



|| Tamaso ma Jyotirgamaya ||
Shri Someshwar Shikshan Prasarak Mandal's

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SOMESHWAR SCIENCE COLLEGE

Someshwarnagar, Tal. Baramati, Dist: Pune (Pin: 412 306) Maharashtra, India
(Affiliated to Savitribai Phule Pune University, Pune) Est. 2007

Govt. Reg. No. N.G.C. 2007(189/07) Mashi-3, Dt. 2 July 2007 College Code 827 University Appvl. No. IDNo. PU/PN/S/284/2007

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Date:- 06/06/2023

Document for SSR

The documents regarding the **Document for 7.1.2** are attached herewith this letter.

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Sr. No.	Particulars / Reports
1.	1. Alternate sources of energy and energy conservation measures
2.	2. Management of the various types of degradable and non-degradable waste
3.	3. Water conservation
4.	4. Green campus initiatives
5.	5. Disabled-friendly, barrier free environment




Principal
Someshwar Science College, Someshwarnagar

Energy Conservation and Alternative Energy Source

For energy conservation and energy harvesting, our institute has followed steps such as-

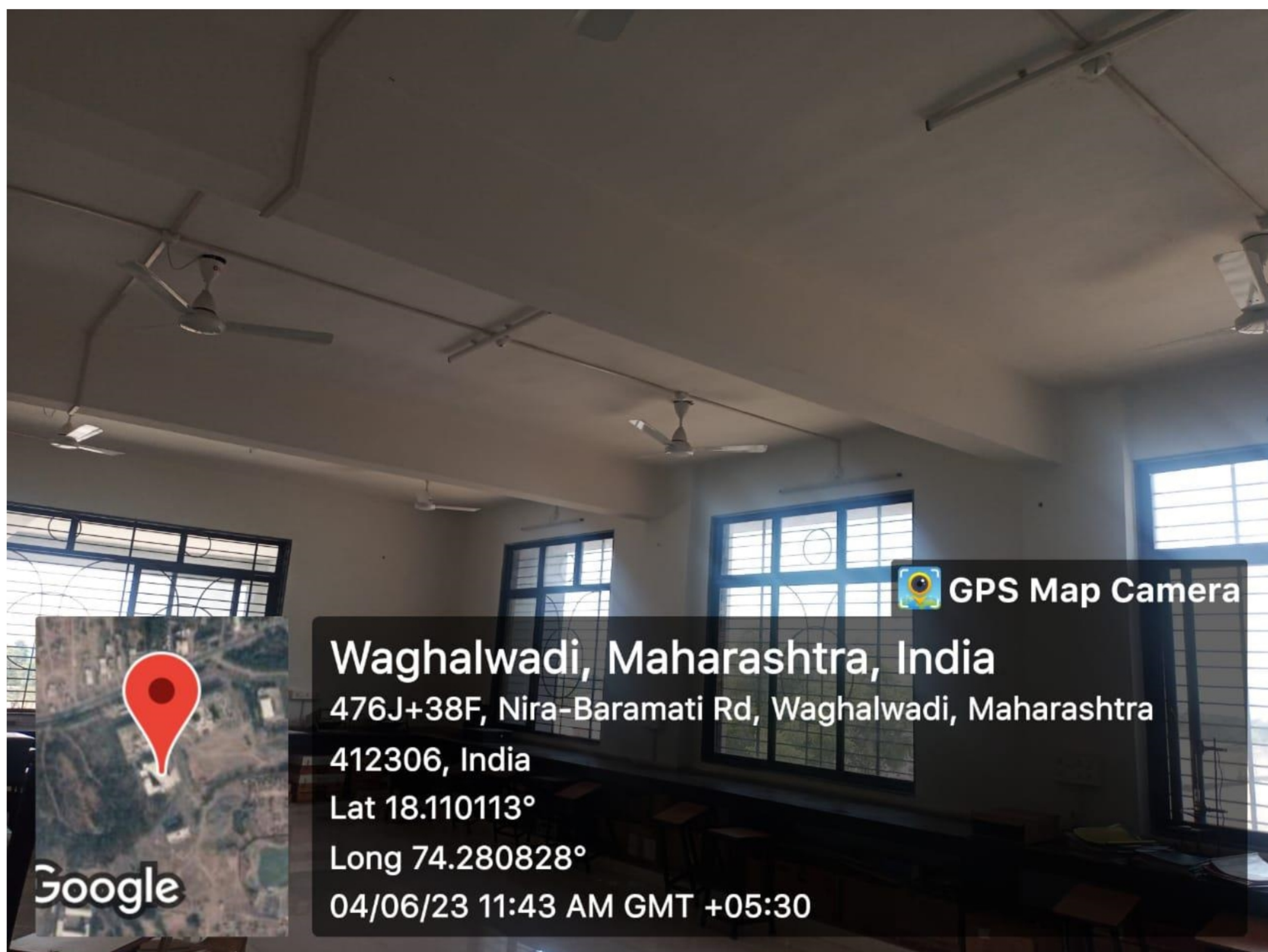
1. Installation of Solar Panel on top of the Girl's Hostel
2. For energy conservation during day time, the building is designed in such a way that the natural light enters the classroom and laboratories in ample amount.
3. The building is electrified with LED bulbs and energy efficient fans and other instrument.
4. The display of Environmental Policy and Sustainable Energy Use Policy helps the system to check on the energy consumption.



