PSC & KVSC GOVERNMENT COLLEGE

Nandyal, Andhra Pradesh-518502

NAAC Accredited with B grade, Affiliated to Rayalaseema University

Green Audit Report

Green Audit Report

Executive Summary:

The Green Audit for PSC&KVSC Government Degree College in Nandyal was conducted to assess the environmental sustainability practices and identify areas for improvement. The audit aimed to evaluate the college's performance in resource conservation, waste management, energy efficiency, and overall environmental responsibility.

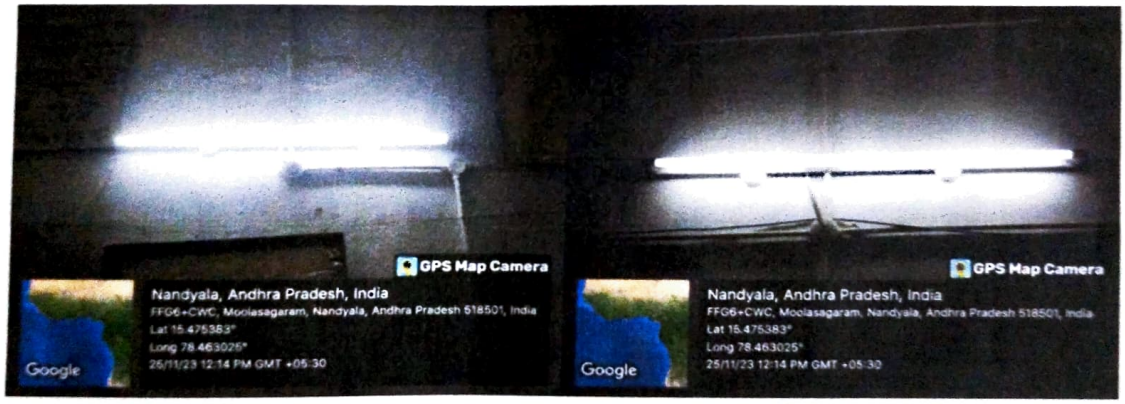
1. Introduction:

PSC&KVSC Government Degree College is committed to providing quality education while minimizing its environmental impact. The Green Audit assessed various aspects of the college's operations, including energy consumption, water usage, waste generation, and transportation.

2. Energy Efficiency:

Highlights:

- The college has made commendable progress in energy efficiency by implementing LED lighting throughout the campus.



- Initiatives like solar panel capacity 20kWp , smart building technologies, and scheduled maintenance contribute to reduced energy consumption.

- ***Recommendations: Continue exploring renewable energy sources, such as solar panels, to further decrease the carbon footprint.***

3. Water Conservation:

Highlights:

- The college has implemented water-saving fixtures in washrooms and has established a rainwater harvesting system.
- Educational campaigns have been conducted to raise awareness about water conservation among students and staff.

- ***Recommendations: Regularly monitor water usage, and explore additional water-saving technologies or practices.***

4. Waste Management:

Highlights:

- The college has a robust waste segregation system in place, promoting recycling and proper disposal of waste.

- Initiatives such as composting organic waste and reducing single-use plastic have been successfully implemented

- ***Recommendations: Explore partnerships with local recycling facilities and conduct periodic waste audits to further optimize waste management processes.***

5. Transportation:

Highlights:

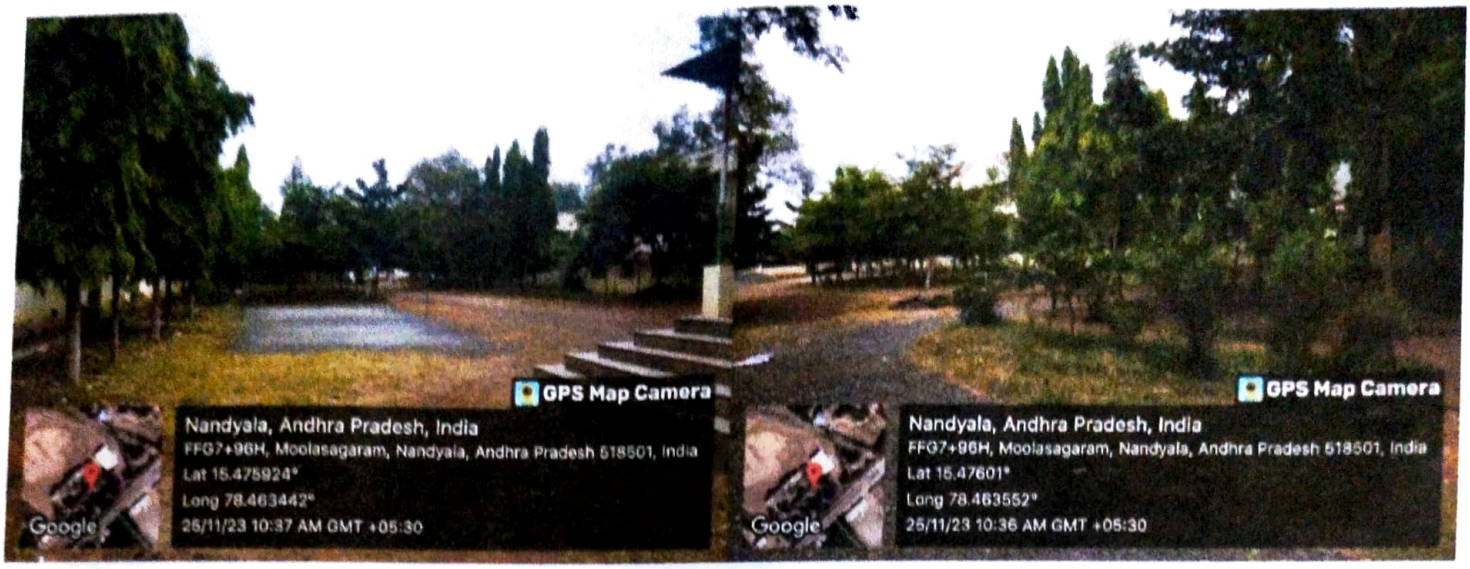
- The college promotes sustainable transportation options, such as cycling and carpooling.
- Educational programs encourage students and staff to choose eco-friendly transportation and public transportation methods.

