



Maratha Vidya Prasarak Samaj's
G.M.D. Arts, B.W. Commerce and Science College, Sinnar, Tal. Sinnar

Best Practice: 1

1. Title: Clean Campus and Green Campus and Save the Environment

2. Objectives:

- To plant and preserve trees
- To inculcate the sense of environmental awareness among the stakeholders
- To fulfill the motto of the college- 'Green College, Clean College'
- To make the campus clean and plastic free

3. Context: This College is situated in rural, drought prone and industrial area, where the insufficient availability of water and increased pollution level are observed. Being established in 1969, the college is deeply concerned about the conservation of ecology and the environment. Environment has become a global concern in these days. Carbon emission is a lethal global threat. Global warming leads to the abrupt climate change. We have been profoundly affected by the abrupt and destructive hailstorms due to volatile weather conditions. Consequently, there is a drastic change on the monsoon pattern. The agrarian distress has been increased due to the climate change. Thus, the college has initiated several activities to save the environment and climate. The campus is enriched with floral diversity.

4. The Practice:

Every year, the college undertakes Tree Plantation drive. Hence, the four *vanas* (Gardens) are developed on the campus namely *Vrundavan*, *Nakshatravan*, *Rashivan* and *Saraswativan*, Medicinal Plants Garden, Botanical Garden. We have planted varieties of tree from local as well as exotic plants. There are boards displaying the botanical and local names of the planted trees in the garden. A well irrigated system is developed to supply water to the plants and the trees. Through the Rain Water Harvesting System, the water is collected in the natural pond that is created in the campus and the water is supplied to the trees in the campus.

There is a water tank in the campus. The water from the rain is stored in large well. The water is carried through underground pipeline to the tank. Same water is utilised for the trees and utility purpose.

A Vermi-compost unit is set up with 10 beds and 200 Kg capacity. The purpose of this unit is to generate organic fertilizer and provide it to the existing plants in the campus. The shaded leaves of the trees and wet and dry garbage are dumped in the Vermi-compost unit to process

into organic fertiliser. Despite being arid and rocky type of soil, the college campus is largely covered with dense vegetation.

The college has installed two Solar Energy Plants. One is 15.3 KWh off grid and other is 7.5 KWh on grid which conserve the conventional energy resources and hence saves the cost of electricity. It is clean, renewable and non-polluted form of energy. Green and Energy Audits are undertaken time to time through internal and external agency.

During the various activity programs like Seminars, Conferences Workshops, Meetings, Farewell Ceremonies, Induction, Inaugural Ceremony and various activities conducted for student support services, it is our practice to write blackboard with chalk instead of plastic flex board.

The plastic water bottle is mostly avoided during these programs. The dignitaries are felicitated by offering books instead of plastic wrapped bouquets and flowers.

5. Evidence of Success: We have planted 1090 plants during the last 05 years and the total number of trees in the campus is 2090. It has helped to transform the college campus into green ambience. Apart from this, the volunteers of NSS, NCC and Rover Ranger have planted around 650 trees off the campus. The volunteers have spread around 3000 seed balls on the hills like *Dhagya Dongar* and *Duberegad* in the last two years. The college has established '*Nisarg Mandal*' (Nature Club). The Principal Dr. P. V. Rasal has been honored with '*Nisarg Ratna Puraskar*' by *Nisarga Mitra Samiti*, Dhule. He has also been honored with 'Vice-President Award' by the Government of India for his contribution in planting trees as a part of social services through Rover Ranger Unit.

The entire Campus is plastic free. Polythene bags are banned in the campus. CFL Bulbs and LED lights are installed. The average power generation per day is 45 KWh Units. The average power consumption from grid (MSEDCL) is 120 KWh per day. The college solar system generates 37.5% of the electricity consumed by the college per day. Approximately, 42.3 Kg carbon dioxide (CO₂) generation is avoided per day. There is an automobile restricted area on the campus. The College uses five star rating branded electric equipments for energy saving. Most of the students and staff members commute by using public transport services. We observed 'No Vehicle Day' on the 1st day of every month. The staff members use 'Car Pool' to commute the college.

6. Problems Encountered and Resources Required:

Problems Encountered

- Unavailability of funds
- The Government representatives, local NGOs are reluctant to help
- Due to low ground water level during summer season, that is why we have to depend upon the annual rain fall.
- NET meter issues occurred after the installation of solar energy panel.
- Difficult to make awareness about complete ban on plastic among the students as they as used to it.