Solar Panel over Girl's Hostel



LED bulbs and energy efficient fans in the laboratory / classrooms





LED Lights assembled in the open space




Principal
Someshwar Science College, Someshwar Nagar

Waste management

Our esteemed institution, Someshwar Science College located in Someshwarnagar, holds a steadfast commitment to the principles of reducing, reusing, and recycling for a sustainable future. As part of our comprehensive environmental policy, we have successfully implemented a plastic-free campus initiative, resulting in a significant reduction of polythene waste within our premises.

To ensure effective waste management, we have implemented a meticulous waste segregation system. This system includes the maintenance of standardized color-coded dustbins, enabling the efficient sorting of different types of waste materials. Furthermore, our emphasis on minimizing paper waste has led us to adopt the practice of utilizing one-sided papers for printing, thus fostering a paperless office environment.

In addition, we are committed to responsible disposal of degradable and non-degradable waste, such as papers, chocolate wrappers and waste generated in the girl's hostel mess. This waste is diligently handed over to the local Grampanchyayat, with whom we have signed a Memorandum of Understanding (MoU) to ensure proper management and disposal.

Through our collective efforts and partnerships, Someshwar Science College is actively working towards creating a sustainable and eco-friendly campus, setting an example for others to follow.



Colored dustbins in campus.



[Handwritten Signature]
Principal
Someshwar Science College, Someshwar Nagar

Water conservation and Rain Water Harvesting

Someshwar Science College has implemented an efficient water harvesting system, starting with the collection of rainwater on the rooftop. The collected water is then directed through pipelines into a specially excavated pit filled with stones and bricks. This model facilitates water table upliftment, ensuring sustainable water resources. Additionally, the college conducts annual awareness programs to promote responsible water usage. Furthermore, the campus, labs, and washrooms are equipped with taps fitted with reducers to conserve water. Through these initiatives, Someshwar Science College prioritizes water conservation and fosters a culture of environmental consciousness.



