

ENVIRONMENT AUDIT

STUDY PERIOD (TWO YEARS) 2020 – 2021 & 2021 – 2022

Sustainability study
AUDIT REPORT

Studied for
Savitribai Phule Shikshan Parasarak Mandal's
**Loknete Gopinathji Munde Arts,
Commerce & Science College**
At Post Tal Mandangad,
Dist. Ratnagiri - 415 203, (Maharashtra) India

Studied in the capacity of
Accredited and Certified
Green Building Professional



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Valid till **April 2024**

Disclaimer

The Audit Team has prepared this report for the **Savitribai Phule Shikshan Parasarak Mandal's Loknete Gopinathji Munde Arts, Commerce & Science College** located At Post Tal Mandangad, Dist. Ratnagiri - 415 203, (Maharashtra) India based on input data submitted by the College analysed 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 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.

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Greenvio Solutions

Developing Healthy and Sustainable Environments

We are an Environmental and Architectural Design Consultancy firm

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Introduction

About the Institute and its history

The College was established with the primary aim of providing an array of courses for the students of rural setup of Mandangad and its surrounding area. In recent past, several need based courses (U. G. Program) have been introduced to equip students to meet global challenges. The College aims at providing quality education to all.

About environment audit

The landscape area has a variety of plantations constituting hundreds of surveyed trees in premises in the last few years as follows with detail description of each.

S. No.	Plant name	Planted by
1	<i>Acalypha Wilkesiana</i>	Cultivated
2	<i>Adenium</i>	Cultivated
3	<i>Allamanda Blanchetil</i>	Cultivated
4	<i>Anona Squamosa</i>	Cultivated
5	<i>Anona Reticulata</i>	Cultivated
6	<i>Anthocephalus Indicus</i>	Cultivated
7	<i>Alstonia Scholaris</i>	Cultivated
8	<i>Asparagus Racemosus</i>	Naturally grown
9	<i>Adhatoda Vasica/Zylanica</i>	Naturally grown
10	<i>Achyranthes Aspera</i>	Naturally grown
11	<i>Aegle Marmelos</i>	Cultivated
12	<i>Abrus Precatorius</i>	Cultivated
13	<i>Azadirachta Indica</i>	Cultivated
14	<i>Anacardium Occidentale</i>	Cultivated
15	<i>Averrhoa Carambola</i>	Cultivated
16	<i>Aloe Vera</i>	Cultivated
17	<i>Alpinia Galanga</i>	Cultivated
18	<i>Argemone Mexicana</i>	Naturally grown
19	<i>Argeria Nervosa (Samudrashok)</i>	Naturally grown
20	<i>Areca Catechu</i>	Cultivated

21	<i>Acacia Catechu</i>	Naturally grown
22	<i>Artabotrys Odorattisimus</i>	Cultivated
23	<i>Barleria Cristata</i>	Cultivated
24	<i>Barleria Prionitis</i>	Cultivated
25	<i>Baliospermum Montanum (Danti)</i>	Cultivated
26	<i>Balsam Impatiens</i>	Naturally grown
27	<i>Bignonia Sp.</i>	Cultivated
28	<i>Bismarckia Nobilis (Fan Palm)</i>	Cultivated
29	<i>Bombax Ceiba</i>	Naturally grown
30	<i>Breynia Retusa (Cup Saucer Plant)</i>	Naturally grown
31	<i>Bryophyllum Pinuafum</i>	Cultivated
32	<i>Butea Monosperma</i>	Cultivated
33	<i>Bauhinia Racemosus</i>	Cultivated
34	<i>Bridelia Retusa (Aasana)</i>	Naturally grown
35	<i>Callistemon Lanceolatus/Rigidis</i>	Cultivated
36	<i>Cassia Fistula</i>	Cultivated
37	<i>Cassia Tora L.</i>	Naturally grown
38	<i>Cassia Alata</i>	Naturally grown
39	<i>Chamicrista Nictitans (Chinchnya)</i>	Naturally grown
40	<i>Chamisrista Faciculata</i>	Naturally grown
41	<i>Caesalpinia Crista Thunb., Guilandina Bonduc L./ Caesalpinia Bonduc (L.) Roxb.</i>	Naturally grown
42	<i>Caesalpinia Pulcherrima (L) Sw</i>	Cultivated
43	<i>Carica Papaya</i>	Cultivated
44	<i>Citrus Limon</i>	Cultivated
45	<i>Cinnamomum Tamala</i>	Cultivated
46	<i>Calotropis Procera</i>	Naturally grown
47	<i>Calotropis Gigantea</i>	Naturally grown
48	<i>Carissa Carandus</i>	Naturally grown
49	<i>Caryota Urens (Fishtail Palm)</i>	Cultivated
50	<i>Centella Asiatica</i>	Cultivated
51	<i>Cestrum Nocturnum (Night Jasmine)</i>	Cultivated
52	<i>Ceropegia Sp.</i>	Naturally grown
53	<i>Clerodendrum Serratum (Bharangi)</i>	Cultivated
54	<i>Casuarina Equisetifolia</i>	Cultivated