Resources Required

- Necessary to raise fund
- The permanent availability of water
- Active participation of NGOs and Government Authorities
- Alternative source of plastic – Use of traditional means
- Needs to be appreciated

Glimpses of the Evidences:

1. Vrindavan Vana



2. Rashi Vana



3. Nakshatra Vana



4. Saraswati Vana



महाराष्ट्र विद्या प्रसारक समाजाचे.

गुरुवर्य मामासाहेब दांडेकर कला, भगवंतराव वाजे वाणिज्य आणि विज्ञान महाविद्यालय, सिन्नर

१) पिंपळ	१४) आवळा
२) आवळा	१५) हिरडा
३) हिरडा	१६) नारळ
४) नारळ	१७) हिरडा
५) बदाम	१८) नारळ
६) आवळा	१९) पिंपळ
७) पिंपळ	२०) आवळा
८) आवळा	२१) बदाम
९) हिरडा	२२) नारळ
१०) नारळ	२३) हिरडा
११) हिरडा	२४) आवळा
१२) नारळ	२५) पिंपळ
१३) पिंपळ	

*** सरस्वती वन ***

संरचना : वरील शब्दांनुसार पिंपळ, आवळा, हिरडा, नारळ, बदाम हे वृक्षांचा संबंध मानवी मॅट्रिची वेळी म्हणून उभा ठिकठिकाणी मॅट्रिची संबंधित गेठी करतात. तेथे या वृक्षांची विविध पद्धतीने लागवड करून हे वन तयार होते.

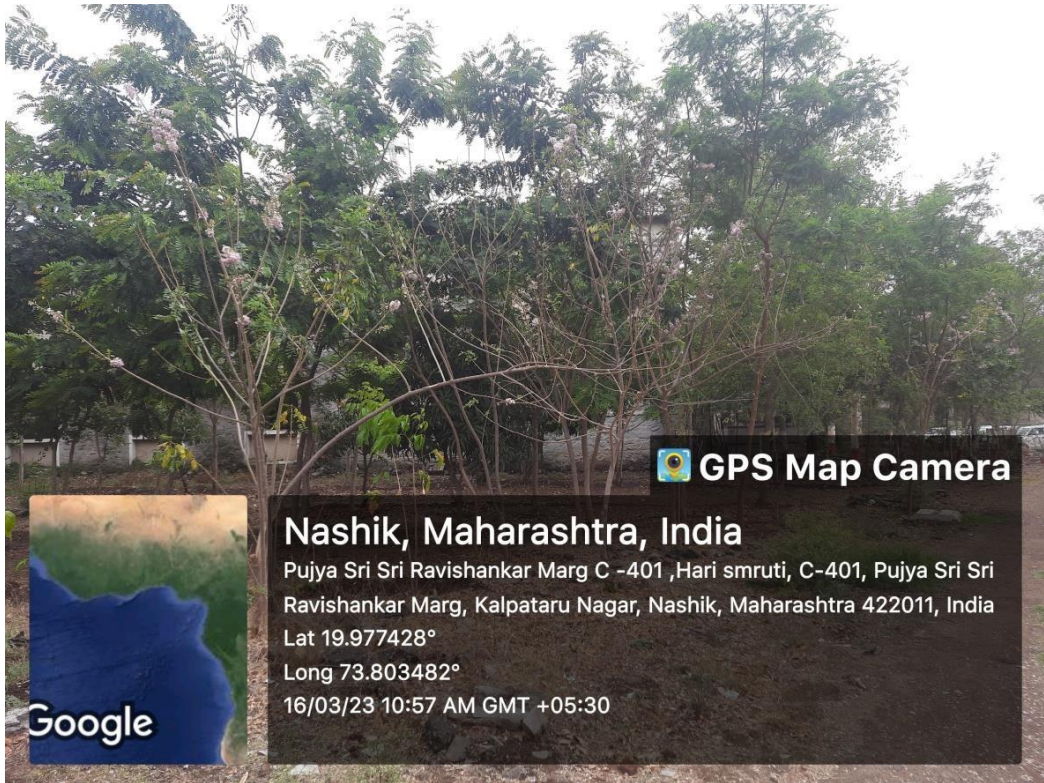
संख्या : या वनामध्ये पिंपळ, आवळा, हिरडा, नारळ व बदाम वृक्षांची लागवड प्रत्येकी ५ वृक्ष असून एकूण २५ वृक्ष वरील आकृतीत दर्शविल्या प्रमाणे लावलेले आहेत.


