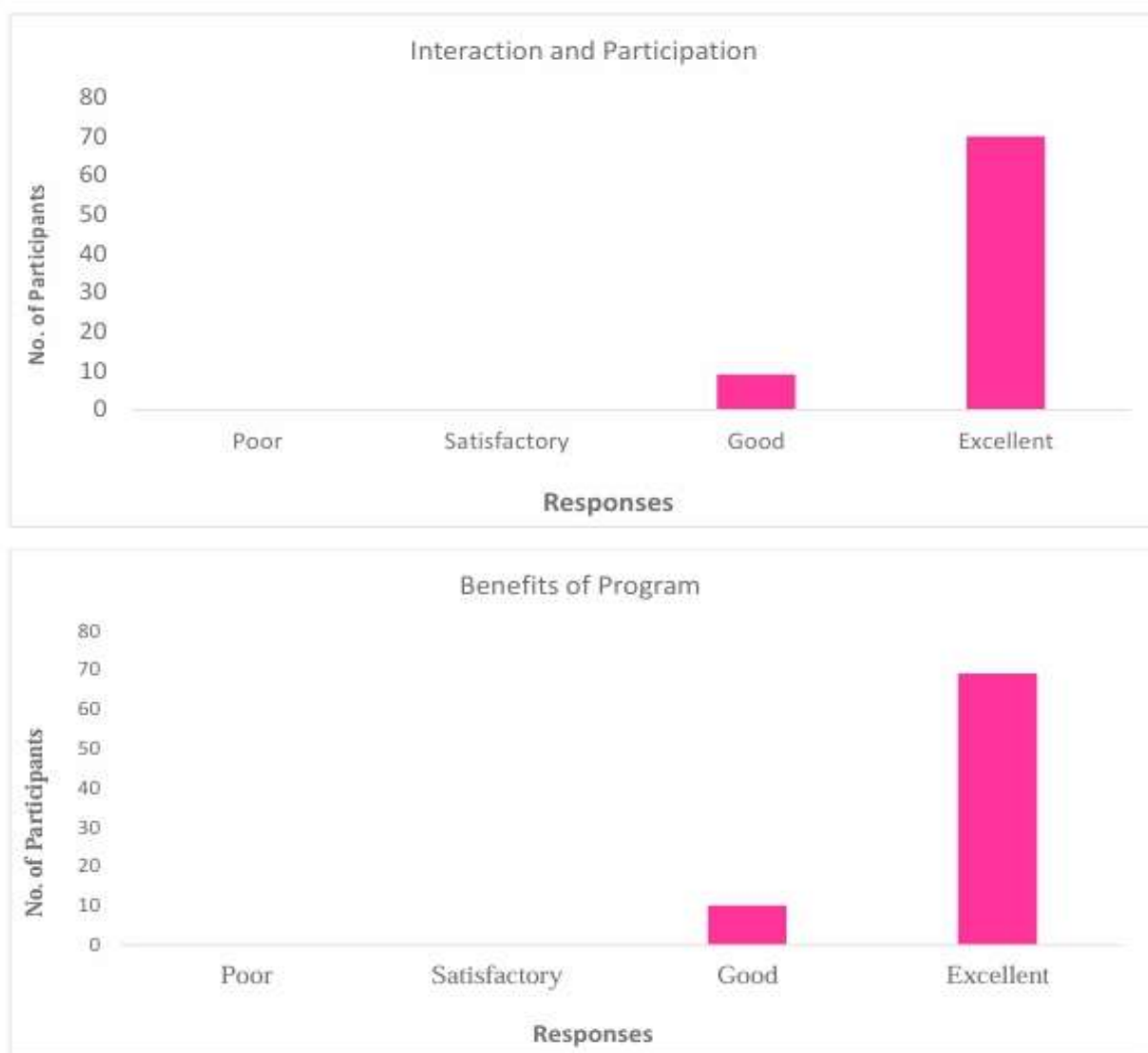
1

2

3

4





iv) No Vehicle Day

Shri Shivaji Education Society Amravati's
Science College
 Congress Nagar, Nagpur

Notice**No Vehicle Day**

In accordance with the "Green Policy" of the college and an effort to reduce traffic congestion and promote environment sustainability is organizing a No Vehicle Day on Saturday. We encourage all residents and visitors to participate by leaving their cars at home and opting for eco friendly modes of transportation such as walking, cycling, or transport. To reduce the stress and pollution the upcoming points are to be followed.

Alternative Transportation Options: Use of alternative transportation modes such as walking, cycling, carpooling, and public transport routes. Encourage residents to plan their journeys accordingly.

Promotional Campaign: Launch a promotional campaign highlighting the environmental benefits and community impact of participating in No Vehicle Day. Use social media, newsletters, and community meetings to raise awareness.

Community Support: Encourage students to support the initiative by organizing walking or cycling groups, community events, or competitions related to sustainable transportation.



Dr. Preshmukh

Signature of Principal
 Principal
 S. S. E. S. Amravati's
 Science College, Nagpur.

Report

On every Saturday, our organization participated in the No Vehicle Day initiative for all the students, teaching and non-teaching staff members, aimed at reducing carbon emissions and promoting sustainable transportation and positive impact on the environment. During the green initiative, we observed a significant reduction in air pollution, with decrease in carbon monoxide emissions. Additionally, we collected tons of recyclable materials. The goal was to evaluate the effects of reduced air pollution on respiratory health.

which were properly disposed of.

Action Taken

The No Vehicle Day initiative is having a resounding success till now, demonstrating the power of collective action in promoting environmental sustainability. We urge everyone to participate in future events and make a conscious effort to reduce their carbon footprint. The No Vehicle Day initiative demonstrated significant benefits for public health, particularly for individuals with respiratory conditions. We recommend implementing more frequent events to improve air quality and promote public health.

These reports highlight the various aspects of the No Vehicle Day initiative, including environmental impact, traffic management, economic impact, and public health.



v) Ek Ped Bharat Ma ke Naam

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE
Congress Nagar, Nagpur - 440012 (M.S.) India,
Accredited With CGPA Of 3.51 At 'A+' Grade.

"एक पेड़ भारत माँ के नाम"
An Initiative by
DEPARTMENT OF BOTANY

In honor of our nation's Independence Day, we are excited to launch the "Ek Ped Bharat Maa Ke Naam" program at Shri Shivaji Science College. This initiative is a call for environmental conservation by encouraging individuals to plant trees as a tribute to their heritage.

How to Participate:

- Bring a Plant: Students are encouraged to bring a plant to the campus. The plant can be of any variety suitable for local conditions.
- Tricolor Touch: Adorn the plant's pot with tricolor stickers to signify our national pride and the spirit of Independence Day.
- Planting Ceremony: Participate in the collective planting ceremony, where each plant will be dedicated as a tribute to our nation.

Purpose of the Initiative:

- Promote Environmental Stewardship: Engage in a meaningful activity that contributes to the environment and enhances campus greenery.
- Celebrate National Pride: Integrate patriotic fervor with environmental consciousness by linking tree planting with our nation's independence.
- Create a Green Legacy: Contribute to a sustainable future by adding to the green cover of our campus.

Join Us in Making a Difference
Let's come together to celebrate our freedom by planting trees that will grow and flourish as a symbol of our commitment to preserving our environment for future generations. Your participation not only honors our nation but also supports a greener, healthier planet.

Event Details:
15TH AUGUST
INDEPENDENCE DAY OF INDIA

Submit/Donate your plants by 14th of August
You are encouraged to decorate your pot with tricolor themes.
Venue : Department of Botany

Report on "Ek Ped Bharat Ma Ke Naam"

Date: August 15, 2024

Location: Shivaji Science College, Nagpur

Organized by: Botany Department

In a commendable initiative promoting patriotism and environmental awareness, the Botany Department of Shivaji Science College Nagpur celebrated Independence Day with the program titled "Ek Ped Bharat Ma Ke Naam." This event serves as a call for environmental conservation, encouraging individuals to plant trees as a tribute to their heritage.

The program commenced with the hoisting of the National Flag, followed by the singing of the national anthem, fostering a profound sense of patriotism among attendees. Hon'ble Principal Dr. O.S. Deshmukh addressed the gathering, emphasizing the importance of plants in maintaining ecological balance. He remarked that planting a sapling is both an act of environmental stewardship and a tribute to the motherland.

To participate, students were encouraged to bring a plant to the campus, selecting varieties suitable for local conditions. Participants adorned their plant pots with tricolor stickers, symbolizing national pride and the spirit of Independence Day. The event featured a collective planting ceremony, where each plant was dedicated as a tribute to our nation.

Dr. Punita Tiwari, Head of the Botany Department, expressed pride in the department's efforts to promote environmental sustainability. She highlighted the significance of tree planting for a greener future and emphasized the collective responsibility we share towards our environment. Faculty members Dr. R. H. Mahakhode, Dr. S.S. Deshmukh, Dr. Reshma Sonwalkar, Mr. P.R. Sharma, Ms. Shruti Agrawal, Mr. Swapnil Fuse, and Ms. Aishwarya Zure also contributed to the event's success.

Outcomes:

Increased awareness among students and faculty about the importance of tree planting and environmental stewardship. Strengthened community spirit and involvement in sustainability initiatives. Successful participation in the planting ceremony, with numerous plants brought by students.



Principal sir inaugurating 'Ek Ped Bhart Maa Ke Naam'



Principal sir along with other faculty members and students of Botany Department

तरुण भारत

Apla Nagpur | 2024-08-21 | Page- 5
epaper.tarunbharat.net

शिवाजी महाविद्यालयात एक वृक्ष उपक्रमाचे आयोजन

◆ नागपूर, २० ऑगस्ट

स्वातंत्र्यदिनानिमित्त शिवाजी विज्ञान महाविद्यालयात 'भारत मातेच्या नावाने एक वृक्ष' या विशेष उपक्रमाचे आयोजन करण्यात आले. वृक्षारोपणाच्या महत्त्वबद्दल जागरूकता वाढवण्याच्या उद्देशाने महाविद्यालयाच्या वनस्पतिशास्त्र विभागाने पुढाकार घेतला. कार्यक्रमाची सुरुवात राष्ट्रध्वज फडकावून आणि राष्ट्रगीत गापाने झाली.

याप्रसंगी प्राचार्य डॉ. ओ. एस. देशमुख, डॉ. पुनीता तिवारी, रेश्मा सोनवलकर, पीपूष शर्मा, आर. एच. महाखोडे, एस. एस. देशमुख, श्रुती



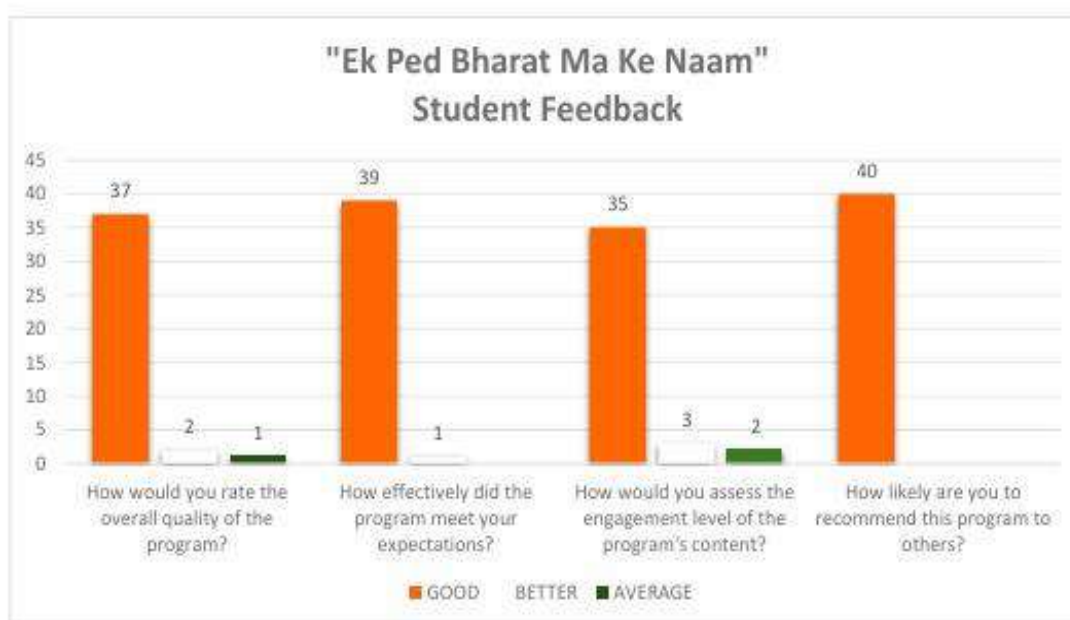
अग्रवाल, स्वप्नील फुसे, ऐश्वर्या जुरे आदींची उपस्थिती होती. प्राचार्य देशमुख यांनी उपस्थितांना मार्गदर्शन करताना पर्यावरणाचा समतोल राखण्यासाठी वनस्पतींचे महत्त्व विशद केले. तसेच ऑक्सिजन पार्कचे उद्घाटन केले. 'वन ट्री इन द नेम ऑफ मदर इंडिया' या उपक्रमांतर्गत हरित आणि निरोगी भारताच्या दिशेने छोटेसे पाऊल टाकले आहे. यावेळी ग्रीन क्लबने कंपोस्ट स्टेशनचे लोकार्पण केले. यावेळी डॉ. एस. आर. पांडे, आर. वाय. देशमुख, डॉ. हलधर, डॉ. योगिता, डॉ. रेशल, प्रियदर्शनी यांनी उपक्रमाचे स्वागत केले. ◀(तभा वृत्तसेवा)

Actions Taken:

A dedicated team of students and faculty members organized and executed the event. Follow-up sessions are planned to educate participants about tree care and sustainability practices. Collaboration with local environmental organizations has been established to foster ongoing environmental initiatives.

Feedback Questions

- 1) How would you rate the overall quality of the program? {Good / Better / Average}
- 2) How effectively did the program meet your expectations? {Good / Better / Average}
- 3) How would you assess the engagement level of the program's content? {Good / Better / Average}
- 4) How likely are you to recommend this program to others? {Good / Better / Average}



P. S. Tiwari

HEAD
Prof. P. S. Tiwari

HEAD
DEPARTMENT OF BOTANY
SHRI SHIVAJI EDUCATION SOCIETY
AMRAVATI'S SCIENCE COLLEGE
CONGRESS NAGAR, NAGPUR

vi) Cleanliness Drive

Celebration of Bhausaheb Deshmukh 125th Jayanti at Shri Shivaji Science College by cleanliness campaign and tree plantation, Nagpur by N.S.S Unit

Date: - 23th December 2023

Dr.Panjabrao Alias Bhausaheb Deshmukh (27 December 1898 – 10 April 1965), was a social activist and a leader to farmers in India. He was the Minister of Agriculture in the first cabinet of Jawaharlal Nehru in 1952. In 1931 he established Shivaji Education Society at Amravati. This education society grew to become the second largest in Maharashtra. This society operates 24-degree colleges, 54 intermediate colleges, 75 high schools, and 35 hostels. An agricultural university bearing his name operates at Akola, i.e. Panjabrao Deshmukh Krishi Vidyapeeth. He strengthened the foundation of education throughout Maharashtra.

On 23th December 2023, N.S.S. Unit of Shri Shivaji Science College, has done campus cleaning program (sawacch Bharat Abhiyan) with Tree Plantation was organized at college. Our Hon'ble Chief Guest, Principal Prof. M.P. Dhore , garlanded and paid homage to the great leader Dr. Panajbrao Alias Bhausaheb Deshmukh.

N.S.S. Coordinator Prof.P.S.Utale, Prof.B.T Khumbhare Dr. S.V. Khangar, Dr.S.R Gedam, Dr.R.P Sonwalkar Teachers and staff member's students were Present.

Every teacher and staff members had taken part in cleaning the college campus accompanied by students.

Tree plantation is very necessary because trees provide oxygen to the environment and make the air quality better. If more trees are planted, then the world's environment will become a safer place to live in. Tree plantation also reduces pollution, thus making the life of future generations secure.

[Prof. P. S. Utale]

N.S.S Program Officer





N.S.S Unit Celebrated Birth Anniversary of Mahatma Gandhi and Lal Bahadur Shastri and Organize Campus Cleaning Under Swachha Bharat Abhiyaan

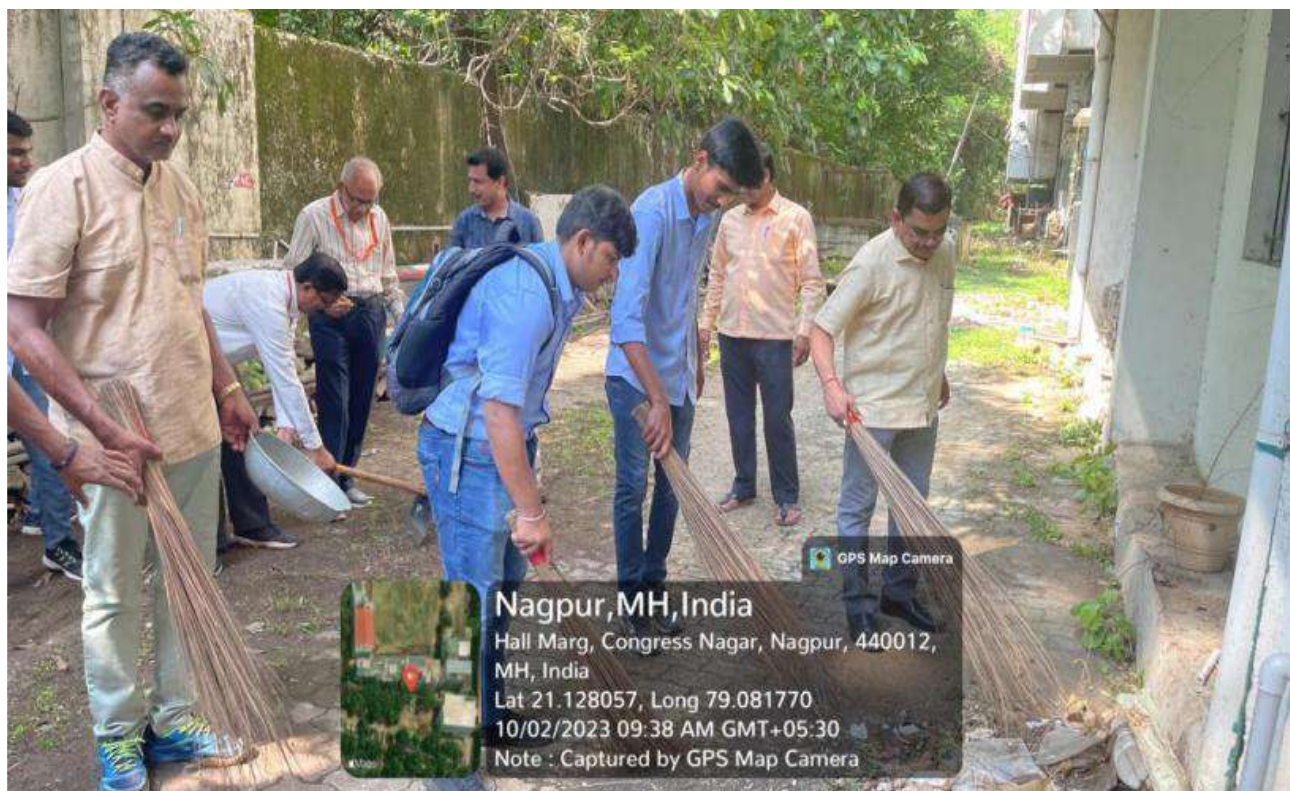
Date: - 2nd October 2023

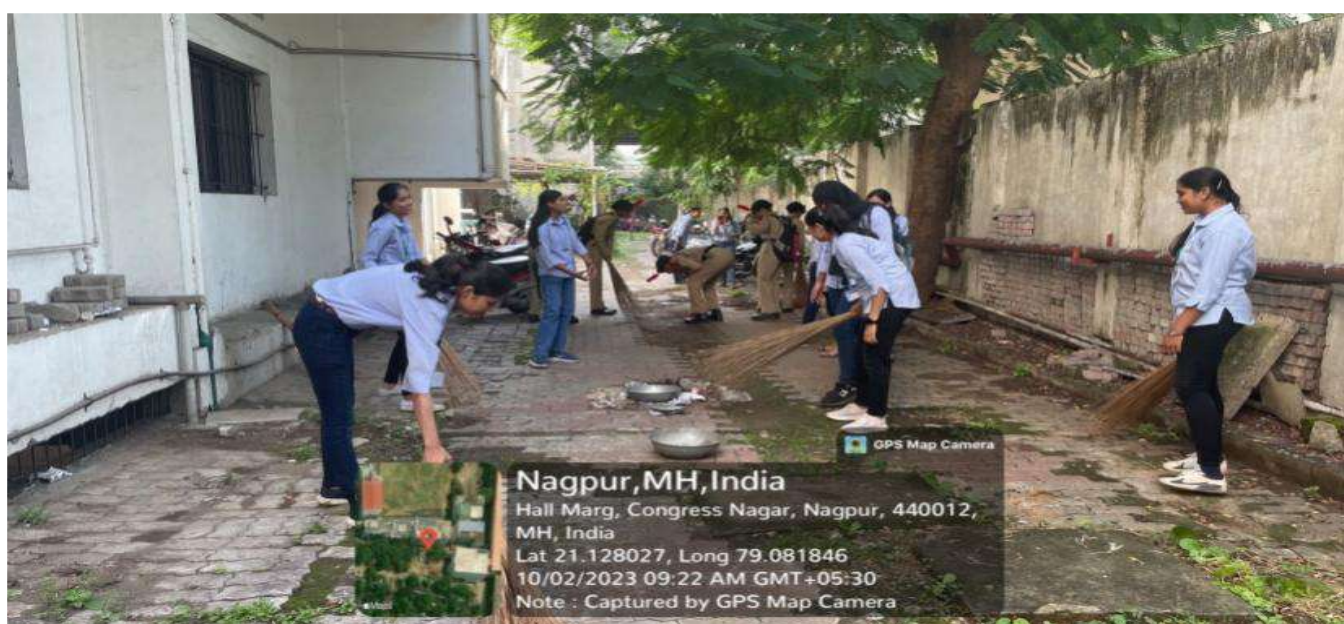
N.S.S Unit of shri Shivaji education Society Amravati's Science College Congress Nagar, Nagpur, Maharashtra, virtually organized and celebrated birth anniversary of Father of Nation Mahatma Gandhi and Lal Bahadur Shastri with great fervor and enthusiasm. The Chief Guest for the program was Prof. M.P. Dhore Principal of Science College Nagpur, Vijay Dakhole sir, Prof. R.N Deshmukh, R.Y.Deshmukh sir, Prof.B.T Khumbhare Dr. S.V. Khangar, Dr. S. R Gedam, Dr. R. P Sonwalkar and other teaching, non- teaching staff and students of Science College Nagpur and program officer was Dr. P. S. Utale.

Jadhav sir has given brief information about Mahatma Gandhi and Lal Bahadur Shastri, Lastly program was concluded with Presidential Speech by Prof. M.P. Dhore sir. At the end of the program N.S.S volunteers and N.S.S. program officer organized Local area cleaning campaign.

Dr. P. S. Utale
N.S.S Program Officer







N.S.S unit of Shri Shivaji Education Society Amravati's Science College Congress Nagar, Nagpur, Maharashtra organized and celebrated birth anniversary of Mahatma Gandhi and Lal Bahadur Shastri with great fervor and enthusiasm. The chief speaker for the program was Dr.C.J Chandekar, Chief Guest was Dr. M.P. Dhore and Guest was Dr.G.R. Avchar and program officer was Dr. P.S Utale

The celebrations for Gandhi Jayanti started welcoming all the teachers and students explained the significance of the day. After the lamp-lighting a highlighted presentation on Gandhiji's childhood and his childhood stories was made by students. A unique poem was performed by volunteers it was really unbelievable to listen to a poem on Bapuji and it was presented in a very beautiful and dignified manner. Some volunteers narrated a beautiful conversation of Gandhi & Lal Bhadur Shastri.

Chief speaker Dr. Chandekar gave their gracious speech. Lastly program was concluded with chief guest Dr. M.P Dhore. At the end of the program N.S.S volunteers and N.S.S programe officer organized campus cleaning work under the Swachha Bharat Abhiyaan.



Students participating in the cleanliness drive

vii) Tree Plantation

Shri Shivaji Education Society Amravati's
Science College Congress Nagar, Nagpur

GREEN CLUB

ACTIVITIES

Session 2023-2024

ACTIVITY: On occasion of 125 th birth anniversary of Dr.Panjabrao Deshmukh , Green Club of Science College Congress nagar , Nagpur organized cleanliness campaign and tree plantation programme on Date 23rd December 2023. Total 30 students was present.

Green club coordinator
Dr Reshma P Sonwalkar



Celebration of Bhausaheb Deshmukh 125th Jayanti at Shri Shivaji Science College by cleanliness campaign and tree plantation, Nagpur by N.S.S Unit

Date: - 23th December 2023

Dr.Panjabrao Alias Bhausaheb Deshmukh (27 December 1898 – 10 April 1965), was a social activist and a leader to farmers in India. He was the Minister of Agriculture in the first cabinet of Jawaharlal Nehru in 1952. In 1931 he established Shivaji Education Society at Amravati. This education society grew to become the second largest in Maharashtra. This society operates 24-degree colleges, 54 intermediate colleges, 75 high schools, and 35 hostels. An agricultural university bearing his name operates at Akola, i.e. Panjabrao Deshmukh Krishi Vidyapeeth. He strengthened the foundation of education throughout Maharashtra.

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N.S.S. Coordinator Prof. P. S. Utale, Prof. B.T Khumbhare Dr. S.V. Khangar, Dr. S. R Gedam, Dr. R. P. Sonwalkar Teachers and staff member's students were Present.

Every teacher and staff members had taken part in cleaning the college campus accompanied by students.

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[Prof. P. S. Utale]
N.S.S Program Officer







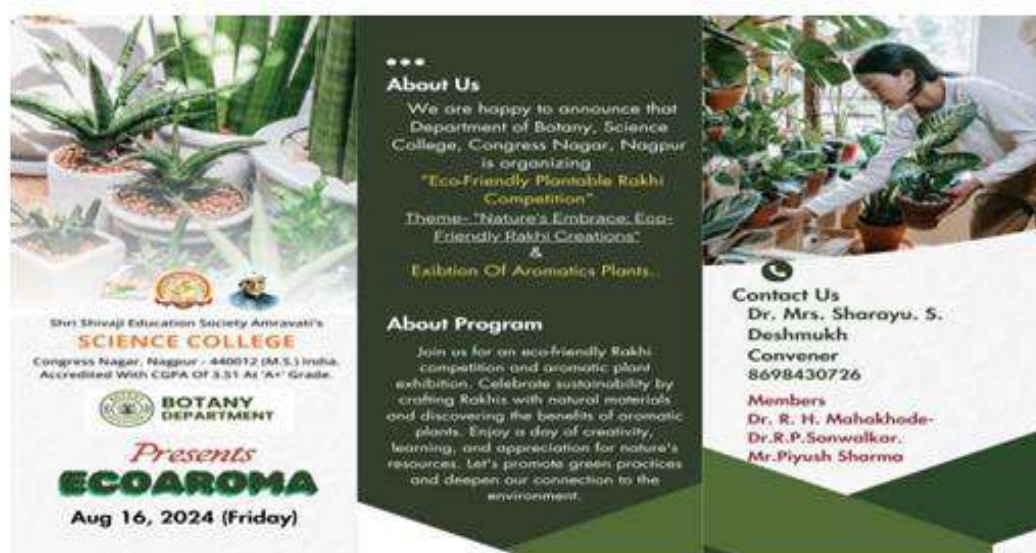


viii) Eco-Friendly Rakhi

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE

Report
Session-2024-2025

On "Eco-Friendly Plantable Rakhi" Competition the theme Nature's Embrace: Eco-Friendly Rakhi Creations" for upcoming festival "Raksha-Bandhan" & Exhibition Of Aromatic Plant Department of Botany
16th August 2024



... About Us
We are happy to announce that Department of Botany, Science College, Congress Nagar, Nagpur is organizing "Eco-Friendly Plantable Rakhi Competition" Theme- "Nature's Embrace: Eco-Friendly Rakhi Creations" & Exhibition Of Aromatic Plants.

About Program
Join us for an eco-friendly Rakhi competition and aromatic plant exhibition. Celebrate sustainability by crafting Rakhis with natural materials and discovering the benefits of aromatic plants. Enjoy a day of creativity, learning, and appreciation for nature's resources. Let's promote green practices and deepen our connection to the environment.

Contact Us
Dr. Mrs. Sharayu. S. Deshmukh
Convener
8698430726

Members
Dr. R. H. Mahakhode
Dr. R. P. Sonwalkar
Mr. Piyush Sharma

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE
Congress Nagar, Nagpur - 440012 (M.S.) India
Accredited With CGPA Of 3.51 At 'A+' Grade.

BOTANY DEPARTMENT
Presents
ECOAROMA
Aug 16, 2024 (Friday)

OUR PATRONS

Hon'ble
Shri. Harshvardhan P. Deshmukh
President,
Shri Shivaji Education Society,
Amravati

Hon'ble
Shri. Hemant W. Kulkarni
Executive
Member

Hon'ble
Dr. D. S. Deshmukh
Principal,
Science College, Nagpur

ORGANIZING COMMITTEE

Dr. Mrs. S. S. Deshmukh
Convener

Dr. P. S. Tiwari
Professor & Head

Dr. R. H. Mahakhode
Member

Dr. R. P. Sonwalkar
Member

Mr. Piyush R. Sharma
Member

राखी बांधू झाडांना, निसर्गाची सेवा करू, हरित सणाच्या आनंदान, पर्यावरणाची रक्षा करू।

PLANTABLE RAKHI WITH SEEDS

Embrace Earth's Harmony...





Registration
link or scan
QR

<https://forms.gle/qz26YSA9KRgJGSV>



IMPORTANT NOTE ON PLANT ALLOCATION

For the Aromatic Plant Exhibition, students must confirm their plants from the department through Dr. Sharayu S. Deshmukh, Dr. R.P. Sanwalkar & Mr. Piyush Sharma, by the last day of registration, 14/08/2024. This centralization helps ensure the quality and variety of plants, avoiding repetition and maintaining the overall standards of the exhibition. This is Compulsory.

ECO-FRIENDLY PLANTABLE RAKHI COMPETITION RULES

- **Materials and Prohibition:** Use only natural and eco-friendly materials (e.g., plant leaves, flowers, grains, seeds, jute, cotton). Plastic or synthetic materials are strictly prohibited.
- **Design and Creativity:** Rakhis should be original, aesthetically pleasing, and practical for tying. Creativity and innovative designs are encouraged.
- **Durability:** Ensure Rakhis are durable enough to last through the festive occasion.
- **Submission and Labeling:** Submit Rakhis by [specific date and time]. Each entry must be labeled with the participant's name and contact details.
- **Judging and Disqualification:** Entries will be judged on creativity, use of eco-friendly materials, and overall presentation. Rakhis containing prohibited materials will be disqualified.

AROMATIC PLANT EXHIBITION RULES

- **Plant Selection and Presentation:** Only aromatic plants and herbs should be displayed. Present plants in clean, attractive pots or containers.
- **Labeling and Information:** Clearly label each plant with its common and scientific names. Provide a brief description of each plant's uses and benefits.
- **Plant Care:** Ensure all plants are well-maintained and healthy. Use of synthetic fertilizers or pesticides is not allowed.
- **Setup and Interaction:** Exhibitors are responsible for setting up and removing their displays at designated times. Be available to answer questions from visitors.
- **Judging Criteria:** Displays will be judged based on the health and presentation of plants, educational value, and creativity in display arrangement.



Sri Shree Education Society Amravati's
SCIENCE COLLEGE
Congress Nagar, Nagpur - 480012 (M.S.) India.
Accredited With CGPA OF 3.51 At 'A+' Grade.



**BOTANY
DEPARTMENT**

INVITATION

We are honored to invite you,
to join us for the
program

'EcoAroma'

celebrating
"Eco-Friendly Plantable Rakhi
and Aromatic Plants
Exhibition."

Your presence will greatly
inspire our participants.

With Warm Regards

Prof. & Head Convener
Dr. Punita S. Tiwari Dr. Mrs. Sharayu S. Deshmukh

All Faculty Members Of
Department Of Botany

FRIDAY AUG. 16, 2024

AT 11:30 AM

VENUE

UG LAB, DEPARTMENT OF BOTANY



Sri Shree Education Society Amravati's
SCIENCE COLLEGE
Congress Nagar, Nagpur - 480012 (M.S.) India.
Accredited With CGPA OF 3.51 At 'A+' Grade.



**BOTANY
DEPARTMENT**

EXHIBITION
PLANT EcoAroma



We are excited to announce the Eco-Friendly Plantable Rakhi & Aromatic Plants Exhibition, where you can showcase your creativity with eco-friendly rakhi and share your knowledge of aromatic plants. Submit your plantable rakhi and aromatic plants for a chance to win exciting prizes! Don't miss this opportunity to make a positive impact and be recognized for your innovative ideas.



EVENT DATE:
FRIDAY 16 AUGUST 2024
TIME - 11:30AM

**Scan this QR
For More details**



SUBMIT YOUR PLANTS BY 14TH AUGUST 2024 TILL 5:00PM



Report

Department of Botany
“Eco-Friendly Plantable Rakhi” Competition
& Exhibition Of Aromatic Plant Department of Botany
16th August 2024

The upcoming festival of Raksha-Bandhan was celebrated in a unique and environmentally friendly way on 16th August 2024, with the successful organization of the “Nature’s Embrace: Eco-Friendly Rakhi Creations”

competition and an Exhibition of Aromatic Plants. This event was graced by esteemed guests and saw active participation from students, promoting the values of sustainability and creativity.

The event was inaugurated by the Chief Guest, Principal Dr. O. S. Deshmukh, whose presence added great significance to the occasion. The Guest of Honor and judge of the competition, **Dr. Bhagyashree Deshmukh**(MD in Obstetrics & Gynaecology), played a pivotal role in evaluating the entries. Head of the department, Dr. Punita Tiwari, alongside the convener, Dr. Mrs. Sharayu S. Deshmukh, effectively managed and coordinated the entire event. Their efforts were supported by staff members, Dr. R. H. Mahakhode, Dr. R. P. Sonwalkar, and other ad-hoc teachers who contributed to the event's success. In this event Dr.S.R.Pande & Dr.Pund sir also present as guest.The competition was themed "Nature's Embrace: Eco-Friendly Rakhi Creations," where students showcased their creativity by crafting colorful rakhis using biodegradable materials. This initiative not only emphasized the importance of traditional values but also highlighted the need for eco-friendly practices in our daily lives. The rakhis, reflecting vibrant designs and thoughtful concepts, were a testament to the students' dedication to the cause of environmental conservation.

In conjunction with the competition, an Exhibition of Aromatic Plants was held, where various aromatic plants and related products were displayed. The exhibition was meticulously planned, offering a platform for students and attendees to explore the diverse uses and benefits of aromatic plants in everyday life. The innovative presentation of the products added a dynamic element to the exhibition, garnering appreciation from all corners.

After a thorough evaluation by **Dr. Bhagyashree Deshmukh**(MD in Obstetrics & Gynaecology), four outstanding rakhi creations and four exceptional aromatic plant exhibitions were selected as winners. These talented students were honored with certificates and trophies, recognizing their hard work, creativity, and commitment to promoting eco-friendly practices. Principal Dr. O. S. Deshmukh lauded the efforts of both the students and the faculty, emphasizing the importance of such initiatives in fostering a sense of environmental responsibility among the younger generation. He expressed his satisfaction with the event's organization and execution, noting that the creative use of biodegradable materials and the well-

planned exhibition of aromatic plants were particularly commendable. The event concluded on a high note, with participants, guests, and organizers sharing a sense of accomplishment and pride in contributing to a greener, more sustainable future.