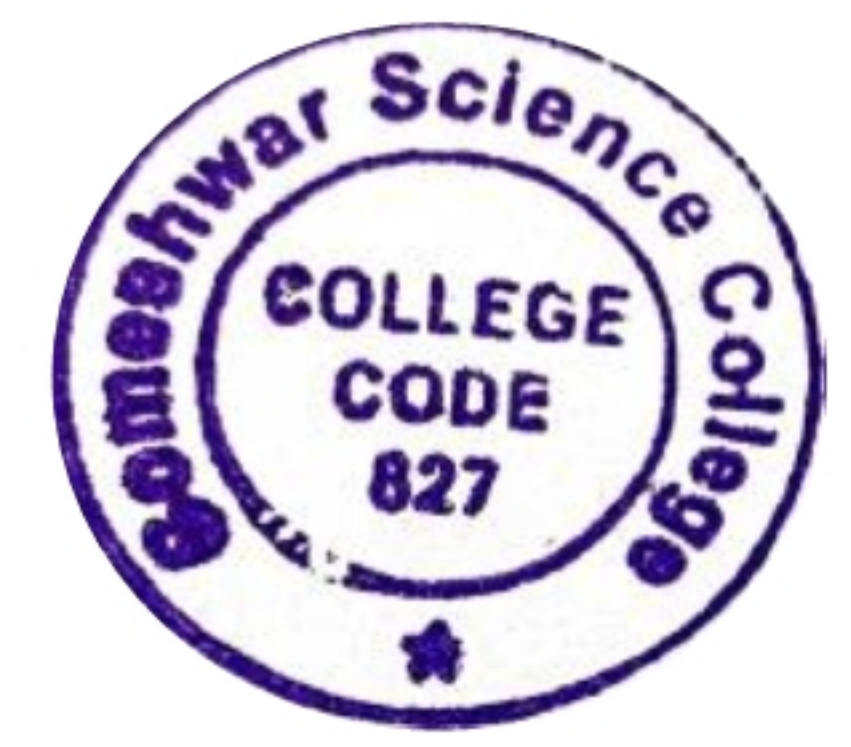
Water Harvesting Unit





Principal
Someshwar Science College, Someshwar Nagar



Water reducing taps



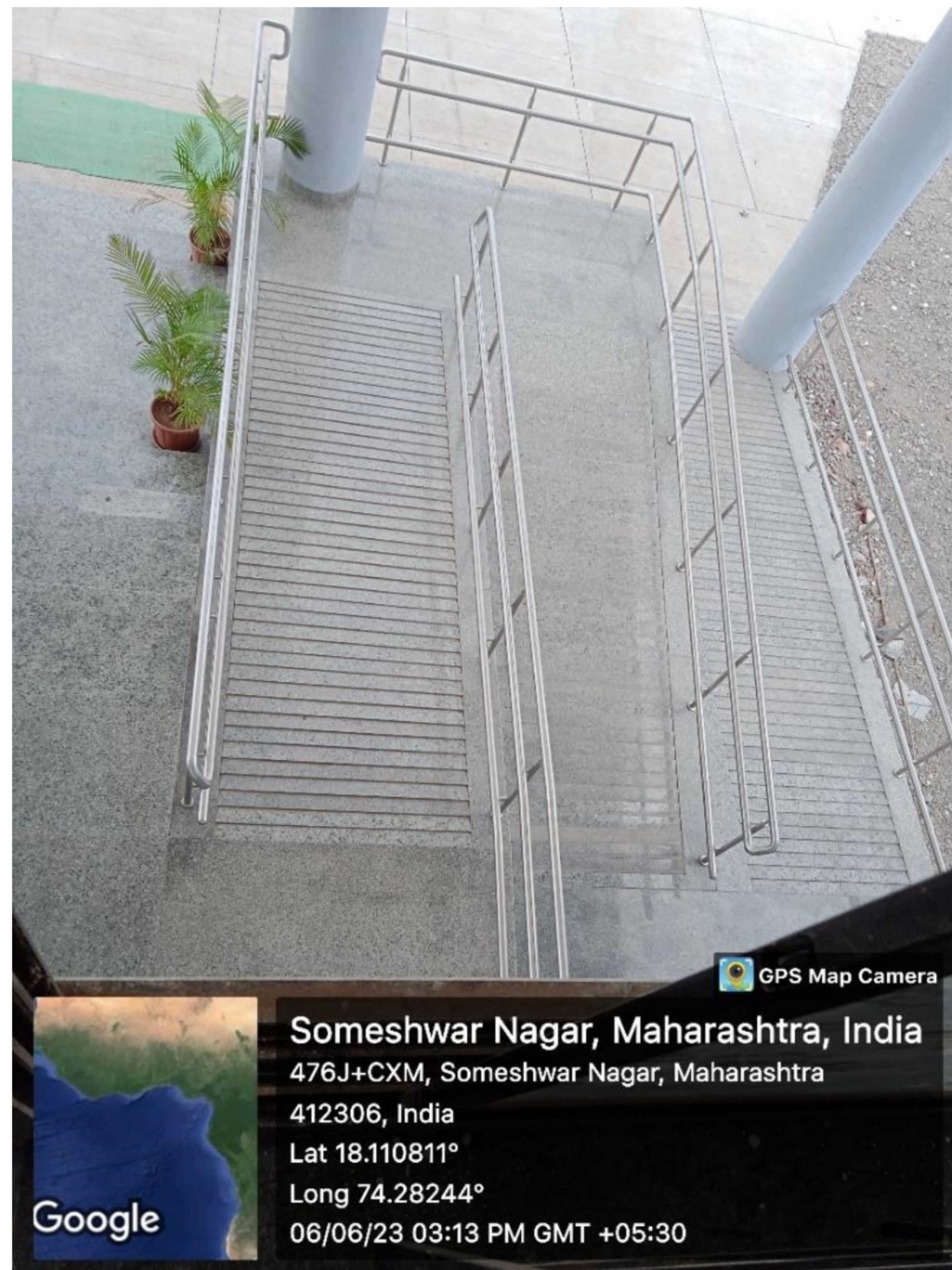

Principal
Someshwar Science College, Someshwaragar

Disabled friendly campus

At Someshwar Science College, we hold a strong commitment to inclusivity and ensuring a supportive environment for physically challenged students. To facilitate easy access, we have constructed disabled-friendly staircases in our building. Additionally, we have made wheelchairs available round the clock, ensuring that mobility is not a barrier for students with physical disabilities.

To further accommodate the needs of physically challenged students, at the beginning of each academic year, we identify the individuals and assign them classrooms located in the basement. This arrangement ensures that their classes are conveniently situated and easily accessible.

We believe that every student deserves equal opportunities for education and growth, and we strive to provide a welcoming and accommodating environment for all. By prioritizing the needs of physically challenged students, we foster inclusivity and promote a truly inclusive learning community.



Disable friendly staircase




Principal
Someshwar Science College, Someshwamagar

Green Campus Initiatives

To make campus green we have planted native, ornamental plants