मराठी : या वनातून वृक्षांचा एकत्रित परिष्कार वित्त एकत्र होण्यासाठी होतो. म्हणून ज्ञान सांगताना करणारा या वनाचा उपभोग होतो.

Dr. Manoj Deshpande : 981993225



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Lat: 19.85 | Long: 73.99



 **GPS Map Camera**

Nashik, Maharashtra, India

Pujya Sri Sri Ravishankar Marg C -401 ,Hari smruti, C-401, Pujya Sri Sri Ravishankar Marg, Kalpataru Nagar, Nashik, Maharashtra 422011, India

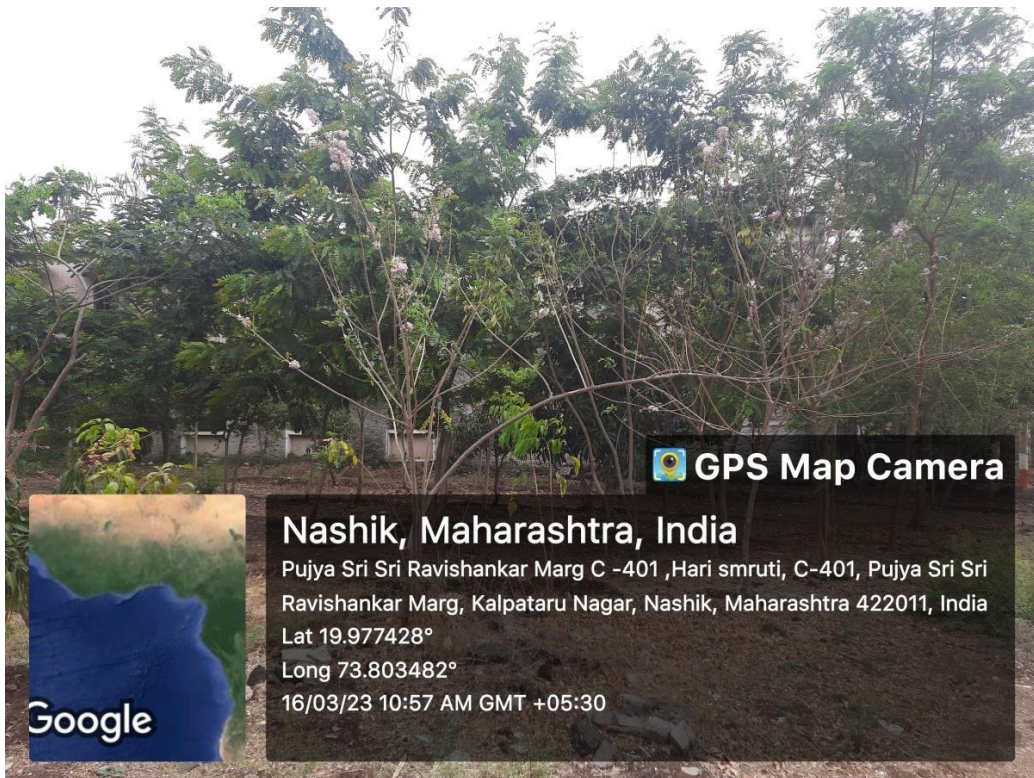
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Long 73.803482°

16/03/23 10:57 AM GMT +05:30



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Lat 19.977428°

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16/03/23 10:57 AM GMT +05:30



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Solar Power Generation Monthly for 2022-23

Sr. No.	Month	Energy Generated kWh	Energy Consumed by college kWh	CO ₂ credit in Kg
1	June	109	2904	91.778
2	July	400	3561	336.8
3	August	36474	0	30711.108
4	Sept	1337	8986	1125.754
5	October	760	2242	639.92
6	Nov	1414	1560	1190.588
7	Dec	1373	1424	1156.066
8	Jan	1684	2002	1417.928
9	Feb	1790	2533	1507.18
10	March	2009	4342	1691.578
11	April	1994	3834	1678.948
12	May	1904	3834	1603.168
Total Units		51248	37222	Avg. CO₂ Credit = 43150.82kg


CO-ORDINATOR
 IQAC
 G.M.D. Arts, B.W. Commerce
 And Science College, Sinnar




Principal
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