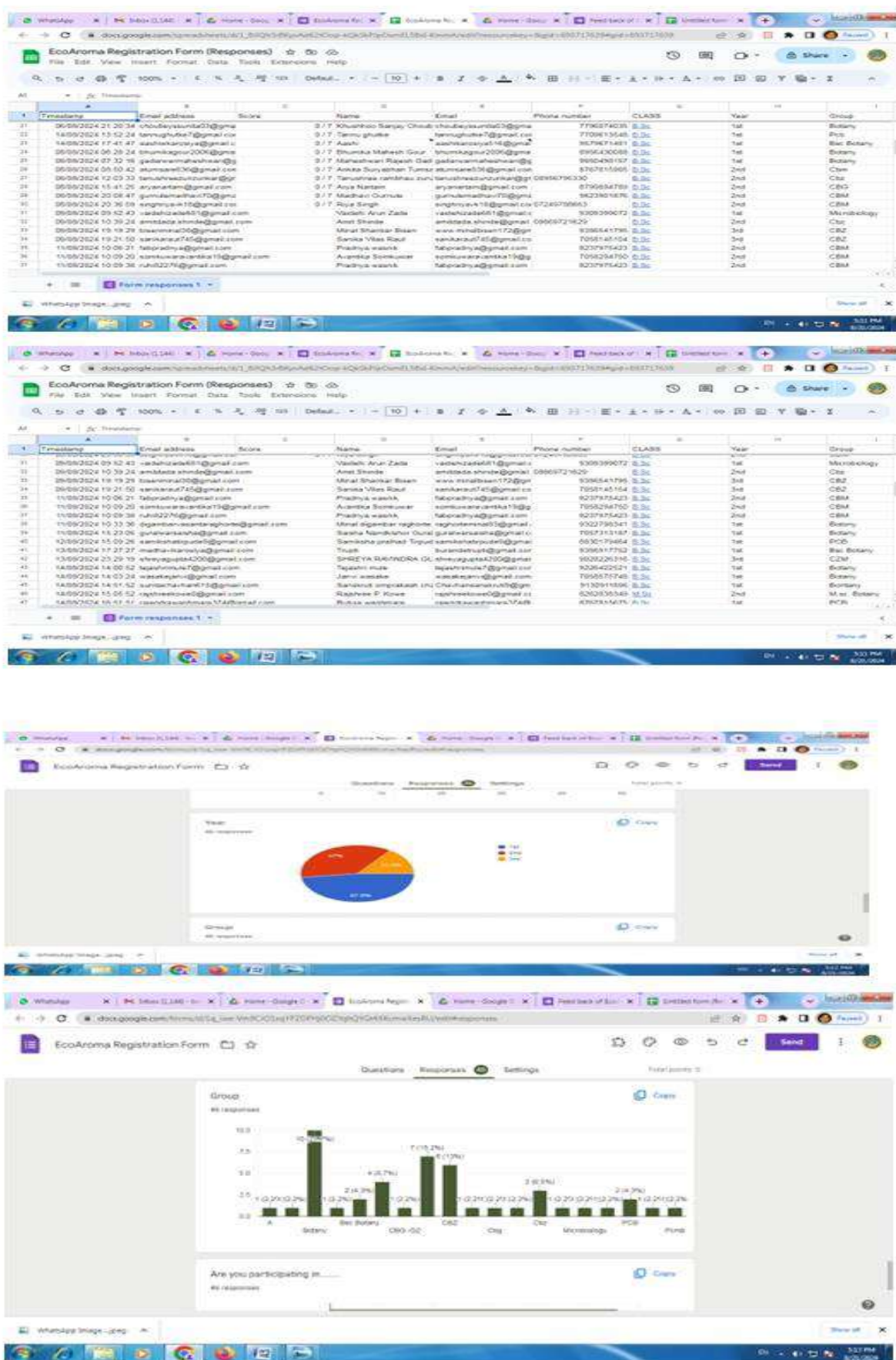


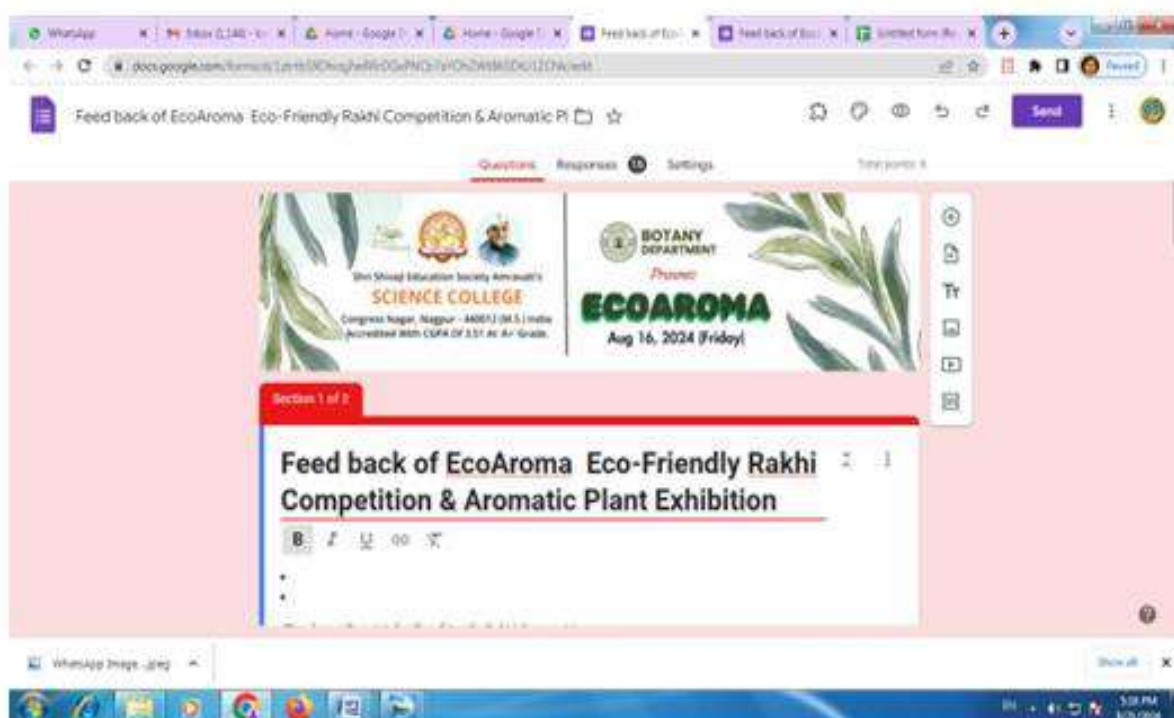
EcoAroma Registration Form (Responses)

Timestamp	Email address	Score	Name	Email	Phone number	CLASS	Year	Group
03/08/2024 22:03:31	varunsharma4@gmail.com		0.7 Varunsharma Varun Sharma	varunsharma4@gmail.com	7299055441	5.5	3rd	CBC
03/08/2024 22:12:37	priti.sharma@gmail.com		0.7 Manisha S. Dahanekar	priti.sharma@gmail.com	6788524184	5.5	2nd	CBC
03/08/2024 22:13:52	kamleshya1106@gmail.com		0.7 Sayan Kamble	kamleshya1106@gmail.com	8905614201	5.5	3rd	CBC
03/08/2024 22:39:52	sapnamishra0658779@gmail.com		0.7 Sapna Mishra	sapnamishra0658779@gmail.com	9829872407	5.5	1st	Botany
04/08/2024 09:09:52	khateerishma7@gmail.com		0.7 Varsha Dongre	khateerishma7@gmail.com	8265657004	5.5	1st	Botany
04/08/2024 10:37:51	ruchikathathankar@gmail.com		0.7 Ruchika Kathathankar	ruchikathathankar@gmail.com	8757816259	5.5	1st	Botany
04/08/2024 10:47:17	umeshkharu0653@gmail.com		0.7 Umeshkhar Haribal Rajur	umeshkharu0653@gmail.com	9022488517	5.5	1st	Botany
04/08/2024 10:47:52	aashikaashdy@gmail.com		0.7 Aashika Santhiya	aashikaashdy@gmail.com	9860775630	5.5	1st	No
04/08/2024 10:58:29	rityashu25@gmail.com		0.7 Vijaya Uike	rityashu25@gmail.com	9367300765	5.5	3rd	CBC
04/08/2024 11:01:44	shahankhushnagar99@gmail.com		0.7 Shrushti Khushnagar	shahankhushnagar99@gmail.com	9819040646	5.5	1st	A
04/08/2024 12:11:29	nikhilmurap307@gmail.com		0.7 Rohit Kumar pat	nikhilmurap307@gmail.com	9796075639	5.5	1st	CBC
04/08/2024 12:39:51	akyaash04@gmail.com		0.7 Akya Asha	akyaash04@gmail.com	8930444201	5.5	3rd	CBC
04/08/2024 07:08:19	shwankhushnagar@gmail.com		0.7 Shruen Vasantrao Kharg	shwankhushnagar@gmail.com	7035890391	5.5	2nd	CBC
04/08/2024 07:48:56	shrushtikumar@gmail.com		0.7 Shrushti Nongre	shrushtikumar@gmail.com	8766615864	5.5	2nd	CBC
04/08/2024 08:52:00	satishkumar@gmail.com		0.7 Saranya Satpute	satishkumar@gmail.com	8867740600	5.5	2nd	CBC
04/08/2024 12:51:56	yashash09@gmail.com		0.7 Dnyan Gyanashwar Yash	yashash09@gmail.com	9188426809	5.5	2nd	CBC
04/08/2024 10:31:00	felix-edu005@gmail.com		0.7 Vedant Foke	felix-edu005@gmail.com	9399996633	5.5	2nd	CBC

EcoAroma Registration Form (Responses)

Timestamp	Email address	Score	Name	Email	Phone number	CLASS	Year	Group
04/08/2024 21:20:34	khobeykar03@gmail.com		0.7 Khushboo Sanjay Choudh	khobeykar03@gmail.com	7796074035	5.5	1st	Botany
14/08/2024 13:52:24	tanuushdub7@gmail.com		0.7 Tanuush Dubey	tanuushdub7@gmail.com	7709613643	5.5	1st	Phy
14/08/2024 17:41:47	aashikaashdy@gmail.com		0.7 Aashika	aashikaashdy@gmail.com	8979871481	5.5	1st	Bot. Botany
04/08/2024 06:20:24	shrushtikagur2006@gmail.com		0.7 Shrushti Mahesh Gaur	shrushtikagur2006@gmail.com	8956430066	5.5	1st	Botany
04/08/2024 07:32:16	gedarshankarshastri@gmail.com		0.7 Maheshwar Rajesh Shastri	gedarshankarshastri@gmail.com	9804456107	5.5	1st	Botany
04/08/2024 08:10:42	sumanash04@gmail.com		0.7 Anshika Suryashankar Tumar	sumanash04@gmail.com	6767815669	5.5	2nd	CBC
04/08/2024 12:23:33	tanushshubhsuman@gmail.com		0.7 Tanushree Rambhau Jure	tanushshubhsuman@gmail.com	9835679630	5.5	2nd	CBC
04/08/2024 16:41:26	aryanaram@gmail.com		0.7 Arya Nartani	aryanaram@gmail.com	6799994769	5.5	2nd	CBC
04/08/2024 20:08:47	gumudamathia7@gmail.com		0.7 Madhuri Gurnale	gumudamathia7@gmail.com	9623821876	5.5	2nd	CBC
04/08/2024 20:36:59	engthyah16@gmail.com		0.7 Riya Singh	engthyah16@gmail.com	623757423	5.5	2nd	CBC
04/08/2024 09:52:43	vashishtha04@gmail.com		0.7 Vashishtha Arun Zade	vashishtha04@gmail.com	9009390072	5.5	1st	Microbiology
04/08/2024 10:39:24	amriddha.shinde@gmail.com		Amriddha Shinde	amriddha.shinde@gmail.com	6666972629	5.5	2nd	CBC
04/08/2024 10:19:28	tanushshubhsuman@gmail.com		0.7 Tanushree Rambhau Jure	tanushshubhsuman@gmail.com	9835679630	5.5	2nd	CBC
04/08/2024 10:21:10	sanika.vilas.roust@gmail.com		0.7 Sanika Vilas Roust	sanika.vilas.roust@gmail.com	7056145154	5.5	3rd	CBC
11/08/2024 10:06:21	tanushshubhsuman@gmail.com		0.7 Tanushree Rambhau Jure	tanushshubhsuman@gmail.com	9835679630	5.5	2nd	CBC
11/08/2024 10:09:00	tanushshubhsuman@gmail.com		0.7 Tanushree Rambhau Jure	tanushshubhsuman@gmail.com	9835679630	5.5	2nd	CBC
11/08/2024 10:09:38	tanushshubhsuman@gmail.com		0.7 Tanushree Rambhau Jure	tanushshubhsuman@gmail.com	9835679630	5.5	2nd	CBC





The screenshot shows a Google Sheets spreadsheet with the following columns: TimeStamp, Email address, Score, You are Participating/Yes/How useful did you think, This event was well organised, Combination of staff worthy expectations of the co-Organizers are, and Yes. The data is organized into rows, with each row representing a response to the survey.

TimeStamp	Email address	Score	You are Participating/Yes/How useful did you think	This event was well organised	Combination of staff worthy expectations of the co-Organizers are	Yes
11/08/2024 14:54:11	pratiknath@gmail.com	5/5	A) Excellent	Strongly agree	Yes	Strongly agree
11/08/2024 15:47:22	pratiknath@gmail.com	5/5	A) Excellent	Agree	Yes	Strongly agree
10/08/2024 11:29:49	tanujshukla7@gmail.com	5/5	A) Excellent	Strongly disagree	Maybe	Agree
10/08/2024 12:01:47	pratiknath@gmail.com	5/5	A) Excellent	Agree	Yes	Strongly agree
10/08/2024 13:04:16	pratiknath@gmail.com	5/5	A) Excellent	Strongly agree	Yes	Agree
10/08/2024 13:06:50	pratiknath@gmail.com	5/5	A) Excellent	Strongly disagree	Yes	Strongly agree
10/08/2024 13:04:47	pratiknath@gmail.com	5/5	A) Excellent	Agree	Yes	Strongly agree
10/08/2024 13:11:23	pratiknath@gmail.com	5/5	A) Excellent	Strongly agree	Yes	Agree
10/08/2024 13:22:28	pratiknath@gmail.com	5/5	B) Good	Agree	Yes	Strongly agree
10/08/2024 13:41:09	pratiknath@gmail.com	5/5	A) Excellent	Strongly disagree	Maybe	Strongly disagree
10/08/2024 13:42:01	pratiknath@gmail.com	5/5	A) Excellent	Strongly agree	Yes	Strongly agree
10/08/2024 13:43:44	pratiknath@gmail.com	5/5	B) Good	Strongly agree	Yes	Strongly agree
10/08/2024 13:48:11	pratiknath@gmail.com	5/5	B) Good	Strongly agree	Yes	Strongly agree
10/08/2024 13:54:12	pratiknath@gmail.com	5/5	A) Excellent	Strongly agree	Yes	Strongly agree
10/08/2024 15:54:54	pratiknath@gmail.com	5/5	A) Excellent	Strongly agree	Yes	Strongly agree



मातृभूमि

इको फ्रेंडली प्लांटेबल राखी स्पर्धा व सुगंधी वनस्पतींचे प्रदर्शन

विज्ञान महाविद्यालय वनस्पतिशास्त्र विभागाचे आयोजन

प्रतिनिधी। १६ ऑगस्ट नागपूर - विज्ञान महाविद्यालय, नागपूरच्या वनस्पतीशास्त्र विभागात तुकतेच दोन उत्साही कार्यक्रमांची घोषणा करण्यास उत्सुक आहे. येणारा सण रक्षाबंधनाचे औचित्य साधून विज्ञान महाविद्यालय वनस्पतीशास्त्र विभागात इको-फ्रेंडली प्लांटेबल राखी स्पर्धा आणि सुगंधी वनस्पतींचे प्रदर्शन आयोजित करण्यात आले होते.

इको-फ्रेंडली प्लांटेबल राखी स्पर्धा सहभागींना बायोडिग्रेडेबल आणि लागवड करण्यायोग्य सामग्री जसे की सीड पेपर, माती आणि नैसर्गिक रंग वापरून राख्या डिजाइन करण्यासाठी आमंत्रित करते. सर्जनशीलता, कार्यक्षमता, सौंदर्याचा आतील आणि टिकाऊपणा यावर नोंदीचा न्याय केला जाईल. विविध श्रेणीमध्ये बक्षिसे दिली जातील आणि विजेत्यांना रोपटे आणि बागकाम किट यांसारख्या पर्यावरणपूरक भेटवस्तू मिळतील. या कार्यक्रमात स्वतःच्या लागवड करण्यायोग्य राख्या कशा तयार कराव्या? हे शिकविण्यात स्वतःच्या असलेल्यासाठी देखील उपयुक्त असेल.

त्याच बरोबर, सुगंधी वनस्पतींच्या प्रदर्शनाचे उद्दिष्ट अभ्यागतांना निसर्गापंचायतीतील सुगंधी वनस्पतींच्या विविध उपयोगांबद्दल शिक्षित आणि प्रेरित करणे आहे. या प्रदर्शनात विविध वनस्पतींचे फायद्यांची तपशीलवार माहिती आणि वाढत्या टिप्स, आवश्यक तेल काढणे आणि तुर्बल इन्फ्युजन यावरील थेट प्रात्यक्षिकांसह त्यांचे प्रदर्शन केले जाईल. सुगंधित उत्पादने तयार करण्यासाठी उपस्थितांना आनंद देता येईल कार्यक्रमाचा प्रसार सोशल मीडिया, स्थानिक पोस्टर्स आणि समुदाय गटांच्या सहकार्याद्वारे केला जाईल जेणेकरून व्यापक पोहोच सुनिश्चित होईल. स्वयंसेवक कार्यक्रमाच्या समन्वयासाठी मदत करतील सायन्स कॉलेज, नागपूर येथे सर्जनशीलता, शिक्षण आणि पर्यावरणाचे कौतुक करण्याच्या दिवसासाठी आमच्यात सामील व्हा! पर्यावरणाचा समतोल व सुगंधी वनस्पती आपल्याला किती उद्भुत आहेत? हे सांगण्याचे प्रयत्न प्रदर्शनामध्ये केला आहे, असे कार्यक्रमाच्या संयोजिका डॉ. शरत् एस. देशमुख यांनी सांगितले.



मातृभूमि

सुगंधी वनस्पतींचे प्रदर्शन, इको फ्रेंडली राखी स्पर्धा व रक्षाबंधन

सायन्स कॉलेज नागपूर येथे आयोजन

प्रतिनिधी। १६ ऑगस्ट नागपूर - सायन्स कॉलेज नागपूर येथे वनस्पतिशास्त्र विभागाने रक्षाबंधन व २०२४ हे वेपर इन्फ्रेस इको-फ्रेंडली राखी स्पर्धा व सुगंधी वनस्पतींचे प्रदर्शन आणि इको फ्रेंडली प्लांटेबल राखी स्पर्धा व रक्षाबंधन या कार्यक्रमांचे आयोजन केले आहे. या कार्यक्रमात स्वतःच्या लागवड करण्यायोग्य राख्या कशा तयार कराव्या? हे शिकविण्यात स्वतःच्या असलेल्यासाठी देखील उपयुक्त असेल.

इको-फ्रेंडली प्लांटेबल राखी स्पर्धा सहभागींना बायोडिग्रेडेबल आणि लागवड करण्यायोग्य सामग्री जसे की सीड पेपर, माती आणि नैसर्गिक रंग वापरून राख्या डिजाइन करण्यासाठी आमंत्रित करते. सर्जनशीलता, कार्यक्षमता, सौंदर्याचा आतील आणि टिकाऊपणा यावर नोंदीचा न्याय केला जाईल. विविध श्रेणीमध्ये बक्षिसे दिली जातील आणि विजेत्यांना रोपटे आणि बागकाम किट यांसारख्या पर्यावरणपूरक भेटवस्तू मिळतील. या कार्यक्रमात स्वतःच्या लागवड करण्यायोग्य राख्या कशा तयार कराव्या? हे शिकविण्यात स्वतःच्या असलेल्यासाठी देखील उपयुक्त असेल.

त्याच बरोबर, सुगंधी वनस्पतींच्या प्रदर्शनाचे उद्दिष्ट अभ्यागतांना निसर्गापंचायतीतील सुगंधी वनस्पतींच्या विविध उपयोगांबद्दल शिक्षित आणि प्रेरित करणे आहे. या प्रदर्शनात विविध वनस्पतींचे फायद्यांची तपशीलवार माहिती आणि वाढत्या टिप्स, आवश्यक तेल काढणे आणि तुर्बल इन्फ्युजन यावरील थेट प्रात्यक्षिकांसह त्यांचे प्रदर्शन केले जाईल. सुगंधित उत्पादने तयार करण्यासाठी उपस्थितांना आनंद देता येईल कार्यक्रमाचा प्रसार सोशल मीडिया, स्थानिक पोस्टर्स आणि समुदाय गटांच्या सहकार्याद्वारे केला जाईल जेणेकरून व्यापक पोहोच सुनिश्चित होईल. स्वयंसेवक कार्यक्रमाच्या समन्वयासाठी मदत करतील सायन्स कॉलेज, नागपूर येथे सर्जनशीलता, शिक्षण आणि पर्यावरणाचे कौतुक करण्याच्या दिवसासाठी आमच्यात सामील व्हा! पर्यावरणाचा समतोल व सुगंधी वनस्पती आपल्याला किती उद्भुत आहेत? हे सांगण्याचे प्रयत्न प्रदर्शनामध्ये केला आहे, असे कार्यक्रमाच्या संयोजिका डॉ. शरत् एस. देशमुख यांनी सांगितले.




२ प्रोसाहनपर राजशी कोडे, सौम्य वादक व अवलंबिका मुळे हिला देण्यात आले. पॅरोमॅटिक एक्सिडेशन मध्ये पैलाली पाटील प्रथम, मायिका राजत शिंदे तसेच २ प्रोसाहनपर बक्षिसे देण्यात आले. सर्व विजेत्यांना ट्रॉफी व सर्टिफिकेट देण्यात आले व स्वयंसेवक सहभागी सर्व विद्यार्थ्यांना सर्टिफिकेट देण्यात आले.

या कार्यक्रमाला संपन्नकशाख विभागप्रमुख डॉ. एस. आर. पांडे व मातृभूमि विभागाचे डॉ. पुंड्र उपस्थित होते. फिडबॅक द्वारे प्रदर्शनाला उर्बा देईल. या कार्यक्रमाच्या संयोजिका डॉ. शरत् देशमुख व विभाग प्रमुख पुनिता तिबारी यांनी कार्यक्रमाची योग्य मार्गदर्शन केले तसेच या सर्व कार्यक्रमांना विभागप्रमुख डॉ. पुनिता तिबारी, डॉ. रुपाली महाखोडे, डॉ. रेश्मा सोनवतकर यांचे सहकार्य लाभले तसेच पीपुळ तर्फा, स्वप्नील कुसे यांचे सहकार्य लाभले. विभाग प्रमुख डॉ. पुनिता तिबारी यांनी राखी स्पर्धेचे महत्त्व सांगितले व विजेत्यांना विद्यार्थ्यांचे अभिनंदन केले तसेच प्रा. डॉ. ओ. एस. देशमुख यांनी मार्गदर्शन केले.

या प्रदर्शनात पर्यावरणपूरक उत्पादनांची विविधता पाहून सर्वेच उपस्थित येथेच झाले. कार्यक्रम यशस्वी झाल्याबद्दल विभागप्रमुख तसेच सर्व प्राध्यापकांचे अभिनंदन केले तसेच अशा तऱ्हीन विभागध्यक्ष जनराणी कार्यक्रमांची आयोजकता आहे असे सांगितले. आयोजक बाटीरिया सहस्यक प्राध्यापक डॉ. हरतु देशमुख यांनी सर्वांच्या वतीने प्रा. डॉ. ओ. एस. देशमुख यांचे आभार मानले तसेच सर्व विद्यार्थ्यांचे व स्वयंसेवक विजेते यांचे अभिनंदन केले. उपस्थितांचे आभार मित्रात राजत यांनी मानले.

Convener
Dr. Mrs. Sharayu S. Deshmukh

Head
Prof. P. S. Tiwari

Principal
Dr. O. S. Deshmukh

Action Taken Report and Feedback

Event: Eco-Aroma “Eco-Friendly Plantable Rakhi” Competition and Exhibition of Aromatic Plants

Theme: Nature's Embrace: Eco-Friendly Rakhi Creations

Date: 16th August 2024

organized by: Department of Botany

Event Summary:

The event was held on 16th August 2024 to celebrate the upcoming festival of “Raksha-Bandhan.” The “Eco-Friendly Plantable Rakhi” competition aimed to promote environmental awareness and creativity among students, while the Aromatic Plant Exhibition showcased various plants known for their aromatic properties.

The event was inaugurated by the **Chief Guest, Principal Dr. O. S. Deshmukh**, whose presence added great significance to the occasion. The **Guest of Honor and judge of the competition, Dr. Bhagyashree Deshmukh (MD in Obstetrics & Gynaecology)**, played a pivotal role in evaluating the entries.

Organizing Team:

- **Dr. Punita Tiwari** (Head of the Department)
- **Dr. Mrs. Sharayu S. Deshmukh** (Convener)
- **Staff Members:** Dr. R. H. Mahakhode, Dr. R. P. Sonwalkar, and other ad-hoc teachers

The organizing team efficiently managed the event, ensuring smooth coordination and execution.

Competition and Exhibition Outcomes:

- **Rakhi Competition:** Four outstanding rakhi creations were selected as winners. The rakhi were judged based on creativity, use of eco-friendly materials, and overall presentation.

- **Aromatic Plant Exhibition:** Four exceptional aromatic plant displays were selected as winners. The exhibition highlighted the importance of aromatic plants in our daily lives and their benefits.

Feedback and Remarks:

- **Principal Dr. O. S. Deshmukh:** Praised the efforts of both the students and the faculty. He emphasized the importance of such initiatives in fostering a sense of environmental responsibility among the younger generation. He expressed his satisfaction with the event's organization and execution, noting that the creative use of biodegradable materials was commendable.
- **Dr. Bhagyashree Deshmukh:** Appreciated the innovative ideas and enthusiasm shown by the students. She highlighted the importance of integrating creativity with environmental consciousness and congratulated the winners for their exceptional work.

Suggestions and Improvements:

- **Increased Participation:** Encourage more students to participate in future events by conducting awareness sessions and workshops beforehand.
- **Extended Exhibition Time:** Allow more time for the exhibition to ensure all visitors have ample opportunity to explore and learn about the aromatic plants.
- **Documentation:** Develop a comprehensive digital archive of the event, including photographs and descriptions of the winning entries, for future reference and inspiration.

Conclusion:

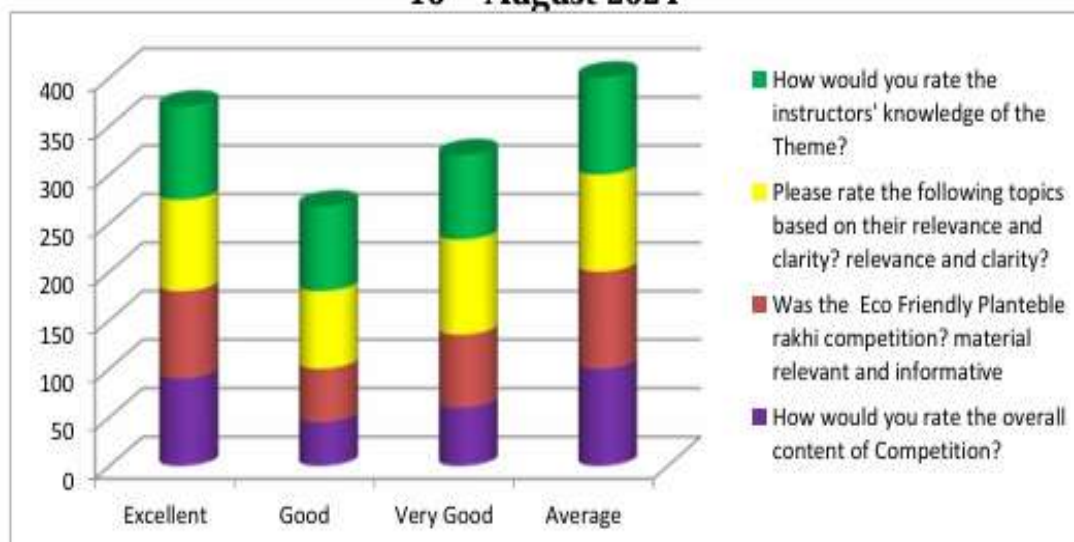
The “Eco-Friendly Plantable Rakhi” Competition and Aromatic Plant Exhibition were successfully conducted, achieving their objectives of promoting eco-friendly practices and enhancing students' knowledge of aromatic plants. The event was well-received by participants and guests alike, and the feedback has been overwhelmingly positive. Future events will build on this success to continue fostering environmental awareness and creativity among students.

Feedback Form

Sr. No.	Question	Responses		
		Excellent	Good	Average
1.	How would you rate the overall content of the competition?	√		
2.	Was the Eco Friendly Planteble rakhi competition? material relevant and informative?	√		
3.	Please rate the following topics based on their relevance and clarity?	√		
4.	How would you rate the instructors' knowledge of the Theme?		√	

“Eco-Friendly Plantable Rakhi” Competition the

**Theme - Nature's Embrace: Eco-Friendly Rakhi Creations” - &
Exhibition of Aromatic Plant
16th August 2024**



**Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE**

Report

On "Green Rakhi Competition"

To Celebrate "International Year of Millets-2023" as well as World Nature of Conservation Day 2023,"

Department of Botany Session-2023-2024

26th August 2023

On the occasion of upcoming festival "**Raksha-Bandhan**", Department of Botany organized "**Green Rakhi Competition**" on dated 26th August 2023, on the combined theme "Food security, nutrition & sustainable agriculture, people & planet" with the permission of Hon'ble Principal Prof. M.P.Dhore. Dr.Sharayu S.Deshmukh Convener of this competition conducted the program. Co- convener, Dr. Rupali H. Mahakhode and other faculty members cooperated to make this competition grand success. In our environment different types of millets are found like Sorghum Millet (Jowar) Proso Millet (Chena), Pearl Millet (Bajra) Foxtail Millet (Kakum / Kangni) Finger Millet (Ragi) viz.& its important to our health Millet contains fiber, which contributes to digestive health and helps to regulate bowel movements. Millet also has probiotics, which stimulate the growth of probiotics within the microbiome. This is important for gut health and the immune system in general. Our Hon'ble Principal Prof. M.P.Dhore inaugurated this event. All the participants were rewarded with prizes & certificates. Consolation prizes were given to Avantika Srikant Mule and Soumya Yadav and third prize given to Janhvi Burde, second prize given to Rasika Patil and first prize given to Devendra Giri by the Principal. The Total 68 students were participated in this competition. Hon'ble Principal Prof..M.P.Dhore & Prof. R.N. Deshmukh, Head of Department appreciated & given noteworthy remarks.



1) Inauguration and Visit to Green Rakhi Exhibition to Hon'ble Principal Prof.M.P.Dhore & Prof. R.N. Deshmukh



2) First winner of Green Rakhi Competition



3) Local News Paper Maharashtra Times News

Action Taken Report: Green Rakhi Competition

26th August 2023

Theme: "Food Security, Nutrition & Sustainable Agriculture, People & Planet"

Action Taken Report

Green Rakhi Competition

Theme: "Food Security, Nutrition & Sustainable Agriculture, People & Planet"

Date: 26th August 2023 (Raksha Bandhan)

Organized by: [Science Collge,Nagpur/Department Of Botany]

1. Event Planning and Coordination

- **Objective:** To promote awareness about food security, nutrition, and sustainable agriculture while celebrating the cultural festival of Raksha Bandhan.
- **Planning Committee:** A committee of faculty members and student volunteers was formed to plan and coordinate the event.

2. Promotion and Invitations

- **Promotional Material:** Posters, flyers, and social media posts were created to promote the event. These materials highlighted the theme and encouraged participation.
- **Invitations:** Invitations were sent to students and staff, as well as to local community members, to participate in the competition.

3. Registration and Participation

- **Registration Process:** An online registration form was made available for participants to sign up. Registrations were open from 1st August to 20th August 2023.
- **Participants:** A total of 150 participants registered for the competition.

4. Competition Details

- **Format:** Participants were asked to create "Green Rakhis" using sustainable and eco-friendly materials. Each rakhi was to reflect the theme of food security, nutrition, and sustainable agriculture.
- **Submission:** Participants submitted their rakhis along with a brief description of their creation and the materials used by 24th August 2023.

5. Judging and Evaluation

- **Judging Panel:** A panel of judges, including faculty members and experts in sustainable agriculture, evaluated the submissions.
- **Criteria:** Judging was based on creativity, adherence to the theme, use of sustainable materials, and overall presentation.
- **Results:** The winners were announced on 26th August 2023 during a special ceremony.

6. Awards and Prizes

- **First Prize:** Devendra Giri
- **Second Prize:** Rasika Patil
- **Third Prize:** Janhvi Burde
- **Consolation Prizes:** Avantika Srikant Mule and Soumya Yadav
- **Certificates and Prizes:** Winners received certificates and eco-friendly gift hampers.

7. Event Day Activities

- **Exhibition:** All submitted rakhis were displayed in an exhibition open to the public.
- **Workshops:** Workshops on sustainable agriculture and nutrition were conducted alongside the exhibition.
- **Cultural Programs:** Cultural performances related to the theme of the event were organized.

8. Feedback and Acknowledgments

- **Feedback Form:** Participants and attendees were asked to fill out a feedback form to provide their views on the event.
- **Acknowledgments:** The organizing committee expressed gratitude to all participants, judges, and volunteers for their efforts in making the event successful.

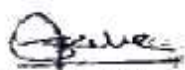
9. Follow-up Actions

- **Awareness Campaign:** Plans were made to continue raising awareness about food security and sustainable agriculture through future events and campaigns.
- **Community Engagement:** Initiatives to involve the local community in sustainable practices were discussed for implementation.

Conclusion

The Green Rakhi Competition was a resounding success, bringing together creativity and sustainability to celebrate Raksha Bandhan. The event not only highlighted important issues such as food security and nutrition but also encouraged the use of eco-friendly materials. The Department looks forward to organizing similar events in the future to promote environmental awareness and sustainable practices.

Prepared by:



Dr. Mrs. Sharayu S. Deshmukh
Convener

Department of Botany
Science College, Congress Nagar, Nagpur

30/08/2023

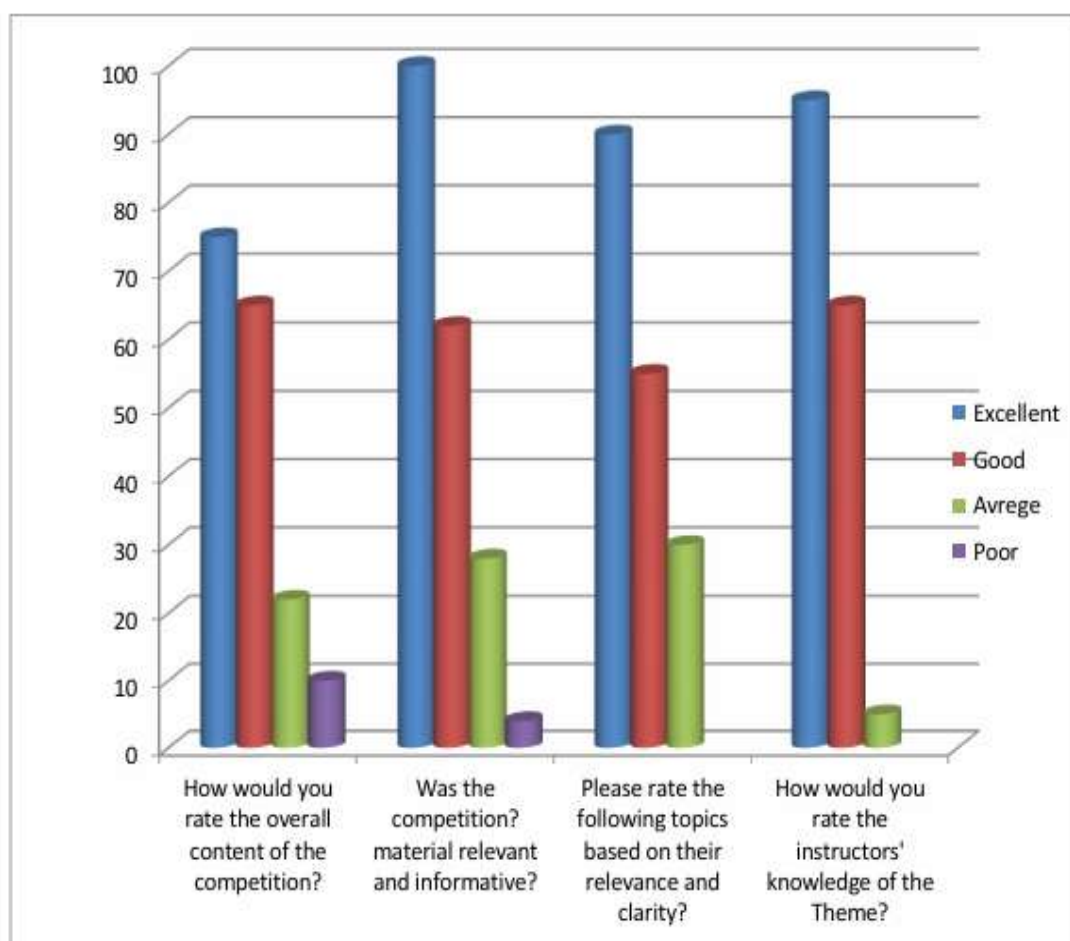
Feedback Form

Sr. No.	Question	Responses		
		Excellent	Good	Average
1.	How would you rate the overall content of the competition?			
2.	Was the competition? material relevant and informative?			
3.	Please rate the following topics based on their relevance and clarity?			
4.	How would you rate the instructors' knowledge of the Theme?			

Green Rakhi Competition

26 Agust 2023

Theme: "Food Security, Nutrition & Sustainable Agriculture, People & Planet"



Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur

DEPARTMENT OF BOTANY

NOTICE

Date: 02/08/2019

All the students of B.Sc.-I,II,III, are hereby informed that, Department of Botany will be organizing Exhibition on "Eco-friendly Rakhi" to celebrate rakhi festival in eco-friendly way on 14th August 2019 at 12.30 pm in Botany lab. Interested students can participate in this competition. Participants can use only biodegradable materials in this competition. Students are informed to give their names on or before 10th August 2019 to Dr. Mrs. S.D. Puranik.



Prof. R. N. Deshmukh

HEAD
DEPARTMENT OF BOTANY
SHRI SHIVAJI EDUCATION SOCIETY
AMRAVATI'S SCIENCE COLLEGE
CONGRESS NAGAR, NAGPUR



Dr. Mrs. S.D. Puranik

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Department of Botany
Organized
Eco-friendly Rakhi Competition and Exhibition
Session- 2019-2020**

REPORT

Eco-friendly Rakhi was celebrated in department of Botany with great enthusiasm. This event took place on 14th August 2019 at 12.30pm. Dr. M.P. Dhore, Principal, of college inaugurated the function. He inspired all the importance of green activities and environment. He also appreciated the students who made eco-friendly rakhis. The competition was held to promote awareness of environment about fifty seven students were participated in the exhibition. The material were used such dry fruits, biscuits, papercutting, grains, spices, chocolates, flowers, leaves and other eco-friendly material. This exhibition was held under the guidance of Dr. Mrs. S.D. Puranik. Dr. P.D. Burghate judged the program. Dr. R.N. Deshmukh HOD, Dr. P.S. Tiwari, Dr. R.H. Mahakhode, Dr. Sharayu Deshmukh, Mr. Manish Chinchmalatpure & non teaching staff were present. Students worked hard for this exhibition.