We are running a 'Project Someshwar Devrai' in which we have planted more than 400 plants belonging to 110 native, medicinal and *Nakshatra* species.



Tree plantation in the college premises



Shri Someshwar Shikshan Prasarak Mandal's

SOMESHWAR SCIENCE COLLEGE

Someshwarnagar, Baramati.

A detailed report on

Project Someshwar Devrai

“Project Someshwar Devrai”

The botanical garden and ex-situ plant conservation project of Shri Someshwar Shikshan Prasarak Mandal's Someshwar Vidyan Mahavidyalaya, Someshwarnagar, Baramati.

On the occasion of the 61st birthday of Hon. Shri. Ajitdada Pawar (Leader of Opposition, Maharashtra Legislative Assembly) we have developed ‘Someshwar Devrai’ on the premises of Shri Someshwar Shikshan Prasarak Mandal, Someshwarnagar, Baramati. The project ‘Someshwar Devrai’ was headed by the Department of Botany of Someshwar Vidyan Mahavidyalaya and contains more than 100 native plant species planted on the total ground area of One and Half Acre.

Insights of the Project:

- 4 plants of 100 native species are planted in the Someshwar Devrai.
- The project contains native fruit plants, flowering plants, medicinal plants, and all the Nakshatra plants.
- The conservation of plants is the primary motive of this project
- This project will surely help to nature, and the environment and also be helpful for the students, researchers, and professors of Life Science.

