

GREEN AUDIT

STUDY PERIOD (TWO YEARS) 2020-21 & 2021 -22

Sustainability study

AUDIT REPORT

Studied for

Shikshana Prasaraka Mandal's

Ramnarain Ruia Autonomous College

L. Nappo Road, Matunga, Mumbai - 400019



Studied by

Greenovia
Solutions

Valid till May 2023

Disclaimer

The Audit Team has prepared this report for the **Shikshana Prasarak Mandali's Ramnarain Ruia Autonomous College** located at L. Nappo Road, Matunga, Mumbai - 400019 based on input data submitted by the College and analyzed by the team to the best of their abilities.

The details have been consolidated and thoroughly studied as per the various guidelines for Green Buildings available in National and International Standards; the report has been generated based on a comparative analysis of the existing facilities and the prerequisites formulated by various standards. The inputs derived are a result of the inspection and research. These will further enhance and develop a Healthy and Sustainable Institution.

These can be implemented phase-wise or as a whole depending on the decision taken by the Hon'ble Management and College. The warranty or undertaking, expressed or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements, or forecasts in the report.

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Greenvio Solutions

Developing Healthy and Sustainable Environments

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Introduction

About Shikshana Prasaraka Mandali

Founded in 1888, Shiksha Prasaraka Mandali is one of the pioneers of educational societies in our state. The institution since its inception is determined to build an environment that encourages the spirit of free-thinking, thus imparting quality education to more than 45,000 students.

S.P. Mandali owns educational institutions including pre-primary, primary, secondary, and higher secondary schools, colleges for Arts, Science, and Commerce, a school for hearing impaired children, a therapeutic drug monitoring laboratory, and an institute carrying out research in Ayurvedic and Herbal Medicine and management institutes.

Assessment of the College

NAAC - The following are details of the reaccreditation of the College.

Cycle	First	Second	Third	Fourth
CGPA	NA	NA	3.65	3.70
Grade	Four star level	A Level	A	A+
Year	1999	2007	2012	2017

Table 1: NAAC Accreditation details of the Institute

The College is due to enter its Fifth cycle of NAAC.

Total College Area & College Building Spread Area

The **total site area is 2 acres** and the **total Built-up area of the College is 1,12,062 sq. ft.** for a **total of 3,561 footfalls.**

Green Practices Audit

The Institution has undertaken the following initiatives through **excellent efforts** toward saving environment measures. The data has been documented as presented below:

Name of the activity	Date	Activity undertaken
Tree Plantation	14/07/20	Performed tree plantation in the neighborhood with their respective family members
Evolution: Water Footprint	09-09-2020	This project aimed to spread information on unique topics through easy-to-understand animated slides. For Evolution: Water Footprint, the illustrations explained the meaning of water footprint, why is it important and how is it calculated.
International Day of Awareness of Food Loss and Waste Infographic	29-09-2020	This project was conducted to spread knowledge among people about the economic and environmental impact of food wastage and to make people aware of ways they can help with reducing food wastage.
Engaged For Care: Sapling Plantation	25-10-2020	This project was conducted to introduce the concept that plants can be planted with the basic supplies which are available at home rather than buying from shops and to practice the 3R's Reduce, Reuse and Recycle.
Cleanliness Drive	08/03/21	The cleanliness drive was undertaken by students in their neighborhood.
World Water Day	22-03-2021	The project World Water Day was conducted to spread the importance of that day and saving water to the audience through infographics.
World Environment Day	05-06-2021	The poster-making competition was Organised in online mode.
Aider La Foret	1/07 to 29/07/2020	This project aimed to encourage participants to plant and nurture saplings of different plants, dedicate saplings of trees to someone they love or miss, or to a cause or aspect of life, and also encourage urban gardening.
Swachhata Pakhwada	1/12 to 15/12/2020	Done blogging activity emphasizing the importance of cleaning
Tree Plantation	28-07-2021	To save the endangered environment and to beautify our life. To maintain an ecofriendly environment.
Tree plantation	28-07-2021	Tree plantation by cadets in the name of Kargil war heroes.
Harmful effects of single-use plastic	09-08-2021	video making on the topic 'Harmful effects of Single-use plastic'. the cadets explained how dangerous plastic is for the environment and pledged to follow 'Say no to Plastic.'
Statue cleaning	14-08-2021	To promote the conservation and preservation of our

activity		heritage by cleaning the statues.
The Puneet Sagar Beach Cleaning Activity	13-12-2021	Cadets collected around 1 kg of plastic waste and spread more awareness regarding the cleanliness of beaches, they posted the activity on social media at Shivaji Park, Dadar.
Beach Cleaning Activity	19-12-2021	Conducted beach cleaning activity at Dadar.
The Puneet Sagar Beach Cleaning event	29-12-2021	Cadets actively took part in the cleanliness activity of Versova beach.
Beach Cleaning Activity	02-01-2022	Conducted beach cleaning activity at Juhu.
On EARTH DAY Vriksha Sanjeevani Abhiyan	22-04-2022	Cadets cleaned the tree bases and collected plastic waste, nails, posters, banners, and debris around the trees. They also took a selfie with trees older than 50 (Heritage trees) years to create awareness of the movement.
Cosmopolitan	10 to 24/09/ 2021	A series of sessions on animal rights and welfare.
Litter Rid	10-02-2022	A session on segregation of waste.
Effective Gardening	19-07-2021	Tips and tricks about managing a healthy garden were shared.