In fresh material category winners are

- 1) Padmavati Dehury (CBM) 1st year
- 2) Aarya Chavan (CBM) 1st year

In Eco-friendly material category winners are

- 1) Pallavi Nitnaware (CBG)
- 2) Parule Dhkate (CBG)
- 3) Vedat Patwa (CBG)

Consolation Prize

- 1) Vrunda Borkar (CBM)
- 2) Ishant Nikure (CBM)

Innovative Model-

- 1) Rutik Wasnik

Eco-friendly Rakhi Competition and Exhibition




Dr. Mrs. S.D. Puranik
Convener

DEPARTMENT OF BOTANY
Organized
Eco-friendly Rakhi Competition and Exhibition
Session- 2019-2020
List of Participants

Sr. No.	Name of Students	Sr. No.	Name of Students	Sr. No.	Name of Students
1	Vrunda Borkar	21	Mohit Bokde	41	Aarya Chavan
2	Padmabati Dehury	22	Tushar Bramhankar	42	Pranali Bhoyar
3	Sakshi Fulzele	23	Anshul Gour	43	Rishi Tiwari
4	Ishwarina Gawande	24	Nikita Raghuse	44	Dipali Chulpar
5	Asmita Wagh	25	Purva Bobde	45	Mansi Bokde
6	Vaishnavi Nannawre	26	Kshitij Bhoge	46	Laxmi Shahare
7	Payal Jadhav	27	Vishaka Thakur	47	Shruti Tiwari
8	Sejal Nilatkar	28	Mrunali Thakare	48	Abhilasha Dudhpachare
9	Pooja Pangul	29	Srushti Shingade	49	Dhanashri Raghatate
10	Harsh Ninawe	30	Nilesh Uparkar	50	Sharwari Duryodhan
11	Aanchal Chaturvedi	31	Sakshi Patil	51	Ishant Nikure
12	Dhanashree Bhude	32	Danshika Waghmare	52	Savita Rao
13	Vinita Tijare	33	Samiksha Nishane	53	Tanushree Banerjee
14	Pallavi Nitnaware	34	Amisha Pangul	54	Riddhi Bhalerao
15	Sejal Bulkunde	35	Snehal Gaikwad	55	Neha Thakral
16	Neha Chopde	36	Radha Yelekar	56	Rohit Bhopulkar
17	Kanchan Singh	37	Shruti Ramteke	57	Sneha Salwe
18	Vedat Patwa	38	Rutik Wasnik		
19	Aniket Parchake	39	Parule Dhakate		
20	Vaishnavi Meshram	40	Shikha Trivedi		

DEPARTMENT OF BOTANY
Organized
Eco-friendly Rakhi Competition and Exhibition
Session- 2019-2020

List of Participants

Sr. No.	Name of Students	Signature	Sr. No.	Name of Students	Signature
1	Vrunda Borkar	V. Borkar	31	Nakshi Patil	N. Patil
2	Padmavati Dethury	P. Dethury	32	Damthika Waghmare	D. Waghmare
3	Sakshi Fulzele	S. Fulzele	33	Samiksha Mishra	S. Mishra
4	Ishwarina Gawande	I. Gawande	34	Amisha Pangul	A. Pangul
5	Azmita Wagh	A. Wagh	35	Snchal Gokwad	S. Gokwad
6	Vaishnavi Nannawre	V. Nannawre	36	Radhya Yelekar	R. Yelekar
7	Payal Jadhav	P. Jadhav	37	Shruti Ramteke	S. Ramteke
8	Sejal Nilatkar	S. Nilatkar	38	Rutik Wansik	R. Wansik
9	Pooja Pangul	P. Pangul	39	Parule Dhakate	P. Dhakate
10	Harsh Minawe	H. Minawe	40	Shikha Trivedi	S. Trivedi
11	Aanchal Chaturvedi	A. Chaturvedi	41	Aarya Chavan	A. Chavan
12	Dhanashree Bhude	D. Bhude	42	Prasadi Bhojkar	P. Bhojkar
13	Vinita Tjare	V. Tjare	43	Rishi Tiwari	R. Tiwari
14	Padilavi Nityware	P. Nityware	44	Dipali Chulpar	D. Chulpar
14	Sejal Borkunde	S. Borkunde	45	Mansi Bokde	M. Bokde
16	Neha Chopde	N. Chopde	46	Laxmi Shahare	L. Shahare
17	Kanchan Singh	K. Singh	47	Shruti Tiwari	S. Tiwari
18	Vedat Patwa	V. Patwa	48	Abhilasha Duddhachare	A. Duddhachare
19	Aniket Parchake	A. Parchake	49	Dhanashri Raghatare	D. Raghatare

20	Vaishnavi Meshram	V. Meshram	50	Shruti Daryodhan	S. Daryodhan
21	Mohit Bokde	M. Bokde	51	Ishant Nikare	I. Nikare
22	Tushar Bramhankar	T. Bramhankar	52	Savita Rao	S. Rao
23	Anshul Gour	A. Gour	53	Tanushree Banerjee	T. Banerjee
24	Nikita Raghuse	N. Raghuse	54	Riddhi Bhalekar	R. Bhalekar
25	Purva Bobde	P. Bobde	55	Neha Thakral	N. Thakral
26	Kshiti Bhoje	K. Bhoje	56	Rohit Bhopulkar	R. Bhopulkar
27	Vishaka Thakur	V. Thakur	57	Sneha Salwe	S. Salwe
28	Mrunali Thakare	M. Thakare			
29	Snusha Shingade	S. Shingade			
30	Nilesh Uparkar	N. Uparkar			

Dr. Mrs. S.D. Paranjik

Prof. R. N. Deshmukh


HEAD,
DEPARTMENT OF BOTANY
SSEA'S SCIENCE COLLEGE
NAGPUR

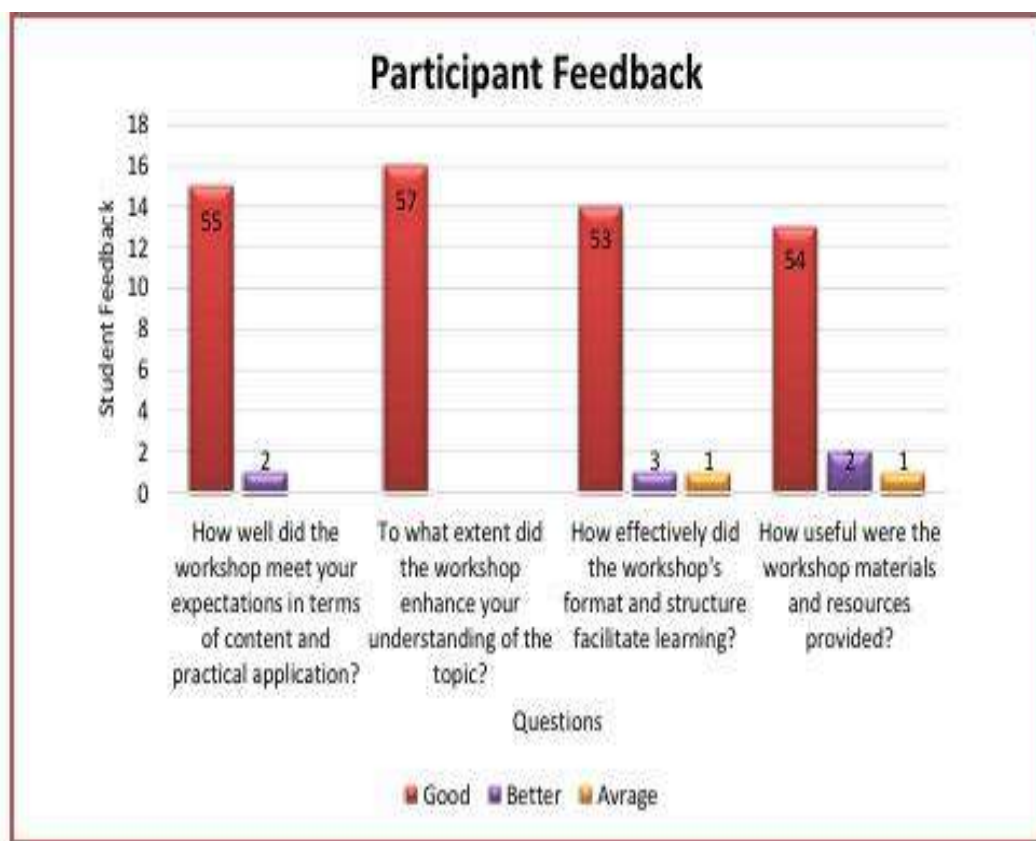
ACTION TAKEN REPORT

On August 14, 2019, the Department of Botany celebrated Eco-friendly Rakhi with great enthusiasm. The event, inaugurated by Dr. M.P. Dhore, Principal, aimed to promote environmental awareness through an exhibition of eco-friendly rakhis made from materials like dry fruits, biscuits, paper, grains, spices, chocolates, flowers, and leaves. The exhibition, guided by Dr. Mrs. S.D. Puranik and judged by Dr. Mrs. P.D. Burghate, saw participation from around 57 students. Notable winners in the Fresh Material category were Padmavati Dehury and Aarya Chavan, while Pallavi Nitnware, Parule Dhkate, and Vedat Patwa excelled in the Eco-friendly Material category. Consolation prizes were awarded to Vrunda Borkar and Ishant Nikure, and Rutik Wasnik received the Innovative Model award. The event highlighted students' creativity and commitment to environmental conservation.

FEEDBACK FORM

Sr. No.	Question	Response		
		Good	Better	Average
1)	How well did the workshop meet your expectations in terms of content and practical application?			
2)	To what extent did the workshop enhance your understanding of the topic?			
3)	How effectively did the workshop's format and structure facilitate learning?			
4)	How useful were the workshop materials and resources provided?			


Dr. Mrs. S.D. Puranik
Convener




Dr. Mrs. S.D. Puranik
 Convener


 Signature of IQAC Coordinator
 Internal Quality Assurance Cell
 (IQAC)
 S. S. E. S. Amravati's Science College
 Congress Nagar, Nagpur.




 Signature of Principal
 Principal
 S. S. E. S. Amravati's
 Science College, Nagpur.

ix) Green Festive Celebration

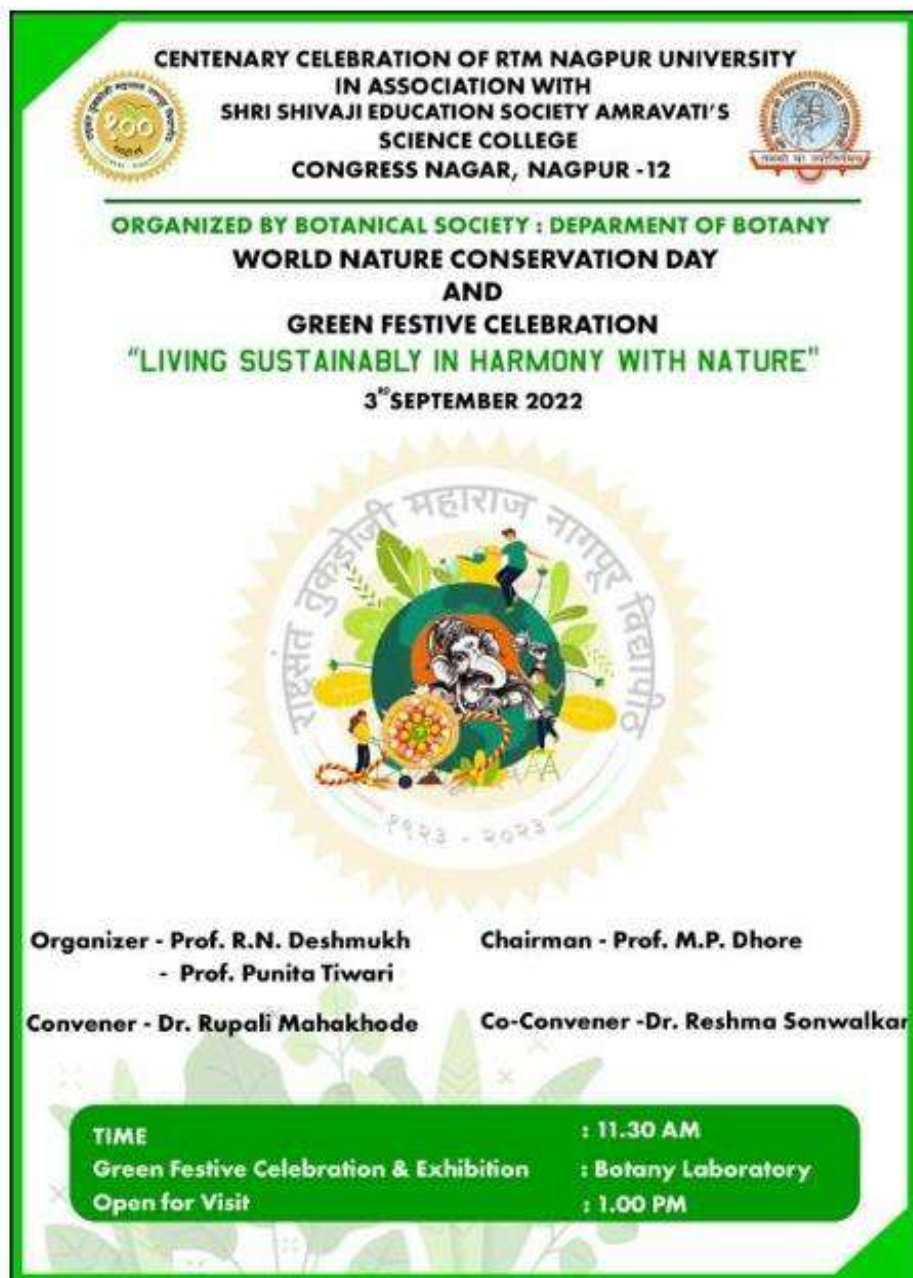
Shri Shivaji Education Society Amt's Science College, Congress Nagar, Nagpur

DEPARTMENT OF BOTANY

Organized

World Nature Conservation Day & Green Festive Celebration

Session 2022-2023



**CENTENARY CELEBRATION OF RTM NAGPUR UNIVERSITY
IN ASSOCIATION WITH
SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE
CONGRESS NAGAR, NAGPUR - 12**

**ORGANIZED BY BOTANICAL SOCIETY : DEPARTMENT OF BOTANY
WORLD NATURE CONSERVATION DAY
AND
GREEN FESTIVE CELEBRATION
"LIVING SUSTAINABLY IN HARMONY WITH NATURE"
3rd SEPTEMBER 2022**

**Organizer - Prof. R.N. Deshmukh
- Prof. Punita Tiwari**

Chairman - Prof. M.P. Dhore

Convener - Dr. Rupali Mahakhode

Co-Convener - Dr. Reshma Sonwalkar

TIME	: 11.30 AM
Green Festive Celebration & Exhibition	: Botany Laboratory
Open for Visit	: 1.00 PM

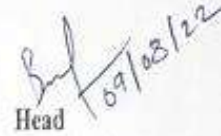
Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur

NOTICE

Date: 09/08/2022

All the students of B.Sc-I,II,III, are hereby informed that, Department of Botany will be organizing Exhibition on "Green Festive Celebration" to celebrate World Nature Conservation Day 2023 on the theme "Living Sustainably in Harmony with Nature" on 3rd September 2022. Interested students can participate in this competition. All information will be provided to the students (respective groups) and they are informed to give their names on or before 26th August 2022 to Dr.R.H. Mahakhode & Dr. R.P.Sonwalkar.


Convener
Dr.R.H.Mahakhode


Head
Dr.R.N.Deshmukh

**Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, Congress Nagar, Nagpur
Department of Botany
Organized
World Nature Conservation Day & Green Festive Celebration
On 3rd September 2022
Session 2022-2023**

REPORT

The Department of Botany, Shri Shivaji Science College, Nagpur celebrated "World Nature Conservation Day" on 3rd September 2022. The Theme of the World Nature Conservation Day 2022 is "Living Sustainably in Harmony with Nature." Considering the above theme in mind our department organized World Nature Conservation Day & Green Festive Celebration. The main aim of this day is to spread awareness regarding the protection of nature and biodiversity for a healthy environment which is required for prospering humankind by maintaining habitats, protecting biological diversity as well as preventing the misuse of resources. Twenty Nine students were participated in this exhibition.

Exhibition was inaugurated at the hands of Hon'ble Principal Prof. M. P. Dhore to motivate the young ignited minds. Prof. R.N.Deshmukh, Head, Dept. of Botany, always guide us to organized such activities in the department. Dr. Mrs. R.H. Mahakhode worked hard as a convener to success the event, Prof. P.S. Tiwari & Dr. R.P. Sonwalkar inspired the students to actively participate in the exhibition. We were very grateful to Prof. Y.K. Meshram and Prof. R.A. Deshmukh, Dept. of Chemistry for judged the competition.

Green Festive Celebration with biodegradable Rakhi & Ganpati that are organic and sustainable with zero load of plastic waste is Green Rakhi and Ganpati i.e. seeded & plantable one. Seeds symbolize new-life and prosperity and what best way to carry it. When worn out, tossed back to earth see them regrow into green pumpkin or bright chilly plant.

The purpose behind organizing Green Festive Celebration is to aware & motivates young minds to take care of nature as its sibling. Rakhi & plants according to Rashi & Scientists name is yet another way to draw the attention of students towards conservation of plants. Immersion of Green Ganpati idol with seeds may as new plant with blessings of Lord Ganesha. This exhibition is categorized into 3 zones i.e. Green Zodiac Bandhan, Green Ganesha and Vaidnyaanik Green Rakhi. Students made rakhi and Ganpati by using biodegradable materials like, soil, cotton,

threads, grains, papers, glue prepared from wheat grain, leaves, flowers, seeds of plants, food color etc. Seeds of various plants play a major role in making ecofriendly rakhi and Ganpati.

Green Zodiac Bandhan is auspicious for everyone. Students were selected some plants according to zodiac sign (Rashi) like *Osmium santum* (Tulsi) and Amla plants are lucky for the sign Gemini (Mithun rashi); Red roses, Red clover, Coriander, Red chilli plants for the sign Aries (Mesh rashi); Sunflower, Dahlia, Orange Marigold plants lucky for the sign Leo (Singh rashi); Catnip, *Aleo vera*, *Spinach*, Cloves, Ginger plants selected for the sign Aquarius (Kumbh rashi) etc. students used leaves (which is full of oxygen), Seeds (it can be germinate again), Flowers (for the colour and to decorate) and Roots (for making threads). According to sign people chosen the plant and take care of it by planting.

Ku. Madhavi Mohod, Ku. Gauri Nasare and Khushi Mishra got First, Second and Third Prize respectively for Green Zodiac Bandhan.

Green Ganesha is symbol of prosperity. On the occasion Ganesh festival students made amazing Ganpati idol by the biodegradable materials and embedded seeds of particular plant, vegetables and grains. The idea behind this to conserve the nature accordingly.

Ku. Chaitali Patil and Ku. Sejal Lende were First and Second winners for Green Ganesha competition.

In **Vaidnyaanik Green Rakhi** Plants like *Glycine max* (Soyabean), *Carica papaya* (Papaya), *Brassica nigra* (Black mustard), *Cicer arietinum* (Channa), *Pisum sativum* (Pea plant), *Carum carvi* (caraway), *Tamarindus indica* (Tamarind), *Trigonella foenum* (Methi), *Gossypium herbaceum* (Cotton), *Triticum aestivum* (Wheat) were selected by the students. Students gave scientist names and their discoveries to every plant and made beautiful rakhis by using different parts of these plants.

Ku. Payal Maraskolhe and Mr. Prash Waghmare got First and Second prize respectively for Vaidnyaanik Green Rakhi exhibition.

This activity creates awareness about the upgradation of environment and makes students and the society understand the natural healing process and provides a platform for students.

R. Mahakhode

Dr. Mrs. R.H. Mahakhode
Convener







Department of Botany
World Nature Conservation Day and Green Rakhi Celebration
Green Zorlaa Bandhan

Sr. No.	Name of Student	Plant	Meaning of Plant	Sign
1.	Angela Verbeke	Ardis	Hydnocarpus (Ardis)	<i>Angela</i>
2.	Vaidhvi Kulkarni	Banana	Musa sapientum (Banana)	<i>Vaidhvi</i>
3.	Swati Naidu	Gulab	Malva sylvestris (Gulab)	<i>Swati</i>
4.	Anushka Nair	Cashew	Anacardium occidentale (Cashew)	<i>Anushka</i>
5.	Nagani Bhatnagar	Lotus	Nelumbo speciosa (Lotus)	<i>Nagani</i>
6.	Vaidhvi Kulkarni	Vigna	Mimosa pudica (Vigna)	<i>Vaidhvi</i>
7.	Shubham Bhatnagar	Chrysanthemum	Chrysanthemum indicum (Chrysanthemum)	<i>Shubham</i>
8.	Prachi Kulkarni	Scilla	Coriandrum sativum (Scilla)	<i>Prachi</i>
9.	Medha Mishra	Sagebrush	Salvia officinalis (Sagebrush)	<i>Medha</i>
10.	Drashti Mishra	Capsicum	Anthurium indicum (Capsicum)	<i>Drashti</i>
11.	Yashika Mishra	Aquatic	Ceratophyllum demersum (Aquatic)	<i>Yashika</i>
12.	Charmaine Nair	Flower	Marigold (Flower)	<i>Charmaine</i>

Department of Botany
World Nature Conservation Day and Green Rakhi Celebration
Green Rakhi

Sr. No.	Name of the Student	Scientific Name	Plant Type	Sign
1.	Smita Ghosh	Artichoke	Cynara scolymus (Artichoke)	<i>Smita</i>
2.	Aparna Thakur	A.P. de Candolle	Celastrus paniculatus (A.P. de Candolle)	<i>Aparna</i>
3.	Alakshya Bhatnagar	Brassica	Brassica oleracea (Brassica)	<i>Alakshya</i>
4.	Prithi Waghmare	Geophyte	Geophyte (Geophyte)	<i>Prithi</i>
5.	Charvi Kulkarni	Geophyte (Geophyte)	Geophyte (Geophyte)	<i>Charvi</i>
6.	Pragathi Pothur	Geophyte	Geophyte (Geophyte)	<i>Pragathi</i>
7.	Shruti Kulkarni	Geophyte (Geophyte)	Geophyte (Geophyte)	<i>Shruti</i>
8.	Shruti Kulkarni	Geophyte (Geophyte)	Geophyte (Geophyte)	<i>Shruti</i>
9.	Prachi Kulkarni	Geophyte (Geophyte)	Geophyte (Geophyte)	<i>Prachi</i>
10.	Shruti Kulkarni	Geophyte (Geophyte)	Geophyte (Geophyte)	<i>Shruti</i>

Department of Botany
World Nature Conservation Day and Green Rakhi Celebration
Session 2022-23
Green Ganesha

Sr. No.	Name of Students	Signature
1.	Devendra Gali	<i>Devendra</i>
2.	Ashish Bhatnagar	<i>Ashish</i>
3.	Sajal Lende	<i>Sajal</i>
4.	Charvi Puri	<i>Charvi</i>
5.	Sneha Shingade	<i>Sneha</i>
6.	Tanushree Dandekar	<i>Tanushree</i>
7.	Yashashree Ghawade	<i>Yashashree</i>

R.H. Mahakhode

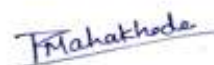
Dr. Mrs. R.H. Mahakhode
Convener

ACTION TAKEN REPORT

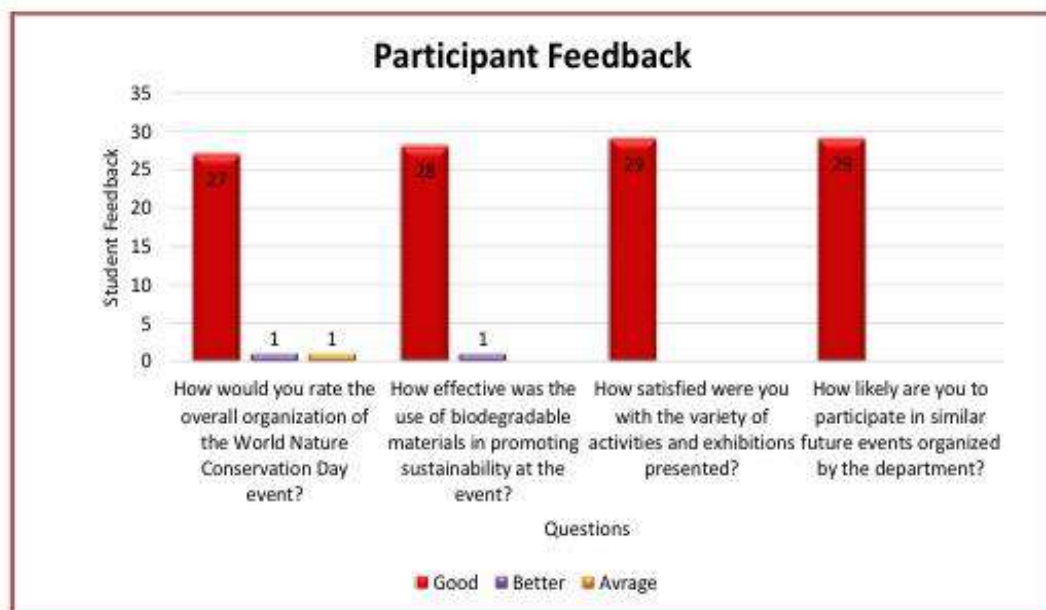
On September 3, 2022, the Department of Botany, Shri Shivaji Science College, Nagpur celebrated World Nature Conservation Day with a "Green Festive Celebration" under the theme "Living Sustainably in Harmony with Nature." The event featured an exhibition with three zones: Green Zodiac Bandhan, Green Ganesha, and Vaidnyaanik Green Rakhi. Inaugurated by Prof. M.P. Dhore, the exhibition showcased biodegradable Rakhi and Ganpati made from eco-friendly materials and embedded with plant seeds. Total Twenty nine were students participated. Winners were recognized for their contributions in each category, promoting environmental awareness and sustainable practices among students.

FEEDBACK OF STUDENTS (Workshop Experience)

Sr. No.	Question	Response		
		Good	Better	Average
1)	How would you rate the overall organization of the World Nature Conservation Day event?			
2)	How effective was the use of biodegradable materials in promoting sustainability at the event?			
3)	How satisfied were you with the variety of activities and exhibitions presented?			
4)	How likely are you to participate in similar future events organized by the department?			



Dr. Mrs. R.H. Mahakhode
Convener



Dr. Mrs. R.H. Mahakhode

Dr. Mrs. R.H. Mahakhode
Convener

Dr. R.H. Mahakhode

Signature of IQAC Coordinator
Internal Quality Assurance Cell
(IQAC)

S.S.E.S.A. Science College
Congress Nagar, Nagpur



S.S.E.S.A.


Signature of Principal
Principal

S.S.E.S.A. Amravati's
Science College, Nagpur.



x) *Ethno Phyto Expo*

Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur

DEPARTMENT OF BOTANY
Organized
ETHNO-PHYTO EXPO on 27th April 2022
Exhibition on Medicinal Plants & its Products
Session 2021-2022




Shri Shivaji Education Society Amravati's
Science College
Congress Nagar, Nagpur-12
Accredited with a CGPA of 3.51 with 'A+' grade by NAAC Bengaluru
A College with Potential for Excellence
Member of APQN Recognized Centre for higher learning
A Mentor College under UGC Paramarsh Scheme

BOTANICAL SOCIETY
Department of Botany
Organizes
ETHNO-PHYTO-EXPO
अशक्यं प्रकृतैः जीवनम् |

27th April 2022

Chief Guest
Prof. N.M.Dongarwar
Professor & Head
Department of Botany, PGTD, RTMNU, Nagpur

Organizer Prof. R.N.Deshmukh Head	Chairman Prof. M.P.Dhore Principal	Convener Dr. Rupali Mahakhode
Co-Convener Prof. Punita Tiwari		Supporting Staff Dr. Reshma Sonwalkar Ms. Monali Bulkunde

Time: 11 am
Exhibition:
Inauguration & Prize distribution:

Venue:
Botany Lab
Conference hall

OPEN FOR VISIT: 12:30 pm onwards

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, Congress Nagar, Nagpur
Department of Botany
Organized
ETHNO-PHYTO EXPO on 27th April 2022
Exhibition on Medicinal Plants & its Products
Session 2021-2022

=====

REPORT



Department of Botany, Shri Shivaji Science College, Nagpur organized an exhibition entitled “**ETHNO-PHYTO EXPO**” on 27th April 2022. Twenty one students were participated in exhibition. For this exhibition students collected over 40 different varieties of medicinal plants based on medicative properties & its products. The exhibition was divided into many zones i.e. Aromatic station, Wild plant station, Spice Station, Hydro station and Herbs station. The exhibition was inaugurated at the hands of Hon. Prof. N.M. Dongarwar, Dept. of Botany, PGTD, RTM Nagpur University, Nagpur by scanning the QR code prepared by the students as “**Exhibition at a Glance**”. Hon. Prof. M.P. Dhore, Principal was present as chairman of the function. Prof.R.N.Deshmukh, Head, Dept. of Botany, Dr. Mrs. R.H. Mahakhode, Convener and Prof. Mrs. P.S. Tiwari, Co-convener of the programme were present on the occasion. Prof. Mrs. R.D. Urkude and Prof. Mrs. R.A. Deshmukh were judged the exhibition. The techno savy generation of the department prepared QR code for the exhibition shows “exhibition at a glance” and every plant has its own QR code.

The winners of the exhibition were Samiksha Admane & Padmavati Dehury from Wild Plant Station Abhilasha Dudhpachare & Akshay Bhatkulkar from Hydro Station Yash Mahule & Aditi Giri from Spice Station Palak Mehta & Itisha Mothghare from Herb Station Aryan Bhothmange & Madhavi Mohod from Medicinal Station Tushar Mhashakhatri & Nidhi Manwatkar from Aromatic Station. Students and staff from other colleges and parents also visited the exhibition.

The Chief Guest of the program Prof. N.M. Dongarwar, addressed the gathering and enlightens the budding minds of students. He recalled “Aajibai cha Batua” during the exhibition. He congratulated the students for organizing such a nice and rare medicinal plant exhibition.

Prof. M.P. Dhore, Principal also appreciated efforts of the students for the success of the exhibition. He gave the message to the students that they realized the importance of conservation of plant. He urged to the students to grow at least one plant in a year by individual and conserve it properly.

Prof. R.N. Deshmukh, Head, Dept. of Botany also spoke on this occasion and focused on recent IPCC report 2022 and encouraged the students for reduction of carbon emission of using renewable energy sources like solar or wind energy by avoiding fossil fuel consumption.

Dr. R.H. Mahakhode, convener of the programme guided the young minds to understand the true meaning of sustainability and also to inculcate environment-friendly habits to lead a green lifestyle. She urged the students to take adequate steps for conservation of endangered plants.

Dr. Mrs. R.P. Sonwalkar, Ms. Monali Bulkunde was present on the occasion and students were taken pain taking efforts for the success of event. The programme was conducted by Ku. Sakshi Patil and Ku. Avanti Pusdekar. Ku. Vasu Madekar proposed the vote of thanks.



ETHNO-PHYTO-EXPO 2021-22

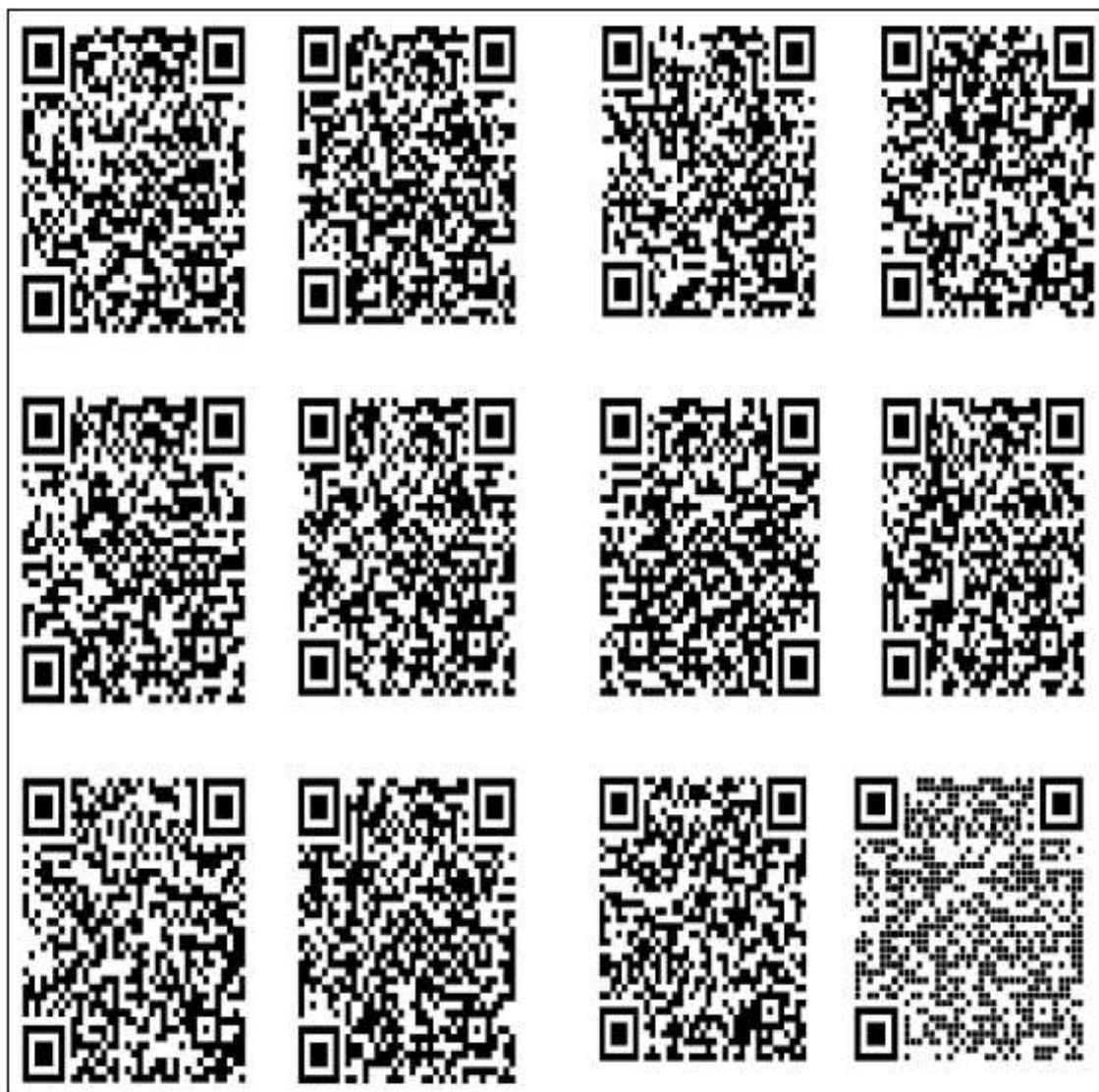
Exhibition on Medicinal Plants & its Products



ETHNO-PHYTO-EXPO 2021-22

Exhibition on Medicinal Plants & its Products



ETHNO-PHYTO-EXPO 2021-22**Exhibition on Medicinal Plants & its Products****QR code "Exhibition at a Glance"**

ATTENDANCE

Sr. No.	Name of Student	Plant Name
AROMATIC STATION		
1	Falguni Shivare	<i>Asparagus racemosus</i>
2	Falguni Shivare	<i>Rauvolfiaserepentina</i>
3	Nidhi & Tushar	Chandan
HERB STATION		
1	Aryan Bhotmange	<i>Aegle marmelos</i>
2	Chaitali Patil	<i>Bryophyllumpinnatum</i>
3	Itisha Motghare	<i>Clitoria</i>
4	Madhavi Mohod	<i>Ficus racemose</i>
5	Neha Chopde	<i>Carom</i>
6	Palak Mehta	<i>Liquor rice</i>
7	Sakshi Mohite	<i>Neem</i>
8	Savita Rao	<i>Aloe vera</i>
9	Thorvi Kubde	<i>Adhatoda</i>
10	Thorvi Kubde	<i>Cissus quadrangularis</i>
HYDRO STATION		
1	Abhilasha Dudpachare	<i>Pistia</i>
2	Akshay Bhatkulkar	<i>Typha</i>
SPICES STATION		
1	Aditi Giri	Bay leaf
2	Ayushi Hedau	<i>Fenugrek</i>
3	Sejal Nilatkar	<i>Turmeric</i>
4	Yash Mahule	<i>Clove</i>
WILD STATION		
1	Padmabati Dehury	<i>Euphorbia hirta</i>
2	Samiksha Admane	<i>Tridax procumbens</i>


 Dr. R.H. Mahakhode
 Convener

ATTENDANCE

Sr. No.	Name of Student	Plant Name	Signature
AROMATIC STATION			
1	Falguni Shivar	<i>Asparagus racemosus</i>	<i>Falguni Shivar</i>
2	Falguni Shivar	<i>Rauvolfia serpentina</i>	<i>Falguni Shivar</i>
3	Nidhi & Tushar	Chandan	<i>Nidhi & Tushar</i>
HERB STATION			
1	Aryan Bhotmange	<i>Aegle marmelos</i>	<i>Aryan Bhotmange</i>
2	Chaitali Patil	<i>Bryophyllum pinnatum</i>	<i>Chaitali Patil</i>
3	Itisha Motghare	<i>Clitoria</i>	<i>Itisha Motghare</i>
4	Madhavi Mohod	<i>Ficus racemosa</i>	<i>Madhavi Mohod</i>
5	Neha Chopde	Carom	<i>Neha Chopde</i>
6	Palak Mehta	Liquor rice	<i>Palak Mehta</i>
7	Sakshi Mohite	Neem	<i>Sakshi Mohite</i>
8	Savita Rao	<i>Aloe vera</i>	<i>Savita Rao</i>
9	Thorvi Kubde	<i>Adhatoda</i>	<i>Thorvi Kubde</i>
10	Thorvi Kubde	<i>Cissus quadrangularis</i>	<i>Thorvi Kubde</i>
HYDRO STATION			
1	Abhilasha Dudpachare	<i>Pistia</i>	<i>Abhilasha Dudpachare</i>
2	Akshay Bhatkulkar	<i>Typha</i>	<i>Akshay Bhatkulkar</i>
SPICES STATION			
1	Aditi Giri	Bay leaf	<i>Aditi Giri</i>
2	Ayushi Hedau	<i>Fenugreek</i>	<i>Ayushi Hedau</i>
3	Sejal Nilatkar	<i>Turmeric</i>	<i>Sejal Nilatkar</i>
4	Yash Mahule	Clove	<i>Yash Mahule</i>
WILD STATION			
1	Padmabati Dehury	<i>Euphorbia hirta</i>	<i>Padmabati Dehury</i>
2	Samiksha Admane	<i>Tridax procumbens</i>	<i>Samiksha Admane</i>

*R.H. Mahakhode*Dr. R.H. Mahakhode
Convener

ACTION TAKEN REPORT

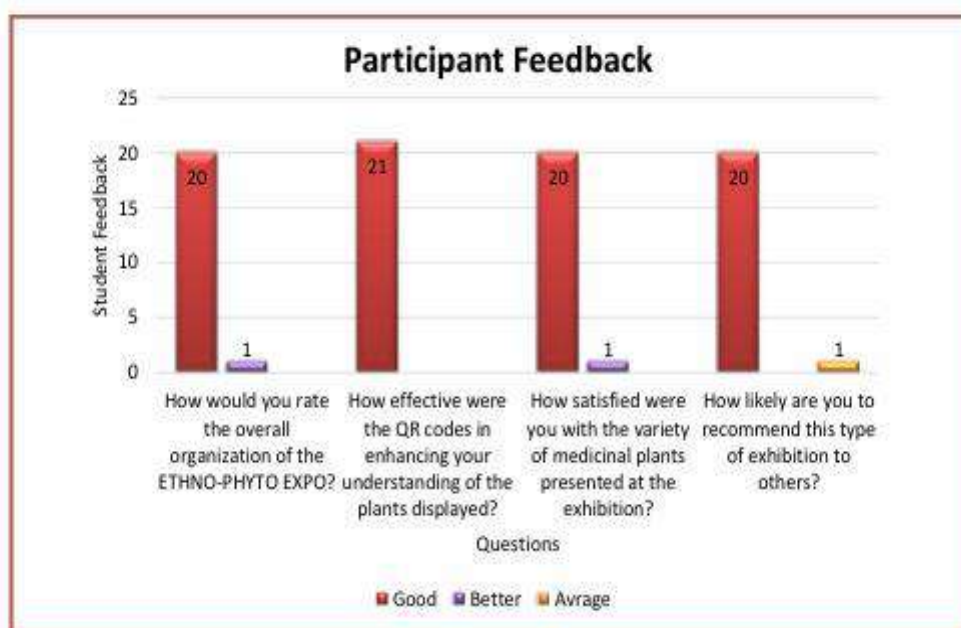
On April 27, 2022, the Department of Botany at Shri Shivaji Science College organized the "ETHNO-PHYTO EXPO," showcasing over 40 varieties of medicinal plants. Twenty one students were participated in exhibition. The exhibition, featuring zones like Aromatic, Wild Plant, Spice, Hydro, and Herbs stations, was inaugurated by Hon. Prof. N.M. Dongarwar from RTM Nagpur University. The event included QR codes for each plant and an "Exhibition at a Glance" QR code. Winners from each station were recognized, and the event attracted visitors from other colleges and parents. Chief Guest Prof. Dongarwar praised the students for their efforts, while Principal Prof. M.P. Dhore emphasized plant conservation. Prof. R.N. Deshmukh discussed the IPCC 2022 report, and Dr. R.H. Mahakhode highlighted sustainability and conservation. The program, conducted by Ku. Sakshi Patil and Ku. Avanti Pusdekar, concluded with a vote of thanks by Ku. Vasu Madekar.

FEEDBACK OF STUDENTS (Workshop Experience)

Sr. No.	Question	Response		
		Good	Better	Average
1)	How would you rate the overall organization of the ETHNO-PHYTO EXPO?			
2)	How effective were the QR codes in enhancing your understanding of the plants displayed?			
3)	How satisfied were you with the variety of medicinal plants presented at the exhibition?			
4)	How likely are you to recommend this type of exhibition to others?			

R.H. Mahakhode

Dr. R.H. Mahakhode
Convener



Mahakhode

Dr. R.H. Mahakhode
Convener

R.H. Mahakhode
Signature of IQAC Coordinator
Internal Quality Assurance Cell
(IQAC)
S. S. E. S. Amravati's Science College
Congress (Nagpur, Nagpur)



Shinde
Signature of Principal
Principal
S. S. E. S. Amravati's
Science College, Nagpur.

xi) Water Conservation

ACTIVITY: "Awareness about Water conservation" through rangoli competition Green club students of Shri Shivaji Science College, Congress nagar, Nagpur participated in "Awareness about Water conservation" through rangoli competition on dated 24/12/2023.

