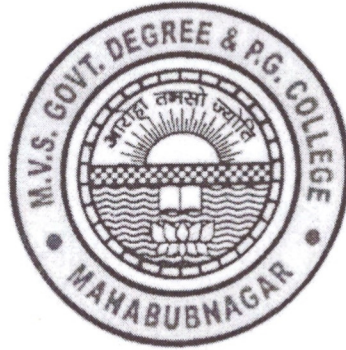


**MVS Government Arts & Science College
(A), Mahabubnagar.**

**Green Audit Report
2020-21**







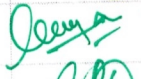

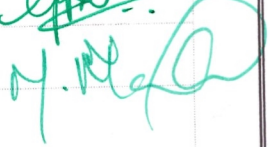
Submitted to
The Commissioner of Collegiate Education,
Nampally, Hyderabad.

**MVS Government Arts & Science College (A),
Mahabubnagar.**

Certificate

Certified that the Green Audit is conducted in MVS Government Arts & Science College (A), Mahabubnagar for the year 2020-21 vide the proceedings of CCE, Hyderabad Procs. Rc. No. CCE-AC/QLTY/NAAC/1/2021-ACADEMIC CELL and submitted report to the Commissioner of Collegiate Education Hyderabad.

Committee

Sl.No.	Name Sri/Smt.		Signature
1.	Lt Dr M Vijay Kumar, Principal	Chairman	
2.	G Satyanarayana Goud, Assistant Professor of Chemistry	Vice-Chairman	
3.	Dr Padmavathi, Principal, NTR GDC (W), Mahabubnagar	Special Invitee	
4.	L Ramesh Kumar, Assistant Professor of Botany	Coordinator	
5.	V Venu, Assistant Professor of Zoology	Member	
6.	Dr Paul Devadanam, Assistant Professor of Physics	Member	
7.	M Mallesh, Assistant Professor of Chemistry	Member	
8.		Invitee Member	
9.		Invitee Member	

**COMMISSIONERATE OF COLLEGIATE EDUCATION,
TELANGANA: HYDERABAD
PROFORMA FOR GREEN AUDIT - 2020-21**

College Profile

Name of the College: **MVS Government Arts and Science College (A)**

Address: **Christianpally, Mahabubnagar.**

Contact Info: **9441717321 (Principal)**

Campus Area: **37.6 Acres**

Built up Area: **10 Acres approx.**

Is the building having ventilators for natural air flow in all rooms: Yes/No

Yes

The student and faculty strength of the college:

Strength	Male	Female	Total
No of students	2260	1424	3684
No of Teaching Staff	79	24	103
No of Non-Teaching staff	13	01	14

Physical Structure

Available land of the college: **37.6 Acres**

The built-up area of the college: **5271 Square Meters.**

No. of Class Rooms	36
No. of Laboratories	26
No. of Conference halls	04
Library Halls	04
Auditorium	00
Canteen	01
Any other (please specify)	

Objectives of Green Audit:

The purpose of the green audit is to identify, quantify, describe and prioritize framework of Environmental Sustainability in the College. The main objectives of carrying out Green Audit are

1. To estimate the quantity of water usage within the College
2. To monitor the energy consumption patter of the college
3. To quantify the liquid and solid waste generation of the college
4. To assess the green campus management plans
5. To assess the carbon foot print of the college
6. To suggest sustainable energy usage and water conservation practices
7. To identify the gap areas and suggest recommendations to improve the Green Campus status

Annual Plan

Sl. No.	Month/Week	Activity	Whether activity conducted or not
1	July	Formation of the Committee	
2	August	Committee Meeting	
3	September	Auditing for Water Management	
4	October	Energy Audit in the Campus	
5	November	Auditing for Waste Management	
6	December	Green Audit in the Campus	
7	January	Auditing for Carbon Foot Print	
8	February	Compilation of data collected	
9	March	Committee meeting for analysis of the collected data	