Name	Resource Person	Nature	Date	Activity undertaken
Tee to Tote	Ms. Divya Ravindranath	Workshop	18-07-2020	workshop conducted to teach participants how to upcycle a t-shirt into a bag and to encourage participants to use cloth bags instead of hazardous plastic bags.
Urban Gardening	Ms Sae Ranade	Workshop	27-08-2020	Urban Gardening was a workshop on home gardening conducted to create awareness, promote, and encourage people to practice home organic gardening and farming.
No More Shush, Period		Webinar	08-10-2020	No More Shush, Period was conducted to create awareness about menstrual cups and their benefits and to eliminate the myths surrounding menstrual cups.
Menstrua-'shun'	Dr. Seema Arawkar	Webinar	18-11-2020	To provide the knowledge about health and hygiene maintained during the menstrual cycle.
Garden Designing	Ms. Anita Shyam Panikar	Webinar	16-01-2021	A webinar was conducted to demonstrate garden design.

Fundamentals and Scope of Sustainable Bioenergy research	Dr.Aditya sarnaik	Webinar	30-01-2021	The webinar was conducted keeping in line with United Nations Sustainable development goals wherein we need to identify different approaches for generating sustainable energy resources through biological sources, particularly microbial domain.
Lecture on "Terrace Gardening- The SPNF method'	Padmashree Shri Subhash Palekar	Webinar	11-02-2021	A webinar was conducted to enable students to make their terrace garden through the SPNF method.
Sustainable Development Goals- Challenges, solutions & Policy Directions	Mr. M.N.V. Prasad	Webinar	23-02-2021	To spread awareness about the SDGs and encourage students to implement them in every possible way.
Carbon Footprint and Carbon Credits	Ms. Sheetal Mohile	Webinar	27-02-2021	To know about the Carbon Footprint and Carbon Credits.
Small birds on big mountains	Dr. Sahas Barve, Peter Buck fellow, Smithsonian National Museum Natural History, Washington, D.C., U.S.A.	Webinar	19-03-2021	A webinar was conducted to know about the different species of small birds on the mountain.
Webinar on Wildlife and Nature of Odisha	Dr. Satyaranjan Behra	Webinar	22-03-2021	To provide knowledge on the rich flora of Odisha.
Flora of Odisha- An epitome of plant biodiversity of Eastern Ghats	Dr. P. C. Panda	Webinar	31-03-2021	To provide knowledge on the rich flora of Odisha.
Plastic waste management	Mr. Ajay Rajput, Secretary of Global green resonance foundation.	Webinar	07-04-2021	A webinar was conducted to make people aware of plastic waste. this activity was conducted to encourage people to conduct plastic management drives.
Say No to plastic	Mr. Ajay Rajput	Webinar	13/04/21	Conducted webinar on how to avoid the use of plastic.

International Day for Conservation of Mangroves- Constraints in Mangrove conservation".	Prof. C.C. Harilal	Webinar	26-07-2021	To explain the importance of saving mangroves.
Mangroves-Life Guards of Mumbai	Mr.Hemant V. Karkhanis, Associate manager, Mangrove Department, Construction business unit of Godrej and Boyce Mfg. Co. Ltd	Webinar	27-07-2021	A webinar was conducted to know about the diversity of mangroves around Mumbai and the importance of mangroves.
Celebration of World Nature Conservation Day	Dr. Sanchita Choudhary	Webinar	28-07-2021	To spread awareness about Miyawaki Forestation & Urban Farming as a mode of restoring the vegetation lost due to urbanization. Encourage the youth to indulge in growing their food within the limited space available to them in urban areas.
Sustainable Development Goals	Sushank Tomar, Aakash Ranison	Webinar	18-09-2021	Students were made aware of how to adapt and lead a better future through 17 SDGs.
Zero Waste Campaign aimed at raising awareness and increasing consumer responsibility concerning the waste crisis. under SDG Goal 11	Students participated through telegram group	Campaign	1/10/2021 to 31/10/2021	To promote the SDG goals as outlined by the UN To highlight the importance of waste management in the face of the alarming waste crisis To encourage a sense of consumer responsibility towards waste generation. To instill more sustainable lifestyle changes.

4 workshops- 1. Kitchen gardening, 2. Recycling Kitchen Waste, 3. Aquaponics, 4. Drying flowers and value addition under SDG Goal 11	Dr. Sanchita Choudhary	Workshop	21, 22, 24, and 25 Jan 2022	To explain techniques of kitchen gardening, aquaponics, and drying flowers, about kitchen waste management. To help in the entrepreneurial activity of value addition of dried flowers. Participants learned the mentioned techniques. This will help in sustainable living through the management of waste, and improving contribution through kitchen gardens. Students were encouraged and inspired to make an entrepreneurial career in the drying of flowers and value addition.
Marine Pollution	Mr. Tushar Warang	Webinar	27-01-2022	A webinar was conducted to give knowledge about marine pollution.
Avoiding Single-Use Plastics - Awareness & Alternatives under SDG Goal 11 and activity under Azadi ka Amrut Mahotsava campaign of the Government of India	Ms. Antara Vaidyanathan	Webinar	03-02-2022	This session was organized to raise awareness among the general public about the Plastic Waste Amendment Rules 2021, and how it adds to the Plastic Waste Amendment Rules 2016. Participants became aware of the newly added Amendment Rules and the existing framework of the Plastic Waste Rules 2016. The global and local (national) situation regarding waste management was discussed with them. The power of communities and grassroots movements were also used as motivational tools for bringing about the much-needed lifestyle changes toward sustainable living.

Table 2: Details of the virtual eco-friendly initiatives