Green club coordinator

Dr R P Sonwalkar



xii) World Nature Conservation Day

Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur
DEPARTMENT OF BOTANY
 Organized
ONLINE INTERCOLLEGIATE COMPETITION
ON THE OCCASION OF WORLD NATURE CONSERVATION DAY -2021

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE
 Congress Nagar, Nagpur.
 Presents

INTERCOLLEGIATE COMPETITION
 On occasion of
WORLD NATURE CONSERVATION DAY - 2021

ORGANIZER
 DEPARTMENT OF
BOTANY
 28th July, 2021

Under
 Green
 Initiatives
 DEPARTMENT OF
BOTANY

THEME : YOUR PERSPECTIVES AS A 'NATURE CONSERVER'

Rules & Regulations

1. All UG students are welcomed to participate in this competition.
2. Participants can only use their own creative ideas and knowledge suitable to theme.
3. The composition should include maximum 250 to 300 words and should be strictly typed on MS office in English only.
4. After completing your composition please kindly check it for plagiarism as plagiarized contents will be disqualified.
5. Cash Prizes will be given to top 3 compositions in order
 1st - 700/- ; 2nd - 500/- ; 3rd - 300/-
7. All Participants will receive E- certificates of participation.
8. All students are requested to get their self registered for the competition by using the registration link provided.
9. Please note that link for joining Whatsapp group will also be provided on the registration form, kindly click on it to join the group for further communication.
10. Please note that the link for submission of Document is also provided in the registration form, you have to upload your file along with your registration details till 28th July, 5:00 pm, strictly as after that no participant will be entertained. The results will be declared on 30th July, 2021.

Prof. M.P. Dhore
 Principal
 SSES Amravati's Science College,
 Nagpur

Prof. R.N. Deshmukh
 Convener and Head
 Dept. of Botany

Dr. R.H. Mahakhode
 Organizing secretary

Prof. P.S. Tiwari
 Co-Organizing secretary

Registration Link : [CLICK HERE FOR REGISTRATION / OR SCAN QR CODE](#)

Please fill your correct details. Put the mobile number which is used by you for online transactions. The cash prizes will be distributed via,

BHIM PAYTM

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, Congress Nagar, Nagpur
DEPARTMENT OF BOTANY
Organized
Online Intercollegiate Competition
World Nature Conservation Day on 28th July 2021
Theme: Your Perspectives as a 'Nature Conserver'
Session 2021-2022

=====

REPORT



An intercollegiate competition on the occasion of World Nature Conservation Day – 2021 on 28th July, 2021 was organized by Department of Botany, SSES Amravati's Science College, Congress Nagar, Nagpur under the "Green Initiatives by Department of Botany". The theme of the competition was 'Your Perspectives as a 'Nature Conserver'. The Students from different colleges have participated in the competition. Total 60+ students participated in the competition.

After the competition the 3 winners of quiz, awarded with a certificate and cash prizes of 700/-, 500/- and 300/- each with two consolation prizes of 100/- each. Participation certificates were distributed among all the participants of the competition.

Winners of the Competition

1st Winner – Mr. Atharva Wankhede (Shri Shivaji Science College, Nagpur)

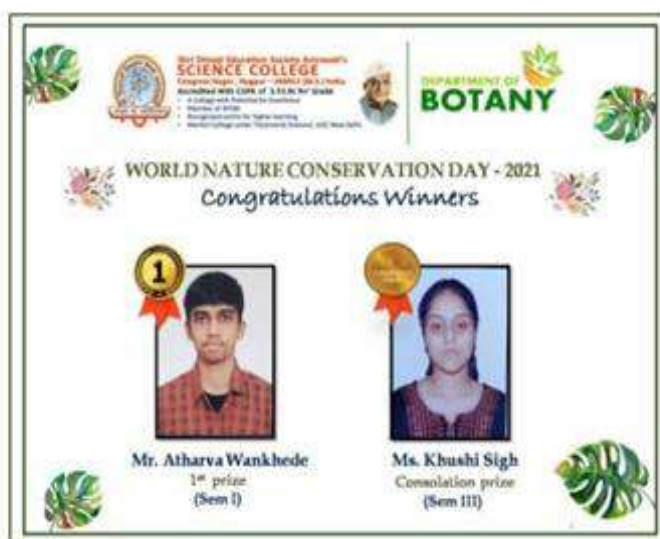
2nd Winner – Ku. Pranshi Sharma (Santaji Mahavidyalaya, Nagpur)

3rd Winner – Ku. Shradha RD (S.K. Porwal College, Kamptee)

Consolation prize – Ku. Riya Shiwankar (J. M. Patel College of Bhandara)

Consolation prize – Ku. Khushi Singh (Shri Shivaji Science College, Nagpur)

ONLINE INTERCOLLEGIATE COMPETITION
ON THE OCCASION OF WORLD NATURE CONSERVATION DAY -2021



ONLINE INTERCOLLEGIATE COMPETITION
ON THE OCCASION OF WORLD NATURE CONSERVATION DAY -2021

List of Participants

1.	Khushi veerbahadur singh	BS.c-Iyear	8308992386
2.	Sakshi Ravindra Sakhare	BS.c-Iyear	9156650338
3.	Sakshi Prashant Bhonde	BS.c-Iyear	7276477180
4.	Sakshi prashant bhonde	BS.c-Iyear	7276477180
5.	Gouri Prashant Panchbudhe	BS.c-Iyear	+917887332373
6.	Anushka Prashant Khurge	BS.c-Iyear	7387128066
7.	Praniti Jagdish Mohadikar	BS.c-Iyear	8208982870
8.	Bhairavi mohanrao nikhare	BS.c-Iyear	9923399224
9.	Sakshi Mahale	BS.c-Iyear	7249395969
10.	Pragati Sunil Borkar	BS.c-Iyear	+9146499685
11.	Somiya khan	BS.c-Iyear	7020144677
12.	Isha Sukhdeo Sarwe	BS.c-Iyear	7378904752
13.	ChetanVasudeoDhote	BS.c-Iyear	9028601035
14.	KiranSunilDhenge	BS.c-Iyear	9657647464
15.	ShaliniVinodkumarBharti	BS.c-Iyear	9370554194
16.	AtharwaShiokumarWankhade	BS.c-Iyear	9112347923
17.	VishakhaIndrapalNinawe	BS.c-Iyear	8668551273
18.	VaideheePrakashBawankar	BS.c-Iyear	7447377135
19.	Tanushreerupeshraohajare	BS.c-Iyear	8446560170
20.	RiddhiRajeshDesai	BS.c-Iyear	9923020425
21.	JanhviSanjayDhote	BS.c-Iyear	9922111058
22.	AshleshaAvinashJadhav	BS.c-Iyear	9145765459
23.	SakshiLalitDhapke	BS.c-Iyear	9307243146
24.	VaijantiAnilNagpure	BS.c-Iyear	7057774112
25.	MohitRamnathkhade	BS.c-Iyear	8605092202
26.	PransheePradeep Sharma	BS.c-Iyear	9552860293
27.	ChaitaliSandeep Patil	BS.c-Iyear	8855977972
28.	SrushtiManikTamgadge	BS.c-Iyear	7972309728
29.	ShishikaRameshWankhede	BS.c-Iyear	9607214988
30.	VaidehiChandrakantPawar	BS.c-Iyear	9665759437
31.	KetkiNareshSonkusare	BS.c-Iyear	9665425421
32.	MahakRatnakarSatpute	BS.c-Iyear	9172750165

33.	Komalliladharkhobragade	BS.c-Ilyear	7774909314
34.	TanviRavindraAdmane	BS.c-Iyear	8767706460
35.	VedantSudhirBhongade	BS.c-Ilyear	7083699130
36.	VaishnaviDiliproaKukde	BS.c-Ilyear	8999832099
37.	PriyankaSanjayShingandhupe	BS.c-IIIyear	8208730761
38.	Deveshripanjabraokhawshi	BS.c-Iyear	9325745210
39.	LaxmikumariRamkumarKashyap	BS.c-IIIyear	7387219736
40.	AyushiAdhikeshRai	BS.c-Ilyear	9425889149
41.	GauravRamteke	BS.c-IIIyear	9834452311
42.	SakshiOmprakash Sharma	BS.c-Ilyear	8788282680
43.	ZainabMotorwala	BS.c-Iyear	09421695580
44.	Pratikshachandrashekharucchsare	BS.c-Ilyear	8623027145
45.	AnushkaAnandkumarKhare	BS.c-Ilyear	8766991221
46.	PadmabatiAshokKumarDehury	BS.c-IIIyear	09130778411
47.	SrushtiSiddharth sontakke	BS.c-Iyear	9922262558
48.	TanayaPravinChipate	BS.c-Iyear	8767181179
49.	AditiAmitJain	BS.c-Ilyear	9326969446
50.	Palak.Kalpesh.Mehta	BS.c-Ilyear	9373102020
51.	DikshitaRamdasGalbale	BS.c-Ilyear	9373768778
52.	ShivamAtulDekapurwar	BS.c-Ilyear	8856947698
53.	ApurvaAshok Singh	BS.c-Ilyear	9422007374
54.	MrunmayeeSunilBendre	BS.c-Iyear	8600512602
55.	AkshayShridharBhatkulkar	BS.c-Ilyear	7030429972
56.	ParthLilaramLuche	BS.c-Iyear	8767312431
57.	AyushiLaxmikantHedau	BS.c-Ilyear	9766208802
58.	SakshiMankar	BS.c-IIIyear	7776970742
59.	SampadaVikas Bunde	BS.c-Iyear	9822737835
60.	JinishaDewajibhujade	BS.c-Iyear	8766098513
61.	AdityaBhagwanWadibhasme	BS.c-Iyear	8793676679
62.	LekhitaRameshwarKhobragade	BS.c-Ilyear	8766700238

R.H. Mahakhode

Dr. R.H. Mahakhode
Organizing Secretary

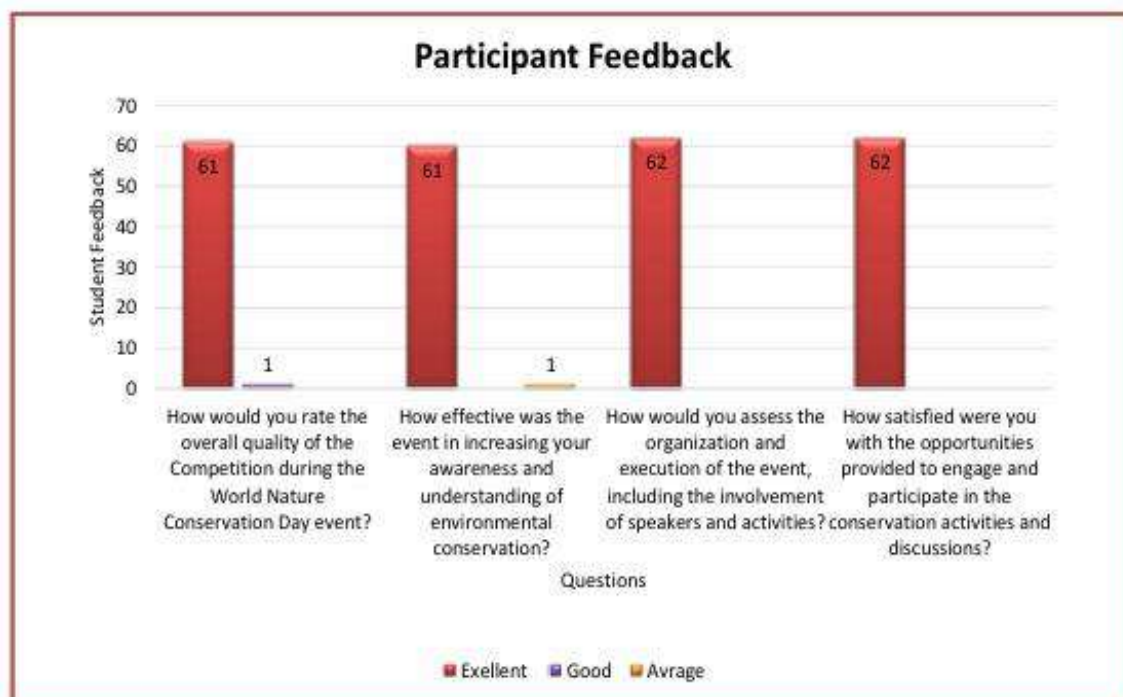
ACTION TAKEN REPORT

The Department of Botany, SSES Amravati's Science College, Nagpur, organized an intercollegiate competition on World Nature Conservation Day on 28th July 2021, themed 'Your Perspectives as a Nature Conserver'. About 62 participants were participated across from various colleges in the event. Winners were awarded cash prizes and certificates, with Mr. Atharva Wankhede (Shri Shivaji Science College) securing 1st place, Ku. Pranshi Sharma (Santaji Mahavidyalaya) 2nd, and Ku. Shradha RD (S. K. Porwal College) 3rd. Consolation prizes went to Ku. Riya Shiwankar (J. M. Patel College) and Ku. Khushi Singh (Shri Shivaji Science College). All participants received certificates.

FEEDBACK OF STUDENTS (Workshop Experience)

Sr. No.	Question	Response		
		Good	Better	Average
1)	How would you rate the overall quality of the Competition during the World Nature Conservation Day event?			
2)	How effective was the event in increasing your awareness and understanding of environmental conservation?			
3)	How would you assess the organization and execution of the event, including the involvement of speakers and activities?			
4)	How satisfied were you with the opportunities provided to engage and participate in the conservation activities and discussions?			


Dr. R.H. Mahakhode
Organizing Secretary



Mahakhode

Dr. R.H. Mahakhode
Organizing Secretary

Alka Halder

Signature of IQAC Coordinator
Internal Quality Assurance Cell
(IQAC)
S.S.E.S.A. Science College
Nagpur (Approved by the S.S.E.S.A. College Council)



nohori

Signature of Principal
Principal
S. S. E. S. Amravati's
Science College, Nagpur.



Shri Shivaji Education Society Amravati's

SCIENCE COLLEGE

Congress Nagar, Nagpur - 440012 (M.S.) India.

Accredited with CGPA of 3.51 at 'A+' grade

A College with Potential for Excellence, Member of APQN

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A Mentor College under UGC Paramarsh Scheme



DEPARTMENT OF BOTANY

Organizes

WORLD NATURE CONSERVATION DAY

2019-2020



Workshop on 'Seed Ball Technique & Miniature Garden'

Chief Guest

Hon. Prof. Anjali Phaley,

Department of Biology,

L.A.D. College, Nagpur

Organizer

Prof. R.N. Deshmukh

Head

Chairman

Prof. M.P. Dhore

Principal

Convener

Dr. R.H. Mahakhode

Supporting Staff

Dr. Mrs. P.S. Tiwari

Dr. Mrs. S.D. Puranik

Mr. Manish Chinchmalatpure

Mrs. Sharayu Deshmukh



DATE : 30TH JULY 2019

VENUE: CONFERENCE HALL, SHRI SHIVAJI SCIENCE COLLEGE, NAGPUR

Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur

Department of Botany

NOTICE

Date: 20/07/2019

All the students of B.Sc.-I,II,III, are hereby informed that, Department of Botany will be organizing Workshop on “**Seed Ball Technique and Miniature Garden**” and Guest Lecture on the topic “**Conservation is today's need**” to celebrate World Nature Conservation Day on 30th July 2019. All are informed to attend the same.



Convener

Dr. R.H. Mahakhode



Head

Dr. R.N. Deshmukh

HEAD
DEPARTMENT OF BOTANY
SHRI SHIVAJI EDUCATION SOCIETY
AMRAVATI'S SCIENCE COLLEGE
CONGRESS NAGAR, NAGPUR

**Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, Congress Nagar, Nagpur
Department of Botany
Organized
WORLD NATURE CONSERVATION DAY on 30th JULY 2019
Session 2019-2020**

REPORT

The Department of Botany, Shri Shivaji Science College, Nagpur celebrated "World Nature Conservation Day" on 30th July 2019. The programme was inaugurated at the hands of Hon. Prof. Anjali Phaley, Dept. of Biology, L.A.D. College, Nagpur. Hon. Dr.M.P.Dhore, Principal was present as chairman of the function. Dr.R.N.Deshmukh, Head, Dept. of Botany, Dr.R.H.Mahakhode, Convener of the programme were present on the occasion. All guest and students had taken a oath during the ceremony.

Prof. Anjali Phaley delivered a power point presentation on the topic "Conservation is today's need". She advised the students to be a part of nature. She emphasized the importance of water conservation. In her speech she stressed that forest improves the quality of water and air. They also help to keep the atmosphere cool. She pointed out that human being have negatively impacted the environment through deforestation and depletion of natural resources for industrialization. This has led to reduce supply of oxygen on the earth.

Prof. Phaley conducted the workshop on 'Seed Ball technique and Miniature Garden' to conserve the forests. She developed a miniature garden to demonstrate forest conservation. The students really enjoyed the workshop and learnt about forest conservation.

Dr.M.P.Dhore, Principal focused on the water crisis situation in Nagpur. Water is life and it is precious to save water and save forests. He gave this message to the students realized the importance of conservation of water and have pledged to conserve water and use it scarcely.

Dr.R.N.Deshmukh, Head, Dept. of Botany also spoken on this occasion. In his address, he appealed the students to grow at least one plant and conserve it properly and gave importance of conservation of nature by giving simple tips and further said that the third world war does not occur for water crisis but nature will gradually deteriorate due to over exploitation of the resources.

Dr.R.H.Mahakhode, convener of the programme guided to the young ignited minds to understand the truly meaning of sustainability and also to inculcate environment-friendly habits to lead a green lifestyle.

Dr.Mrs.P.S.Tiwari, Dr.Mrs.S.D.Puranik, Mr.Manish Chinchmalatpure and Mrs.Sharayu Deshmukh were present on the occasion and students were taken pain taking efforts for the success of event.

The programme was conducted by Tanushree Banerjee and Ku. Prachi Satke, Ku. Alolika Ray proposed the vote of thanks.



Latitude: 21.128076
Longitude: 79.082306
Elevation: 298.89m
Accuracy: 10.7m
Time: 07-30-2019 12:43

Guest lecture on "Conservation is today's need"

Prof. Anjali Phaley delivered a lecture on "Conservation is today's need"



Dr.M.P.Dhore, Principal addressing the students about the importance of conservation of water

**One Day Workshop on
Seed Balls Technique & Miniature Garden**



Mahakhode

Convener

Dr. Mrs. R.H. Mahakhode

Shri Shivaji Education Society Amravati's SCIENCE COLLEGE, Congress Nagar, Nagpur

Department of Botany
Organized
WORLD NATURE CONSERVATION DAY on 30th JULY 2019
List of Students

Sr. No.		Name of Students	Signature
1	Ku	Admane Samiksha	
2	Ku	Anantwar Pranjal	
3	Ku	Armarkar Khushi	
4	Ku	Borkar Vrunda	
5	Ku	Bhude Dhanashree	
6	Ku	Bokde Mansi	
7	Ku	Bulkunde Sejal	
8	Ku	Chaturvedi Anchal	
9	Ku	Chopde Neha	
10	Ku	Chaudhari Nidhi	
11	Ku	Chauhan Anjali	
12	Ku	Chavhan Aarys	
13	Ku	Fulzele Sakshi	
14		Gaikwad Snehal	
15	Ku	Gawande Ishwarina	
16	Ku	Gajbe Mangon	
17	Ku	Gawande Kalyani	
18		Gour Anshul	
19	Ku	Jadhav Riya	
20	Ku	Jagtap Vaishnavi	
21	Ku	Jadhav Payal	
22		Jaronde Vaibhav	
23	Ku	Jagi Sanket	
24		Kambl Sanket	
25	Ku	Kandrikar Rutika	
26	Ku	Mahant Pranjali	
27	Ku	Manwatkar Nidhi	
28	Ku	Mase Shweta	
29		Mhashakhetri Tushar	
30	Ku	Meshram Ruruja	
31	Ku	Nannawre Vaishnavi	
32		Ninawe Harsh	
33	Ku	Nishane Samiksha	
34	Ku	Meshram Ruruja	
35	Ku	Nannawre Vaishnavi	
36	Ku	Patrale	
37	Ku	Patwa	
38	Ku	Raghelate	
39	Ku	Shende	
40	Ku	Wagh Asmita	
41		Wasnik Rutik	
42	Ku	Waghmare Dhanshika	
43	Ku	Yelekar Radha	
44	Ku	Zile Janhavi	
45	Ku	Bhanga Pratiksha	

ACTION TAKEN REPORT

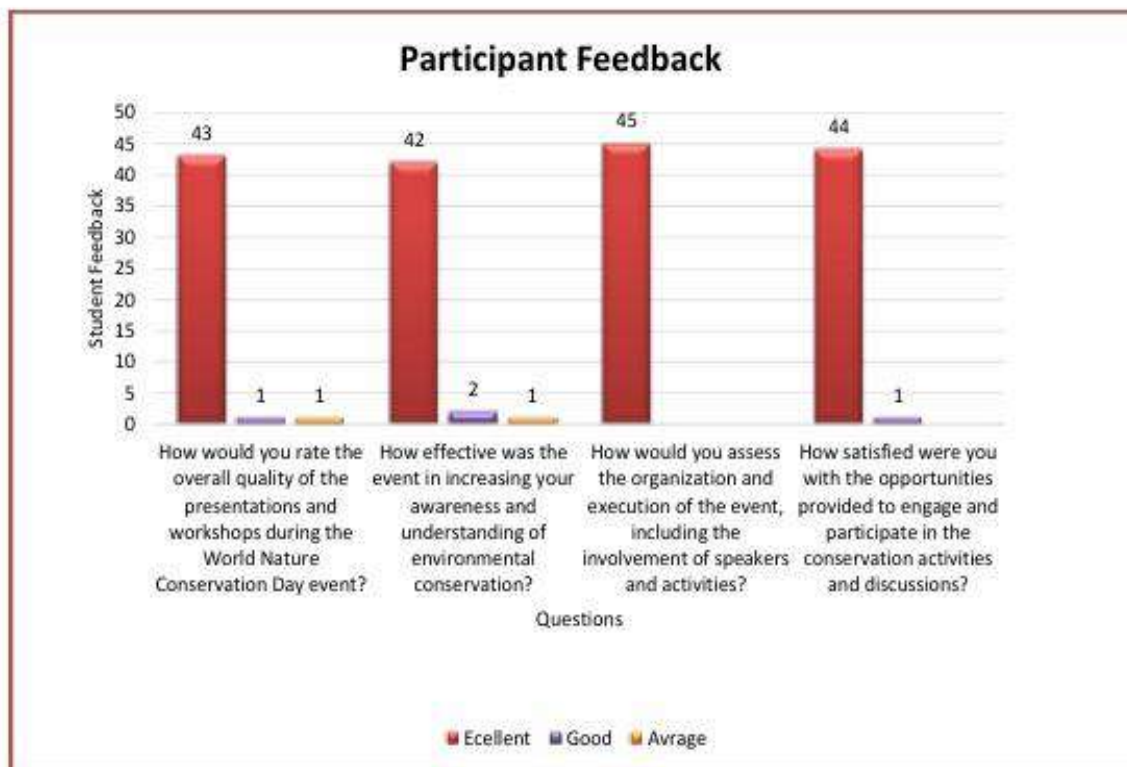
On July 30, 2019, Department of Botany, Shri Shivaji Science College, Nagpur marked World Nature Conservation Day with a program featuring Prof. Anjali Phaley's presentation on conservation and a Seed Ball technique workshop. Total 45 students were participated in this event. Dr. M.P. Dhore, Principal highlighted water conservation and focused on the water crisis situation in Nagpur while Dr. R.N. Deshmukh and Dr. R.H. Mahakhode urged students to engage in environmental protection. The event, conducted by Tanushree Banerjee and Prachi Satke, concluded with a vote of thanks from Alolika Ray. Faculty and students actively participated in promoting sustainability.

FEEDBACK OF STUDENTS (Workshop Experience)

Sr. No.	Question	Response		
		Good	Better	Average
1)	How would you rate the overall quality of the presentations and workshops during the World Nature Conservation Day event?			
2)	How effective was the event in increasing your awareness and understanding of environmental conservation?			
3)	How would you assess the organization and execution of the event, including the involvement of speakers and activities?			
4)	How satisfied were you with the opportunities provided to engage and participate in the conservation activities and discussions?			

R.H. Mahakhode

**Convener
Dr. Mrs. R.H. Mahakhode**



R.H. Mahakhode
Convener
Dr. Mrs. R.H. Mahakhode

R.H. Mahakhode
 Signature of IQAC Coordinator
 Internal Quality Assurance Cell
 (IQAC)
 S. S. E. S. Amravati's College
 Congress (Nagpur, Nagpur)
 (Nagpur, Nagpur)



R.H. Mahakhode
 Signature of Principal
 Principal
 S. S. E. S. Amravati's
 Science College, Nagpur.

*xiii) World Ozone Day***“ Montreal Protocol- Fixing the Ozone Layer and Reducing Climate Change”**

Mrs. Hema Deshpande, Regional Officer, Maharashtra Pollution Control Board (MPCB), emphasized the significance of celebration of Ozone day. In her deliberation she also discussed tropospheric ozone, usually known as bad ozone, and stratospheric ozone, also known as good ozone. The ozone in the stratosphere, is referred to as stratospheric ozone by absorbing the UV radiation, shields all life on Earth from the Sun's deadly UV rays. However, the principal pollutants in the atmosphere, especially nitrogen oxides and volatile organic compounds (VOCs), react to produce ozone, adequately in the troposphere. Ground-level ozone, or troposphere ozone, causes a lot of harm to human health and the environment. In her concluding remarks she reiterated welcome step towards the protection of stratospheric ozone in Montreal Protocol..

In order to raise awareness about how essential the ozone shield is for life on earth, the department has organized "Intercollegiate Poster competition" for UG and PG students, 51 students actively participated in the same. Prof. Punita Tiwari, Department of Botany and Prof. Kalpana Pawar, HOD of Department of Mathematics were worked as a judge for this competition.

1st prize of Rs. 1000/- bagged by Ms. Avantika Somkuwar, SSES Amt's Science College Congress Nagar, Nagpur, 2nd prize of Rs. 700/- by Ms. Akanksha Paraye, Kamla Nehru College, Nagpur, 3rd prize of Rs. 500/- by Ms. Ishan Bhandarkar & Ms. Palak Katalkar, Mohata Science College, Nagpur. Consolation prize was bagged by Ms. Masum Meshram, SSES Amt's Science College Congress Nagar, Nagpur.

In opening remarks of, Prof. R.U. Khope, Head Department of Chemistry, recommended usage of environmentally friendly cleaning products, and air conditioners without CFC refrigerants. Guest speaker was introduced by, Dr. V.R. Kinkhikar. Dr. M. P. Dhore, Principal was presided over the function. In his presidential address he advised to discourage the use of CFC's. The program was conveyed by Dr. V. R. Kinkhikar, Asst. Prof. Department of Chemistry and Mr. S.V. Dautpure and other Staff Members and students were prominently present on this occasion.

The session concluded with vote of thanks proposed by Ms. Ayesha (B.Sc.SemI) expressed gratefulness towards Prof. M. P. Dhore, Principal, SSES Science College, Nagpur for their valuable guidance and encouragement to make the event successful & Dr. R U Khope, Head of department of chemistry for their cooperation & continuous support. The convener of the

program was Dr.V.R.Kinhikar & Co-convener was Mr. S.V.Dautpure. The program was compared by, Ms. Shabahad Khan a student of M.Sc. Ist year.

Prof.P.S.Utale, Prof.Y.K.Meshram, Prof.J.K.Gunjate, Prof.R.D.Urkude, and Dr.P.N. Deshmukh graced the occasion and around 51 students were actively participated in this event.



for more details - <https://sites.google.com/view/worldozoneday/home>

International Ozone Day 16/09/2019

Department of Chemistry has organized OZOWRITE, a Science article writing Competition to mark International Ozone Day. In this competition, the articles of Student participants have reflected the views articulating the importance, formation, repercussions on lively things in nature were mesmerizing, amazing moreover providing thoughtful notes. Contest was organized on theme OZONE to provide the platform for enhancing the scientific temperament through writing among students.

xiv) Making compost from biodegradable materials

GREEN CLUB FACULTY:	DR. RESHMA SONWALKAR
GREEN CLUB MEMBER:	MANISHA S. DEHANKAR
GROUP:	BSC 1ST YEAR {CBZ}
ACTIVITY TOPIC:	Making compost From biodegradable materials

IMPORTANCE OF GREEN CLUB

The main aim of establishing Green Club was to conserve the natural resources and the natural environment, to create eco-friendly environment, create an awareness on biodiversity conservation, local environmental issues, to create a clean and green consciousness among students through various innovative methods.

BIODEGRADABLE MATERIALS:

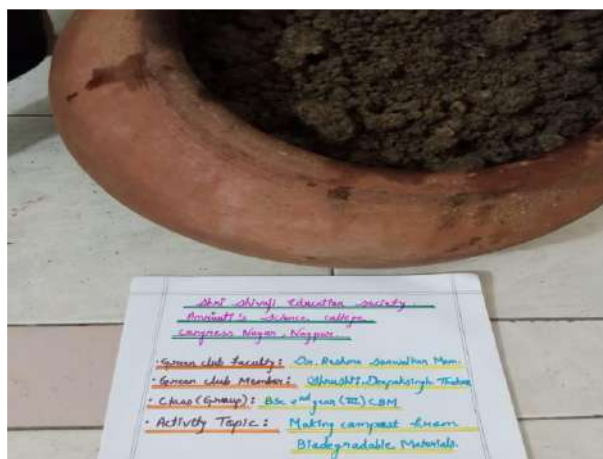
- POT
- SOIL
- FLOWERS
- LEAVES

- COCONUT HUSK
- “DURVA” GRASS

Reason To Compost The Flowers, Coconut Husk Etc.

After the Ganapati Visarjan festivities, when we immerse Lord Ganesha idols in rivers, the dry flower garlands also float away. It looks nice, but it can be a problem for the environment. Instead of letting these flowers cause pollution, we can do something better. We can turn them into compost to help our Earth stay clean. Composting means turning the leftover flowers into natural fertilizer for the soil. This way, we don't need harmful chemicals. It's a good idea because it's friendly to our planet. We should try to be careful about how we celebrate and take care of nature. So, after the celebrations, let's turn those old flowers into compost. It's a small thing, but it helps keep our Earth healthy. We can enjoy our traditions and also do our part to make sure we don't harm the environment. Let's make our celebrations not just happy for us but also good for the Earth!









YEWS कार्यक्रमातर्फे सर्वांना गणेशोत्सवाच्या हार्दिक शुभेच्छा!

ग्रीन क्लब अंतर्गत करावयाचा उपक्रम, सप्टेंबर २०२३

निर्माल्यावर शास्त्रोक्त प्रक्रिया करणे
(उपक्रम कालावधी: दिनांक १९ सप्टेंबर ते २९ सप्टेंबर २०२३)

उत्सवादरम्यान तयार होणारे निर्माल्य संकलित करून त्यावर शास्त्रोक्त पद्धतीने प्रक्रिया करूया!

आपण हा उपक्रम विविध प्रकारे आयोजित करू शकतो:

- आपल्या महाविद्यालय परिसरातील घरे, गणेश मंडळे, इ. ठिकाणी जमा होणारे निर्माल्य संकलित करणे.
- संकलित निर्माल्यापासून उत्तम पद्धतीचे सेंद्रिय खत बनविण्यासाठी त्याचे कंपोस्ट करणे (आपल्या महाविद्यालय आवासात, आपल्या स्थानिक स्वराज्य संस्थेच्या कंपोस्ट प्रकल्पाच्या ठिकाणी, आसपासच्या पक्षाद्या खाजगी कंपोस्ट प्रकल्पाच्या ठिकाणी, स्वयंसेवी संस्थांच्या सहकार्याने किंवा अन्य प्रकारे याचे नियोजन आपल्या पातळीवर करता येईल).
- तयार झालेल्या उत्तम दर्जाच्या खताचा आपल्या परिसरातील झाडांसाठी उपयोग करता येईल.
- याव्यतिरिक्त संकलित निर्माल्यापासून काही नाविन्यपूर्ण उत्पादनेदेखील तयार करता येतील.

कृपया हा उपक्रम आपल्या ग्रीन क्लबमार्फत कशापद्धतीने राबविण्यात आला याची माहिती पुढील फॉर्मद्वारे आमच्यापर्यंत पोहोचवावी.
ज्यामध्ये खालील बाबींचा सहभाग असावा.

- पर्यावरणपूरक गणपती उत्सव साजरा करण्याकरता कोणकोणते उपक्रम राबवण्यात आले?
- या उपक्रमाचे नियोजन कशा पद्धतीने करण्यात आले?
- उपक्रमाबाबतची महत्वाची सांख्यिकी माहिती: (उदा. सहभागी विद्यार्थ्यांची संख्या, जमा झालेले निर्माल्य (किलो/टन), इ.)

पूरक उपक्रम:
गणेश मूर्ती विसर्जनानंतर शाळू माती पुनर्वापरासाठी पुन्हा सर्तिकांकराकडे द्या.
पुनरावर्तन अभियानामध्ये सहभागी व्हा:
<https://punaravartan.org/>

Google form link:
<https://tinyurl.com/YEWS-Green-Club-Action>



xv) Awareness Camp On Save Water & Dry Herbal Holi

On the occasion of Holi Festival 2024, students of Green Club Shri Shivaji Science College, Congress Nagar, Nagpur organized “Awareness camp on Save water & Dry Herbal Holi” with water conservation slogan along with rally arranged in campus of Shivaji Science College Nagpur and Dhanwate National College, Nagpur on dated 23/03/2024. Total 20 Students was participated in camp.

https://drive.google.com/file/d/1jjoM2pNjiufx7tBuzQJNM3QNxwi74O4F/view?usp=drive_link

Green club coordinator
Dr R P Sonwalkar





Reshma P. Sonwalkar

Dr. Reshma P. Sonwalkar
Green Club faculty Coordinator

*xvi) Inauguration of Green Club and Plant Exhibition***SHIVAJI SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR****GREEN CLUB****Organized****"Inauguration of Green Club and Plant Exhibition"****Theme- "One Student - One Plant"****Report****Session 2023-2024****16th September 2023.**

Green Club of Shivaji Science College, Congress Nagar, Nagpur organized "Inauguration of Green Club and Plant Exhibition" on the theme- "One Student -One Plant" on 16th September 2023. On this occasion, Hon'ble Principal Prof M.P.Dhore was present as chairman, Dr. Rajdip D. Utane (Sant Gadge Maharaj Mahavidyalaya, Nagpur) as Guest speaker and expert, Dr. R. P. Sonwalkar Green Club Co-ordinator, Prof. R. N. Deshmukh (HOD), Prof P.S. Tiwari, Dr. R. H. Mahakhode, Dr. Sharayu Deshmukh, Prof. R. U. Khope, Dr. P. N. Deshmukh, Dr. Seema Kadu, Dr. Pranita Gulhane and students were present.

The Plant Exhibition was inaugurated at the hands of Chief Guest Dr. Rajdip D. Utane by the exhibition of various Flowering, Medicinal and Aromatic plants brought by the members of the Green Club. The Prime objective behind "One Student-One Plant" is that if a single student came to acknowledge the importance of a single plant and aim behind this event was every individual planted a tree. Convener of the program Dr Reshma Sonwalkar introduced the guest and briefed about the workshop.

During the workshop sir imparted the students with the critical knowledge of water conservation. Water scarcity is a pressing global issue that affects millions of people around the world. Rapid urbanization, population growth, climate change, and unsustainable water management practices are putting immense pressure on our water resources. Many regions are already experiencing water shortages, and if we continue on our current path, the situation will only worsen. But there is hope, each and every one of us has the power to make a difference through simple yet impactful actions to conserve water. Whether it's fixing leaky faucets, taking shorter showers, using water-efficient appliances, or adopting sustainable farming practices,

every little effort counts. Sir also explaining the objective behind Green Club and encouraged everyone to work in unity starting as an individual to serve for future generations.

Chairman of the workshop Hon'ble Principal Prof. M.P. Dhore appreciated the efforts taken by the green club and also highlighted the value of water in our life and necessity of water conservation.

The program was conducted by Dr. Reshma P.Sonwalkar Green club faculty coordinator. Green club committee member played important role in organizing the workshop in systematic manner. About 46 students and staff members were attended the workshop.

Reshma

Green Club faculty Coordinator
Dr.Reshma.P.Sonwalkar





Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
2023-2024

GREEN CLUB

Notice

All the students of B.Sc, B.C.A, MCA and M.Sc and all the teaching staff members are hereby informed that "Green Club" has organized Guest Lecture and Plants Exhibition on the occasion of "Inauguration of Green Club" on 16th September 2023. You all are informed to remain present in the Conference hall.

Guest speaker:- Dr. Rajdeep D. Utane
Head Dept of Chemistry
Sant Gadge Baba Maharaj Mahavidyalaya,
Hingna, Nagpur

Theme - One student One Plant.

Time : 2.00 pm

Venue : Plant Exhibition - Botany lab
Guest Lecture - Conference hall.

[Signature]

Dr. Reshma P. Sonwalkar
Green Club Coordinator

[Signature]

Prof. M. P. Dhore
Principal
Science College,
Congress Nagar, Nagpur



GREEN CLUB EXHIBITION

16/09/2023

Sr. No	Name of the members	Batch	Signature
1.	Aditya Mane	BCA 2nd year	<u>Aditya</u>
2.	Piyush Khondekar	BCA 2nd year	<u>Piyush</u>
3.	Krunal Kunte	BCA 2nd year	<u>Krunal</u>
4.	Harshal Daf	BCA 2nd yr	<u>Harshal</u>
5.	Harsh Gaikwad	BCA 2nd	<u>Harsh</u>
6.	Ayush Pawar	BCA 2nd	<u>Ayush</u>
7.	Kartavya Badge	— II —	<u>Kartavya</u>
8.	Pranjal Katre	— II —	<u>Pranjal</u>
9.	Rishita Rout	— II —	<u>R.A. Rout</u>
10.	Khushi Ghate	— II —	<u>Khushi</u>
11.	Shruti Romteke	— II —	<u>Shruti</u>
12.	Archana Sharnagade	— II —	<u>Archana</u>
13.	Drupati Patle	— II —	<u>Drupati</u>
14.	Mahini Chapke	Bsc Ist year	<u>Mahini</u>
15.	Abhipsha Salas	Bsc Ist year	<u>Abhipsha</u>
16.	Manisha S. Dehankar	Bsc Ist year (CBZ)	<u>Manisha</u>
17.	Harshneel K. Vindi	Bsc Ist year (ECM)	<u>Harshneel</u>
18.	Bhagyashree P. Bhangade	Bsc Ist year (ECM)	<u>Bhagyashree</u>
19.	Smita A. Samrat	Bsc 2nd year (CBZ)	<u>Smita</u>
20.	Avanti A. Zudgaonkar	Bsc 2nd year (CBZ)	<u>Avanti</u>
21.	Yash Doshi	Bsc 2nd year (CBZ)	<u>Yash</u>
22.	Raven Datta	Bsc 2nd year (CBZ)	<u>Raven</u>
23.	Minal Bisen	Bsc 2nd year (CBZ)	<u>Minal</u>
24.	Devayani Walke	Bsc 2nd year (CBZ)	<u>Devayani</u>
25.	Bhagyashree Shende	Bsc 2nd year (CBZ)	<u>Bhagyashree</u>
26.	Poojaram Dhole	Bsc Ist year (CBZ)	<u>Poojaram</u>
27.	Aditi Rathod	Bsc Ist year (CBZ)	<u>Aditi</u>

Sr. No.	Name of members	Batch	Signature
28)	Sanika Raut	B4	<u>Sanika</u>
29)	Harshada Zonde	B1	<u>Harshada</u>
30)	Sneha Bhongade	B3	<u>Sneha</u>
31)	Shrushti Thakur	B2	<u>Shrushti</u>
32)	Devayani Shivankar	Bsc Ist year [ECM]	<u>Devayani</u>

*xvii) Green Club Nurturing Workshop***SHIVAJI SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR****GREEN CLUB****Organized****“YEWS: Green Club Nurturing WORKSHOP “ Report (19th January 2024)**

Green club Shri Shivaji Science College organized one day “YEWS: Green Club Nurturing Workshop “ for the youth of Green club Nagpur district under the youth engagement and water stewardship program under the Maharashtra government, UNICEF and Shivaji Science College on 19th January 2024.