Internal Assessment Team

Sl. No	Name Sri/Smt	
1.	<i>Lt. Dr. M. Vijay Kumar, Principal</i>	<i>Chairman</i>
2.	<i>G Satyanarayana</i>	<i>Vice-chairman</i>
3.	<i>L. Ramesh Kumar, Assistant Professor of Botany</i>	<i>Coordinator</i>
4.	<i>V Venu, Assistant Professor of Zoology</i>	<i>Member</i>
5.	<i>Smt Vidya Rani, Assistant Professor of Physics</i>	<i>Member</i>
6.	<i>M Mallesh, Assistant Professor of Chemistry</i>	<i>Member</i>

Methodology:

The following methodology adopted to conduct the Green Audit in the college

1. **Review of the documents and records:** Documents and records such as electricity bills and water charge remittance bills, laboratory registers, purchase register and stock registers were examined and data was collected.
2. **Interviews:** Interviews were conducted with the departmental faculties, office and students
3. **Site Inspection:** The Audit Team conducted physical observation in the college campus to inspect the green practices.

Audit Stage:

Green Auditing began with the assessment of the green cover of the Institution followed by waste management practices and energy conservation strategies etc. The team monitored different facilities at the college, determined different types of appliances and utilities (such as how often an appliance is used) and their impacts. The staff and learners were interviewed to get details of usage, frequency or general characters of certain appliances.

Data collection was done in the sectors such as Energy, Waste, Greening, Carbon footprint and water use, college records and documents were verified several times to clarify the data received through survey and discussions

Water management 2020-21

Sl no	Parameters	Response	Remarks
1.	Source of water	Borewells	
2.	No of Wells	4	
3.	No of motors used	3	
4.	Horse power – Motor	5HP-2 1HP-1	
5.	Depth of well –Total	250-300 ft	
6.	Water level	80 ft	
7.	Number of water tanks	09	
8.	Capacity of tank	63000 L-1 2000 L-2 1000L -6	
9.	Quantity of water pumped every day	42000 L	
10.	Any water wastage/Reasons	No	
11.	Water usage for gardening/day	6000 L	
12.	Waste water sources	Laboratories, canteen, Kitchen, RO Plant, Sanitation water	
13.	Use of waste water	No	
14.	Fate of waste water from labs	Linked to the drainage pipes/canals	
15.	Whether waste water from labs mixed with ground water	No	
16.	Any treatment for lab water	No	
17.	Whether any green chemistry method practiced in labs	No	
18.	No of water coolers	Nil	
19.	Rain water harvest available?	yes	
20.	No of units and amount of water harvested	2 Units, 10,000 litres each	
21.	Any leaky taps	12 taps are leaky,	
22.	Amount of water lost per day	120 litres of water is lost per day.	
23.	Any water management plan used?	Water management audit conducted	
24.	Any water saving techniques followed?	Timely maintenance of leakage water taps. Minimal flow taps	
25.	Are there any signs reminding peoples to turn off the water?	Yes	

Results of water quality 2020-21

Parameters	Borewell Water		Municipal Water	Standard Value (BIS)
	Sample I	Sample II		
Dissolved Oxygen				6-8
Acidity (mg/l)				200
Alkalinity (mg/l)	452	304	76	200
Chloride (mg/l)	Nil	Nil	0.10	250
Hardness (Total)	712	428	112	200
Conductivity	1994	1058	264	<250 μ s/cm
pH	7.68	7.75	7.74	6.5-8.5
Total dissolved solids (ppm)	1296	687	171	500 ppm
Salinity	112.6	86.49	32.18	<1mg/l
Total coliform	00	00	00	0
Faecal coliform	00	00	00	0



Water Quality analysis (Biological) report of college – II

S. No	Parameter/ WHO permissible level	Zooplankton (No of Samples/Sites)	Methodology
1	Protozoans (Ciliates)	Amoeba, Paramecium, Vorticella, Peranema, Euglena, Volvox, Actinosphaerium, Arcella, Diffugia, Entamoeba, Chlamydomonas, Chilomonas	General observation by using 10X compound microscope
2	Rotifers	Brachionus	
3	Ostracods	Gigantocypris	
4	Insect Larvae	Mosquito larvae	
5	Water Fleas	Daphnia	
6	Bivalves	Not found	
7	Snails	Lymnaea	
8	Mussels	Not found	
9	Any other (Specify)		