Recommendations: Continue to support and expand sustainable transportation options, and explore the possibility of introducing electric vehicle charging stations.

6. Green Spaces and Biodiversity:

Highlights:

- The college has maintained green spaces and supports biodiversity through planting native species.



- Initiatives such as tree-planting drives and maintaining green areas contribute to a positive environmental impact.
- Recommendations: Develop a long-term plan for enhancing biodiversity and expanding green spaces within the campus.

7. Environmental Education:

Highlights:

- The college actively incorporates environmental topics into the curriculum and hosts awareness campaigns and workshops.
- Student-led eco-clubs and events contribute to a culture of environmental responsibility.
- Recommendations: Continue to integrate environmental education across disciplines and explore collaborations with environmental organizations for additional resources.

Conclusion:

PSC&KVSC Government Degree College in Nandyal demonstrates a commendable commitment to environmental sustainability. The recommendations provided aim to build upon existing initiatives, ensuring continuous improvement in the college's green practices. The collaboration of students, faculty, and administration will play a crucial role in furthering these efforts and establishing the college as a model for environmental responsibility.

PSC & KVSC GOVERNMENT DEGREE COLLEGE,NANDYAL

List of Medicinal Plants

S.No	Scientific Name	Vernocular Name	Family
1	Achyranthes aspera	Uttareni	Amaranthaceae
2	Adathoda vasica	Addasaram	Acanthaceae
3	Aerva lanata	Pindikura	Amaranthaceae
4	Aloe vera	Klabanda	Agavaceae
5	Alternathera sessilis	Ponna gattikura	Amaranthaceae
6	Amaranthus spinosus	Mullathotakura	Amaranthaceae
7	Andrographis paniculata	Nelavemu	Acanthaceae
8	Asaparagus recemosus	Shanthavari	Liliaceae
9	Boerhavia diffusa	Punarnava	Nyctaginaceae
10	Bougainvellea spectabills	Kagitapuvulu	Nyctagiaceae
11	Canna indica	Mettathamara	Cannaceae
12	Cassia tora	Tagarisa	Ceasolpinaceae
13	Cantharathus roseus	Billaganneru	Apocyanaceae
14	Caralluma attenuta	Kundetikommu	Asclepiadaceae
15	Centella asiatica	Saraswathiaku	Apiaceae
16	Cissus quadrangularis	Nalleru	Vitaceae
17	Cocos nucifera	Kobbari	Arecaceae
18	Costus speciosus	Bongach chikadumpa	Costaceae
19	Crinum asiaticum	Chengavala	Amarylidaceae
20	Crotalaris sp		Fabaceae
21	Crotan balapandiana	Galivana chettu	Euphorbiaceae
22	Datura metal	Ummetha	Solanaceae
23	Decalepsis hamiltonii	Maredugaddalu	Periplocaceae
24	Elattaria cardamomum	Yalakulu	Zinziberaceae
25	Euphorbia hirta	Reddivarisanupalu	Euphorbieceae
26	Euphorbia madraspetensis		Euphorbiaceae
27	Euphorbia tirucalli	Manchi jamudu	Euphorbiaceae
28	Gymnema sylvestre	Podapatri	Asclapidaceae
29	Jatropa curcus	Adavinepalam	Euphorbiaceae
30	Limonia acidesima	Velaga	Rutaceae
31	Murraya koenigii	Karivepaku	Rutaceae
32	Oscimum tenuflorum	Tulasi	Labiateae
33	Oxalis corniculata		Oxalidaceae
34	Phyllanthus emblica	Pedda usiri	Euphorbiaceae
35	Phyllanthus niruri	Nelausiri	Euphorbiaceae
36	Piper betel	Tamalapaku	Piperaceae
37	Plumbago zylanicum	Errachitramulam	Plumbaginaceae
38	Syzizium cuminum	Neredu	Myrtaceae
39	Tinosporam cardifolia	Tippateega	Tiliaceae
40	Terminalia bellirica	thani	Combritaceae
41	Terminalia catappa	Badam	Combritaceae
42	Tylophora indica	Mekameyaniaku	Asclepiadaceae
43	Withania somnifera	Ashvagandha	Solanaceae

