



Dr.B.S.Ravikumar M.Sc,Ph.D.

Chairman, BOE in Botany (UG),

University of Mysore

HOD of Botany & Environmental Studies

AVK College for women, Hassan-573201

Email: prakum2001@yahoo.co.in

Mob: 9448535808

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AUDITED CERTIFICATE

We have great pleasure in presenting the Green Audit Report 2020-2021 of Sri Adichunchanagiri College of Arts and Commerce, Nagamangala campus. This Green Audit gives detailed information about flora and greenery area particularly medicinal garden and tree coverage within and outside the campus. This campus has global standard of green coverage. This helps to maintain ecological diversity and sustainability in the college campus.

AUDITOR

[Handwritten Signature]
23/5/2021
Dr. B.S. Ravikumar, M.Sc., Ph.D.
Chairman, BOE in Botany(UG)
University of Mysore
HOD of Botany, AVK College for Women,
Hassan-573201, Mob: 8861716456.

GREEN AUDIT REPORT: 2020-2021

Sri Adichunchanagiri College of Arts and Commerce
Nagamangala-571432

Members of Green Audit Committee	Students members
Dr. B.K.Lokesh : Principal - Committee Chairman	Varshitha D.R -III B.Sc
Dr.M.K.Manjunath : Asst.Professor of Kannada - Coordinator	Sanjaya C.N - III B.Sc
Sri.G.Rajanna : Asst. Professor of Geography -Member	Prathibha H.R - II B.Sc
Sri.S.Bore gowda : Asst. Professor of Physics -Member	Pooja S - II B.Sc
Sri.C.T.Chandrashekar :Asst. Professor of Physics -Member	Puttalingamma G.R -II B.Sc
Miss. Meghana B.V : Asst. Professor of Chemistry -Member	Kusuma S.R - III B.Sc
Miss. Shwetha S. : Asst. Professor of Chemistry -Member	Ruchitha N. - III B.Sc
	Suraj - III B.Sc

Environmental/ Green Audit Committee

Dr.B.S.Ravikumar

Green Audit committee Chairman

Chairman, BOE in Botany, University of Mysore.

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Introduction:

The term "Green" means eco-friendly environment. This can acronymically is called as "Global Readiness in Ensuring Ecological Neutrality" (GREEN). Green accounting can be defined as systematic identification quantification, recording, reporting & analysis of components of ecological diversity & expressing the same in financial or social terms. "Green Auditing", an umbrella term, is also known as "Environmental Auditing". The 'Green Audit' aims to analyze environmental practices within and outside the college campus, which will have an impact on the eco-friendly ambience.

A committee has been formed to monitor the proper conservation and plantation of the plants in the campus. As per the suggestions made by IQAC & Principal, Dr. M.K. Manjunath, Asst. Professor of Kannada was given the responsibility to do green audit with cooperation of Dr. B.S.Ravikumar, Dept. of Botany, AVK College for women, Hassan.

Sri Adichunchanagiri College of Arts and Commerce, Nagamangala was established in **1975** and accredited with Grade '**B++**' by NAAC. Total area of the college campus is 2.69 acres, of which 40 percent is covered by herbs, shrubs and trees, including valuable medicinal plants. The plants have been systematically identified by the green audit committee. There are more than 105 plant species comes under 98 genus belonging to 50 families were audited.

The green audit report has been discussed with environmental experts with suggestions to increase greenery in the campus. Extra efforts have been taken by the college to create environment consciousness amongst students. In this context an extensive plantation programme was organized by the students of Eco club, NSS and Garden committee. Plantation is encouraged by principal and faculties of all departments to increase greenery and reduce carbon emission effects.

The college campus is enriched with a well established Park with more than 25 rare and endangered medicinal plants and campus with plants of different ecological groups including ornamentals and rare tree species. The entire gardens are maintained by Eco-club and NSS. Extension programs also organized to create environment awareness and conservation of biodiversity amongst the students and public.

Area behind the main building is planted with trees and remaining space behind the building is used for landscape and sports playground. The garden situated in front of the college premises consists of Medicinal plants. Ornamentals and trees.

Identification of plant species and naming has been done with the help of Green Audit Committee which was constituted in the year 2020.