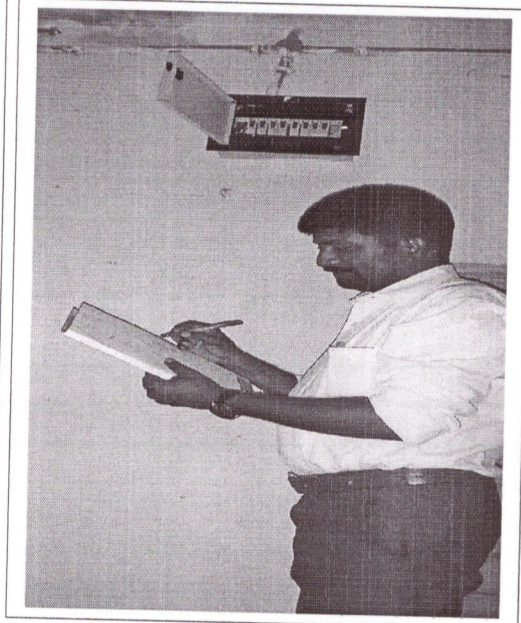
ENERGY AUDIT 2020-21

SL No	Electrical appliances / Instruments	Number	Power(W)	Total power (W)	kW	Operation /Day Hours/ Day	kW/hr	No.of days in month	Total consumption per month
1	CFL	-	-	-	-	-	-	-	-
2	TUBE	08	30	240	0.24	6	1.44	25	36
3	LED BULB	2	20	40	0.04	6	0.24	25	6
4	LED TUBE	232	20	4640	4.64	6	27.84	25	696
5	PROJECTOR	17	100	1700	1.7	6	10.2	25	255
6	SPEAKER	02	100	200	0.2	6	1.2	25	30
7	FAN	242	60	14520	14.52	10	145.2	25	3630
8	COMPUTER	233	80	18640	18.64	6	111.84	25	2796
9	LAPTOPS	08	60	480	0.48	6	2.88	25	72
10	PRINTERS	16	250	4000	4	6	24	25	600
11	PHOTOSTAT MACHINE	05	100	500	0.5	6	3.0	25	75
12	SCANNER	02	50	100	0.1	6	0.6	25	15
13	UPS	02	1000	2000	2	6	12	25	300
14	A/C	01	1700	1700	1.7	6	10.2	25	255
15	REFRIGERATOR	04	1200	4800	4.8	6	28.8	25	720
16	Water pumping MOTORS	02(5hp) 01 (2hp)	3730 1492	7460 1492	7.46 1.49	4	29.84 5.968	25	746 149
17	CENTRIFUGE	02	850	1700	1.7	6	10.2	25	255
18	EXHAUST FAN	02	80	1600	1.6	6	9.6	25	240
19	DISTILLATION UNIT	02	1000	2000	2	4	8	25	200
20	SANITARY NAPKIN INCINERATOR	01	1200	1200	1.2	6	7.2	25	180
TOTAL Consumption/ per month							450.25 kW/hr		11256 kW/month

G. Paul Dandin

Department of Physics
M.V.S. GOVT. ARTS & SCIENCE COLLEGE (A)
Mahaboobnagar.

Energy Audit Team onsite inspection



Waste management 2020-21

Approximate quantity of waste generated per day (in kg)

Campus				
Approx.	Biodegradable	Non-Biodegradable	Hazardous	Others
<1 Kg		<1 Kg	Nil	
2-10 Kg	1 to 2 Kg			
>10 Kg				

Laboratories				
Approx.	Biodegradable	Non-Biodegradable	Hazardous	Others
<1 Kg	<1 Kg		Nil	
2-10 Kg				
>10 Kg				

Canteen/Kitchen				
Approx.	Biodegradable	Non-Biodegradable	Hazardous	Others
<1 Kg	<1 Kg		Nil	
2-10 Kg				
>10 Kg				

Waste generated in the college?