The floral diversity of “Someshwar Devrai”, the botanical garden developed by the Department of Botany of SSSPM’s Someshwar Vidyan Mahavidyalaya, Someshwarnagar, Baramati.

Flowering Plants / फूल झाडे

<i>Plumeria alba</i> L.	Apocynaceae	चाफा
<i>Wrightia tinctoria</i> R.Br.	Apocynaceae	काळाकुडा
<i>Tabernaemontana divaricata</i> R.Br.	Apocynaceae	तगर
<i>Aristolochia littoralis</i> L.	Aristolochiaceae	बदक वेल
<i>Dolichandrone falcata</i> Seem.	Bignoniaceae	मेढशिंगी
<i>Heterophragma quadriloculare</i> K.Schum.	Bignoniaceae	वारस
<i>Markhamia lutea</i> Seem. ex. Baill	Bignoniaceae	मारखामिया
<i>Spathodea companulata</i> Buch.-Ham.	Bignoniaceae	पिचकारी
<i>Tabebuia rosea</i> D.C.	Bignoniaceae	तबूबुइया
<i>Cordia dichotoma</i> G.Forst	Boraginaceae	भोकर
<i>Combretum indicum</i> DeFilipps	Combretaceae	मधू मालती
<i>Dillenia indica</i> L.	Dilleniaceae	करमळ
<i>Clitoria ternatea</i> L.	Fabaceae	गोकर्ण
<i>Cassia fistula</i> L.	Fabaceae	बहावा
<i>Erythrina variegata</i> Murr.	Fabaceae	पांगारा
<i>Clerodendrum thomsoniae</i> Balf. f.	Lamiaceae	ब्लीडिंग हार्ट
<i>Gmelina arborea</i> Roxb.	Lamiaceae	शिवण

<i>Bauhinia variegata</i> Benth.	Leguminaceae	कांचन
<i>Saraca asoca</i> (Roxb) W.J. de Wilde	Leguminaceae	सीता अशोक
<i>Butea monosperma</i> Taub.	Leguminaceae	पळस
<i>Lagerstroemia speciosa</i> (L.) Purs.	Lythraceae	ताम्हण
<i>Lagerstroemia indica</i> (L.) Purs.	Lythraceae	जारूळ
<i>Magnolia champaca</i> (L.) Figlar.	Magnoliaceae	सोनचाफा
<i>Calophyllum inophyllum</i> L.	Malphigiaceae	उंडी
<i>Hibiscus rosa-sinensis</i> L.	Malvaceae	जास्वंद
<i>Bombax ceiba</i> L.	Malvaceae	काटे सावर
<i>Thespesia populnea</i> L.	Malvaceae	भेंडीच झाड
<i>Memecylon umbellatum</i> Burm.	Melastomataceae	अंजन
<i>Callistemon lanceolatus</i> (Sm.) Sweet.	Myrtaceae	बॉटल ब्रश
<i>Bougainvillea spectabilis</i> Wild.	Nyctaginaceae	बोगनवेल
<i>Jasminum auriculatum</i> Vahl.	Oleaceae	जुई
<i>Jasminum multiflorum</i> Roth.	Oleaceae	कुंदा
<i>Jasminum officinale</i> L.	Oleaceae	जाई
<i>Jasminum sambac</i> Aiton.	Oleaceae	मोगरा
<i>Nyctanthes arbor-tristis</i> L.	Oleaceae	पारिजातक
<i>Clematis gouriana</i> Roxb. ex DC.	Ranunculaceae	रानजाई
<i>Rosa indica</i> L.	Rosaceae	गुलाब वेल
<i>Neolamarckia cadamba</i> Roxb.	Rubiaceae	कदंब