There are so many plant species in the college campus. The faculty of the college along with Dr.B.S.Ravikumar audited and identified various plant species with the help of flora. There are many medicinal plants planted in the garden situated in front of the college. It helps to identify plants with scientific names and gives information about medicinal uses of plants. The students are interested in organizing Environmental Awareness Programmes. NSS unit also joins its hands in this programme.

As there is no standard model for such an audit, the committee with the help of student volunteers & Staff Dr. M. K. Manjunath , Asst. Professor of Kannada collected the basic data available in the campus. Then the data compiled was analyzed by the subject expert Dr.B.S.Ravikumar , BOE Chairman in Botany, University of Mysore and Head of the department of Botany, AVK College for women, Hassan.

Activities organized to create greenery and its conservation at college campus is as follows-

- Plantation of diversified species
- Vegetative propagation
- Uses of medicinal plants
- Identification of plants species

Plantation of diversified species:

To create- green cover, eco-friendly atmosphere, pure oxygen at the college campus, plantation program is organized every year with involving all students, principal, and all departments faculty members. In this session van mahotsav program was organized and about 100 ornamental, avenue, medicinal plant with rare and exotic beautiful tree species were planted in botanical garden and other parts of the college

campus. To keep the greeneries in the campus, we regularly maintain the garden which is looked after by paid staff under the guidance of garden committee members. Moreover, every year we try to plant new tree and medicinal species.

Vegetative propagation:

To learn vegetative propagation, a training program is being organized to the students every year by expert gardener. Students learned various propagation techniques like cutting, grafting, and Gootee in turn helping students to multiply plants species in the college campus.

Uses of medicinal plants:

There are more than 47 species of medicinal plants are planted in college campus. The medicinal value of the plants have been made to understand to the students, the faculty members of college help them to identify with scientific name and give information about medicinal uses of the plants.

Identification of plant species:

There are many plant species are present in the college campus. The faculty member of the college audited and identified various plant species with the help of flora.


Suggestion for Future Development of Green & Clean Campus

1. Improve the greenery up to 50% by plantation like trees and medicinal plants in the campus.
2. Plantation of water harvesting plants.
3. Eco friendly management.
4. Organic farming for the support of nature and environment.
5. Development of pollution free zone
6. Awareness about cleanliness and maintenance of flora and fauna.

Post Audit

- Produce a draft report of the data collected.
- Produce a final report of the observations and inference with accuracy.
- Distribute the final report to the management.
- Prepare an action plan to overcome the problems.
- Keep a watch on the action plan.

Campus Audit is the most efficient and ecological way to solve environmental problems. It is necessary to conduct Green Audit in the college campus because students can be aware of the Green Audit. Green Audit has its own advantage to save the planet. Thus green audit becomes necessary at the college level.


23.5.2024
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GREEN AUDIT REPORT-2020-21