55	<i>Celosia Argentea</i>	Naturally grown
56	<i>Cocos Nucifera</i>	Cultivated
57	<i>Codiaeum Variegatum</i>	Cultivated
58	<i>Spathodea Campanulata</i>	Cultivated
59	<i>Couroupita Guianensis</i>	Cultivated
60	<i>Colocasia Sp.</i>	Naturally grown
61	<i>Costus Igneus/Speciosus</i>	Cultivated
62	<i>Curcuma Longa</i>	Cultivated
63	<i>Cynadon Dactylon</i>	Naturally grown
64	<i>Delonix Regia (Hook.) Raf.</i>	Cultivated
65	<i>Duranta Erecta L.</i>	Cultivated
66	<i>Eleocarpus Sphaericus</i>	Cultivated
67	<i>Euphorbia Hirta</i>	Naturally grown
68	<i>Erythrina Indica</i>	Cultivated
69	<i>Ficus Benghalensis</i>	Cultivated
70	<i>Garcinia Indica</i>	Cultivated
71	<i>Grevillea Robusta (Silk Oak)</i>	Cultivated
72	<i>Grevia Tilliifolia (Dhaman)</i>	Naturally grown
73	<i>Grevia Asiatica</i>	Naturally grown
74	<i>Gloriosa Superba</i>	Naturally grown
75	<i>Howea Forsteriana (Kentia Palm)</i>	Cultivated
76	<i>Heliotropium Indicum</i>	Naturally grown
77	<i>Hemidesmus Indicus</i>	Naturally grown
78	<i>Hibiscus Rosa Sinensis</i>	Cultivated
79	<i>Holarrhena Antidysentrica (Kuda)</i>	Naturally grown
80	<i>Jusminum Mulbaricum (Kund)</i>	Naturally grown
81	<i>Lantana Camara</i>	Naturally grown
82	<i>Largestomia Speciosa(Tamhan)</i>	Cultivated
83	<i>Lawsonia Inermis</i>	Cultivated
84	<i>Melaleuca Bracteata</i>	Cultivated
85	<i>Mangifera Indica</i>	Cultivated
86	<i>Mimusops Elengi</i>	Cultivated
87	<i>Mimosa Pudica</i>	Naturally grown
88	<i>Michelia Champaca</i>	Cultivated
89	<i>Millingtonia Hortensis</i>	Cultivated

90	<i>Morus Alba</i>	Cultivated
91	<i>Moullava Spicata Dalzell Nicolson</i>	Naturally grown
92	<i>Mussaenda</i>	Cultivated
93	<i>Murraya Koenigii</i>	Cultivated
94	<i>Nyctanthes Arbortristis</i>	Cultivated
95	<i>Nerium Indicum</i>	Cultivated
96	<i>Oxalis</i>	Naturally grown
97	<i>Pathos (Money Plant)</i>	Cultivated
98	<i>Peltophorum Pterocarpum,</i>	Cultivated
99	<i>Plumbago Zylanica</i>	Cultivated
100	<i>Polyalthia Longifolia</i>	Cultivated
101	<i>Pongamia Pinnata</i>	Cultivated
102	<i>Psidium Guajava</i>	Cultivated
103	<i>Pterocarpus Marsupium</i>	Cultivated
104	<i>Putranjiva Roxburghii</i>	Cultivated
105	<i>Ocimum Sanctum</i>	Cultivated
106	<i>Phyllanthus Officinale</i>	Cultivated
107	<i>Rosa Centifolia</i>	Cultivated
108	<i>Rosa Indica</i>	Cultivated
109	<i>Roystonea Regia (Bottle Palm)</i>	Cultivated
110	<i>Smithia Setulosa</i>	Naturally grown
111	<i>Smithia Sensitiva</i>	Naturally grown
112	<i>Solanum Virginianum (Ringni)</i>	Naturally grown
113	<i>Syzygium Cumini</i>	Cultivated
114	<i>Tabernaemontana Divaricata (L.)</i>	Cultivated
115	<i>Tamarindus Indica L.</i>	Cultivated
116	<i>Terminalia Arjuna</i>	Cultivated
117	<i>Terminalia Belerica</i>	Cultivated
118	<i>Terminalia Catappa</i>	Cultivated
119	<i>Terminalia Chebula</i>	Cultivated
120	<i>Terminalia Tomentosa</i>	Naturally grown
121	<i>Tectona Grandis</i>	Cultivated
122	<i>Tinospora Cordifolia</i>	Cultivated
123	<i>Vinca Rosea Catharanthes</i>	Cultivated
124	<i>Vitex Negundo</i>	Naturally grown

125	<i>Vetivera Zizanoides</i>	Cultivated
126	<i>Withania Somnifera</i>	Cultivated
127	<i>Woodfordia Fruticosa</i>	Cultivated
128	<i>Wodyetia Bifurcata</i>	Cultivated
129	<i>Zizyphus Oenopia</i>	Naturally grown
130	<i>Zizyphus Jujuba</i>	Naturally grown
131	<i>Habenaria Grandifloriformis</i> (<i>Habenaria</i>)	Naturally grown
132	<i>Orchid Sp.</i>	Cultivated
133	<i>Nephrolepis</i>	Naturally grown
134	<i>Adiantum</i>	Naturally grown
135	<i>Selaginella</i>	Naturally grown
136	<i>Riccia</i>	Naturally grown
137	<i>Anthoceros</i>	Naturally grown
138	<i>Funaria</i>	Naturally grown
139	<i>Polytricum</i>	Naturally grown
140	<i>Crustose</i>	Naturally grown
141	<i>Leucoagaricus Americanus -Mashroom</i>	Naturally grown
142	<i>Lepiota</i>	Naturally grown
143	<i>Leucocoprinus Fragilissimus.</i>	Naturally grown
144	<i>Leucocoprinus Birnbaumii.</i>	Naturally grown
145	<i>Calocera Cornea</i>	Naturally grown
146	<i>Dictyophora Duplicata</i>	Naturally grown
147	<i>Ganoderma Lucidum</i>	Naturally grown
148	<i>Xylaria Sp.</i>	Naturally grown
149	<i>Utricularia Sp.</i>	Naturally grown

Table 1: Details of the Flora in the premises

At present there is more than 215 numbers of plantations comprising of plants, trees, shrubs.