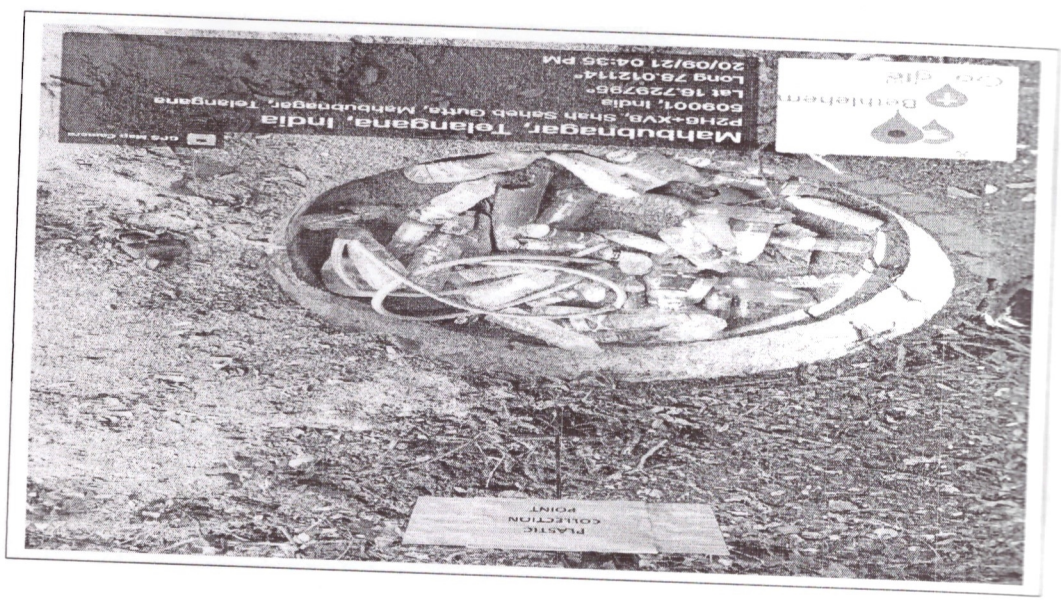
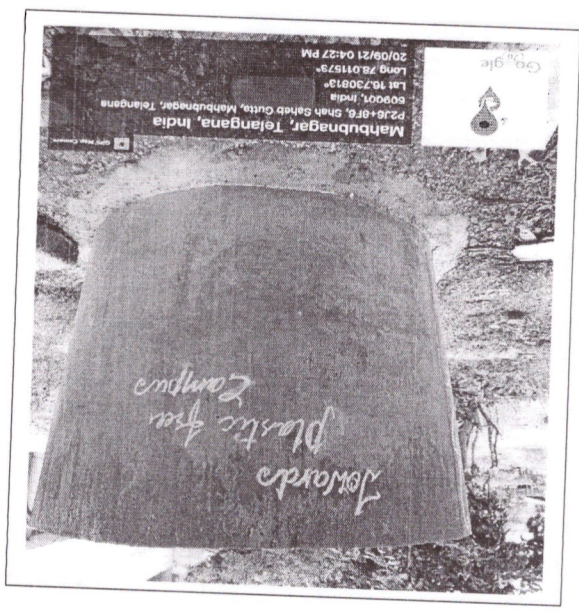
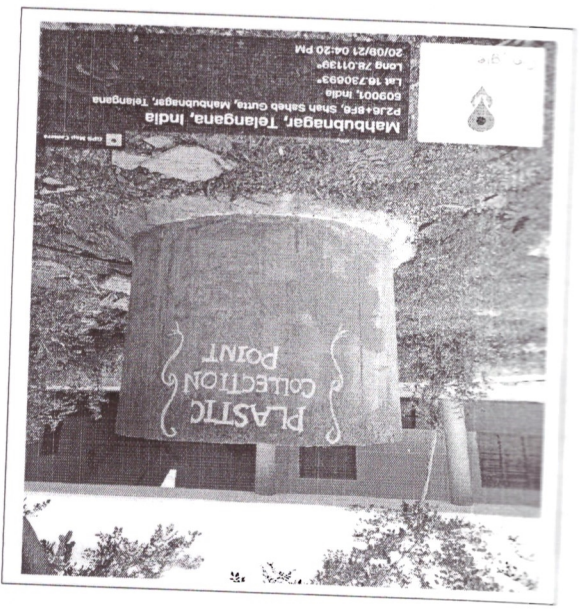
E-waste		
Hazardous waste	Nil	
Solid waste	Plant debris and canteen waste	
Dry leaves	Dumped in compost pits	
Canteen waste	Dumped in compost pits	
Liquid waste	Linked to drainage pipes	
Glass	Nil	
Unused Equipment		
Napkins	Incinerator	
Others (specify)		
Do you use recycled paper in college?	No	
Any waste management methods used?	Organic solid waste is turned into compost	