On this occasion, Hon’ble Principal Prof M. P. Dhore was present as chairman, Dr. Mangesh Pathak (Director Student Development Department) as a president, Dr. R. P. Sonwalkar Green

Club Co-ordinator, Dr. Vinod Khedkar (District Nodal Officer Nagpur), Sayli Dongarwar

(District Coordinator Nagpur), Avadhoot Abhyankar (Project Manager CCE), Madhukar Lengre (State Liason Officer ACWADAM) and green club students from 46 colleges were present.

The workshop was inaugurated at the hands of president Dr. Mangesh Pathak (Director Student Development Department). Dr. Reshma Sonwalkar (Green Club Coordinator) introduced the guest and briefed about the workshop. All the green club members, teaching and non teaching staff were present on this occasion.

Under the program, the conservation of natural resources and water are implemented. Through this workshop knowledge was provided to the youth studying in colleges in thirteen districts of the state about the environment, climate change and water conservation, encouraging students to take training in develop skills. During workshop different water saving measures and their implementations were discussed through activities like water audit of colleges and homes .

Avadhoot Abhyankar and Madhukar Lengre sir delivered the talk through PowerPoint presentation and conducted various activity of water conservation.

Hon’ble Principal Prof. M.P. Dhore sir appreciated the efforts taken by the green club committee and also highlighted the value of water in daily life.

President of the program Dr. Mangesh Pathak (Director Student Development Department) sir guided to all green member.

Large number of students from various colleges actively participated in the workshop.

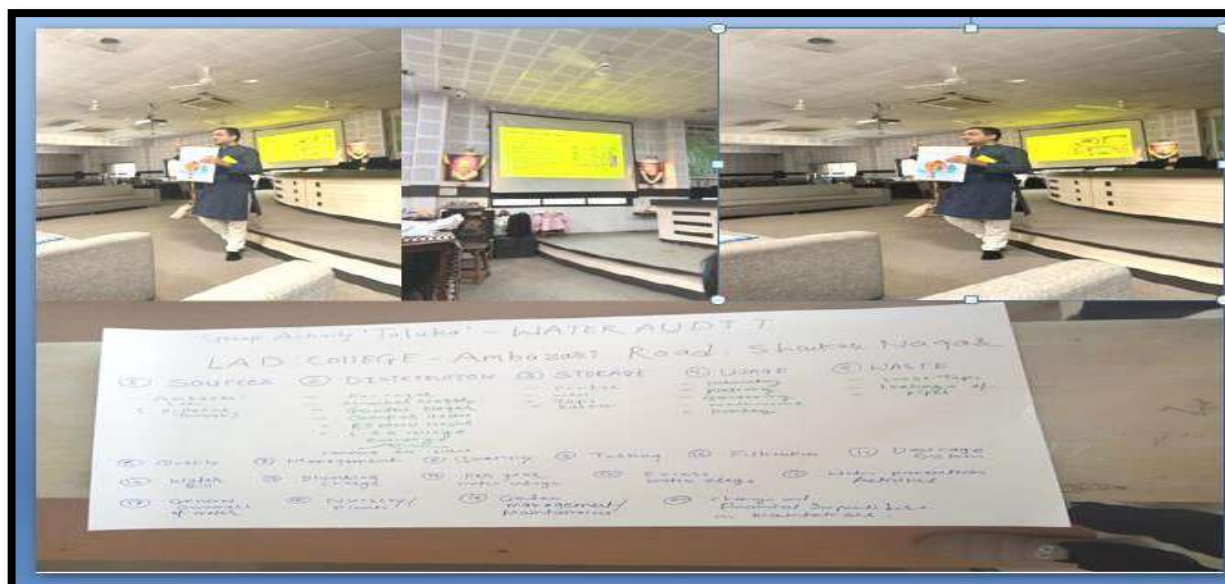


Dr. Reshma.P.Sonwalkar

Green Club Faculty Coordinator









xviii) World Water Day

Shri Shivaji Education Society Amravati's
Science College Congress Nagar, Nagpur

GREEN CLUB

Organized

Short Vedio / Reels and Poster Competition

"On the occasion World Water Day"

22/03/2024

**Theme: World Water Day, Water Conservation through
Personal Behavior Change**

Report

On the occasion of World Water Day, Green Club Shri Shivaji Science College , Congress Nagar, Nagpur, organized online Short Vedio/ Reels and Poster Competition on the theme "World Water Day and Water Conservation Through Behavior Change" on 22/03/2024. Total 14 students have submitted the poster and 1 student have submitted the short video through the Google link. Best three posters selected by the examiner, Prof. Punita S. Tiwari and Prof. Reshal Deshmukh madam.

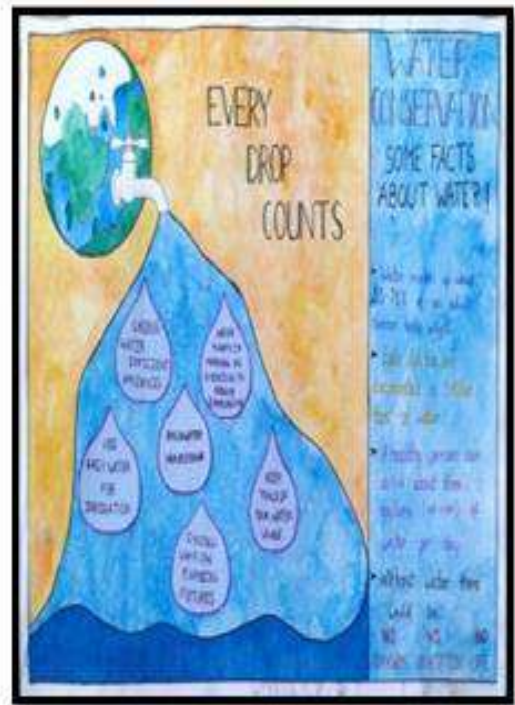
Link of Vedio : <https://forms.gle/grzkRs5jxPVANSPL9>

Best posters:

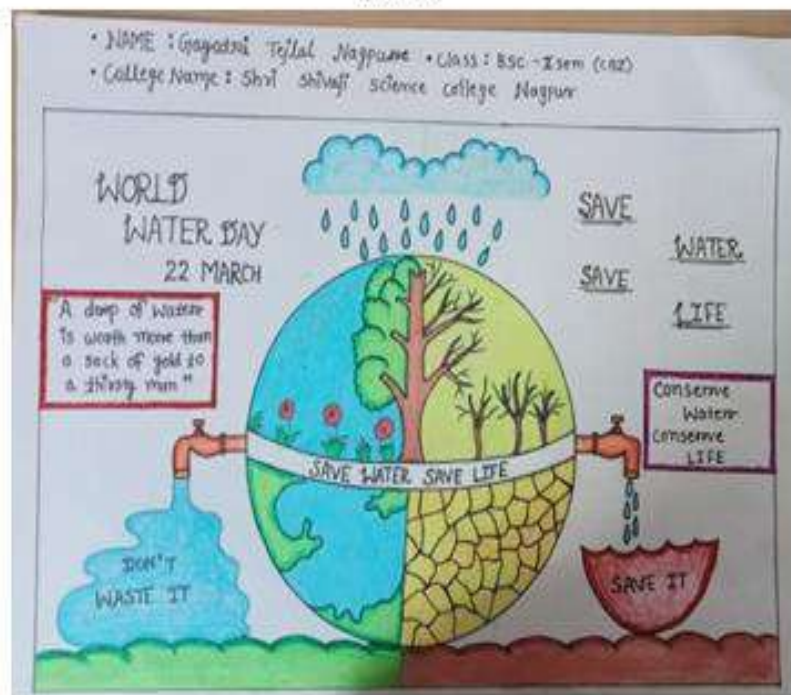
1. Tanushree Jadhav
2. Awantika Somkuwar
3. Gayatri Nagpure

Dr. Reshma P. Sonwalkar
Green Club Faculty Coordinator

2nd



3rd





SHRI SHIVAJI EDUCATION SOCIETY AMARAVATI'S SCIENCE COLLEGE

CONGRESS NAGAR, Nagpur-12

- Accredited with a CGPA of 3.51 with 'A+' grade by NAAC
- Begalurn A College with potential for Excellence
 - Member of APQN
- Recognized center for higher Learning
- A mentor college under paramarsh Scheme

GREEN CLUB

Organizes

"SHORT VIDEO/REELS & POSTER COMPETITION"

On The Occasion of Water Day

22nd March 2024.

**THEMES: WORLD WATER DAY, WATER CONSERVATION THROUGH
PERSONAL BEHAVIOR CHANGE.**

Mode: Online

Criteria and Instructions

Short video / Reel should be less than 2 minutes (120 seconds).

Poster should be a handmade - A3 Size

Language: Marathi, Hindi or English (text should be minimum, use more graphics)

Upload Short video / Reel through the link: <https://forms.gle/hjNZ7hRuthErqgB47>

Upload the poster through the link : <https://forms.gle/dNHm9MLQbeBBj8W79>

Last date to submit your entries: 22nd March 2024

Dr. Reshma. P. Sonwalkar
Green Club Coordinator

Prof. M. P. Dhore
Principal

Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
2023-2024

GREEN CLUB

Notice

All the students are hereby informed that, Green Club has organized "Short video/Reel Competition & Poster Competition" on the occasion of Water Day on 22nd March 2024. Best three videos and posters will select at college level. These selected videos and posters will send for district competition. Best three videos and posters will be selected at district levels and send at state level selection.

Criteria and Instructions: Video Competition

1. Themes: World Water Day, Water Conservation through personal behavior change
2. Language: Marathi, Hindi or English
3. Short video / Reel should be less than 2 minutes (120 seconds).
4. Upload Short video / Reel through the link: <https://forms.gle/hjNZ7hRuthErqgB47>

Criteria and Instructions: Poster Competition

1. Themes: World Water Day, Water Conservation through personal behavior change
 2. It should be a handmade poster - A3 Size
 3. Language: Marathi, Hindi or English (text should be minimum, use more graphics)
 4. Upload the poster through the link: <https://forms.gle/dNHm9MLQbeBBj8W79>
- Last date to submit your entries: 22nd March 2024

If you have any queries contact Dr. Reshma P. Sonwalkar, Department of Botany
(Mob. No- 8007684196)

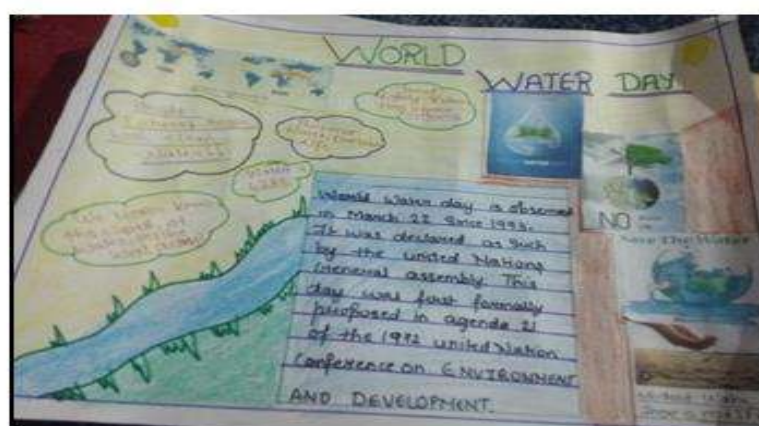
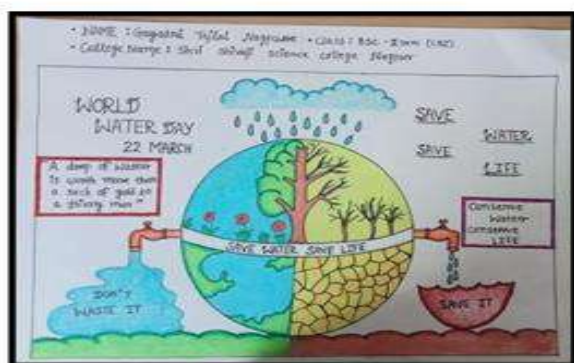


Dr. Reshma. P. Sonwalkar
Green club Coordinator

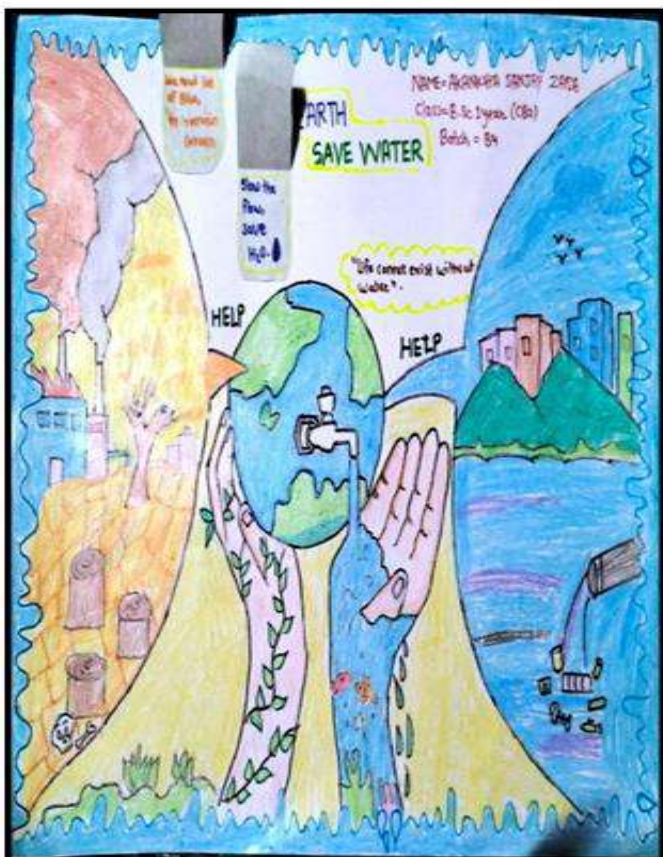


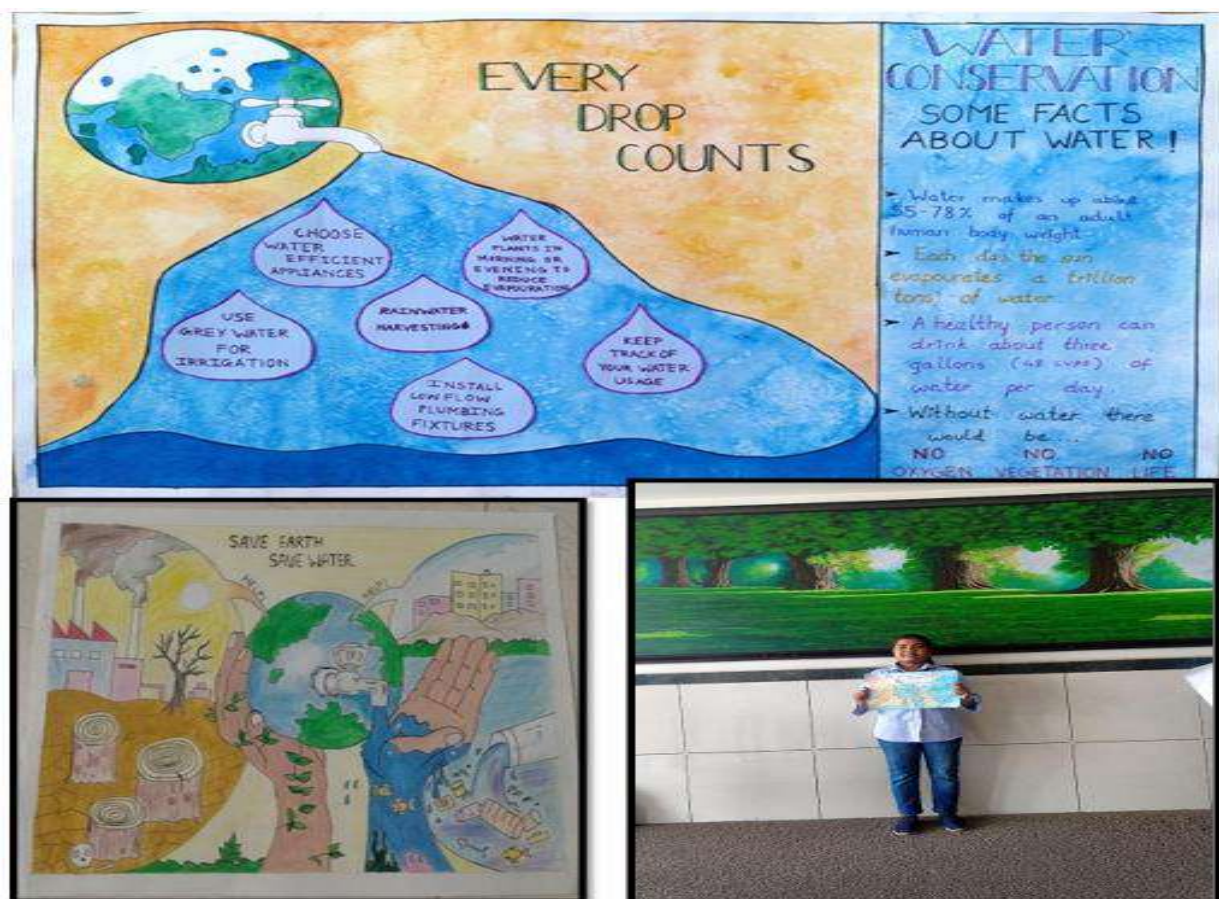
Prof. M. P. Dhore
Principal

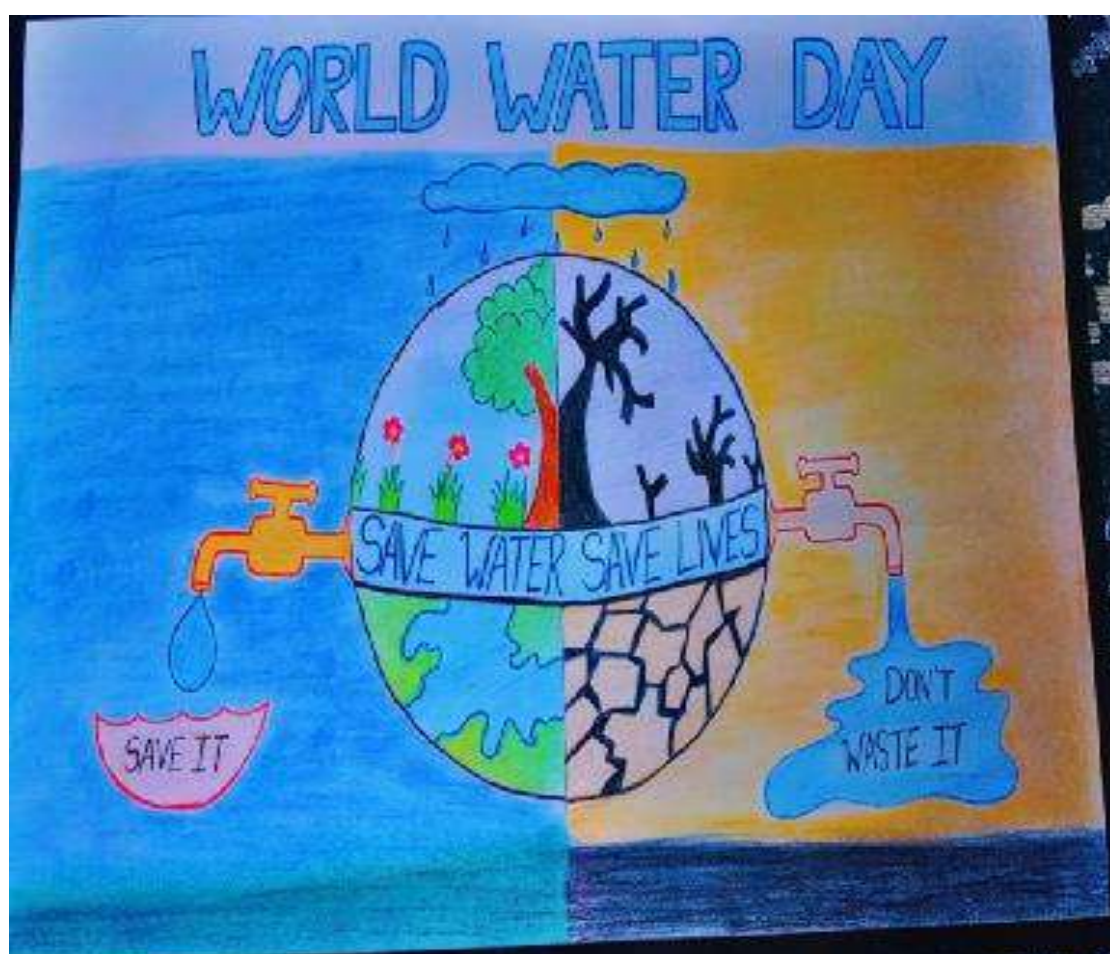
POSTERS











xix) World Environment Day

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR
Session 2023 – 2024
National Cadet Corps

Organised "World Environment Day- is celebrated on 5 June 2023"

Tele – 251492
 E-mail: ID-3mahncc@gmail.com
 3GB/G/Social Service/2023
 Principal / HM

3 Mah Girls Bn NCC
 Civil Lines, Nagpur-01
 15 May 2023


MISSION LIFE (LIFE STYLE FOR ENVIRONMENT) : WORLD ENVIRONMENT DAY

- Refer NCC Gp HQ Nagpur letter No. 4032/G/SS/22-23 dt. 11 May 2023 (copy attached).
- Activities wrt Mission Life (Life (Life style for environment) : World Environment Day will be carried out by Institution and fwd update feedback on <https://merilife.org> on completion of event, Geo tagged of the event to be fwd to this unit on the same day as per pgme given under :-

Sr No	Date	Unit	Activity
01	10 May to 05 Jun 2023	3 Mah Girls Bn NCC, Nagpur	Pledge
02	20 May 2023	3 Mah Girls Bn NCC, Nagpur	Nukkad Natak


Encl : As above.

Copy to :-
 NCC Gp HQ, Nagpur - for info pl.
 Internal – SM, GCI - for info pl.
 All SW / JW ANOs - for info & necessary action pl.


 (Mamta Shankar)
 Major
 Adm Officer


 Signature of IQAC Coordinator
 Internal Quality Assurance Cell
 (IQAC)
 S.S.E.S. Amravati's Science College
 Congress Nagar, Nagpur-46
 21




 Signature of Principal
 Principal
 S. S. L. S. Amravati's
 Science College, Nagpur.

World Environment Day is celebrated every year on the **5th of June** and aims at raising awareness and celebrating environmental action. **World Environment Day** under Mission Life Programme- is celebrated on 5 June 2023. Cadets actively participated in the Life pledge for the environment on 24 May 2023 which was to invest in our planet. A pledge was taken by the cadets to save the environment . She also gave the message to the students to contribute their part in protecting nature by performing sustainable practices.

Action Taken

World Environment Day is celebrated every year on the **5th of June** and aims at raising awareness and celebrating environmental action. **World Environment Day** under Mission Life Programme- is celebrated on 5 June 2023. Cadets actively participated in the Life pledge for the environment on 24 May 2023 which was to invest in our planet. A pledge was taken by the cadets to save the environment . She also gave the message to the students to contribute their part in protecting nature by performing sustainable practices. Feedback form was given to students, students filled the feedback form on the basis of student's feedback we analysed the feedback and represented the feedback of student graphically.

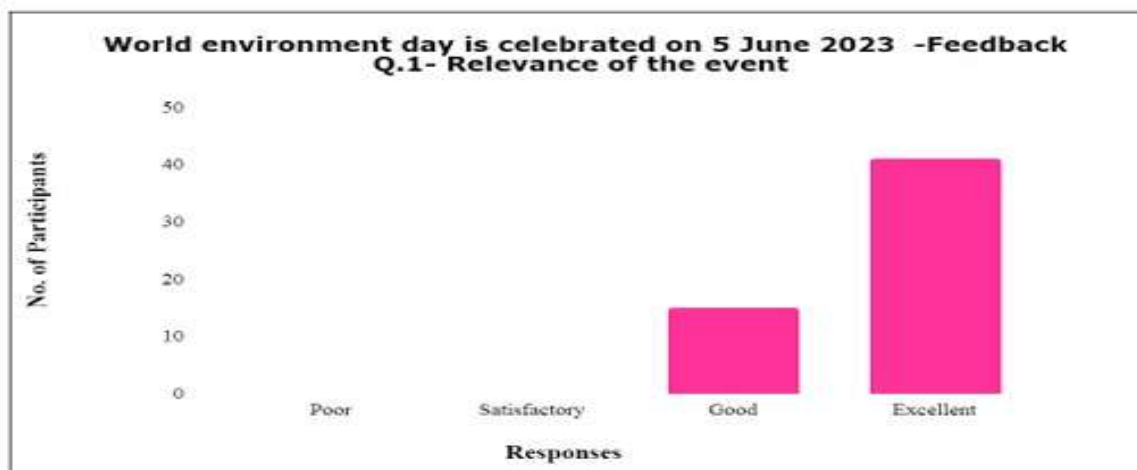


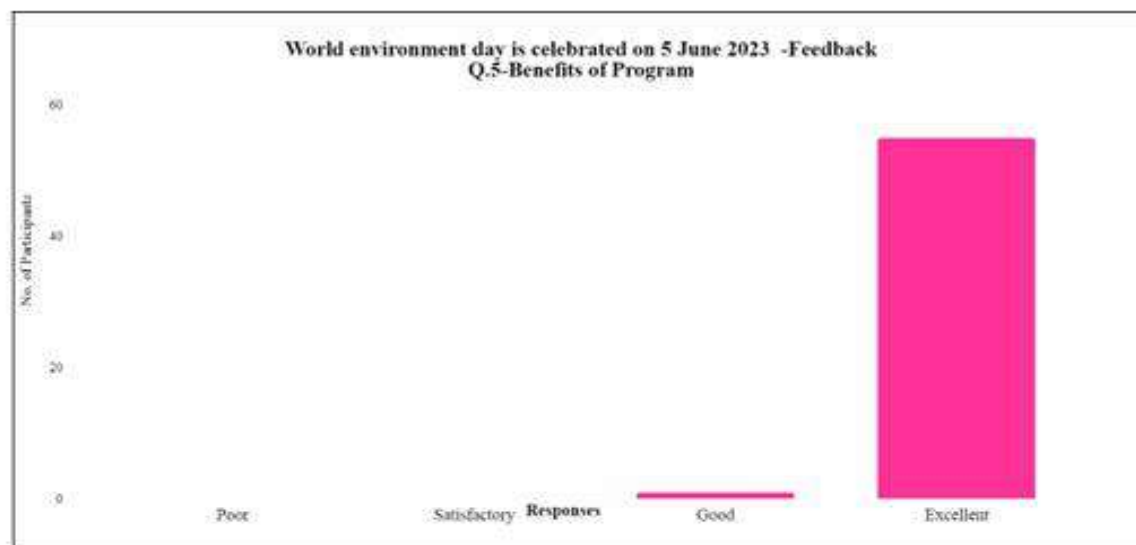
A pledge was taken by the cadets to save the environment on the occasion of World environment day is celebrated on 5 June 2023

1) Anpita Chade	CGM 3 rd III rd	<i>Aspire</i>
2) Gunjan Mousya	SCSM III rd	<i>Uy</i>
3) Shrawari Saraf	CMBT III rd	<i>Shrawari</i>
4) Ruhi Meena	PEM III rd	<i>Shrawari</i>
5) Shikha Nune	CZM III rd	<i>Shrawari</i>
6) Anjali Sharma	CMBT III rd	<i>Anjali</i>
7) Saanvi Shahate	PEM III rd	<i>Anjali</i>
8) Anisha Biliya	PEM III rd	<i>Anisha</i>
9) Anya Wade	CGM III rd	<i>Anya</i>
10) Khushi Pandhi	BCA II nd	<i>Khushi</i>
11) Snehal Rajge	BCA II nd	<i>Snehal</i>
12) Arishwanya Lakhan	BCA II nd	<i>Arishwanya</i>
13) Shruya Pawhar	CZM II nd	<i>Shruya</i>
14) Payal Bopche	CBG II nd	<i>Payal</i>

Feedback

After successful completion of the program feedback from all the present students were collected. Analysis of feedback was done and after feedback analysis following observation was noted remarkably.





[Signature]
Signature of IQAC Coordinator
Internal Quality Assurance Cell
(IQAC)
S. S. E. S. Amravati's Science College
Nagpur (Nagpur 2)



[Signature]
Signature of Principal
Principal
S. S. E. S. Amravati's
Science College, Nagpur.

Shri Shivaji Education Society Amt's Science College, Congress Nagar, Nagpur

DEPARTMENT OF BOTANY

Organized

ONLINE INTERCOLLEGIATE POWERPOINT PRESENTATION COMPETITION
ON THE OCCASION OF WORLD ENVIRONMENT DAY-2021



PRATIBHA SHAKTI- VIDARBHA
 In Collaboration With
 Department of Botany,
INSTITUTE OF SCIENCE, NAGPUR

Organizing
INTERCOLLEGIATE POWERPOINT PRESENTATION
 On the occasion of
WORLD ENVIRONMENT DAY 2021
Theme: Ecosystem Restoration

Rules & Regulations:

- UG & PG students can participate in competition.
- Students should prepare PPTs on the theme Ecosystem Restoration
- PPT should be based on your own contribution to environment.
- Participants should submit video file / recorded PPT on or before 23rd June'21
 OR
 Live presentations are also allowed at the time of program but organizers will not be responsible for any technical failure.
- Time duration for competition is 5 min.
- Prizes will be given to 3 Best Presentations

<u>PRESIDENT</u> Mrs. Varsha Tatwawadi Pratibha Shakti, Nagpur	<u>CONVENER</u> Dr. Surekha Kalkar Life Member Pratibha Shakti Head, Dept of Botany Institute of Science, Nagpur	<u>DIRECTOR</u> Dr. R.G. Atram Institute of Science, Nagpur
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<u>ORGANIZING SECRETARY</u> Dr. Rupali Mahakhode Life Member Pratibha Shakti Asstt. Professor, Dept. of Botany Shivaji Science College, Nagpur	<u>ORGANIZING SECRETARY</u> Dr. Jayshree Thaware Life Member Pratibha Shakti Asstt. Professor & Head, Dept. of Botany S.K.Porwal College, Kamptee
---	--

Registration Link: <https://forms.gle/5VddjrzyGF54b3z76>

Program link will be given to the registered candidate email id.
 Online program on Google Meet on June 25th, 2021 at 5:00 pm.

**Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, Congress Nagar, Nagpur
Department of Botany
Organized
Online Intercollegiate PowerPoint Presentation Competition
World Environment Day on 25th June 2021
Theme: Ecosystem Restoration
Session 2021-2022**

=====

REPORT



An intercollegiate PowerPoint competition on the occasion of World Environment Day – 2021 on 25th June, 2021 was jointly organized by Department of Botany, SSES Amravati's Science College, Congress Nagar, Nagpur and Department of Botany, Institute of Science, Nagpur in an association with Pratibha Shakti Foundation - Vidarbha Unit under the "Green Initiatives" by Department of Botany. The theme of the competition was 'Ecosystem Restoration'. The Students from different colleges have participated in the Competition. A total 16 students participated in the competition.

Three winners from Shivaji Science College, Nagpur awarded 1st, 2nd & 3rd with a certificate and cash prizes respectively and two consolation prizes goes to Institute of Science, Nagpur. Participation certificates were distributed among all the participants of the competition.

WINNERS

1st Winner– Miss. Neha Thakral, Shri Shivaji Science College, Nagpur
Topic-Seed Balls

2nd Winner– Miss.Tanushree Banerjee, Shri Shivaji Science College, Nagpur
Topic-Biodiversity

2nd Winner- Mr. Shubhankar Jha, A.K. Wankhede College,
Nagpur Topic-Biodiversity

3rd Winner– Mr. Ameya Dhore, Shri Shivaji Science College, Nagpur
Topic-Ecosystem Restoration

Consolation Prize– Ku. Ashwini Mandale, Institute of Science, Nagpur
Topic-EcosystemRestoration

Consolation Prize– Ku. Aniqua Ahmad, Institute of Science, Nagpur
Topic-Ecosystem Restoration

ONLINE INTERCOLLEGIATE POWERPOINT PRESENTATION COMPETITION
ON THE OCCASION OF
WORLD ENVIRONMENT DAY-2021
THEME: ECOSYSTEM RESTORATION



ONLINE INTERCOLLEGIATE POWERPOINT PRESENTATION COMPETITION
ON THE OCCASION OF
WORLD ENVIRONMENT DAY-2021

THEME: ECOSYSTEM RESTORATION

List of Participants

Sr. No.	Name of Students	Class	Topic	Name of College/ Institute
1	Ku. Pratiksha Zade	B.Sc.II	Ecosystem Restoration	Santaji Mahavidyalaya, Nagpur
2	Mr. Shubhankar Jha	B.Sc.III	Water Restoration	S.K. Wankhede College, Nagpur
3	Ku. Neha Thakral	B.Sc.II	Seed Balls	Shri Shivaji Science College, Nagpur
4	Ku. Sana Parveen	B.Sc.II	Sustainable Development	S.K. Porwal College, Kamptee
5	Mr. Ameya Dhore	B.Sc.III	Ecosystem Restoration	ShriShivajiScienceCollege,Nagpur
6	Ku. Minal Dahikar	M.Sc.II	Ecosystem Restoration	Institute of Science, Nagpur
7	Ku. Ashwini Mandale	M.Sc.II	Ecosystem Restoration	Institute of Science, Nagpur
8	Ku.Tanushree Banerjee	B.Sc.II	Biodiversity	Shri Shivaji Science College, Nagpur
9	Ku. Aniqua Ahmad	M.Sc.II	Ecosystem Restoration	Institute of Science, Nagpur
10	Ku.RituTote	B.Sc.III	Reuse Reduce Recycle	Santaji Mahavidyalaya, Nagpur
11	Mr. Rajesh Tiwari	B.Sc.II	Ecosystem Restoration	S.K. Porwal College, Kamptee
12	Ku. Muskan Parveen	M.Sc.II	Ecosystem Restoration	Institute of Science, Nagpur
13	Ku. Gayatri Sonekar	B.Sc.II	Soil Restoration	Santaji Mahavidyalaya, Nagpur
14	Ku.Kalyani Kumbhalkar	B.Sc.III	Ecosystem Restoration	Santaji Mahavidyalaya, Nagpur
15	Ku. Shraddha Dahake	B.Sc.I	Biodiversity	S.K. Porwal College, Kamptee
16	Ku. Sanjana Chawala	B.Sc.III	Ecosystem Restoration	Shri Shivaji Science College, Nagpur

Dr. Rupali H. Mahakhode
 Dr. Rupali H. Mahakhode
 Organizing Secretary

ACTION TAKEN REPORT

An intercollegiate PowerPoint competition themed 'Ecosystem Restoration' was held on June 25th, 2021, to celebrate World Environment Day Organized by the Botany Departments of SSES Amravati's Science College, Nagpur and the Institute of Science, Nagpur, with Pratibha Shakti Foundation, the event saw 16 participants from various colleges.

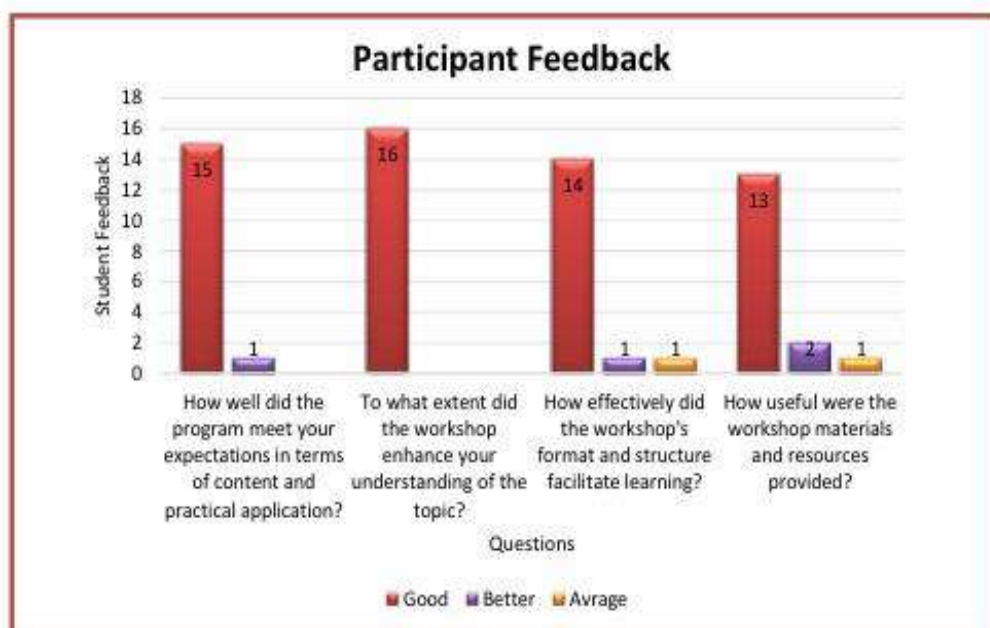
Winners from Shri Shivaji Science College, Nagpur, were Miss Neha Thakral (1st, Seed Balls), Miss Tanushree Banerjee (2nd, Biodiversity), and Mr. Ameya Dhore (3rd, Ecosystem Restoration). Mr. Shubhankar Jha from A.K. Wankhede College shared 2nd place (Biodiversity). Consolation prizes went to Ku. Ashwini Mandale and Ku. Aniqua Ahmad from the Institute of Science, Nagpur. All participants received certificates.

The competition successfully promoted environmental awareness and highlighted students' innovative ideas on ecosystem restoration.

FEEDBACK OF STUDENTS (Workshop Experience)

Sr. No.	Question	Response		
		Good	Better	Average
1)	How well did the program meet your expectations in terms of content and practical application?			
2)	To what extent did the workshop enhance your understanding of the topic?			
3)	How effectively did the workshop's format and structure facilitate learning?			
4)	How useful were the workshop materials and resources provided?			