Sri Adichunchanagiri College of Arts and Commerce,
Nagamangala -571432

Flora of Sri Adichunchanagiri College of Arts and Commerce, Nagamangala

Biodiversity of Tree species in the campus

SI No	Botanical Name	Family	Local Name	Total no.
1	<i>Aegle marmelos</i>	Rutaceae	Bilva pathre	1
2	<i>Albizia lebeck</i>	Fabaceae	Bhage mara	7
3	<i>Araucaria heterophylla</i>	Araucariaceae	Christmas tree	2
4	<i>Areca catechu</i>	Arecaceae	Adike mara	102
5	<i>Artocarpus heterophyllus</i>	Moraceae	Jack fruit	7
6	<i>Bauhinia purpurea</i>	Fabaceae	Basavana pada	2
7	<i>Carica papaya</i>	Caricaceae	Papaya	10
8	<i>Citrus lemon</i>	Rutaceae	Nimbe gida	1
9	<i>Citrus sinensis</i>	Rutaceae	Sweet orange	1
10	<i>Cocos nucifera</i>	Arecaceae	Coconut tree	3
11	<i>Elaeocarpus tuberculatus</i>	Elaeocarpaceae	Rudrakshi mara	2
12	<i>Eugenia jambolana</i>	Myrtaceae	Nerale mara	5
13	<i>Ficus glomerata</i>	Moraceae	Fig tree	1
14	<i>Grevilia robusta</i>	Proteaceae	Silver oak	3
15	<i>Holoptelea integrifolia</i>	Ulmaceae	Jungle cork tree	2
16	<i>Juniperus virginiana</i>	Cupressaceae	Eastern red cedar	6
17	<i>Mangifera indica</i>	Anacardiaceae	Mavina mara	16
18	<i>Melia azadiracta</i>	Meliaceae	Kahibevu	12
19	<i>Michelia champaka</i>	Magnoliaceae	Sampige mara	14
20	<i>Murraya koenigii</i>	Rutaceae	Curry leaf	1
21	<i>Persea americana</i>	Lauraceae	Butter fruit	3
22	<i>Polyalthia longifolia</i>	Amnonaceae	False ashoka	8
23	<i>Pongamia pinnata</i>	Fabaceae	Honge mara	35
24	<i>Psidium guajava</i>	Myrtaceae	Seebe mara	1
25	<i>Pterocarpus marsupium</i>	Fabaceae	Honne mara	4
26	<i>Pterocarpus santalinus</i>	Fabaceae	Raktha chandana	2
27	<i>Punica granatum</i>	Lythraceae	Daalimbe mara	3
28	<i>Santalum album</i>	Santalaceae	Sandel wood	2
29	<i>Swietenia mahagoni</i>	Meliaceae	Mahagoni tree	4
30	<i>Tabebuia rosea</i>	Bignoniaceae	May flower	2
31	<i>Tamarindus indica</i>	Fabaceae	Hunise mara	5
32	<i>Tectonia grandis</i>	Verbenaceae	Thega,Saguvane	4
33	<i>Terminalia catappa</i>	Combretaceae	Kadu badhami	1


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**AUDITED LIST OF PLANTS IN SRI ADICHUNCHANAGIRI
COLLEGE OF ARTS AND COMMERCE, NAGAMANGALA**

MEDICINAL PLANTS

Sl.No	Name of the Plant	Family	Local name	Total No
1	<i>Achyranthes aspera</i>	Amaranthaceae	Utharani gida	3
2	<i>Aerva lanata</i>	Amaranthaceae	Mountain knot grass	2
3	<i>Aloe vera</i>	Liliaceae	Lolesara	3
4	<i>Alternanthera flavescens</i>	Amaranthaceae	Gonde soppu	Few
5	<i>Alternanthera sessilis</i>	Amaranthaceae	Honagane soppu	Many
6	<i>Amaranthus viridis</i>	Amaranthaceae	Here soppu	3
7	<i>Amorphophallus campanulatus</i>	Araceae	Suvarna gadde	2
8	<i>Basella alba</i>	Basellaceae	Malbar spinach	3
9	<i>Basella rubra</i>	Basellaceae	Red malbar spinach	2
10	<i>Calotropis gigantea</i>	Asclepiadaceae	Yekkada gida	2
11	<i>Catharanthus roseus</i>	Apocyanaceae	Sada pushpa	6
12	<i>Centella asiatica</i>	Apiaceae	Ondelaga	Many
13	<i>Chlorophytum comosum</i>	Liliaceae	Spider plant	Many
14	<i>Clorodendrum philippens</i>	Verbenaceae	Kaadu mallige	20
15	<i>Coccinia indica</i>	Cucurbitaceae	Thonde gida	3
16	<i>Cocculus hirsutus</i>	Menispermaceae	Broom creeper	3
17	<i>Coleus amboinicus</i>	Lamiaceae	Dodda pathre	5
18	<i>Crossandra infundibuliformis</i>	Acanthaceae	Kanakaambara	3
19	<i>Curcuma amada</i>	Zingiberaceae	Mango ginger	2
20	<i>Curcuma longa</i>	Zingiberaceae	Curcuma powder	2
21	<i>Cynodon dactylon</i>	Poaceae	Garike hullu	Many
22	<i>Cyperus rotundus</i>	Cyperaceae	Konnari gida	Few
23	<i>Desmodium rotundifolium</i>	Fabaceae	Dollar leaf	Many
24	<i>Euphorbia tithymaloides</i>	Euphorbiaceae	Milk hedge	Many
25	<i>Euphorbia geniculata</i>	Euphorbiaceae	Bedhi gida	Many
26	<i>Euphorbia hirta</i>	Euphorbiaceae	Asthma plant	Many
27	<i>Hibiscus rosa-sinensis</i>	Malvaceae	Dasavala	8
28	<i>Impatiens balsamina</i>	Balsaminaceae	Karna kundala	Many
29	<i>Indigofera enneaphylla</i>	Fabaceae	Indigo plant	Many
30	<i>Ixora coccinea</i>	Rubiaceae	Ixora	3
31	<i>Kirganelia reticulata</i>	Euphorbiaceae	Inkplant	3
32	<i>Leucas aspera</i>	Lamiaceae	Thumbe	5
33	<i>Mentha spicata</i>	Lamiaceae	Pudina	1
34	<i>Musa paradisiaca</i>	Musaceae	Banana	7
35	<i>Ocimum sanctum</i>	Lamiaceae	Sacred basil	2
36	<i>Piper betel</i>	Piperaceae	Vileyadele	1
37	<i>Plumeria alba</i>	Apocynaceae	Devakanigale	3