<i>Murraya paniculata</i> Jack.	Rutaceae	कामिनी
<i>Madhuca longifolia</i> J.F.Macbr.	Sapotaceae	दक्षिण मोह
<i>Mimusops elengi</i> Wight.	Sapotaceae	बकुळ
<i>Pterospermum acerifolium</i> Wild.	Sterculiaceae	मुचकुंद
<i>Citharexylum spinosum</i> L.	Verbenaceae	सीतारंजन

Fruit Plants / फळ झाडे

<i>Anacardium occidentale</i> L.	Anacardiaceae	काजू
<i>Mangifera indica</i> L.	Anacardiaceae	आंबा
<i>Annona squamosa</i> L.	Annonaceae	सीताफळ
<i>Carrisa carandas</i> Lour.	Apocynaceae	करवंद
<i>Phoenix sylvestris</i> Roxb.	Arecaceae	शिंदोळी
<i>Terminalia catappa</i> <u>L.</u>	Combretaceae	बदाम
<i>Diospyros peregrina</i> Gürke	Ebenaceae	टेंबुर्णी
<i>Phyllanthus emblica</i> Gaertn.	Euphorbiaceae	आवळा
<i>Tamarindus indica</i> L.	Leguminaceae	चिंच
<i>Morus alba</i> L.	Malvaceae	तुती
<i>Artocarpus heterphyllus</i> Lam.	Moraceae	फणस
<i>Psidium guajava</i> L.	Myrtaceae	पेरू

<i>Syzygium cumini</i> var. <i>microcarpa</i>	Myrtaceae	लेंडी जांभूळ
<i>Syzygium cumini</i> (L.) Skeels.	Myrtaceae	जांभूळ
<i>Ziziphus jujuba</i> Mill.	Rhamnaceae	बोरी
<i>Ziziphus mauritiana</i> Lam.	Rhamnaceae	घटबोर
<i>Citrus limon</i> Osbeck Modernism.	Rutaceae	लिंबू
<i>Limonia acidissima</i> L.	Rutaceae	कवठ
<i>Muntingia calabura</i> L.	Tiliaceae	चेरी

Medicinal Plants / औषधी झाडे

<i>Terminalia arjuna</i> Wight & Arn.	Combretaceae	अर्जुन
<i>Terminalia bellirica</i> Roxb.	Combretaceae	बेहडा
<i>Terminalia chebula</i> Retz.	Combretaceae	हिरडा
<i>Putranjiva roxburghii</i> Wall.	Euphorbiaceae	पूत्रंजीवा
<i>Pongamia pinnata</i> (L.) Pierre.	Fabaceae	करंज
<i>Pterocarpus marsupium</i> Roxb.	Fabaceae	बिजा
<i>Vitex nigundo</i> L.	Lamiaceae	निरगुडी

<i>Bauhinia racamosa</i> Vahl.	Leguminaceae	आपटा
<i>Lawsonia inermis</i> L.	Lythraceae	मेहंदी
<i>Ceiba pentadra</i> Gaertn.	Malvaceae	सेमुल
<i>Firmiana colorata</i> Roxb.	Malvaceae	कवशी
<i>Azadirachta indica</i> A. Juss.	Meliaceae	कडुलिंब
<i>Melia azedirach</i> L.	Meliaceae	लिंबारा
<i>Murraya koenigi</i> Sprengel.	Rutaceae	कडीपत्ता
<i>Aegle marmelos</i> L. Correa	Rutaceae	बेल
<i>Sapindus mukorossi</i> Gaertn.	Sapindaceae	रिठा
<i>Balanites aegyptiaca</i> L.	Zygophyalaceae	हिंणबेट

Other Important Plants / इतर झाडे

<i>Buchanania cochinchinensis</i> Almeida	Anacardiaceae	चारोळी
<i>Semecarpus anacardium</i> Buch.- Ham	Anacardiaceae	बिब्बा
<i>Spondias pinnata</i> Kurz.	Anacardiaceae	अंबाडा
<i>Bixa orellana</i> L.	Bixaceae	शेंदरी
<i>Cordia sebestena</i> L.	Boraginaceae	कोरडिया
<i>Anogeissus latifolia</i> Wall. ex Guill. & Perr.	Combretaceae	धावडा
<i>Terminalia tomentosa</i> Willd.	Combretaceae	ऐन
<i>Elaeocarpus ganitrus</i> L.f.	Elaeocarpaceae	रुद्राक्ष
<i>Samanea saman</i> Merr.	Fabaceae	रेनट्री