 Dr. Rupali H. Mahakhode
 Organizing Secretary



Mahakhode

Dr. Rupali H. Mahakhode
Organizing Secretary

Dr. Haldar
Signature of IQAC Coordinator
Internal Quality Assurance Cell
(IQAC)
S. S. E. S. Science College
Congress Nagar, Nagpur



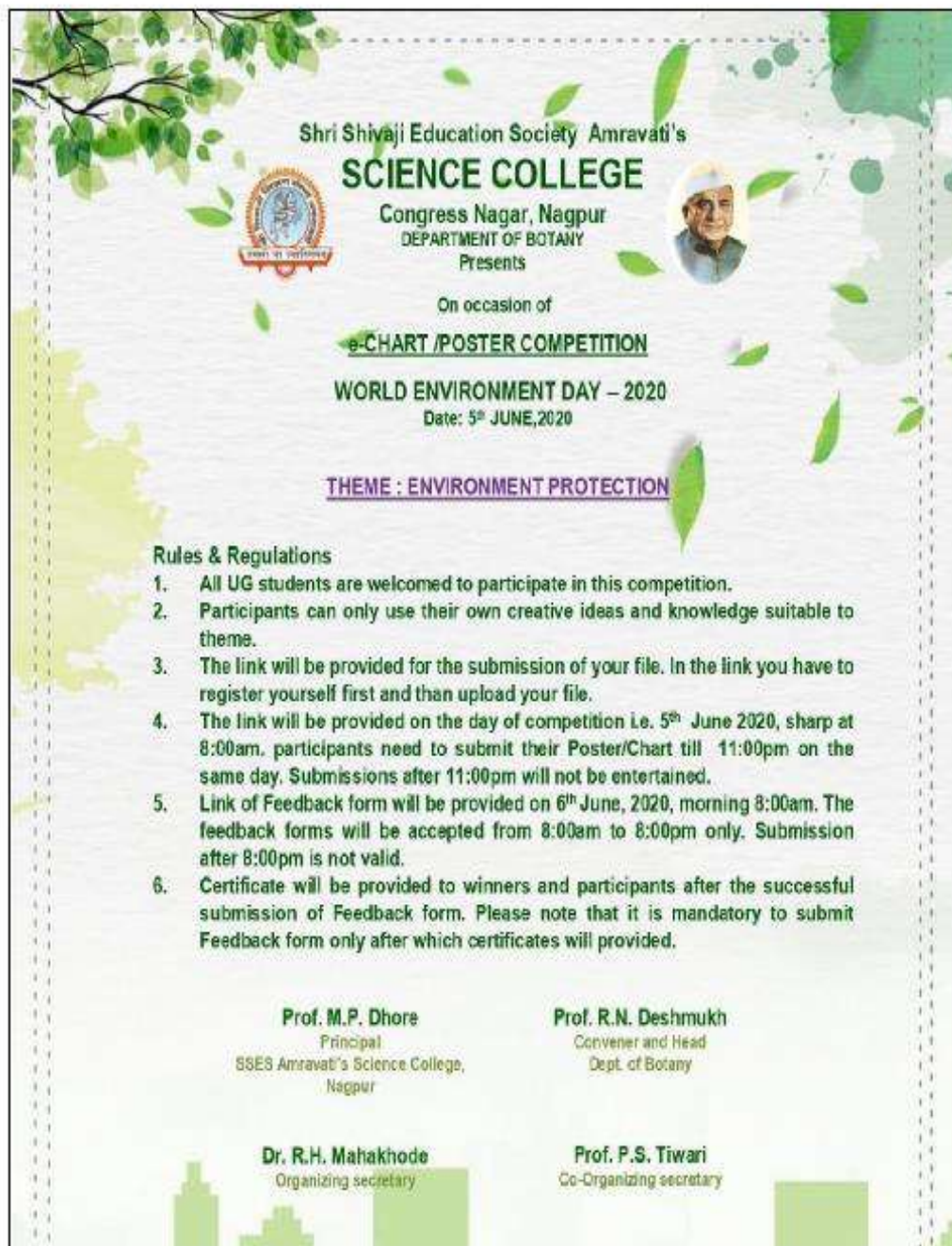
Nalode
Signature of Principal
Principal
S. S. E. S. Amravati's
Science College, Nagpur.

Shri Shivaji Education Society Amr's Science College, Congress Nagar, Nagpur

DEPARTMENT OF BOTANY

Organized

**World Environment Day Online Programme on 5th June 2020
Session 2020-2021**



Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE
Congress Nagar, Nagpur
DEPARTMENT OF BOTANY
Presents

On occasion of
e-CHART /POSTER COMPETITION
WORLD ENVIRONMENT DAY – 2020
Date: 5th JUNE,2020

THEME : ENVIRONMENT PROTECTION

Rules & Regulations

1. All UG students are welcomed to participate in this competition.
2. Participants can only use their own creative ideas and knowledge suitable to theme.
3. The link will be provided for the submission of your file. In the link you have to register yourself first and then upload your file.
4. The link will be provided on the day of competition i.e. 5th June 2020, sharp at 8:00am. participants need to submit their Poster/Chart till 11:00pm on the same day. Submissions after 11:00pm will not be entertained.
5. Link of Feedback form will be provided on 6th June, 2020, morning 8:00am. The feedback forms will be accepted from 8:00am to 8:00pm only. Submission after 8:00pm is not valid.
6. Certificate will be provided to winners and participants after the successful submission of Feedback form. Please note that it is mandatory to submit Feedback form only after which certificates will be provided.

Prof. M.P. Dhore
Principal
SSEA Amravati's Science College,
Nagpur

Prof. R.N. Deshmukh
Convener and Head
Dept. of Botany

Dr. R.H. Mahakhode
Organizing secretary

Prof. P.S. Tiwari
Co-Organizing secretary

**Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, Congress Nagar, Nagpur
Department of Botany
Organized
World Environment Day Online Programme on 5th June 2020
Theme- Biodiversity
Session 2020-2021**

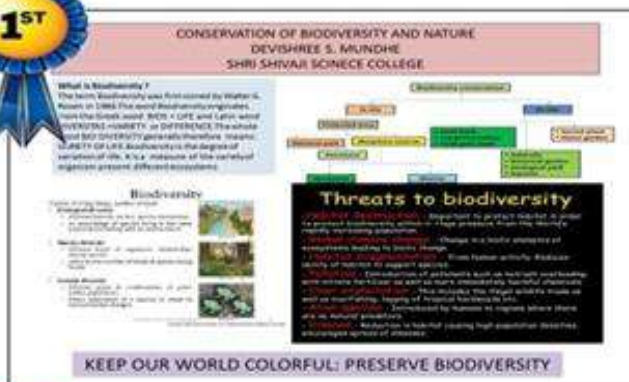
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REPORT

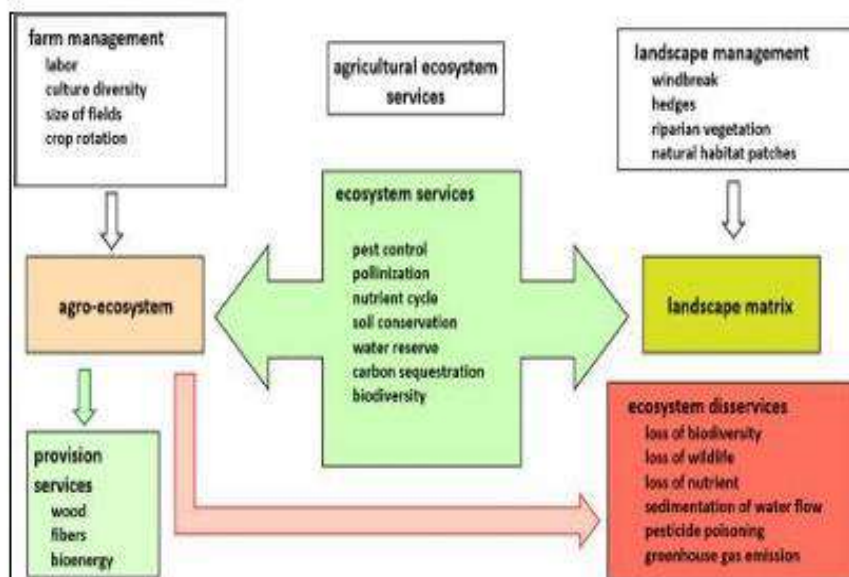
World Environment Day was celebrated by Department of Botany on 5th June 2020 by online mode. On this Occasion Department organized online e-chart/poster competition under the guidance of Prof. M.P. Dhore, Principal and Prof. R.N. Deshmukh Head, Department of Botany. The theme of the competition was “**Biodiversity**”. Dr. R.H. Mahakhode, in-charge of the competition guided the students. Dr. P.S. Tiwari and Dr. S.D. Puranik took efforts for the competition. Mr. M.D. Chinchamalature and Mr. P.R. Sharma were the coordinators. In this competition total 52 students participated. At the end of competition e- certificates to the winners and other participants were distributed.

Winners of the competition:

- | | | |
|------------------------|---|------------------------|
| 1 st Winner | – | Ku Devishree Mundhe |
| 2 nd Winner | – | Ku. Tanushree Banerjee |
| 3 rd Winner | – | Ku. Azmina Khan |

World Environment Day Online Programme on 5th June 2020**Theme- Biodiversity****WORLD ENVIRONMENT DAY****Poster Competition Winners****5TH JUNE 2020****Devishree Mundhe****Tanushree Banerjee****Azmina Khan**

E-poster made by students on the occasion of World Environment Day on 5th June 2020



World Environment Day Participants Responses 2020 Session 2020-2021

	E.MAIL	NAMES	CLASS	CONTACT
1.	shivariya6@gmail.com	Riya Purushottam Shiwardar	BS.c - II year	9373129750
2.	bhairavinikhare34@gmail.com	Bhairavi mohanraonikhare	BS.c - II year	9923399224
3.	sakshimahale16@gmail.com	Sakshi	BS.c - I year	7249395969
4.	pragatiborkar12@gmail.com	Pragati Sunil Borkar	BS.c - I year	+9146499685
5.	somiyakhan2002@gmail.com	somiyakhan	BS.c - I year	7020144677
6.	ishasarwe11@gmail.com	Isha Sukhdeo Sarwe	BS.c - II year	7378904752
7.	chetandhote8203@gmail.com	Chetan Vasudeo Dhote	BS.c - I year	9028601035
8.	kirandhenge67@gmail.com	Kiran Sunil Dhenge	BS.c - II year	9657647464
9.	bhartishalini28@gmail.com	Shalini Vinod kumar Bharti	BS.c - I year	9370554194
10.	alex258wankhade@gmail.com	Atharwa Shiokumar Wankhade	BS.c - I year	9112347923
11.	vishakhaninawe12@gmail.com	Vishakha IndrapalNinawe	BS.c - I year	8668551273
12.	vaideheebawankar18@gmail.com	Vaidehee Prakash Bawankar	BS.c - I year	7447377135
13.	tanushreehajare4@gamil.com	Tanushree rupeshraohajare	BS.c - I year	8446560170
14.	riddhidesai.me@gmai.com	Riddhi Rajesh Desai	BS.c - I year	9923020425
15.	janhvi.dhote332@gmail.com	Janhvi Sanjay Dhote	BS.c - III year	9922111058
16.	Ashleshajadhav53@gmail.com	Ashlesha Avinash Jadhav	BS.c - II year	9145765459
17.	sakshidhapke4@gmail.com	Sakshi Lalit Dhapke	BS.c - I year	9307243146

18.	vaijantinagpure3@gmail.com	Vaijanti Anil Nagpure	BS.c - I year	7057774112
19.	khademohit87@gmail.com	Mohit Ramnath khade	BS.c - II year	8605092202
20.	pransheesharma722@gmail.com	Pranshee Pradeep Sharma	BS.c - III year	9552860293
21.	chaitalipatil856@gmail.com	Chaitali Sandeep Patil	BS.c - II year	8855977972
22.	srushtitamgadge67@gmail.com	Srushti Manik Tamgadge	BS.c - I year	7972309728
23.	priyalwankhede99@gmail.com	Shishika Ramesh Wankhede	BS.c - I year	9607214988
24.	pawarvaidhehi9@gmail.com	Vaidehi Chandrakant Pawar	BS.c - I year	9665759437
25.	sonkusareketki5@gmail.com	Ketki Naresh Sonkusare	BS.c - II year	9665425421
26.	ratnakarsatpute602@gmail.com	Mahak Ratnakar Satpute	BS.c - I year	9172750165
27.	khobragadekomal016@gmail.com	Komal liladharkhobragade	BS.c - II year	7774909314
28.	tanvi2019admane@gmail.com	Tanvi Ravindra Admane	BS.c - I year	8767706460
29.	vedantbhongade42@gmail.com	Vedant Sudhir Bhongade	BS.c - II year	7083699130
30.	payald11101998@gmail.com	Payal Pradip Deshmukh.	BS.c - III year	7972738946
31.	kukdevaishnavi@gmail.com	Vaishnavi Diliproa Kukde	BS.c - II year	8999832099
32.	priyankashingandhupe1998@gmail.com	Priyanka Sanjay Shingandhupe	BS.c - III year	8208730761
33.	khawashideveshri@gmail.com	Deveshripanjabraokhawshi	BS.c - I year	9325745210
34.	laxmikashyap711@gmail.com	Laxmikumari Ramkumar Kashyap	BS.c - III year	7387219736
35.	raiadhikesh.2003@gmail.com	Ayushi Adhikesh Rai	BS.c - II year	9425889149
36.	gaurav.ramteke.ee@ghrietrn.raisoni.net	Gaurav Ramteke	BS.c - III year	9834452311
37.	sakshiot7@gmail.com	Sakshi Omprakash Sharma	BS.c - II year	8788282680
38.	zainabmotorwala73@gmail.com	Zainab Motorwala	BS.c - I year	09421695580

39	ucchsarepratiksha@gmail.com	Pratiksha chandrashekarucchsare	BS.c - II year	8623027145
40	khareanushka10@gmail.com	Anushka Anandkumar Khare	BS.c - II year	8766991221
41	padmadehury04@gmail.com	Padmabati Ashok Kumar Dehury	BS.c - III year	09130778411
42	sontakkesrushti8@gmail.com	Srushti Siddharth sontakke	BS.c - I year	9922262558
43	tanayachipate@gmail.com	Tanaya Pravin Chipate	BS.c - I year	8767181179
44	aditijain0920@gmail.com	Aditi Amit Jain	BS.c - II year	9326969446
45	mehtapalakk@gmail.com	Palak.Kalpesh.Mehta	BS.c - II year	9373102020
46	dikshitagalbale0@usegmail.com	Dikshita Ramdas Galbale	BS.c - II year	9373768778
47	shivamdekapurwar2502@gmail.com	Shivam Atul Dekapurwar	BS.c - II year	8856947698
48	apurvas627@gmail.com	Apurva Ashok Singh	BS.c - II year	9422007374
49	mrnmayeebendre@gmail.com	Mrunmayee Sunil Bendre	BS.c - I year	8600512602
50	asb6059@gmail.com	Akshay Shridhar Bhatkulkar	BS.c - II year	7030429972
51	ln.parthluce07@gmail.com	Parth LilaramLuce	BS.c - I year	8767312431
52	lekhitakhobragade@gmail.com	Lekhita Rameshwar Khobragade	BS.c - II year	Nagpur



Dr. Rupali H. Mahakhode
Organizing Secretary

ACTION TAKEN REPORT

On June 5, 2020, the Department of Botany, Shri Shivaji Science College, Nagpur, celebrated World Environment Day through an online e-chart/poster competition themed "Biodiversity." The event was organized under the guidance of Prof. M.P. Dhore, Principal, and Prof. R.N. Deshmukh, Head of the Department. Dr. R.H. Mahakhode managed the competition, with Dr. P.S. Tiwari and Dr. S.D. Puranik overseeing the efforts. Mr. M.D. Chinchamalature and Mr. P.R. Sharma took efforts for this competition. Total 52 students participated, and e-certificates were awarded to winners and participants. The winners were Ku. Devishree Mundhe (1st), Ku. Tanushree Banerjee (2nd), and Ku. Azmina Khan (3rd). The event successfully engaged students in promoting biodiversity awareness.

FEEDBACK OF STUDENTS (Workshop Experience)

Sr. No.	Question	Response		
		Good	Better	Average
1)	How well did the program meet your expectations in terms of content and practical application?			
2)	To what extent did the workshop enhance your understanding of the topic?			
3)	How effectively did the workshop's format and structure facilitate learning?			
4)	How useful were the workshop materials and resources provided?			


 Dr. Rupali H. Mahakhode
 Organizing Secretary



Rupali H. Mahakhode

Dr. Rupali H. Mahakhode
Organizing Secretary

Rupali H. Mahakhode

Signature of IQAC Coordinator
Internal Quality Assurance Cell
(IQAC)

S. S. E. S. A. Science College
(Congress Nagar, Nagpur)



Rupali H. Mahakhode

Signature of Principal
Principal
S. S. E. S. Amravati's
Science College, Nagpur.

*xx) Swachh Bharat Abhiyan***“SHRAMSANSKAR SHIBIR”****An initiative to inculcate knowledge with practical learning among students****Themed: Swaccha Bharat Abhiyan****Dated: 25/12/2022****2022-23**

Monitored by:

1. Dr. Prashant Utale, N.S.S Program Officer, Science College, Nagpur
2. Dr. Shilpa R. Gedam, Co-officer, N.S.S Unit, Science College, Nagpur
3. Dr. Sugandha V. Khangar, Co-officer, N.S.S Unit, Science College, Nagpur
4. N.S.S Members, Shri B.T. Kumbhare and Dr. R.P. Sonwalkar.

The National Service Scheme Unit of Shri. Shivaji Science College had organized “Shramsanskar Shibir” themed ‘Swaccha Bharat Abhiyan’ on dated 25 December 2022.

The main objective of the student to aware the students for cleaned the premises of the campus.





Principal of the College Prof. M. P. Dhore, NSS Officers, NCC officer, staff and students of the college participated in the Swachh Bharat Abhiyan

7) Memorandum of Understanding (MoU)

MEMORANDUM OF UNDERSTANDING

Between

Party No. 1: Shri Shivaji Education Society, Amravati's, Science College, Congress Nagar, Nagpur

And

Party No. 2: Swachh Association, 15, Laxmi Appartments, Opp. to Axis Bank, R.T. Road, Civil Lines, Nagpur

This deed of Memorandum of Understanding agreed on mutual consent executed on this 14th day of March 2024 between the Party No. 1 Shri Shivaji Education Society, Amravati's, Science College, Congress Nagar, Nagpur, herein after referred to as College, signed by **Prof. M. P. Dhore, Principal**, an authorized representative of the Party No. 1 and Party No. 2, Swachh Association, Nagpur, hereinafter referred to as Association, signed by **Mr. Sharad Paliwal** an authorized representative of the Party No. 2.

Whereas, the **party No. 1** is a higher educational institution imparting Science education at undergraduate and postgraduate level established in 1987 is recognized by the Government of Maharashtra, and **party no. 2** is the NGO working in the field of Solid waste, Plastic waste and E-Waste management, and social services and registered with Registrar of Societies with Registration number.- F-33478,

The Partners, after due consideration of various aspects, have arrived at the following understanding:

Objectives of the MOU:

- 1) To promote and enhance societal awareness by imparting permission of visit and training to the students of the college.
- 2) To facilitate regular interaction including guest lecturers to promote projects of social significance between faculties, students of the College and your organization.
- 3) To provide active inputs in the area of social and environmental sector and to promote active participation of our students in work undertaken by your organization.
- 4) To handle solid waste, plastic waste and e-waste disposal

Date of Effect:

This Memorandum of Understanding will come into effect on the date of signature and will remain in force until either side delivers written notification to the other of its intention to terminate the Memorandum, in that case it will be terminated two months after the receipt of such a notification.

Term of MOU:

This MOU will be effective for five years from the date of signature and can be renewed based on mutual consent.

Modification:

The MOU may be amended by mutual consent through an exchange of correspondences between the two Parties.

Secrecy of the MOU:

Each party shall maintain complete secrecy of the MOU and shall not disclose any matter to others during the term of the MOU.

Terms and Conditions:

- 1) Both parties will depute their experts as per the rule of Organization and/or College for limited period with mutual consent.
- 2) Joint guidance will be provided to the students for their projects/thesis with research area of interest.
- 3) Organization may seek assistance/guidance from the College to undertake events of social significance.
- 4) Organization will allow students of the College for visit/training to provide them with an exposure to various events undertaken by the organization.

In the witness where of the parties here to the agreement has executed this deed on the date as herein before mentioned.

AGREED:

Mahendra P. Dhore
14.3.2024 Principal
(Prof. Mahendra P. Dhore)
For SSESA's Science College,
Congress Nagar, Nagpur.



Sharad Paliwal
(Mr. Sharad Paliwal)
Swacch Association, Nagpur

Authorized Signatory

SSES Amt's Science College	Swacch Association, Nagpur
Congress Nagar, Nagpur. 440012	15, Laxmi Apartment, Civil Lines, Nagpur 440001
Contact Details-	Contact Details- 9850489953
E-mails: shivajiscience_ngp@yahoo.com	E-mails: swacchnagpur@gmail.com
www.sscnagpur.ac.in	Web: www.swacchnagpur.org

Witness1: *R. N. Deshmukh*
Prof. R. N. Deshmukh
Head, Dept. of Botany

Witness2: *P. S. Tiwari*
Prof. Mrs. P. S. Tiwari
Dept. of Botany

Mrs. Anasuya Kale Chabrani
Witness3:
Mrs. Anasuya Kale Chabrani
Director,
Swacch Association

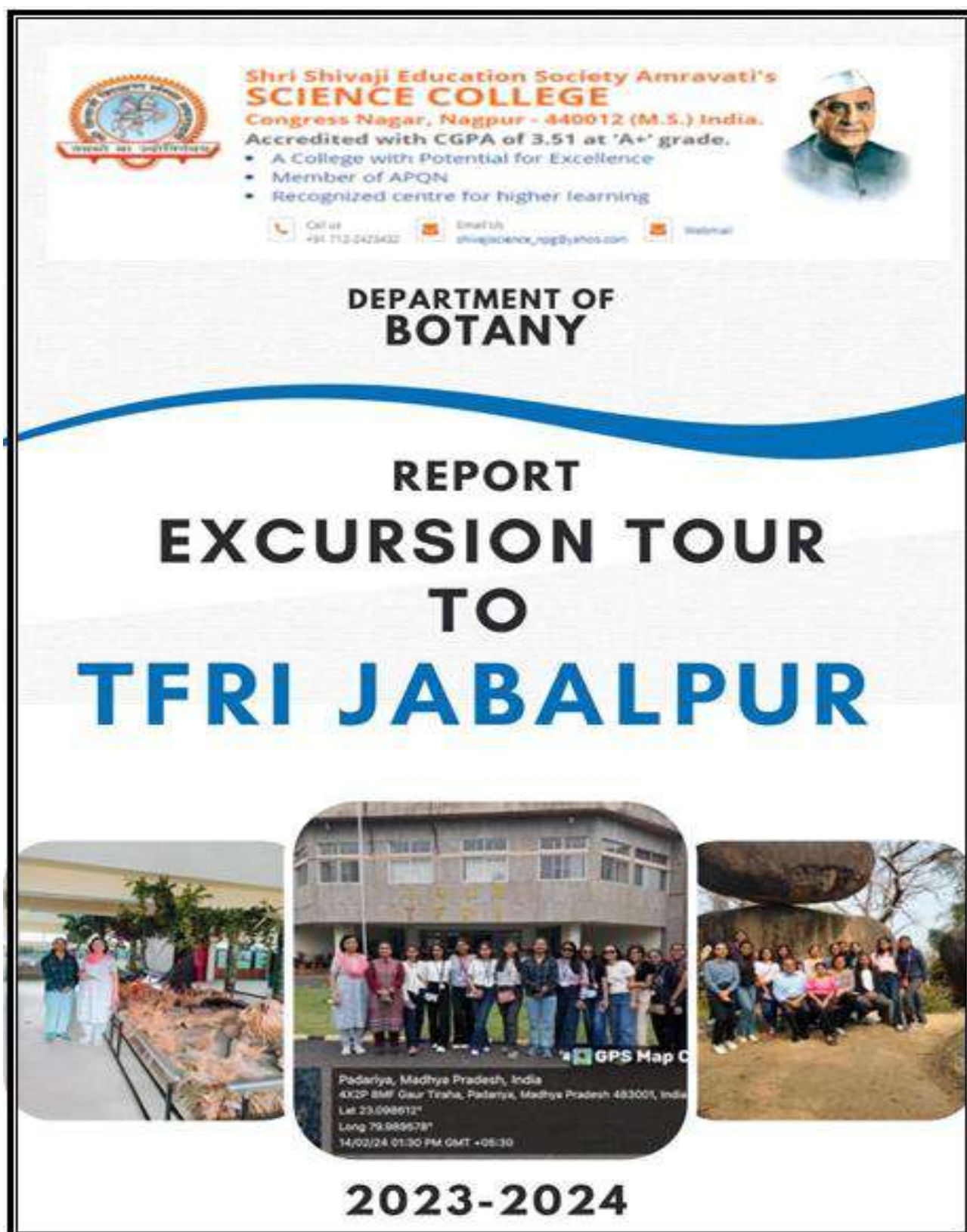


Witness 4: *Y. K. Meshram*
Prof. Y. K. Meshram
Dept. of Chemistry



8) Report on environmental promotion and sustainability activities conducted beyond the campus with geo-tagged photographs with caption and date.

i) Excursion Tour TFRI Jabalpur



NOTICE

All students of B.Sc. VI SEM Botany are informed that a tour of TFRI JABALPUR, will be conducted for the academic year 2023-24. The visit will showcase innovative research in plant breeding, molecular biology, and biotechnology. Interested students can contact coordinator Dr Punita Tiwari.

Date: 13-16 Feb, 2024

DEPARTMENT OF
BOTANY

Venue: Department of Botany

REPORT EXCURSION TOUR TO

TFRI JABALPUR

Bany



Head, Dept of Botany

Prof. R.N. Deshmukh

DEPARTMENT OF BOTANY
SHRI SHIVAJI EDUCATION SOCIETY
AMRAVATI'S SCIENCE COLLEGE
CONGRESS NAGAR, NAGPUR

P. S. Tiwari

Coordinator

Prof. P. S. Tiwari

2023-2024

Report on Excursion Tour to TFRI Jabalpur

Duration:

13th February to 16th February, 2024

Overview:

A group of 6th semester Botany students from Shri Shivaji Science College Nagpur, accompanied by faculty members Mrs. Punita Tiwari and Ms. Aishwarya Zure, embarked on an enriching two-day excursion tour to Jabalpur. The tour included visits to several key locations, providing a blend of educational and cultural experiences.

Spot 1: Tropical Forest Research Institute (TFRI)

Introduction:

TFRI Jabalpur is a regional institute under the Indian Council of Forestry Research & Education. Established in April 1988, the institute focuses on research in forestry and ecology for the central region of India.

Geography and Location:

Located southeast of Jabalpur, Madhya Pradesh. The campus spans 109 hectares and features diverse tropical forests.

Infrastructure:

Comprehensive facilities including laboratories, a library, residential complex, and various other amenities.

Tissue Culture Lab Insight:

Orientation on tissue culture principles and techniques. Practical exposure to micropropagation stages: shoot multiplication, rooting, and acclimatization.

TFRI Museum:

Exhibits on tree anatomy, wildlife, and forest interactions. Provides valuable insights into forestry and ecological research.

Conclusion:

The visit to TFRI offered practical knowledge of tissue culture techniques, enhancing students' understanding and interest in biotechnology.

Spot 2: Cruise on Bargi Dam

Bargi Dam: A multipurpose dam on the Narmada River, crucial for hydroelectric power generation and irrigation.

Activities: Relaxing boat ride, learning about the dam's role in the region's development.

Spot 3: Narmada Ghat and Aarti

Experience: Spiritual ambiance with evening prayers and aarti at the Narmada Ghat, providing a serene conclusion to the first day.

Spot 3: Balancing Rocks

Description: A natural rock formation showcasing a large rock balanced on a smaller one.

Location: Within the Madan Mahal Fort complex, offering panoramic views of Jabalpur.

Spot 4: Bhedaghat Marble Rocks and Dhuandhar Falls

Marble Rocks: Boat ride through the gorge, observing the sunlight effects on the marble cliffs.

Dhuandhar Falls: Known for its misty appearance and religious significance. The falls offer a spectacular view of the Narmada River plunging down a gorge.

Spot 5: Kachnar City Temple

Features: 76 feet tall statue of Lord Shiva, serene garden, and smaller statues.

Experience: Evening visit providing a peaceful and spiritual environment.

Conclusion:

The excursion to Jabalpur was a memorable blend of adventure and learning. It provided the students with invaluable insights into tissue culture and allowed them to explore the cultural and natural beauty of Jabalpur. The trip was well-organized, ensuring a smooth and enriching experience for all participants.



Students along with Prof. P.S.Tiwari at TFRI



TFRI : INSIDE PLANT TISSUE CULTURE LAB



TFRI : DEMONSTRATION OF MICROPROPAGATION

उ०व०अ०सं० संग्रहालय
TFRI MUSEUM



2023-2024

TFRI : MUSEUM

Sr. No.	Roll No.	Name Of Student	Signature
1		ATKAR PRANAY RAVIKIRAN	
2	Ku	BAGDE BHAWANA KESHAV	ABSENT
3	Ku	BARIK PRACHI VINOD	
4		BHATKULKAR AKSHAY SHRIDHAR	
5	Ku	BISHT TANUJA RAJENDRA	
6	Ku	CHAVHAN AKANSHA RAJU	
7	Ku	CHHAWARE TASBIHA HAPIJUL	
8	Ku	CHITMITWAR RAKSHITA AJAYKUMAR	
9	Ku	DHAWANKAR ISHA UMESH	
10	Ku	DUBE PRIYANSHI NAGENDRA	
11	Ku	FUNNE KAMINI GAJANANRAO	
12	Ku	GAURKAR SAMIR LILADHAR	
13	Ku	GAUTAM SALONI VINOD	
14	Ku	GIRI ADITI SHARAD	
15	Ku	HEDAU AYUSHI LAXMINATH	
16	Ku	JANGAM AKANKSHA PRABODH	
17	Ku	JAIN ADITI AMIT	
18		JAMBHULE ROHIT PRABHAKAR	
19	Ku	KHARCHE SHRAVANI ANIL	
20	Ku	KHARE ANUSHKA ANAND	
21	Ku	KHOBRAKAR KOMAL LILADHAR	
22	Ku	KHOPE POONAM PRAVIN	
23	Ku	KUBDE THORVI NARENDRA	
24	Ku	KUKDE VAISHNAVI DILIPRAO	
25	Ku	MARAPRANALI PRABHAKAR	
26	Ku	MARASKOLHE PAYAL GANPAT	
27	Ku	MEHTA PALAK KALPESH	



2023-2024

P. S. Tiwari

Coordinator

Prof. P. S. Tiwari

Action Taken Report

On the 13th to 16th of February, the Department of Botany at Shri Shivaji Science College, Nagpur organized a two-day excursion to Jabalpur for 6th semester students. The tour, led by faculty members Mrs. Punita Tiwari and Ms. Aishwarya Zure, provided practical exposure to tissue culture techniques at the Tropical Forest Research Institute. Students also explored significant cultural and natural sites, including Bargi Dam, Narmada Ghat, Balancing Rocks, Bhedaghat Marble Rocks, Dhuandhar Falls, and Kachnar City Temple. The trip was successfully executed, enriching students' academic and cultural understanding.

FEEDBACK FORM

Sr.No.	Question	Response		
		Good	Better	Average
1)	How would you rate the organization and planning of the excursion?			
2)	How was your experience at the Tropical Forest Research Institute?			
3)	How satisfied were you with the accommodation and dining arrangements?			
4)	How likely are you to recommend similar visits to peers for educational purposes?			



2023-2024

ii) Visit to GSI Field Training Centre, Parshivani and Ramtek

Department of Geology, SSEA's Science College, Nagpur in association with Geological Survey of India Field Training Centre, Nagpur" on 6th February 2024 at 7:30 AM. Under the Guidance of Mr. Rashtrapal Chavhan (Director, GSIFTC, Nagpur) and Dr. Chatrapal Ramteke (Geoscientist from GSIFTC, Nagpur). All three years of Geology students, and faculty members were present in the field. This excursion aimed to give knowledge about field aspects and how they are useful for the Geology peoples were explained by the geoscientists. During the excursion, many field-related questions were asked by the students to scientists and answers were given by the respective people The excursion was successfully organized in the Parseoni and Ramtek area.



Mr. Rashtrapal Chavhan (Director, GSI Field Training Centre Nagpur) interacting with students in a field



Mr. Rashtrapal Chavhan (Director, GSI Field Training Centre, Nagpur) explaining about the toposheets.

iii) Study tour and Experimental Learning Workshop at MGIRI, Wardha

The Department of Chemistry has organized one day study tour and hands-on training workshop for the students of M.Sc Chemistry on 18th October 2023 at Mahatma Gandhi Institute for Rural Industrialization(MGIRI), Wardha. The main objective of the workshop was to provide various career opportunities for students and holistic development while taking education. As a part of experiential learning hands on activities were provided in the event. During the study tour and workshop following demonstrative session were conducted.

Food Production, Herbal Production, Craft design, Khadi and Textile

At the end of all activities oral and written feedback and suggestions were collected from all participants.

Total 30 participants from post graduate chemistry department were participated and got the benefit of this workshop.



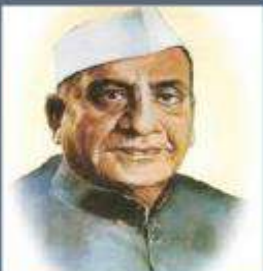



iv) Distribution of Chem Clean Floor Cleaner to Ramkrushn Math, Nagpur

This year, on 26th July 2023, the Chemistry Department distributed Chem Clean Floor Cleaner to Ramkrushn Math in Congress Nagar. A total of 12 liters of floor cleaner, in various fragrances, was handed over to Mr. Dahnarj, the warden of the hostel at Ramkrushn Math. This quantity is sufficient to meet their cleaning needs for one year. The distribution was carried out under the Swachh Bharat Scheme, reinforcing the department's commitment to promoting hygiene and cleanliness in the community.




v) Celebration of World Water Day

Inter-University
One Day Hands-On Training Session
on Advanced Water Testing Kit
25/03/2023
Organized By the Department of

Dr. Panjabrao Alias Bhausaheb Deshmukh's 125 Birth Anniversary Year
Rashtrasant Tukadoji Maharaj Nagpur University Centenary Year



Prof. M. P. Dhore
Principal
Patron

Prof. R. U. Khope
HOD Chemistry

Prof. (Mrs) Y. K. Meshram
Co-ordinator

Dr. S. S. Dhote
Co-ordinator

SSES Amravati's science college Congress Nagar, Nagpur, Department of Chemistry organised a guest lecture and Inter-University hands on training on Water testing kit on World Water Day on 25th March 2023. Principal Dr M. P. Dhore, speaker Dr Vijay Nagpurkar, Suryodaya College of Engineering and Technology Nagpur and Head department of Chemistry Dr R U Khope were present on this occasion .

Principal Dr. M. P. Dhore enlightened the students about the importance of water day. On this occasion Dr Vijay Nagpurkar highlighted on water pollution and different methods of water purification. Dr. Yogita Meshram and Dr Sarang Dhote demonstrated advanced water testing kit in the laboratory. For this 16 students and staff members of different colleges affiliated to RTM Nagpur university, Nagpur, and Gondwana University, Gadchiroli present. As a part of consultancy, Water Testing kits were distributed to different colleges. The program was conducted by Dr Priyadarshini Deshmukh and vote of thanks was given by Dr Shubhangi kene. All the staff members of department of chemistry. Dr Utale, Dr Gunjate , Dr Urkude, Dr Reshal Deshmukh, Dr Priyadarshini Deshmukh , Dr kene and students were present on this occasion.

List of Participated Institutes Name of College	Name of University
Dr. Khatri Mahavidyalaya, Chandrapur	Gondwana University
N. H. College, Bramhapuri	Gondwana University
R. M. G. Arts Commerce College, Naghbhid	Gondwana University
S. G. M. Mahavidyalaya, Higna, Nagpur	RTM Nagpur University
Y. C. Arts, Commerce and Science College, Lakhandur	RTM Nagpur University
J. D. Patil Mahavidyalaya, Daryapur	SGB Amravati University
Nabira Mahavidyalaya, Katol	RTM Nagpur University





Students of the dept. participated in intercollegiate power point presentation on World Environment Day jointly organized by Pratibha Shakti- Vidarbha Chapter & Institute of Science, Nagpur on 25th June 2021 to spread awareness about climate change. Students from our department bagged 1st , 2 nd & 3rd prize respectively. Dr. R.H. Mahakhode was the Organizing secretary of competition.

Consultancy Project Report: Development and Implementation of Water Testing Kit for Rapid Analysis

Project Overview:

The Chemistry Department of Shri Shivaji Education Society's Science College, Nagpur, undertook a consultancy project aimed at developing a Water Testing Kit for rapid on-field analysis. The project was led by **Dr. Sarang S. Dhote and Dr. Yogita K. Meshram**, with the primary goal of providing a practical and hands-on learning experience for undergraduate students.

Objective:

The main objective of the project was to design a user-friendly Water Testing Kit that could be employed by students for efficient and rapid water analysis in real-world scenarios. The initiative aimed to enhance the practical knowledge of undergraduate students and contribute to water quality assessment.

Development Process:

Under the expert guidance of Dr. Dhote and Dr. Meshram, the team meticulously designed and assembled the Water Testing Kit. The kit incorporated essential components for assessing key water quality parameters, ensuring simplicity in operation while maintaining accuracy in results. The development process focused on creating a robust tool that could be easily utilized by students with minimal training.

Distribution to Educational Institutes:

The Water Testing Kit was distributed to various educational institutes affiliated with RTM Nagpur University, SGB Amravati University, and Gondwana University, and also to the Environmental Agency. This strategic dissemination aimed to extend the benefits of the project to a broader academic community and foster collaboration in the realm of water quality assessment.

Demonstration Sessions:

Dr. Sarang S. Dhote conducted comprehensive demonstration sessions for students in all institutes that acquired the Water Testing Kit. The sessions provided insights into the proper

usage of the kit, interpretation of results, and an overall understanding of water quality parameters. These demonstrations played a crucial role in ensuring that the end-users could utilize the kit effectively.

Hands-on Training on World Water Day:

To commemorate World Water Day on March 25, 2023, hands-on training sessions were organized under the guidance of Dr. Yogita K. Meshram and Dr. Sarang S. Dhote. These sessions allowed students to actively engage with the Water Testing Kit, further enhancing their practical skills. The World Water Day event provided a platform for students to apply their knowledge in a meaningful and timely context.

Conclusion:

The consultancy project undertaken by the Chemistry Department at Shri Shivaji Education Society's Science College has successfully resulted in the development and implementation of a valuable Water Testing Kit. This initiative not only contributes to the academic advancement of undergraduate students but also serves as a practical solution for water quality assessment in the affiliated institutes. The dedication and expertise of Dr. Sarang S. Dhote and Dr. Yogita K. Meshram have played a pivotal role in the project's success, setting a standard for best practices in experiential learning within the field of chemistry.



Demonstration of Advanced On Field Water Testing Kit by Dr. Sarang Dhote @ J. D. Patil Sangludkar Mahavidyalaya, Daryapur Dist. Amravati, [M.S.], India on 13/11/2022.



Demonstration of Advanced On Field Water Testing Kit by Dr. Sarang Dhote @ Arvindbabu Deshmukh College, Bharsingi Dist. Nagpur, [M.S.], India on 21/11/2022.