38	<i>Sansevieria trifasciata</i>	Asparagaceae	Mother -in-law's tongue	1
39	<i>Sauropus androgynus</i>	Euphorbiaceae	Multivitmine plant	1
40	<i>Solanum nigrum</i>	Solanaceae	Kari ganake	3
41	<i>Solanum toroum</i>	Solanaceae	Gulu sunde	6
42	<i>Strobilanthes nilgiriensis</i>	Acanthaceae	Neeli kurinji	Few
43	<i>Tinospora cordifolia</i>	Menispermaceae	Amrutha balli	5
44	<i>Tradescantia discolor</i>	Commelinaceae	Oyster plant	1 pot
45	<i>Tradescantia fluminensis</i>	Commelinaceae	Spiderwort	Few
46	<i>Tubernaemontana divericata</i>	Apocynaceae	Nandibattalu	1
47	<i>Zingiber officinale</i>	Zingiberaceae	Shunti	2

Ornamental Plants

1	<i>Bryophyllum pinnatum</i>	Crossulaceae	Kalanchoe	4
2	<i>Cosmos bipinnatus</i>	Asteraceae	Cosmos	6
3	<i>Croton variegatum</i>	Euphorbiaceae	Spurge plant	Few
4	<i>Dieffenbachia amoena</i>	Araceae	Dieffenbachia	7
5	<i>Dracaena marginata</i>	Liliaceae	Draceana	5
6	<i>Duranta erecta</i>	Verbenaceae	Duranta	Few
7	<i>Dyopsis lutescens</i>	Arecaceae	Areca palm	9
8	<i>Euphorbia milli</i>	Euphorbiaceae	Milli plant	9
9	<i>Geranium pelargonium</i>	Geraniaceae	Geranium	2
10	<i>Gossypium hirsutum</i>	Malvaceae	Cotton	4
11	<i>Ixora chinensis</i>	Rubiaceae	Ixora	3
12	<i>Lilium wallichianum</i>	Liliaceae	Lilly plant	Many
13	<i>Mussaenda philippica</i>	Rubiaceae	Mussaenda	3
14	<i>Rosa indica</i>	Rosaceae	Rose	10
15	<i>Schefflera arboricola</i>	Araliaceae	Umbrella tree	2
16	<i>Vriesea gigantea</i>	Bromeliaceae	Bromeloids	1

Weeds

1	<i>Bidens pilosa</i>	Asteraceae	Bidens	5
2	<i>Heliotropium marifolium</i>	Boraginaceae	Borage plant	3
3	<i>Lantana camera</i>	Verbenaceae	Lantana	2
4	<i>Parthenium hysterophorus</i>	Asteraceae	Congress weed	2
5	<i>Pilea microphylla</i>	Urticaceae	pilea	Few
6	<i>Tridax procumbens</i>	Asteraceae	Nadu muruka	6
7	<i>Wedelia trilobata</i>	Asteraceae	Wedelia	Many


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