<i>Barringtonia acutangula</i> Gaertn.	Lecythidaceae	नेवर
<i>Adenantha pavonia</i> L.	Leguminaceae	रतनगुंज
<i>Albizzia lebeck</i> (L.) Benth.	Leguminaceae	शिरीष
<i>Bauhinia vahlii</i> Wight & Arn.	Leguminaceae	कांचनवेल
<i>Aphanamixis polystachya</i> Parker	Meliaceae	रोहितक
<i>Swietenia mahogani</i> Jacq.	Meliaceae	मोहोगणी
<i>Ficus racemosa</i> L.	Moraceae	उंबर
<i>Ficus benjamina</i> L.	Moraceae	बेंजामिन वड
<i>Ficus religiosa</i> L.	Moraceae	पिंपळ
<i>Bambusa spp.</i>	Poaceae	बांबू
<i>Schleichera oleosa</i> Oken.	Sapindaceae	कुसुंब
<i>Holoptelea integrifolia</i> Planch.	Ulmaceae	वावळ




Principal
Someshwar Science College, Someshwar


Principal
Someshwar Science College, Someshwar

The biodiversity of Shri Someshwar Shikshan Prasarak Mandal's Sharadchandra Group of Institute

Flora:



Activ
Go to

Fauna:




Activa
Go to St



Then Principal Dr. R. G. Pawar planting a coconut tree in Somehwar Devrai






Principal
Someshwar Science College, Someshwamaga

**The Leader of Opposition Maharashtra State Legislature Assembly, Mr. Ajit Pawar,
visited Someshwar Devrai**



Team AASHA planting a tree in Someshwar Devrai


Principal
Someshwar Science College, Someshwamagar

Shri Someshwar Shikshan Prasarak Mandal's

Someshwar Science College,

Someshwarnagar, Baramati.

NOTICE

Date: 10/08/2021

It is hereby notified to all faculty, teaching, and non-teaching staff that, the workshop on- **Seed Rakhi Making** and the *Vrukshabandhan* activity is organized in the College. The attendance of all the students, teachers, and non-teaching staff is mandatory.

The details of the program are as follows:


Venue: Botany Department (Rakhi Making) *Vrukshabandhan* (College Premises)

Date: 13/08/2021

Time: 10.00AM




Principal
Someshwar Science College, Someshwarnagar


Principal
Someshwar Science College, Someshwarnagar



Shri Someshwar Shikshan Prasarak Mandal's

SOMESHWAR SCIENCE COLLEGE

Someshwarnagar, Baramati.

A detailed report on

Workshop on Seed Rakhi Making and

The Vrukshabandhan

Organized on

13th August 2021

Shri Someshwar Shikshan Prasarak Mandal's

Someshwar Science College,

Someshwarnagar, Baramati.

Department of Botany

Report of the One-Day Workshop

Title of the activity: Seed Rakhi Making Workshop and Vrukshabandhan (Tying Seed Rakhi to Trees)

Date of conduction of the activity: 13 August 2021

Objectives of the practice:

1. To develop entrepreneurship among our students
2. To promote nature conservation
3. To motivate students for tree plantation

In preparation for the festival of Rakshabandhan, the Department of Botany took an innovative initiative by organizing a Seed-Rakhi Making workshop. This unique event aimed to promote the use of native plant seeds in the creation of Rakhis, traditional bracelets exchanged during the festival. On the 13th of August 2022, a group of 37 enthusiastic participants gathered at the workshop to learn and engage in this environmentally friendly activity.