Hand Over Advanced Water Testing Kit to Dr. N. Patankar Chairman of Envinzoa, Nagpur.

vi) Field Excursion Tour to Pune (Maharashtra) and Gokak (Karnataka)

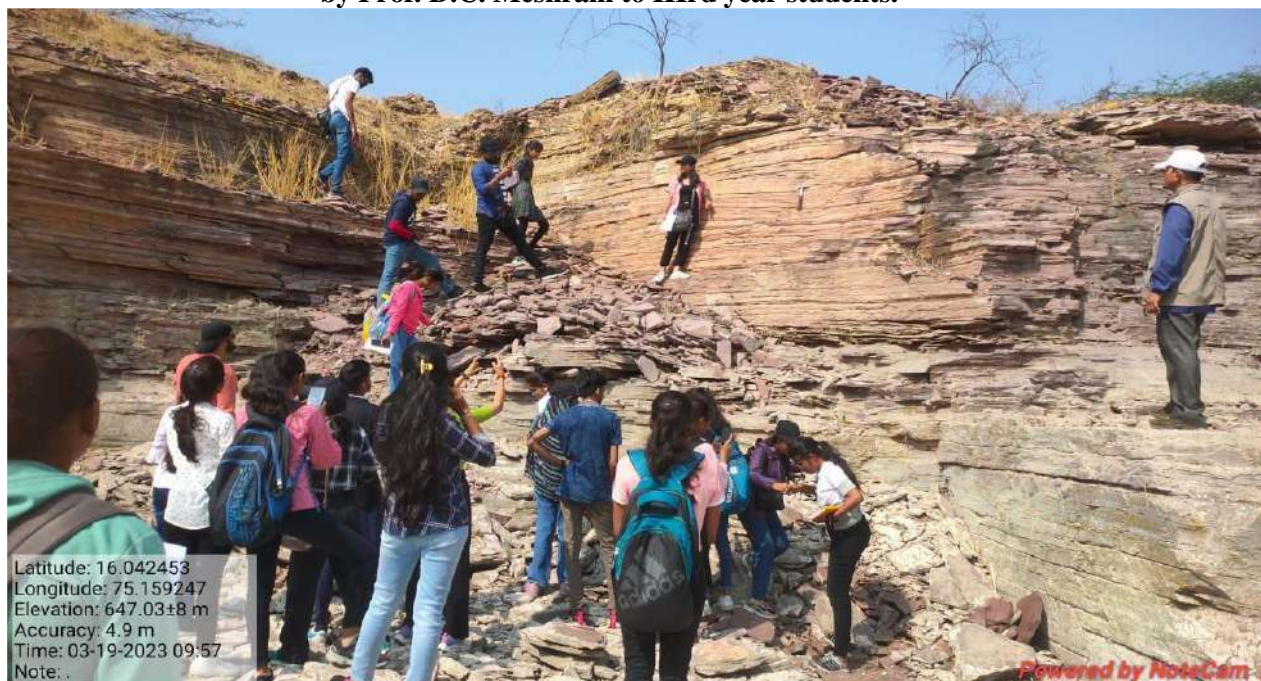
Department of Geology arranged 3rd year six-day field excursion tour to Pune (Maharashtra) and Gokak (Karnataka). On 17th March 2023 students visited Department of Geology, Savitribai Phule Pune University. PG department conducted a small program. Dr. A. N. Dongre gave a brief idea about the Department and faculty members continued by Prof. S. J. Sangole, HoD, Geology Department lecture on a career in Geology. Students were exposed to the department history, and types of equipments.

From 18th – 2st March field excursion was in Gokak area under the guidance and mentorship of Prof. D. C. Meshram, Former HoD, Department of Geology, Savitribai Phule Pune University, Pune. On 18th March Lithology of Gokak hill was carried out and Gokak waterfall. On 19th March Visit to Pavanputra Minerals mine, It is a limestone dolomite mine. Mr Shankar Narayan, Field Manager, Pavanputra Minerals gave a brief introduction about the mine, further all the details of limestone and dolomite rock formation process and sampling

collection was explained by Prof. D. C. Meshram. Mr Shankar Narayan offer sugarcane juice as refreshment and field samples for departmental collection. Students visited Godachinmalki waterfalls (cascade fault) of the □ All field excursions were successfully completed enriching student's knowledge regarding field geology. Students have submitted their respective Geological Excursion Reports with necessary field samples and photographs.'



Geological Tour Excursion to Gokak (Karnataka). In the field rock formation explanation given by Prof. D.C. Meshram to IIIrd year students.



Field Excursion tour to Gokak (Karnataka) With IIIrd year students, Faculty members and mentor Prof. D.C. Meshram, SPPU University.

vii) Celebration of Khanij Diwas

Visit IBM (Indian Bureau of Mines) on 1st March 2023 as Khanij Diwas on the occasion of completing 75 years of its existence on 1st March 2023. Different talks and introductions were given by different industries and companies including government and semi-government industries. Students were given exposure to the exhibition, Students were also given hands-on training on different instruments displayed in the exhibition.

Action taken:

Department of Geology, SSES Amt's Science College, Congress Nagar, Nagpur had organized a one day "visit to IBM (Indian Bureau of Mines) on 1st March 2023 as Khanij Diwas on the occasion of completing 75 years of its existence on 1st March 2023. Feedback form was given to students, students filled the feedback form on the basis of student's feedback we analyzed the feedback and represented the feedback of student graphically.



Visit to the Indian Bureau of Mines (IBM) on its 75th anniversary named Khanij Diwas.



Presentation in IBM.

viii) Workshop on Eco Friendly Holi Colors

Workshop on Eco-Friendly Holi Colours was organized on 1st March, 2023, to raise awareness of adverse effects of conventional colours. Through this workshop, college students were aware about to celebrate Holi in a safe, eco-friendly, and sustainable way. As a part of outreach activity this Eco-friendly colours will be supplied to various NMC schools, old age homes, and the common people in slum areas.

**Vidarbha Level One Day workshop on Eco Friendly Holi Colours**

Workshop on Eco-Friendly Holi Colours was organized on 1st March, 2023, to raise awareness of adverse effects of conventional colours. Through this workshop, college students were aware about to celebrate Holi in a safe, eco-friendly, and sustainable way. As a part of outreach activity this Eco-friendly colours will be supplied to various NMC schools, old age homes, and the common people in slum areas.



ix) Tree Plantation by NSS Unit at Shivaji High School, Jagnade Sqr, Nagpur

On Thursday, 13th October 2022 at 10:30 a.m. the Tree Plantation Program was organized by NSS unit in the premises of Shivaji High School, Jagnade square Nagpur. Prof. M. P. Dhore, Principal of Shivaji Science College guided the students at Shivaji High School about Tree Plantation. NSS officer, Prof Prashant Utale, NSS Co-officer Dr. Sugandha V. Khangar and Sr. Prof R. Y. Deshmukh from Shivaji Science College and staff members of Shivaji High School were present for the event. Lastly NSS students of our college distributed snacks to school students. The NSS volunteers and officers takes many efforts to success this program. Total 44 students and staff were participated in Tree Plantation.



x) Field Excursion Tour to Ramtek and Koradi

Department of Geology arranged 2nd year one day field excursion tour to Ramtek hill (Maharashtra). The tour was carried out in the presence of 3 faculty members and all second-year students. Many samples were collected by students for the departmental lab. And personal collections were also done. In this field mapping, lithology and rock sections were studied. In the end, Ram temple was explored. Field excursions were successfully completed enriching students' knowledge regarding field geology. Students have submitted their respective Geological Excursion Reports with necessary field samples and photographs.



Hands-on training for all students and compulsory field visits to Ramtek.

Department of Geology arranged 1st year one day field excursion tour to Koradi (Maharashtra) and nearby areas. The tour was carried out in the presence of 4 faculty members and 84 students were present. Many samples were collected by students for the department and personal collection. field excursions were successfully completed enriching students' knowledge regarding field geology. Students have submitted their respective Geological Excursion Reports with necessary field samples and photographs.



One day field visit to Koradi area near Nagpur with all faculty members and Ist year students.

xi) Celebration of 173rd Foundation Day of GSI

Visit to GSI (Geological Survey of India) on 173rd foundation day on Geological Survey of India Regional Headquarters with 2 faculty and 20 students. Dr. Rashtrapal Chavan, Director, Training and placement, explained to students about various aspects of Geology and details of continental drift. Dr. Ramteke accompanied him. The museum visit was administered by Dr. Reena Meshram, (Museum In-charge) and Mr. Soni (Chief mineralogist). Deputy Director General (Central region) Dr. Dekate also had interaction with students and he spoke about career opportunities in geology and GSI.



*xii) Joy of Giving Activity at Slum Area Chunabhatti, Nagpur***Joy of Giving**

**'Let there be pleasure in giving others pleasure
Sheer happiness, beyond all, one might measure**

It is in giving that we received only then eternal peace is achieved'.

Soaking in the spirit of Sharing is caring, Shivaji Science College Nagpur. Organized Joy of Giving activity, where all the staff members of the Chemistry department as well as students participated by donating, Stationery items like books, pens, rubber, scale, and Biscuits to the poor needy Children of the slum area Chunabhatti. The students also visited the house of underprivileged families and donated toys to their kids. Students learned the value of giving and truly celebrated the Joy of sharing. The students were delighted to see the happiness on the faces of the poor Children.

*xiii) Visit to VNIT Exhibition, Nagpur*

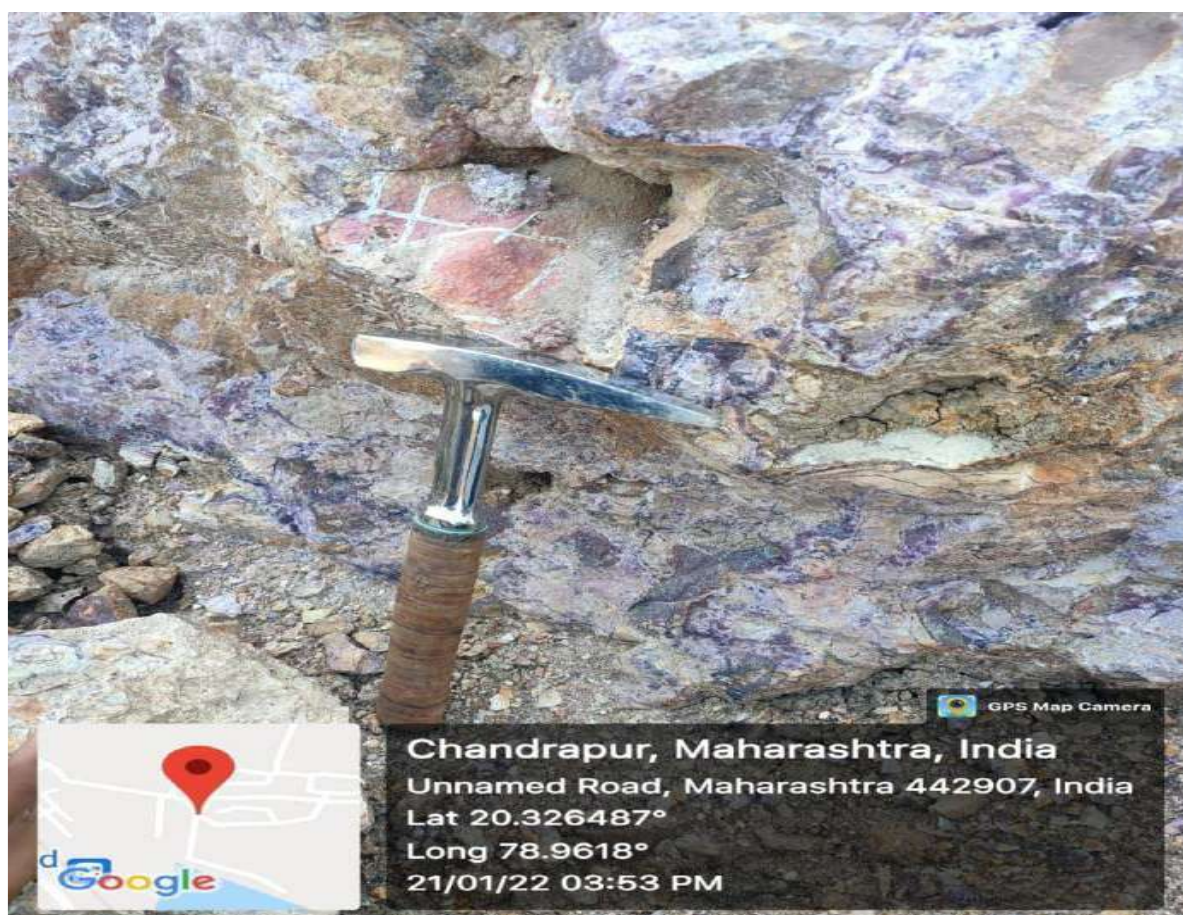
Department of Geology, SSESA's Science College, Nagpur visited VNIT for Science Exhibition on Science Week i.e., on Thursday, 24 February 2022 at 2:30 PM. Students interacted with faculty members and took a keen interest in the exhibition. There were 16 students and 3 faculty members. All students were from 3rd year.



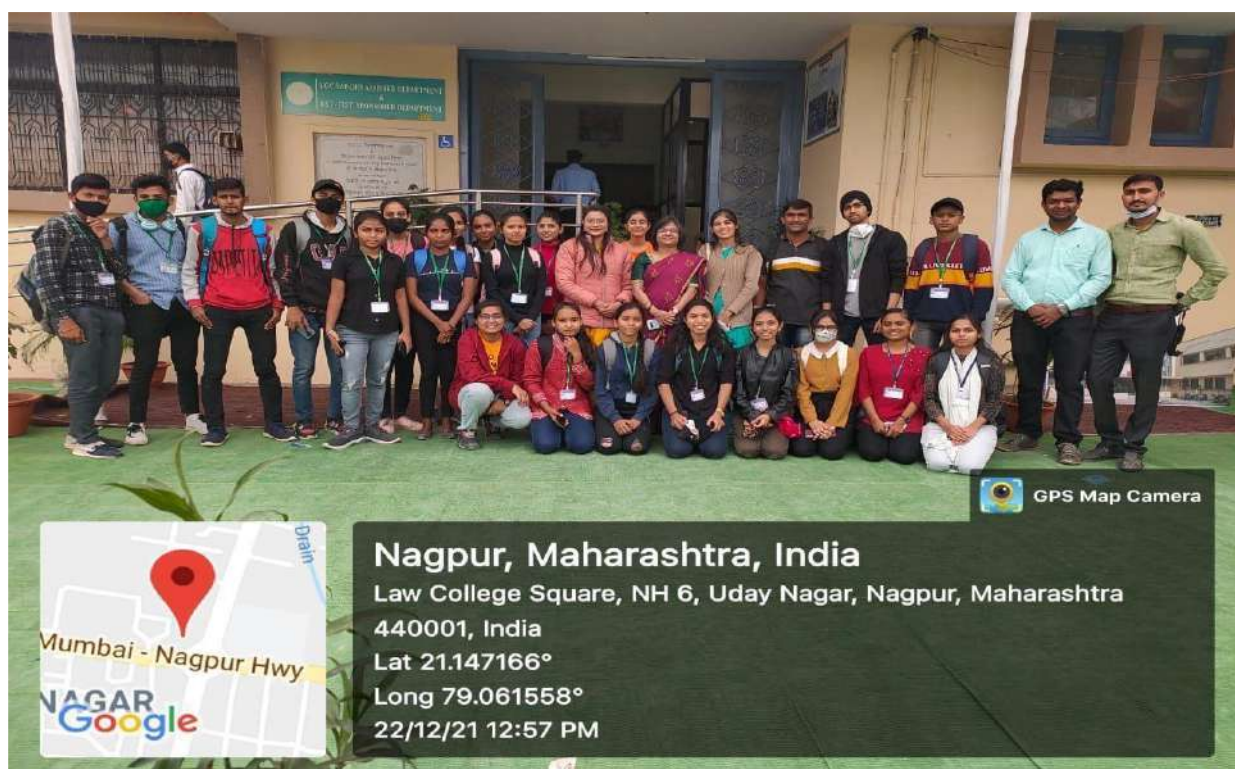
Visited VNIT for Science Exhibition on the occasion of Science Week

xiv) Field Excursion Tour to Dongargaon Fluorite Mine and RTMNU, Nagpur

Department of Geology, SSESA's Science College, arranged a field excursion tour in Dongargaon Fluorite Mine with 58 students, and three staff members. It is an open-cast mine containing fluorite minerals and some structural features in the periphery of the mine-like fold. The manager of the mine gave a tour and explained the working system and the importance of the mine. All field excursions were successfully completed, enriching student's knowledge regarding field geology. Students have submitted their respective Geological Excursion Reports with necessary field samples and photographs.'



Department of Geology, SSESA's Science College, Nagpur visited PG Geology Department, RTM Nagpur for Exhibition on Wednesday, 22 December 2021 at 11:00 AM. Students interact with faculty members and took a keen interest in the exhibition. There were 27 students and 3 faculty members. Students took interest in dinosaur fossils and interacted with Prof. Badana Samant and Mr. Anup to know more about the dinosaurs.

**Action taken:**

Department of Geology, SSES Amt's Science College, Congress Nagar, Nagpur had organized a one day "visited PG Geology Department, RTM Nagpur for Exhibition on Wednesday, 22 December 2021 at 11:00 AM". Feedback form was given to students, students filled the feedback form based on student's feedback we analyzed the feedback and represented the feedback of student graphically.

xv) Tree Plantation

On Thursday, 13th October 2022 at 10:30 a.m. the Tree Plantation

Program was organized by NSS unit in the premises of Shivaji High School, Jagnade square Nagpur. Prof. M. P. Dhore, Principal of Shivaji Science College guided the students at Shivaji High School about Tree Plantation. NSS officer, Prof Prashant Utale, NSS Co-officer Dr. Sugandha V. Khangar and Sr. Prof R. Y. Deshmukh from Shivaji Science College and staff members of Shivaji High School were present for the event. Lastly NSS students of our college distributed snacks to school students. The NSS volunteers and officers takes many efforts to success this program. Total 44 students and staff were participated in Tree Plantation.



Principal of the College Prof. M.P. Dhore guiding the students of Shivaji High School, Jagnade square Nagpur and our NSS students.



Tree Plantation by NSS students**Tree Plantation by Respected Principal sir, NSS officers & NSS Students**

xvi) Swaccha Bharat Abhiyan

An initiative to inculcate knowledge with practical learning among students

Themed: Swaccha Bharat Abhiyan

Venue: Fetri

Dated: 02/02/2023 - 08/02/2023 NSS CAMP 2022-23

N.S.S Camp:

Day 1: Thursday, 02nd February 2023

Monitored by:

5. Dr. Prashant Utale, N.S.S Program Officer, Science College, Nagpur
6. Dr. Shilpa R. Gedam, Co-officer, N.S.S Unit, Science College, Nagpur
7. Dr. Sugandha V. Khangar, Co-officer, N.S.S Unit, Science College, Nagpur
8. N.S.S Members, Shri B.T. Kumbhare and Dr. R.P. Sonwalkar.

The National Service Scheme Unit of Shri. Shivaji Science College had organized a 7-day residential camp titled "Shramsanskar Shibir" themed 'Swaccha Bharat Abhiyan' from 02nd February 2023 to 08th February 2023.

The camp was organized for the overall development of the students and to create awareness about cleanliness among students.

The main objective of the camp was to provide students with a comprehensive outdoor education experience and to have fun while learning lifelong lessons.

On 02nd Feb, camp students arrived at the place and Cleaned the Premises of the camp.



SHRAMSANSKAR SHIBIR
Theme: Swachha Bharat Abhiyan
Venue: Fetri
Date: 23/03/2022 to 29/03/2022



Unnamed Road, Fetri, Maharashtra 441501, India

Latitude
21.2073508°

Longitude
78.99168706°

Local 08:43:19 AM
GMT 03:13:19 AM

Altitude 249.29 meters
Friday, 25-03-2022

Note : NSS Camp 2022 at Fetri



Unnamed Road, Fetri, Maharashtra 441501, India

Latitude
21.20736914°

Longitude
78.99170349°

Local 08:47:27 AM
GMT 03:17:27 AM

Altitude 259.47 meters
Friday, 25-03-2022

Note : NSS Camp 2022 at Fetri



Unnamed Road, Fetri, Maharashtra 441501, India

Latitude
21.20724744°

Longitude
78.99079713°

Local 08:41:36 AM
GMT 03:11:36 AM

Altitude 272.58 meters
Sunday, 27-03-2022

Note : NSS Camp 2022 at Fetri

Swachha-Bharat Abhiyan
Place : Fetri Dist.Nagpur
From 5 Jan 2020 to 11 Jan 2020
N.S.S CAMP : 2019-2020
Day 1: Sunday, 5 Jan 2020

Inauguration Ceremony of NSS Camp

The National Service Scheme of Shri Shivaji Science College Nagpur organized 7 days camp from 5 Jan to 11 Jan, moto on Swachha Bharat Abhiyan.

The camp was inaugurated by the foster director of Shri Shivaji Science College Nagpur and working member of Shivaji Education Society Amravati Mr. Hemant Kalmegh, director of N.S.S. committee Mr. Keshavrao Gavande, chief guest of the ceremony and Working member of shri shivaji education society Mr. Keshavrao Metkar. Miss. Dhanashri Dhomane Sarpanch gram Panchayat Fetri, Mr. Ashish V.Ganorkar, Dr. G.R. Avachar vice principal of science college Nagpur, Dr. Prashantshing Utale N.S.S. coordinator science college Nagpur.

The inaugurated function was started at 12.30 pm; Director and chief guest interacted with student as well as gave information about N.S.S. at 6 pm all volunteers and coordinator pray community prayer.



N.S.S Unit Celebrated Birth Anniversary of Mahatma Gandhi And Lal Bahadur Shastri and Organize Campus Cleaning Under Swachha Bharat Abhiyaan

xvii) Study Tour Bor Dam in Maharashtra

Shri Shivaji Education Society Amravati's Science College
Congress Nagar, Nagpur
Department of Botany

REPORT
Study Tour 2022-2023

Excursions are arranged to give exposure to students. Field education is equally important as classroom teaching. It adds vigor in learning processes and relieves monotones of indoor education. Field study is an essential part of botany as plants are best studied in their natural habitat. These tours also help to build good repo amongst students and teachers.

As a part of B.Sc. Curriculum, one day trip was organized to Bor Dam District Wardha by Department of Botany, Science College Nagpur on 8th October, 2022 for semester III and Vth botany students. Total 4 teaching staff, 3 non teaching staff and 87 students were visited to Bor Dam. The major objective was to familiarize the students with the wild and cultivated flora and ecology of the region.

Bor Dam, is an earthfill dam on Bor river near Bori in the Bor Wildlife Sanctuary, Seloo Tahsil, Wardha district in State of Maharashtra in India. It is beautiful water reservoir surrounded by satpuda hills and famous for its scenic beauty and the jungle around it. Bor is superb destination to explore nature, landscape, wildlife and rural culture. The height of the dam above lowest foundation is 36.28 m (119.0 ft) while the length is 1,158 m (3,799 ft). The volume content is 0.002474 km³ (0.000594 cu mi) and gross storage capacity is 0.0138750 km³ (0.0033288 cu mi).

Topography:**Location of Bor Dam in Maharashtra**

Official Name : Bor Dam D01225

Location : Bori

Coordinates : 20.9729808°N 78.6991882°E  **Coordinates:** 20.9729808°N 78.6991882°E**Opening date :** 1965**Owner(s) :** Government of Maharashtra, India**Dam and spillways****Type of dam :** Earthfill**Impounds:** Bor river**Height :** 36.28 m (119.0 ft)**Length :** 1,158 m (3,799 ft)

Dam volume : 0.002474 km^3 (0.000594 cu mi)

Reservoir

Total capacity : 0.127420 km^3 (0.030570 cu mi)

Surface area : 13.506 km^2 (5.215 sq mi)

CLIMATE :

There are three seasons; summer, winter and the rainy season.

Summer is the hottest of the four temperate seasons, occurring after spring and before autumn. At or centred on the summer solstice, daylight hours are longest and darkness hours are shortest, with day length decreasing as the season progresses after the solstice. The earliest sunrises and latest sunsets also occur near the date of the solstice.

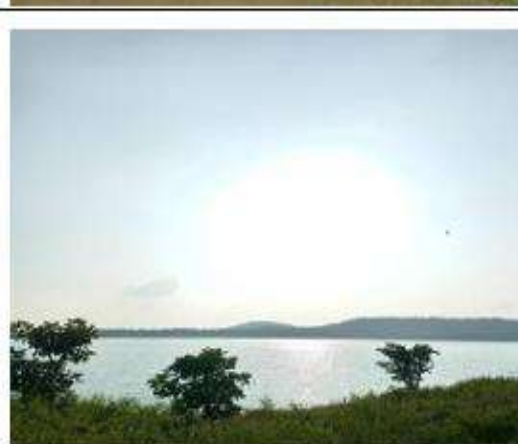
Winter is the coldest season of the year in polar and temperate climates. It occurs after autumn and before spring. The tilt of Earth's axis causes seasons; winter occurs when a hemisphere is oriented away from the Sun.

Rain is water droplets that have condensed from atmospheric water vapor and then fall under gravity. Rain is a major component of the water cycle and is responsible for depositing most of the fresh water on the Earth.

We have walked through the Bor dam and surrounding forest, exploring the plants on the way. Students were made to identify the plants with their scientific name, family, identifying characters along with their importance. Some of the flowering twigs have been collected for the study of the families in syllabus.

List of some Studied plants in Excursion tour

1. *Hibiscus esculentus* (Ranbhendi)
2. *Cassia auriculata* (Tarwar)
3. *Pithecellobium dulce* (Jungli imli)
4. *Sterculia foetida* (Jungli Badam)
5. *Tribulus terrestris* (Gokhru)
6. *Tectona grandis* (Teak)
7. *Santallum album*
8. *Butea monosperma*
9. *Diospyros melanoxylon*
10. *Terminalia elliptica* (Ain)
11. *Hyptis suaveolens*

**MAP – BOR DAM**

*(Vernonia cineraria)**Sesamum radiatum**Cassia tora**Tectona grandis (Teak)**Tribulus terrestris (Gokhru)*

Dr. R.P. Sonwalkar
(Tour In-charge)

Student List :
Field Visit to Bar Forest
Date: 8th October 2022

Sr. No	Student Name	Signature
1	Michael Madhavi Sanyal	
2	Maharaj Yash Jyoti	
3	Giri Divyanshu Shrivastava	
4	Jayant Kanchan	
5	Kharshi Y. Singh	
6	Prash Waghmare	
7	Yash Dheend	
8	Ashutosh	
9	Mirza Saifan Raza	
10	Bhagat Aditya Ramesh	
11	Nandini Kapse	
12	Kharshi Abhinav Shrivastava	
13	Dikshant Gidhade	
14	Pohankar Prayash Prashant	
15	Aditi Gai	
16	Aditi Jain	
17	Kulankar Sohan Suresh	
18	Banshika Arora Manoj	
19	Akhay Bhaskar	
20	Gaurav Anand Bhosale	
21	Yash Agarwal Aniket	
22	Hridya Ayush Lakshmi	
23	Bhagat Aditya Ramesh	
24	Nandini Kapse	
25	Namrata Chintan Prasad	
26	Madan Dikshant Sanyal	
27	Deyanidha Sankar	
28	Kanishk Pooja Vinod	
29	Shruti Pooja Sankar	
30	Gaurav Nare	
31	Diksha Jyoti Arun	
32	Bhagat Aditya Ramesh	
33	Nandini Kapse	
34	Rajesh Krishi Yash	
35	Kharshi Abhinav Shrivastava	
36	Rishi Madhav Ravi Singh	
37	Vishal Megha Vinod	
38	Bhagat Aditya Ramesh	
39	Nandini Kapse	
40	Pooja Nandini	
41	Pooja Nandini	
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87	Pooja Nandini	

Tour Incharge
Dr. R.P. Sonawale

Date: 12/09/2022

Shri Nityaji Education Society's Amravati's
Science College, Congress Nagar, Nagpur

Notice

All the students of B.Sc. Honours : (I) & (II) are hereby informed that, Department of Botany will be organizing a field visit to the forest as a part of your curriculum on dated 16/09/2022 to explore the flora in the forest habitat. All the students will be provided with the necessary transport and other facilities as required to give them a better experience in the forest. Kindly inform the Department of Botany by 10/09/2022.

Tour Incharge
Dr. R.P. Sonawale

Tour Incharge
Dr. R.P. Sonawale

Shri Shivaji Education Society Amravati's Science College
Congress Nagar, Nagpur
Department of Botany
Study Tour 2022-2023
Feedback

Thank you for participating in the study tour! We would greatly appreciate your feedback to help us improve future tours. Please take a few moments to rate the following aspects of the tour.

1. Organization and Planning

- ☐ Excellent
☐ Good
☐ Average
☐ Poor

2. Tour Guides' Knowledge and Expertise

- ☐ Excellent
☐ Good
☐ Average
☐ Poor

3. Transportation and Travel Arrangements

- ☐ Excellent
☐ Good
☐ Average
☐ Poor

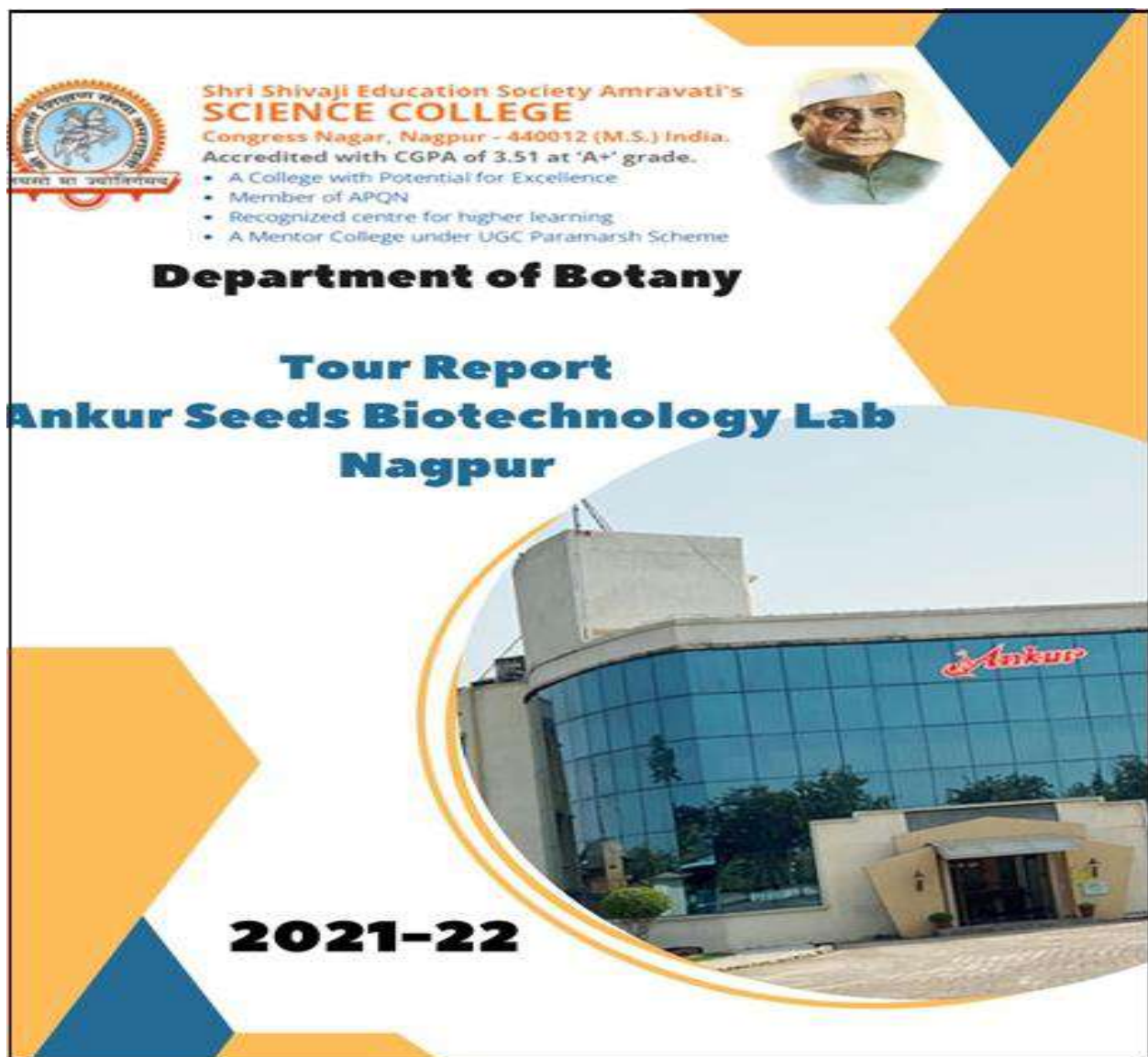
4. Quality of Educational Content

- ☐ Excellent
☐ Good
☐ Average
☐ Poor



Action taken :

The study tour organized by the Department of Botany under the guidance of Prof R. N. Deshmukh Head Department of Botany , Tour In-charge Dr. Reshma Sonwalkar at Bor Dam on October 8, 2022, several improvements have been implemented based on the feedback received. The educational materials used during the tour have been thoroughly revised to provide more detailed and relevant information aligned with current botany curriculum standards. Additionally, a training program was conducted for the tour guides to enhance their presentation skills and ensure that their explanations were clear and engaging. The tour itinerary has also been adjusted to allocate more time for on-site observation and interactive activities, allowing students to engage more effectively with the environment. These actions have led to improved feedback from participants, who now report a more enriching and informative experience. Future tours will continue to benefit from these enhancements, with ongoing monitoring to ensure continued success. Total 4 teaching staff, 3 non teaching staff and 87 students were visited to Bor Dam. The major objective was to familiarize the students with the wild and cultivated flora and ecology of the region.

xviii) Visit to Ankur seed Biotech Lab, Nagpur

NOTICE

All students of B.Sc. Botany are informed that a tour of Ankur Seeds Biotechnology Lab, Nagpur, will be conducted for the academic year 2021-22. The visit will showcase innovative research in plant breeding, molecular biology, and biotechnology. Interested students can contact coordinator Dr Punita Tiwari.

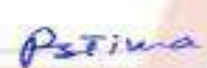
Date: 04/04/2024

Venue: Department of Botany


Head, Dept of Botany

Prof. R. N. Deshmukh
DEPARTMENT OF BOTANY
SHRI SHIVAJI EDUCATION SOCIETY
AMRAVATI'S SCIENCE COLLEGE
CONGRESS NAGAR, NAGPUR




Coordinator

Prof. P. S. Tiwari

Tour Report Ankur Seeds Biotechnology Lab, Nagpur Academic Year: 2021-22

Introduction to Ankur Seeds:

Ankur Seeds stands as a beacon of innovation and excellence in the field of plant breeding and biotechnology. With its sprawling 300-acre research farms and cutting-edge facilities, Ankur Seeds is at the forefront of developing sustainable agricultural solutions. The company's commitment to research and development is evident in its dedicated poly-houses, net-houses, and the 60,000 sq ft Breeding Support Centre located in Neri, near Nagpur.

Research and Development Initiatives:

Ankur Seeds boasts a team of around 200 highly skilled plant breeders and technicians who are engaged in groundbreaking research across various domains. The company's research endeavors span Molecular Biology, Plant Tissue Culture, Entomology, Pathology, Plant Physiology, and Biochemistry divisions. Notably, Ankur Seeds conducts transgenic research in cotton, rice, and vegetable crops to enhance insect resistance, abiotic stress tolerance, and virus resistance. The identification of germplasm with resistance to prevalent pests and diseases underscores the company's commitment to addressing the challenges faced by farmers.

Description of Facilities:

- **Pathology Lab:**
The Pathology Lab serves as a hub for studying plant diseases, pathogens, and their management strategies. Researchers meticulously analyze disease symptoms, identify causal agents, and devise effective control measures to safeguard crop health.
- **Fiber Testing Lab:**
In the Fiber Testing Lab, researchers assess the quality and properties of fibers produced by different crop varieties. This facility plays a pivotal role in ensuring the quality standards of fiber-based products and facilitating industrial applications.
- **Biochemistry Lab:**
The Biochemistry Lab is dedicated to unravelling the biochemical intricacies of plant metabolism and physiological processes. Researchers delve into enzyme kinetics, metabolic pathways, and biochemical signalling to gain insights into plant growth and development.
- **Entomology Lab:**
The Entomology Lab serves as a hub for studying insect pests and their impact on crops. Researchers conduct in-depth studies on insect behaviour, population dynamics, and ecological interactions to devise integrated pest management strategies for sustainable crop protection.
- **Plant Tissue Culture Lab:**
The Plant Tissue Culture Lab is equipped with state-of-the-art facilities for the propagation of plants under controlled conditions. Through tissue culture techniques, researchers achieve rapid multiplication of elite plant varieties, preservation of genetic resources, and production of disease-free planting material.

- **Molecular Biology Lab:**

The Molecular Biology Lab houses advanced equipment for studying plant genetics, gene expression, and DNA manipulation. Researchers harness molecular techniques such as PCR, gene cloning, and genetic transformation to unravel the genetic basis of traits and engineer crops with desirable characteristics.

Conclusion:

The visit to Ankur Seeds Biotechnology Lab provided a firsthand insight into the pivotal role played by research and technology in modern agriculture. We extend our heartfelt gratitude to Dr. R.N. Deshmukh and Dr. Punita S. Tiwari for their impeccable coordination and to Ankur Seeds for opening their doors and sharing their expertise. This enriching experience has undoubtedly broadened our horizons and inspired us to strive for excellence in the field of botanical sciences.