How the waste generated in the college is managed?

Composting/Vermicomposting	Yes, Composting of organic debris	Making use of the compost for the plants in the campus
Recycling	Yes, Newspapers and old practical records are disposed for recycling	
Reusing		
Other ways		

Final Observation:

1. Cleaning the campus on daily basis
2. Collected wastes from garden are dumped into compost pits
3. Placing different coloured dustbins in order to collect wet and dry wastes separately



**MVS Government Art & Science College (A), Mahabubnagar,
Department of Botany,
Green Audit 2019-20.**

Location: A Block (Front of canteen)

S.NO	Scientific name	Common name	No. of plants	Habit	Remark
1	<i>Tectona grandis</i>	Bangkok-teak	155	Tree	
2	<i>Sida acuta</i>	Wire weed	389	Shrub	
3	<i>Impatiens parviflora</i>	Balsam	12	Shrub	
4	<i>Robinia pseudoacacia</i>	False acacia	10	Tree	
5	<i>Lantana camara</i>	Common lantana	13	Shrub	
6	<i>Bauhinia purpurea</i>	Orchid tree	9	Tree	
7	<i>Murraya koenigii</i>	Curry leaves	1	Tree	
8	<i>Achyranthes aspera</i>	Burweed	10	Bushes	
9	<i>Prosopis cineraria</i>	Jammi	5	Tree	
10	<i>Triumfetta semitriloba</i>	Burweed	5	Shrub	
11	<i>Eucalyptus globulus</i>	Nilgiri	22	Tree	
12	<i>Caesalpinia decapetala</i>	Thorny Poinciana	361	Tree	
13	<i>Azadirachta indica</i>	Neem	19	Tree	
14	<i>Pongamia pinnata</i>	Kanuga	12	Tree	
15	<i>Senna siamaea</i>	Kassod wood	16	Tree	
16	<i>Ziziphus jujube</i>	Regi	21	Shrub	
17			1060		

Location: C block (front of auditorium)

S.NO	Scientific name	Common name	No. of plants	Habit	Remark
1	<i>Azadirachta indica</i>	Neem	13	Tree	
2	<i>Punica granatum</i>	Pomegranate	10	Shrub	
3	<i>Pongamia pinnata</i>	Kanuga	40	Tree	
4	<i>Caesalpinia pulcherrima</i>	Paradise flower	26	Tree	
5	<i>Manilkara zapota</i>	Sapota	2	Tree	
6	<i>Senna siamaea</i>	Kassod wood	40	Tree	
7	<i>Bauhinia purpurea</i>	Orchid tree	5	Tree	
8	<i>Pterocarpus</i>	Round leaf teak	39	Tree	
9	<i>Tectona grandis</i>	Bangkok-teak	2	Tree	
10	<i>Nerium oleander</i>	Ganneru	1	Shrub	
11	<i>Annona squamosa</i>	Custard apple	6	Shrub	
12	<i>Duranta erecta</i>	Pigeon berry	196	Bushes	
13	<i>Colutea arborescens</i>	Thangedu	6	Shrub	
14	<i>Ziziphus jujube</i>	Regi	2	Shrub	
			388		