PSC & KVSC GOVERNMENT DEGREE COLLEGE,NANDYAL

LIST OF PLANTS

SL/NO	SCIENTIFIC NAME	VERNOCULAR NAME	FAMILY
1	*Abutilon indicum*	thuthurabenda	malvaceae
2	*Acacia auriculiformis*	seemathumma	caesalpiniaceae
3	*Acalypha indica*	muripinna	euphorpiacia
4	*Acalypha wilkesiana*	peru poraka	euphorpiacia
5	*Albizia Lebbeck*	diresena	momosaceae
6	*Allmanda cathartica*	manjal patti	apocyamaceace
7	*Annona aquamosa*	sithaphal	anonaceae
8	*Atigonon leptopus*	batanipulu	polygoneceae
9	*Azadirecta indica*	vepa	meliaceae
10	*Brleeria cristata*	december puvvulu	acantheaceae
11	*Bryophyllum*	ranapala	crassolaceae
12	*calotropis gingantia*	jilledu	asclepiadaceae
13	*Casurina equisitifolia*	sarugudu	causurinaceae
14	*Cascadela thevitia*	paccha ganneru	apocyamaceace
15	*Couroupita guianensis*	nagalingam	caustaceae
16	*Cycus revoluta*	cycus	cycadeceae
17	*Delbergia sissoo*	sesham	fabeceae
18	*Delonix rugia*	thurai	caesalpiniaceae
19	*Bamboosa bamboosa*	veduru	poaceae
20	*Duranta plumieri*		verbineceae
21	*Eucalyptus tereticornis*	thylam chettu	myrtecea
22	*Ficus religiosa*	ravi	moraceae
23	*Jatrophacurcus*	adavinepalam	euphorbiaceae
24	*Juniperus sp*	christamus tree	cupressaceae
25	*Indigofera tinctoria*	neeli mandu	fabaceae
26	*Ixora coccina*	nuru varahalu	rubiacaeae
27	*kalacha serrata*	kalanchi	crassolaceae
28	*mangifera indica*	mamidi	anacardiaceae
29	*manilkara hexandra*	pala	sapotaceae
30	*Mirabilis jalapa*	4 clock plant	nyctaginaceae
31	*Moringa olifera*	munuga	morningaceae
32	*Nerium odorum*	gannera	apocynaceae
33	*Leucaena leucophloea*	subabul	mimosidaceae
34	*Parthenium hysterophorus*	vayaribama	asteraceae
35	*Passiflora foetida*	gajuteega	passifloreceae
36	*Pedilanthus*		euphorbiaceae
37	*Pelothorem pterocarpum*	kondachinta	ceasalpiniaceae
38	*Plumeria rubra*	deva ganneru	apocyaceae
39	*Polyalthia longifolia*	naramamidi	annonaceae
40	*Pongamia pinnata*	kanuga	fabaceae
41	*Prosopis cinereria*	jammi	mimosaceae
42	*Pteris vittata*	fern	pteridophyta
43	*Punica granatum*	danimma	puniceae
44	*Quisqualis indica*	ranguna malli	combritaceae
45	*Rhynochosa minima*	adava pesara	fabaceae
46	*Rhouo dicolour*	rheo	commelinaceae
47	*Rosa indica*	gulabi	rosece3ae
48	*Reullia patula*		aceanthanceae
49	*Sapindusb emarginatus*	kunkudu	sapindaceae
50	*Sansevieria roxburghiana*	saganara	agavaceae
51	*Sntalum album*	gandhapulu chekka	santalaceae

52	*Sida acuta*	chilaporaka	malvaceae
53	*Tabernaaemontana divericata*	nandivardanam,	apocyanaceae
54	*Tecoma stans*		bignoniaceae
55	*Tectoma grandis*	teak	Verbinaceae
56	*Tridax procumbens*	gaddichamanthi	Asteraceae
57	*Thuja orientalis*	thuja	Cuprressaceae
58	*Trianthema decandra*	galejera	Aizoaceae
59	*Vanda tessallanta*	vajanika	Orchidaceae
60	*Vernonia cinarea*	garitakamma	Asteraceae