Exploring the forefront of agricultural innovation with our dedicated students and esteemed faculty member in front of Ankur Seeds Biotechnology Lab

Student list

Sr. No.	Roll No.		Name Of Student	Signature
1		Ku	ANAND AKANKSHA SANKET	<i>Anand</i>
2		Ku	ATRAM HIMANSHI SANJAY	<i>Atam</i>
3		Ku	BHANGE ASTHA RAMESH	<i>Astha</i>
4		Ku	BHATKULKAR SHAMAL DILIP	<i>Sham</i>
5			BHONGADE VEDANT SUDHIR	<i>Vedant</i>
6		Ku	DAHAYAT ISHA RAJENDRA	<i>Isha</i>
7		Ku	DEKAPURKWAR SHIVAM ATUL	<i>Shivam</i>
8		Ku	DHENG KIRAN SUNIL	<i>Kiran</i>
9		Ku	GALBALE DIKSHITA RAMDAS	<i>Diksha</i>
10		Ku	JADHAD EKTA LOKCHAND	<i>Ekta</i>
11		Ku	JADHAV ASHLESHA AVINATH	<i>Ashlesha</i>
12		Ku	KALAMIKAR SNEHAL SURESH	<i>Snehal</i>
13		Ku	KALOSHIYA DEVYANI DHARAM	<i>Devyani</i>
14		Ku	KAYARKAR JANHVI HEMANT	<i>Janhvi</i>
15			KHADE MOHIT RAMNATH	<i>Mohit</i>
16		Ku	LONARE ISHA LAXMAN	<i>Isha</i>
17		Ku	MENDHULE KASTURI PRAKASH	<i>Kasturi</i>
18		Ku	MOREY AKSHADA SATISHRAO	<i>Akshada</i>
19		Ku	NASARE GAURI PRADIP	<i>Gauri</i>
20		Ku	PATIL SANJEEVINI DIWAKAR	<i>Sanjivini</i>
21			RAI AYUSHI ADHIKESH	<i>Ayushi</i>
22		Ku	RAMTEKE PREKSHA PRAKASH	<i>Preksha</i>
23		Ku	SHAHU BHAGYASHREE DILIP	<i>Bhagya</i>
24		Ku	SHAH RAGINI RADHESHYAM	<i>Ragini</i>
25		Ku	SALVE NIKITA MANOHAR	<i>Nikita</i>
26		Ku	THAKUR APURVA ASHOKSINGH	<i>Apurva</i>
27				



P. S. Tiwari

Coordinator
Prof. P. S. Tiwari

Action Taken Report

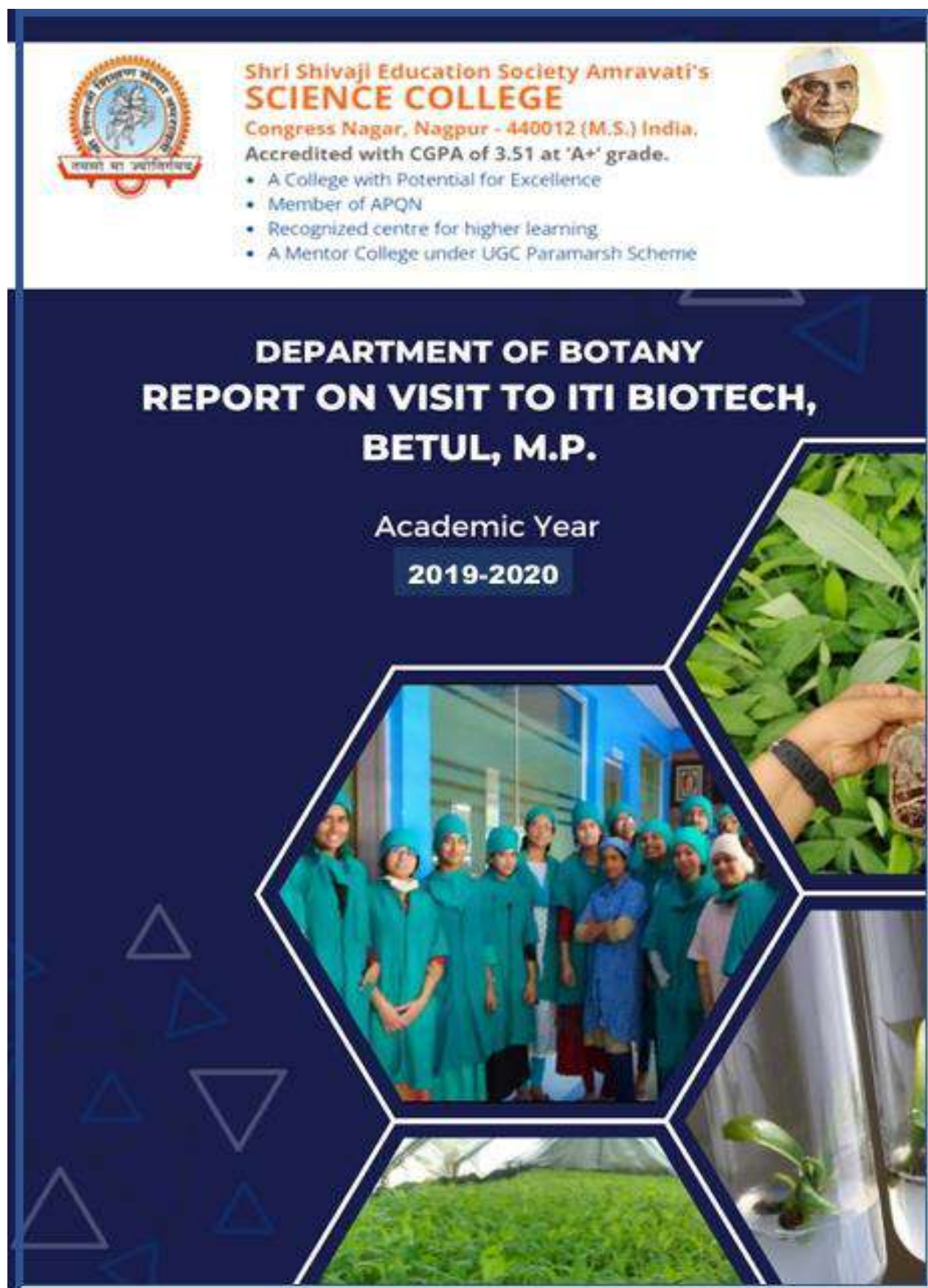
The visit to Ankur Seeds Biotechnology Lab offered a comprehensive glimpse into the cutting-edge research and facilities dedicated to advancing agricultural biotechnology. With its extensive 300-acre research farms and specialized labs, including Pathology, Fiber Testing, Biochemistry, Entomology, Plant Tissue Culture, and Molecular Biology, Ankur Seeds is a leader in developing sustainable solutions. The company's commitment to transgenic research and pest-resistant germplasm highlights its role in addressing critical agricultural challenges. We sincerely thank Dr. R.N. Deshmukh and Dr. Punita S. Tiwari for their excellent coordination and Ankur Seeds for their insightful and hospitable engagement, which has greatly enriched our understanding and inspired us to strive for excellence in botanical sciences.

FEEDBACK FORM

Sr.No.	Question	Response		
		Good	Better	Average
1)	How would you rate the relevance of the research and facilities observed at Ankur Seeds to your field of study?			
2)	Did the visit provide valuable insights into the application of biotechnology in agriculture?			
3)	How effectively did the visit meet your expectations in terms of learning and practical exposure?			
4)	How likely are you to recommend similar visits to peers for educational purposes?			

Participant Feedback




xix) Visit to ITI Biotech Betul (M.P.)

NOTICE

All students of B.Sc. III year Botany are informed that a Visit to Iiti Biotech, Betul, M.P. will be conducted for the academic year 2019-20. The visit will showcase innovative research in plant breeding, molecular biology, and biotechnology. Interested students can contact coordinator Dr. Punita Tiwari.

Date: 04/01/2020

Venue: Department of Botany


Head, Dept of Botany

Prof. R.N. Deshmukh
DEPARTMENT OF BOTANY
SHRI SHIVAJI EDUCATION SOCIETY
AMRAVATI'S SCIENCE COLLEGE
CONGRESS NAGAR, NAGPUR




Coordinator

Prof. P. S. Tiwari

REPORT ON VISIT TO ITI BIOTECH, BETUL, M.P.

Academic Year: 2019-2020

Participants: Students of B.Sc. III Botany, SSES Amravati's Science College, Congress Nagar
Academic Year: 2019-2020

Objective: The visit to ITI Biotech, a prestigious central government laboratory in Betul, Madhya Pradesh, aimed to provide students with exposure to real-world applications and commercial implications of plant tissue culture technologies.

Overview: The visit to ITI Biotech presented an unparalleled opportunity for students to immerse themselves in the practical realm of plant tissue culture technologies. Assembled under the guidance of faculty members, the participants embarked on a journey of discovery, exploring the cutting-edge research facilities and engaging with seasoned researchers and industry professionals.

Key Highlights:

Introduction to ITI Biotech: Upon arrival, students were greeted with a warm welcome by the staff of ITI Biotech, who provided an overview of the institution's mission, research focus, and contributions to the field of biotechnology. The students gained insights into the central government's initiatives to promote scientific research and innovation.

Laboratory Tour: The highlight of the visit was a comprehensive tour of the state-of-the-art laboratories equipped with advanced instrumentation and infrastructure for plant tissue culture research. Students had the opportunity to witness firsthand the various stages of tissue culture processes, from explant preparation to culture initiation and maintenance.

Interactive Sessions: The visit included interactive sessions with researchers and industry professionals, allowing students to engage in meaningful discussions on the practical applications and commercial implications of plant tissue culture technologies. Seasoned experts shared their experiences, challenges, and success stories, inspiring students to envision the vast potential of biotechnological interventions in agriculture and beyond.

Case Studies and Demonstrations: Through case studies and live demonstrations, students gained insights into the real-world applications of plant tissue culture in crop improvement, disease management, and pharmaceutical production. They observed techniques for mass propagation of elite plant varieties, genetic transformation for trait enhancement, and production of high-value secondary metabolites.

Q&A Session: A lively question-and-answer session provided students with the opportunity to seek clarifications, delve deeper into specific topics, and interact directly with experts. The exchange of ideas and perspectives fostered a dynamic learning environment, encouraging students to critically evaluate the challenges and opportunities inherent in biotechnological research and development.

Outcomes: The visit to ITI Biotech proved to be a transformative experience for the students, offering them a glimpse into the multifaceted world of plant tissue culture technologies. The

firsthand exposure to advanced research facilities, coupled with interactions with seasoned professionals, enriched their understanding of the practical applications and commercial implications of biotechnology in agriculture and allied industries.

Conclusion: The visit to ITI Biotech served as a catalyst for inspiring students to pursue further studies and careers in the field of biotechnology. It reinforced the importance of bridging the gap between academia and industry, fostering collaboration and knowledge exchange for the advancement of scientific research and technological innovation.



Exploring the cutting-edge world of biotechnology at ITI BIOTECH, Betul, M.P. 



Diving deep into the realms of biotech with engaging interactive sessions at ITI BIOTECH, Betul, M.P.



Unlocking biotech's potential: From elite crop propagation to pharmaceutical advancements, ITI BIOTECH, Betul, M.P., showcases real-world applications

List of Participants :

Ku	Bahety ✓	R	G	<i>Bahety</i>
Ku	Bawane ✓	S	H	<i>Supriya.</i>
Ku	Bawanthade ✓	R	V	<i>Bhade</i>
Ku	Bhairam ✓	S	T	<i>Sejda</i>
Ku	Bhingare ✓	R	R	<i>Bhingare</i>
	Chimalwar ✓	A	D	<i>Chalwar</i>
Ku	Choudhari ✓	C	R	<i>Choudhari</i>
Ku	Deshkar ✓	G	A	<i>Deshkar</i>
Ku	Dhote ✓	S	S	<i>Dhote</i>
	Gedam ✓	I	R	<i>Gedam</i>
Ku	Ghare ✓	M	M	<i>Ghare</i>
Ku	Hadke ✓	T	S	<i>Hadke</i>
Ku	Hedau ✓	S	B	<i>Hedau</i>
Ku	Hote ✓	B	A	<i>Hote</i>
Ku	Kamble ✓	S	R	<i>Kamble</i>
Ku	Khobragade ✓	R	S	<i>Khobragade</i>
	Lanjewar ✓	J	M	<i>Lanjewar</i>
Ku	Mishra ✓	B	P	<i>Mishra</i>
Ku	Mundhe ✓	D	S	<i>Mundhe</i>
	Pandhrey ✓	S	G	<i>Pandhrey</i>
Ku	Parate ✓	N	K	<i>Parate</i>
Ku	Raghuse ✓	N	B	<i>Raghuse</i>
	Raipurkar ✓	S	K	<i>Raipurkar</i>
Ku	Salve ✓	S	S	<i>Salve</i>
Ku	Shingade ✓	S	G	<i>Shingade</i>
Ku	Thakare ✓	M	S	<i>Thakare</i>
Ku	Thakur ✓	V	M	<i>Thakur</i>
	Uparkar ✓	N	S	<i>Uparkar</i>
Ku	Yogaonkar ✓	I	P	<i>Yogaonkar</i>



P. S. Tiwari

Coordinator

Prof. P. S. Tiwari

Action Taken Report

The visit to ITI Biotech, Betul, provided B.Sc. III Botany students with valuable exposure to advanced plant tissue culture technologies. The experience highlighted the institution's cutting-edge research facilities and offered insightful interactions with researchers. Based on the visit, actions taken include enhancing curriculum with practical insights from the visit, integrating case studies into coursework, and planning future industry visits to deepen students' understanding of biotechnology applications. Feedback from participants will be used to refine and improve future academic visits and programs.

FEEDBACK FORM

Sr.No.	Question	Response		
		Good	Better	Average
1)	Overall satisfaction with the visit to ITI Biotech?			
2)	Quality of the laboratory tour?			
3)	Usefulness of interactive sessions with experts?			
4)	Relevance of case studies and demonstrations?			



xx) Excursion Study Tour Kullu, Manali Himachal Pradesh

Shri Shivaji Education Society Amaravati's
Science College Congress Nagar, Nagpur
Department of Botany
Organized Excursion Study Tour
Kullu, Manali Himachal Pradesh
From 6 September 2019 to 23rd September 2019
Session 2019-2020

REPORT

As a part of B.Sc. Curriculum, excursion tour was organized to Kullu and Manali, Himachal Pradesh by Department of Botany, Science College Nagpur from 16th September to 23rd September 2019 for semester III botany students to study flora in their natural habitat with special emphasis on biodiversity. Total 2 teaching staff, and 90 students were visited to Kullu, Manali. The major objective was to familiarize the students with the wild and cultivated flora and ecology of the region.

Manali is a resort town nestled in the mountains of the Indian state of Himachal Pradesh near the northern end of the Kullu Valley in the Beas River Valley. It is located in the Kullu district, about 270 km (168 mi) north of the state capital 309 km (192 miles) north east of Chandigarh and 544 km (338 miles) northeast of Delhi, the national capital. The small town, with a population of 8,096, is the beginning of an ancient trade route to Ladakh and from there over the Karakoram Pass on to Yarkand and Khotan in the Tarim Basin. It is a popular tourist destination and serves as the gateway to Lahaul and district as well as Leh.

CLIMATE

The climate in Manali is predominantly cold during winter and moderately cool during summer. The temperatures ranges from -7 °C (19 °F) to 30 °C (86 °F) over the year with the hottest day crossing 30 °C (86 °F) and the coldest day going below -7 °C (19 °F). The average temperature during summer is between 15 °C (59 °F) to 30 °C (86 °F), and between -7 °C (19 °F) to 15 °C (59 °F) in the winter. Monthly precipitation varies between 31 mm (1.2 in) in November and 217 mm (8.5 in) in July. On average, some 45 mm (1.8 in) of precipitation is received during winter and spring months, increasing to some 15 mm (4.5 in) in summer as the monsoon approaches. The average total annual precipitation is 1,363 mm (53.7 in). Manali experiences snowfall predominantly between December and beginning of March. Manali is located at 32.2396 N, 77.1887 E, about 547 km (340 mi) north of new Delhi.

FLORA AND FAUNA

Kullu Manali in Himachal Pradesh is the most beautiful destination with salubrious terrain, climate and heights. This has given a growing scope to variety of vegetation, wild

animals and birds at different places and levels. The variety of forests like Sal, Rhododendron, Oak, Fir, Deodar, Birch and Pines are the pride of Manali. These forests shelter for large number of wild animal and birds.

Wildlife among which some rare species like the musk deer, ibex, thar, Himalayan brown bear and snow leopard are still found here. The river Beas offers ideal fishing grounds for trout and masheer.

To protect and conserve its ecosystem, Manali has declared a reserved area - the Manali Wildlife Sanctuary.

Located about 2 km from the Manali town in the picturesque valley of Manali, the Manali Wildlife Sanctuary is reputed for its variety of flora and fauna and breathtaking scenic beauty. Alpine lush green pastures and glaciers beyond gallant thatch beckons the tourists from all around. Spread in an area of 31.80 sq km, the Manali Wildlife Sanctuary houses - Himalayan Black Bear, Himalayan Palm Civet, Barking Deer, Flying Fox, Gorai, Indian Hare, Stripped Hyena, Leopard, Himalayan yellow throated Marten, Serow, Kashmir flying Squirrel and Himalayan Tahr.

The sanctuary has marvelous trekking routes and also have facilities for camping in the wild. The gushing streams, fascinating alpine pasture and high snow covered peaks provide a celestial pleasure to the tourists.

List of local flora:

Sr. No	Common Name	Botanical Name	Family
1	Kashmal flower	<i>Berberies aristata</i>	Berberidaceae
2	Deodar	<i>Cedrus deodara</i>	Pinaceae
3	Horseweed	<i>Erigeron canadensis</i>	Asteraceae
4	Allo	<i>Girardinia diversifolia</i>	Urticaceae
5	Basant	<i>Hypericum cernuum</i>	Hypericaceae
6	Lilyturf	<i>Ophiopogon intermedius</i>	Haemodoraceae
7	Himalayan Cherry Prinsepia	<i>Prinsepia utilis</i>	Rosaceae
8	Sal	<i>Shorea robusta</i>	Dipterocarpaceae
9	Winged prickly ash	<i>Zanthoxylum armatum</i>	Rutaceae
10	Apple	<i>Malus domestica</i>	Rosaceae



B.Sc.III students visited to Manali, Himachal Pradesh from 16th Sept. to 23rd Sept. 2019.

Tour In-charge

B. N. Deshmukh

Prof. R. N. Deshmukh

HEAD
DEPARTMENT OF BOTANY
SHRI SHIVAJI EDUCATION SOCIETY
AMRANATHI SCIENCE COLLEGE
CONGRESS NAGAR, NAGPUR

Sr No	Roll No.	Name of Students	Name	Father Name	Signature of Students
CBG					
1	865544	Ku Bhat	H	O	
2	865540	Ku Bhat	S	R	
3	865532	Ku Bhat	S	Y	
4	865530	Ku Bhat	S	Y	
5	865528	Ku Bhat	S	Y	
6	865526	Ku Bhat	S	Y	
7	865524	Ku Bhat	S	Y	
8	865522	Ku Bhat	S	Y	
9	865520	Ku Bhat	S	Y	
10	865518	Ku Bhat	S	Y	
11	865516	Ku Bhat	S	Y	
12	865514	Ku Bhat	S	Y	
13	865512	Ku Bhat	S	Y	
14	865510	Ku Bhat	S	Y	
15	865508	Ku Bhat	S	Y	
16	865506	Ku Bhat	S	Y	
17	865504	Ku Bhat	S	Y	
18	865502	Ku Bhat	S	Y	
19	865500	Ku Bhat	S	Y	
20	865498	Ku Bhat	S	Y	
21	865496	Ku Bhat	S	Y	
22	865494	Ku Bhat	S	Y	
23	865492	Ku Bhat	S	Y	
24	865490	Ku Bhat	S	Y	
25	865488	Ku Bhat	S	Y	
26	865486	Ku Bhat	S	Y	
27	865484	Ku Bhat	S	Y	
28	865482	Ku Bhat	S	Y	
29	865480	Ku Bhat	S	Y	
30	865478	Ku Bhat	S	Y	
31	865476	Ku Bhat	S	Y	
32	865474	Ku Bhat	S	Y	
33	865472	Ku Bhat	S	Y	
34	865470	Ku Bhat	S	Y	
35	865468	Ku Bhat	S	Y	
36	865466	Ku Bhat	S	Y	
37	865464	Ku Bhat	S	Y	
38	865462	Ku Bhat	S	Y	
39	865460	Ku Bhat	S	Y	
40	865458	Ku Bhat	S	Y	

Sr No	Roll No.	Name of Students	Name	Father Name	Signature of Students
CBG					
1	865554	Ku Bhat	S	Y	
2	865552	Ku Bhat	S	Y	
3	865550	Ku Bhat	S	Y	
4	865548	Ku Bhat	S	Y	
5	865546	Ku Bhat	S	Y	
6	865544	Ku Bhat	S	Y	
7	865542	Ku Bhat	S	Y	
8	865540	Ku Bhat	S	Y	
9	865538	Ku Bhat	S	Y	
10	865536	Ku Bhat	S	Y	
11	865534	Ku Bhat	S	Y	
12	865532	Ku Bhat	S	Y	
13	865530	Ku Bhat	S	Y	
14	865528	Ku Bhat	S	Y	
15	865526	Ku Bhat	S	Y	
16	865524	Ku Bhat	S	Y	
17	865522	Ku Bhat	S	Y	
18	865520	Ku Bhat	S	Y	
19	865518	Ku Bhat	S	Y	
20	865516	Ku Bhat	S	Y	
21	865514	Ku Bhat	S	Y	
22	865512	Ku Bhat	S	Y	
23	865510	Ku Bhat	S	Y	
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36	865484	Ku Bhat	S	Y	
37	865482	Ku Bhat	S	Y	
38	865480	Ku Bhat	S	Y	
39	865478	Ku Bhat	S	Y	
40	865476	Ku Bhat	S	Y	

A-72				
	Name of Students	Name	Father Name	Signature of Students
CBG				
Ku	Ade	P	S	
Ku	Ambare	A	P	Apekshambare
Ku	Bajpai	S	S	ABSENT
	Barapatre	P	D	
Ku	Bhandarkar	N	S	Pandit
	Borkar	S	Y	Budhir
	Fulzele	P	S	ABSENT
Ku	Gahalot	R	A	Bahalot
Ku	Ganjare	P	A	Ganjare
	Hemane	U	S	Hemane

Department of Botany
Organized Excursion Study Tour
Kullu, Manali Himachal Pradesh
From 6 September 2019 to 23rd September 2019
Session 2019-2020

Feedback

Thank you for participating in the study tour! We would greatly appreciate your feedback to help us improve future tours. Please take a few moments to rate the following aspects of the tour.

1. Organization and Planning

- ☐ Excellent
☐ Good
☐ Average
☐ Poor

2. Tour Guides' Knowledge and Expertise

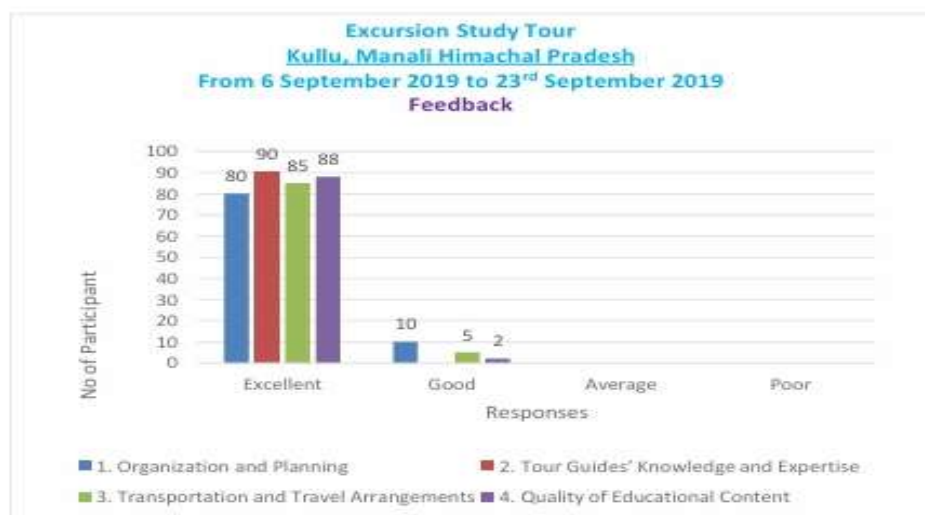
- ☐ Excellent
☐ Good
☐ Average
☐ Poor

3. Transportation and Travel Arrangements

- ☐ Excellent
☐ Good
☐ Average
☐ Poor

4. Quality of Educational Content

- ☐ Excellent
☐ Good
☐ Average
☐ Poor



ACTION TAKEN:

As a part of B.Sc. Curriculum, The Department of Botany at Science College, Congress Nagar, Nagpur, organized an enriching excursion study tour to Kullu and Manali in Himachal Pradesh from September 6, 2019, to September 23, 2019, under the guidance of Dr. R. N. Deshmukh. This educational tour provided students with a unique opportunity to explore the diverse flora and ecological systems of the region. Over the course of the tour, participants engaged in various field studies, collected plant specimens, and conducted ecological assessments, all while being supervised by Dr. Deshmukh. His expertise and leadership ensured that students gained hands-on experience and a deeper understanding of botany and environmental science. The tour significantly enhanced the academic curriculum, offering students invaluable practical knowledge and exposure to real-world ecological environments. Total 2 teaching staff, and 90 students were visited to Kullu, Manali. The major objective was to familiarize the students with the wild and cultivated flora and ecology of the region.

9) Achievements/Awards as Clean and Green Campus Initiative:

Green Club Award



महाराष्ट्र शासन

उच्च शिक्षण संचालनालय, महाराष्ट्र राज्य,

४१२ ई, बहिरट पाटील चौक, मॉडेल कॉलनी, शिवाजीनगर पुणे-४११ ०१६

Web : www.dhepune.gov.in

Email-director.dhepune@nic.in

फोन नं. ०२०/२६१२२११९

क्रमांक-उशिसं/युनिसेफ/२०२४/ ४३६९

दि. 03 SEP 2024

प्रति,

कुलसचिव, मार्फत संचालक विद्यार्थी विकास व संचालक राष्ट्रीय सेवा योजना
 कुलसचिव, सावित्रीबाई फुले पुणे विद्यापीठ, पुणे
 कुलसचिव, शिवाजी विद्यापीठ, कोल्हापूर,
 कुलसचिव, डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, छ. संभाजीनगर
 कुलसचिव, राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर
 स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड
 सह संचालक, उच्च शिक्षण विभाग - पुणे, मुंबई, पनवेल, कोल्हापूर, छत्रपती संभाजीनगर, नागपूर, नांदेड.
 सह संचालक, तंत्रशिक्षण विभाग- मुंबई, पुणे, छत्रपती संभाजीनगर, नागपूर, नाशिक.

विषय: जागतिक जल दिन (२२ मार्च) निमित्त जिल्हातरीय व राज्यस्तरीय उत्कृष्ट ग्रीन क्लब प्रोत्साहनपर पुरस्कार अंतिम निकालाबाबत.

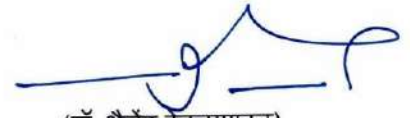
- संदर्भ: १. उच्च व तंत्रशिक्षण विभागाचे पत्र क्रमांक संकीर्ण २०२२/ प्र.क्र. १२९/विशी-५ दिनांक १३/०१/२०२३
 २. महाराष्ट्र शासन, शिक्षण संचालनालय (उच्च शिक्षण) महाराष्ट्र राज्य, पुणे-०१ यांचे पत्र क्र. उशिसं/युनिसेफ २०२३/७३२४ दि. २०.०६.२०२३
 ३. महाराष्ट्र शासन, शिक्षण संचालनालय (उच्च शिक्षण) महाराष्ट्र राज्य, पुणे-०१ यांचे पत्र क्र. उशिसं/२०२३/७३१५ दि. २०.०६.२०२३
 ४. मा. मंत्री, उच्च व तंत्रशिक्षण विभाग आणि मा. प्रधान सचिव, उच्च व तंत्रशिक्षण विभाग यांच्या जागतिक जलदिन साजरा करण्याबाबतच्या दिनांक ३१ जानेवारी २०२४ रोजीच्या सूचना
 ५. महाराष्ट्र शासन, शिक्षण संचालनालय (उच्च शिक्षण) महाराष्ट्र राज्य, पुणे-०१ यांचे जागतिक जल दिन (२२ मार्च) उपक्रम महाविद्यालय स्तरावर साजरा करणेबाबत पत्र क्र. उशिसं/UNICEF/मवि-१/२०२४/९७७ दि. १२.०२.२०२४

उपरोक्त विषय व संदर्भान्वये, महाराष्ट्र शासन राज्यातील १३ जिल्ह्यांतील उच्च व तंत्रशिक्षण महाविद्यालयांमध्ये 'युवकांच्या(youth students) मार्फत नैसर्गिक संसाधनांचे संरक्षण व पाण्याची बचत' हे अभियान राबविले जात आहे. संदर्भ क्रमांक २ आणि ३ नुसार राज्यातील सर्व जिल्ह्यांतील महाविद्यालयांत ऑनलाईन सेल्फ पेस्ड (स्वयंगती) कोर्सची (<https://www.mahayouthnet.in/>) अंमलबजावणी सुरू आहे. त्याचप्रमाणे, संदर्भ क्र. १ नुसार निवडक तेरा (१३) जिल्ह्यांमध्ये नैसर्गिक संसाधने व पाण्याची बचत या अभियानांतर्गत सर्व महाविद्यालयांत ग्रीन क्लब स्थापन करवून विविध उपक्रम राबविले जात आहेत. पाणीबचतीच्या उपाययोजनांसाठी ग्रीन क्लब च्या माध्यमातून सात सहज

करण्याजोग्या कृतीयोजना राबविल्या जात आहेत. यामध्ये गळक्या नळांची दुरुस्ती, शॉवर एवजी बादलीने पाणी वापरणे, दात घासताना किंवा दाढी करताना पाणी वाया जाणार नाही याची काळजी घेणे, ग्रामीण भागात शोष खड्डे व पाझर खड्डे बनविण्यास प्रवृत्त करणे इत्यादी उपक्रम सुरू आहेत.

राज्यातील सर्व महाविद्यालयांत जागतिक जल दिन मोठ्या उत्साहात साजरा करण्यात आला असून त्यामिमिताने महाविद्यालयांमध्ये जागतिक जल दिनाच्या अनुषंगाने विविध उपक्रम व स्पर्धांचे आयोजन करण्यात आलेले होते तसेच संदर्भ क्र ५ नुसार जागतिक जलदिनाच्या निमित्ताने विविध उपक्रम राबविल्याबाबत महाविद्यालयातील ग्रीन क्लब फॅकल्टी कोऑर्डिनेटर यांच्या मार्फत प्राप्त अहवालाच्या आधारे प्रोत्साहनपर पुरस्कारासाठी पाणी बचतीच्या अनुषंगाने रिल/शॉर्टव्हिडीओ बनवणे, पाणी बचतीवर पोस्टर तयार करणे व शैक्षणिक वर्ष २०२३-२४ या दरम्यान महाविद्यालयातील ग्रीन क्लबच्या माध्यमातून केलेल्या कामाचे जिल्हा स्तरावर तसेच राज्य स्तरावर तज्ञ समितीने मूल्यांकन करून प्रोत्साहनपर पुरस्कार मिळालेले महाविद्यालय अथवा महाविद्यालयातील विद्यार्थी यांची निवड करण्यात आलेली आहे.

जागतिक जलदिनाच्या निमित्ताने विविध उपक्रम राबविल्याबाबत महाविद्यालयातील ग्रीन क्लब फॅकल्टी कोऑर्डिनेटर यांच्या मार्फत प्राप्त अहवालाच्या आधारे निवडसमिती मार्फत विविध निकषांचे परीक्षण करून निकषात बसणाऱ्या महाविद्यालये/विद्यार्थी यांना प्रोत्साहनपर पुरस्कार देण्यासंदर्भात अहवाल सादर केला आहे. पुरस्कारासाठी प्रत्येक संवर्गासाठी जिल्हा स्तरावर ३ पुरस्कार व राज्य स्तरावर ५ पुरस्कार जाहीर करण्यात करण्यासंदर्भातील निवड समिती कडून प्राप्त झालेल्या अहवालाच्या आधारे पुरस्कार जाहीर करण्यात येत आहेत. तसेच पुरस्कार वितरण सोहळा नजीकच्या काळात आयोजित करण्यात येईल. समितीकडून प्राप्त अहवाल सोबत जोडण्यात आलेला आहे.



(डॉ. शैलेंद्र देवळाणकर)

शिक्षण संचालक, उच्च शिक्षण तथा

राज्य कार्यक्रम सचिवालय, अध्यक्ष (प्रोग्राम सेक्रेटरिएट)

महाराष्ट्र राज्य, पुणे - १६

प्रत माहिती व उचित कार्यवाहीस्तव

१. मा. प्रधान सचिव, उच्च व तंत्र शिक्षण विभाग, मुंबई
२. संचालक, तंत्र शिक्षण संचालनालय, मुंबई
३. डॉ. दत्तात्रय जाधव, सहसंचालक तंत्रशिक्षण विभागीय कार्यालय पुणे तथा राज्य नोडल अधिकारी तंत्रशिक्षण
४. राज्य संपर्क अधिकारी, राष्ट्रीय सेवा योजना (N.S.S.) तथा नोडल अधिकारी
५. मुख्य क्षेत्रीय अधिकारी (CFO), युनिसेफ महाराष्ट्र, मुंबई
६. बालाजी व्हरकट, कार्यक्रम अधिकारी, हवामान, पर्यावरण आणि आपत्ती धोके निवारण, युनिसेफ, मुंबई
७. उमा असलेकर, कार्यकारी संचालक, अँडवान्सड सेंटर फॉर वॉटर रिसोर्सेस डेव्हलपमेंट अँड मॅनेजमेंट (अँक्वाडॅम), पुणे
८. अवधूत अभ्यंकर, प्रकल्प समन्वयक, 'युवकांच्या (Youth) मार्फत नैसर्गिक संसाधनांचे संरक्षण व पाण्याची बचतसंयुक्त अभियान'.
९. मधुकर लेंगरे, स्टेट लाइजनिंग ऑफिसर, 'युवकांच्या (Youth) मार्फत नैसर्गिक संसाधनांचे संरक्षण व पाण्याची बचतसंयुक्त अभियान' (YEWS)

प्रति,

सर्व समिती सदस्य,

राज्य प्रकल्प सचिवालय; महाराष्ट्र शासन व युनिसेफ संयुक्त अभियान समिती

विषय:- ग्रिन क्लब प्रोत्साहनपर पुरस्कार संदर्भातील राज्यस्तरीय समितीचा अहवाल.

- संदर्भ: १. उच्च व तंत्र शिक्षण विभाग, मंत्रालय मार्गदर्शक सूचना क्र. संकीर्ण २०२२/प्र.क्र.१२९/विशि-५ दि. १३ जानेवारी २०२३
 २. महाराष्ट्र शासन, शिक्षण संचालनालय (उच्च शिक्षण) महाराष्ट्र राज्य, पुणे-०१ यांचे पत्र क्र. उशिसं/युनिसेफ २०२३/७३२४ दि. २०.०६.२०२३
 ३. राज्य प्रकल्प सचिवालय; महाराष्ट्र शासन व युनिसेफ संयुक्त अभियान समितीच्या ३०.०५.२०२४ रोजीच्या आढावा बैठकीतील निर्णय क्रमांक ५

सदर समितीची बैठक दि. ३०.०५.२०२४ रोजी दुपारी ०३:३० वाजता समितीचे अध्यक्ष डॉ. शैलेंद्र देवळाणकर, शिक्षण संचालक (उच्च शिक्षण) महाराष्ट्र राज्य तथा अध्यक्ष राज्य प्रकल्प सचिवालय (प्रोग्राम सेक्रेटरीएट) महाराष्ट्र शासन आणि युनिसेफ संयुक्त अभियान, यांच्या अध्यक्षतेखाली उच्च शिक्षण संचालनालय, पुणे येथे आयोजित करण्यात आली होती. सदरील बैठकीत पुरस्कार निवडी संदर्भात स्वतंत्र तज्ञ समितीमार्फत ग्रिन क्लब प्रोत्साहनपर पुरस्कार संदर्भाने महाविद्यालय स्तरावर जागतिक जलदिनाच्या निमित्ताने राबवण्यात आलेल्या विविध स्पर्धा व उपक्रम राबविल्याबाबत महाविद्यालयातील ग्रिन क्लब फॅकल्टी कोऑर्डिनेटर यांच्या मार्फत प्राप्त अहवालांचे परीक्षण करून पुरस्कार जाहीर करण्याबाबत सर्वानुमते निर्णय घेण्यात आला. शैक्षणिक वर्ष २०२३-२४ या दरम्यान महाविद्यालयातील ग्रिन क्लबच्या माध्यमातून केलेल्या कामाचे व जागतिक जल दिनाच्या निमित्ताने आयोजित विविध स्पर्धांच्या पुरस्काराचे गट खालील प्रमाणे.

अ. क्र	तपशील
1	उत्कृष्ट ग्रिन क्लब
2	पाणी बचतीच्या उपाययोजनावर उत्कृष्ट पोस्टर
3	पाणी बचतीच्या अनुषंगाने उत्कृष्ट रिल/शॉर्टक्लिडीओ

सदरील गटात जिल्हा व राज्य स्तरावर पुरस्कार निवडी संदर्भाने लावलेले निकष खालील प्रमाणे आहेत या स्पर्धांचे मूल्यांकन दोन स्तरांवर केलेले आहे

1. जिल्हा स्तर

2. राज्य स्तर

प्रत्येक स्पर्धेसाठी जिल्हा व राज्यस्तरावरील सूचवलेली मूल्यांकन निकष पुढीलप्रमाणे आहेत:

- * जिल्हा स्तरावर जास्तीत जास्त गुणांचे निकष पूर्ण करणारे प्रथम ३ महाविद्यालये/ विद्यार्थी यांना पुरस्कार देण्यात येतील.
- * राज्य स्तरावर जास्तीत जास्त गुणांचे निकष पूर्ण करणारे प्रथम ५ महाविद्यालये/ विद्यार्थी यांना पुरस्कार देण्यात येतील.
- * १. उत्कृष्ट ग्रिन क्लब

मूल्यांकन निकष: १०० गुणांचे विभाजन खालील प्रमाणे

व्हाय वेस्ट डॅशबोर्ड वरील कामगिरी ५० गुण

ग्रिन क्लब अहवाल २५ गुण

ऑनलाईन कोर्स पूर्ण केलेली विद्यार्थी संख्या २५ गुण

१०० पैकी जिल्हा स्तरावर जास्तीत जास्त गुणांचे निकष पूर्ण करणारे प्रथम ३ महाविद्यालयांना पुरस्कार देण्यात येतील.

१०० पैकी राज्य स्तरावर जास्तीत जास्त गुणांचे निकष पूर्ण करणारे प्रथम ५ महाविद्यालयांना पुरस्कार देण्यात येतील.

२. पाणी बचतीच्या उपाययोजनावर उत्कृष्ट पोस्टर

मूल्यांकन निकष:

एकूण गुण ५०

१. दिलेल्या विषयांशी सुसंगतता ' -जागतिक जल दिन 'किंवा 'वैयक्तिक वर्तन बदलांद्वारे जल संवर्धन '(10 गुण)
२. पोस्टरद्वारे संदेशाची स्पष्टता (10 गुण)
३. मजकूर आणि ग्राफिक्सचा वापर (किमान मजकूर आणि जास्तीत जास्त ग्राफिक्स) (10 गुण)
४. सृजनशीलता (10 गुण)
५. मौलिकता (10 गुण)

३. पाणी बचतीच्या अनुषंगाने उत्कृष्ट रिल/शॉर्टक्लिडीओ

मूल्यांकन निकष:


एकूण गुण ५०

१. दिलेल्या विषयांशी सुसंगतता ' -जागतिक जल दिन 'किंवा 'वैयक्तिक वर्तन बदलांद्वारे जल संवर्धन '(10 गुण)
२. व्हिडिओद्वारे संदेशाची स्पष्टता (10 गुण)
३. व्हिडिओचा कालावधी (30 सेकंदांपेक्षा जास्त आणि 2 मिनिटांपेक्षा कमी) (10 गुण)
४. सृजनशीलता (10 गुण)
५. मौलिकता (10 गुण)

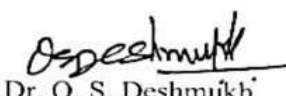
जागतिक जलदिनाच्या निमित्ताने विविध उपक्रम राबविल्याबाबत महाविद्यालयातील ग्रीन क्लब फॅकल्टी कोऑर्डिनेटर यांच्या मार्फत प्राप्त अहवालाची जिल्हा निहाय आकडेवारी खालील प्रमाणे

अ. क्र	जिल्हा	ग्रिन क्लब अहवाल	पाणी बचतीच्या उपाययोजनावर उत्कृष्ट पोस्टर	पाणी बचतीच्या अनुषंगाने उत्कृष्ट रिल/शॉर्टक्लिडीओ
1	अहमदनगर	80	86	66
2	बीड	19	30	32
2	छ. संभाजी नगर	55	38	28
4	धाराशिव	86	32	16
5	जालना	5	3	1

Jalna	Siddharth Arts, Commerce & Science College Jafrabad Dist Jalna (M.S.)	20	20	20	60
Kolhapur					
Kolhapur	The New College, Kolhapur	50	25	24	99
Kolhapur	Rajaram College, Kolhapur	50	22	25	97
Kolhapur	Government Polytechnic, Kolhapur	50	21	20	91
Latur					
Latur	M. S. Bidve Engineering College Latur-413512	50	21	25	96
Latur	Vishweshwarayya Abhiyantriki Padvika Mahavidyalaya, Almala	50	21	20	91
Latur	Rajarshi Shahu Mahavidyalaya Latur (Autonomous)	45	20	15	80
Mumbai					
Mumbai	Vivekanand Education Society's College of Arts, Science and Commerce	50	25	5	80
Mumbai	Smt. Kapila Khandvala College of Education	50	5	20	75
Mumbai	Ramanand Arya D.A.V. College	30	25	5	60
Nagpur					
Nagpur	Shri Shivaji Science College, Congress Nagar, Nagpur	50	23	25	98
Nagpur	Smt. Kishoritai Bhoyar College of Pharmacy, Kamptee	45	20	25	90


Dr A A Halder
Coordinator, IQAC
Science College,
Congress Nagar, Nagpur




Dr. O. S. Deshmukh
Principal
Science College,
Congress Nagar, Nagpur