The workshop served multiple purposes, combining cultural traditions with the importance of native plant conservation. By utilizing seeds of indigenous plants, the participants not only celebrated the festival but also contributed to the preservation of local biodiversity. This approach fostered a deeper appreciation for the natural resources surrounding their community.

Under the guidance of experienced botany professionals, the participants learned about different types of seeds, their growth patterns, and their ecological significance. The workshop provided a platform for individuals to understand the interdependence between plants and humans and how their actions could impact the environment positively.

During the hands-on session, participants carefully selected and arranged seeds of various colors, shapes, and sizes to create intricate designs for their Rakhis. They showcased their creativity by incorporating different seed varieties, such as sunflower, marigold, neem, and jasmine, among others. This process not only enhanced their artistic skills but also reinforced their knowledge of local plant species.

The workshop culminated in an exhibition where the participants proudly displayed their beautifully crafted Seed-Rakhis. This display attracted attention from the wider community, fostering conversations about the significance of using sustainable materials in cultural celebrations. The event successfully raised awareness about the importance of preserving native plants and the potential for incorporating eco-friendly practices into everyday life.

The Seed-Rakhi Making workshop organized by the Department of Botany proved to be a remarkable initiative, combining cultural traditions with ecological consciousness. Through this event, participants not only celebrated Rakshabandhan but also learned how their actions could contribute to the conservation of native plants and the environment. The workshop served as a catalyst for change, inspiring individuals to adopt sustainable practices in their future celebrations and daily lives.

Photos



Students making seed rakhi





Students tying seed rakhi to the trees Vrukshabandhan

सकाळ

सोमेश्वरनगर येथे बीजराखी उपक्रम



सोमेश्वरनगर (ता. बारामती) : झाडाला राख्या बांधताना सोमेश्वर विज्ञान महाविद्यालयाचे विद्यार्थी.

सोमेश्वरनगर, ता. १४ : येथील सोमेश्वर विज्ञान महाविद्यालयाच्या वतीने 'बीजराखी निर्मिती कार्यशाळा व वृक्षाबंधन' हा अनोखा उपक्रम राबविण्यात आला. यामध्ये ८९ विद्यार्थी-विद्यार्थिनींनी शंभर बीजराख्या तयार करून त्या झाडाला बांधल्या. पाऊस पडल्यावर सदर वेलवर्गीय वनस्पतींच्या बिया मातीत मिसळून झाडाखाली उगवणार आहेत.

Pune, District-Today1

सोमेश्वर शिक्षण प्रसारक मंडळाच्या सोमेश्वर विज्ञान महाविद्यालयाने बीजराखी तयार करण्याची कार्यशाळा आयोजित केली. वनस्पतीशास्त्राचे अध्यापक शुभम ठोंबरे यांच्या संकल्पनेनुसार विविध बियांचा गट्टा करून त्याभोवती राखी विणण्यात आली. सीताफळ, बहावा यासह भोपळा, करवंद, गुलबक्षी, गोकर्ण, घेवडा अशा वेलवर्गीय वनस्पतींच्या बियांचा वापर करण्यात आला.

या बीजराख्या करंज, आंबा, पेरू, चिकू, चिंच अशा झाडांना बांधण्यात आल्या.

या निमित्ताने ठोंबरे यांनी विद्यार्थ्यांना वृक्षाबंधनाचे महत्त्व विशद केले. याप्रसंगी संस्थेचे सचिव भारत खोमणे, प्राचार्य डॉ. रामचंद्र पवार, प्रा. धनंजय बनसोडे, प्रा. माधुरी भांडवलकर, प्रा. जयश्री भोसले, प्रा. सुनीता घाडगे, प्रा. प्रिया राऊत, प्रा. उमेश अहिरे, प्रा. सूरज माळशिकारे उपस्थित होते.

News published in Dai. Sakaal

Principal
Someshwar Science College, Someshwar, Baramati



Principal
Someshwar Science College, Someshwar, Baramati