Location: B BLOCK (Front of parking area)

S.NO	Scientific name	Common name	No. of plants	Habit	Remark
1	<i>Peltophorum pterocarpum</i>	Copper pod	9	Tree	
2	<i>Senna siamaea</i>	Kassod wood	91	Tree	
3	<i>Gliricidia sepium</i>	Quick stick	134	Tree	
4	<i>Ceiba pentandra</i>	Semul	20	Tree	
5	<i>Terminalia catappa</i>	Indian almond	3	Tree	
6	<i>Conocarpus crack</i>	Bottom wood	11	Tree	
7	<i>Leucaena leucocephala</i>	Horse tamarinda	51	Tree	
8	<i>Tectona grandis</i>	Teak	234	Tree	
9	<i>Ficus religiosa</i>	Peepal	1	Tree	
10	<i>Butea monosperma</i>	Fire of forest	1	Tree	
11	<i>Tamarindus indica</i>	Tamarind	2	Tree	
12	<i>Azadirachta indica</i>	Neem	20	Tree	
13	<i>Annona squamosa</i>	Custard apple	3	Shrub	
14	<i>Bauhinia purpurea</i>	Butterfly tree	4	Tree	
15	<i>Dalbergia sissoo</i>	Indian rose wood	7	Tree	
16	<i>Prosopis juliflora</i>	Kabul acacia	4	Tree	
17	<i>Pongamia pinnate</i>	Kanuga	2	Tree	
18	<i>Albizia lebbek</i>	Women tongue tree	2	Tree	
			599		

Location: MVS Govt jr. college campus

S.NO	Scientific name	Common name	No. of plants	Habit	Remark
1	<i>Peltophorum pterocarpum</i>	Copper pod	225	Tree	
2	<i>Senna siamaea</i>	Kassod wood	23	Tree	
3	<i>Tectona grandis</i>	Teak	846	Tree	
4	<i>Leucaena leucocephala</i>	Horse tamarinda	7	Tree	
5	<i>Phyllanthus emblica</i>	Indian gooseberry	3	Tree	
6	<i>Acacia</i>	Babool	7	Tree	
7	<i>Syzygium cumini</i>	jamun	18	Tree	
8	<i>Ficus religiosa</i>	Peepal	10	Tree	
9	<i>Azadirachta indica</i>	Neem	76	Tree	
10	<i>Tamarindus indica</i>	Tamarind	3	Tree	
11	<i>Bauhinia purpurea</i>	Butterfly tree	2	Tree	
12	<i>Dalbergia sissoo</i>	Indian rose wood	32	Shrub	
13	<i>Pongamia pinnate</i>	Kanuga	120	Tree	
			1372		



In-Charge Department of Botany
MVS Govt. Degree College (A)
Mahabubnagar.

Total: Trees – 2713
Shrubs – 500
Bushes - 206
3419

Plants in Botanical Garden

Sl.No.	Scientific name	Common Name
1	<i>Dypsis lutescens</i>	Areca palm
2	<i>Cordyline fruiticosa</i>	Ti plant
3	<i>Codiaeum variegatum</i>	Garden croton
4	<i>Bauhinia purpurea</i>	Orchid tree
5	<i>Tradescantia spathacea</i>	Moses in the cradle
6	<i>Thuja occidentalis</i>	White cedar
7	<i>Ficus benjamina</i>	Weeping fig
8	<i>Chlorophytum comosum</i>	Spider plant
9	<i>Dracaena trifasciata</i>	Snake plant
10	<i>Adenium obesum</i>	Desert Rose
11	<i>Piper beetle</i>	Beetle leaf
12	<i>Ixora coccinea</i>	Jungle geranium
13	<i>Areca catechu</i>	Beetle nut
14	<i>Araucaria heterophylla</i>	Christmas tree
15	<i>Aegle marmelos</i>	Bilva
16	<i>Phyllanthus emblica</i>	Amla
17	<i>Vitex negundo</i>	Vavili
18	<i>Cycas revoluta</i>	Cycas
19	<i>Musa paradisiaca</i>	Banana
20	<i>Justicia adhatoda</i>	Addasaram
21	<i>Polyalthia longifolia</i>	Naramamidi
22	<i>Cocos nucifera</i>	Coconut
23	<i>Chamaerops humilis</i>	European fan palm
24	<i>Mangifera indica</i>	Mango
25	<i>Agave americana</i>	Kithanaara
26	<i>Yucca gloriosa</i>	Spanish dagger
27	<i>Euphorbia milli</i>	Crown of thorns
28	<i>Pandanus</i>	Mogili
29	<i>Caryota urens</i>	Fish tail palm
30	<i>Callistemon</i>	Bottle brush
31	<i>Leucophyllum frutescens</i>	Texas sage
32	<i>Duranta</i>	Sky flower
33	<i>Hibiscus rosa sinensis</i>	Mandaram
34	<i>Punica granatum</i>	Pomegranate
35	<i>Ficus lyrate</i>	Fiddle leaf fig
36	<i>Artabotrys hexapetalus</i>	Manoranjitham
37	<i>Psidium gujava</i>	Jama
38	<i>Coffea arabica</i>	Coffee

List of plants in Medicinal Garden

Sl.No.	Scientific name	Common Name	Habit
1	<i>Moringa olifera</i>	Drumstick	Tree
2	<i>Andrographis paniculata</i>	Kalmegh	Herb
3	<i>Lawsonia inermis</i>	Henna	Shrub
4	<i>Withania somnifera</i>	Ashwagandha	Herb
5	<i>Crotalaria retusa</i>	Rattle weed	Herb
6	<i>Commiphora whitti</i>	Guggulu	Shrub
7	<i>Bryophyllum</i>	Pashana bheda	Herb
8	<i>Aegle marmelos</i>	Stone apple	Tree
9	<i>Vitex negundo</i>	Chinese chaste tree	Tree
10	<i>Centella asiatica</i>	Indian pennywort	Herb
11	<i>Ocimum sanctum</i>	Holy basil	Herb
12	<i>Morus alba</i>	Mulberry	Tree
13	<i>Gymnema sylvestre</i>	Gurmar	Woody vine
14	<i>Aloe vera</i>	Ghrit Kumari	Succulent
15	<i>Argyria nervosa</i>	Elephant Climber	Climber
16	<i>Catharanthus roseus</i>	Periwinkle	Herb
17	<i>Hibiscus rosa sinensis</i>	China rose	Shrub
18	<i>Asparagus</i>	Sparrow grass	Climber
19	<i>Cimnopogon citratus</i>	Lemon grass	Herb
20	<i>Alpinia galanga</i>	Siamese ginger	Herb
21	<i>Tinospora cordifolia</i>	Guduchi	Climber
22	<i>Guilandina bonduc</i>	Grey nicker	Shrub
23	<i>Sauropus androgynus</i>	Multivitamin Plant	Shrub
24	<i>Sarcostemma acidum</i>	Moon creeper, Soma	Herb
25	<i>Abrus precatorius</i>	Crabs eye, Rosary pea	Climber
26	<i>Cissus quadrangularis</i>	Veldt grape	Creeper
27	<i>Justicia adhatoda</i>	Malabar nut	Shrub
28	<i>Clitoria ternatea</i>	Butterfly pea	Climber



Herbal Garden



Students participating in Green Audit



Auditing For Carbon Foot Print

Total Number of vehicles used by the stakeholders of the college - 376

No. of cycles used - 03

Petrol used by two wheelers/day (370 Persons 100 meters within the campus) –3 Litres

Fuel used by four wheelers - No. of cars used – 06, average distance travelled – 0.6 Km (with in the campus) Quantity of fuel used – 1 Litres, Amount used per day – Rs. 102

No common transport within the campus

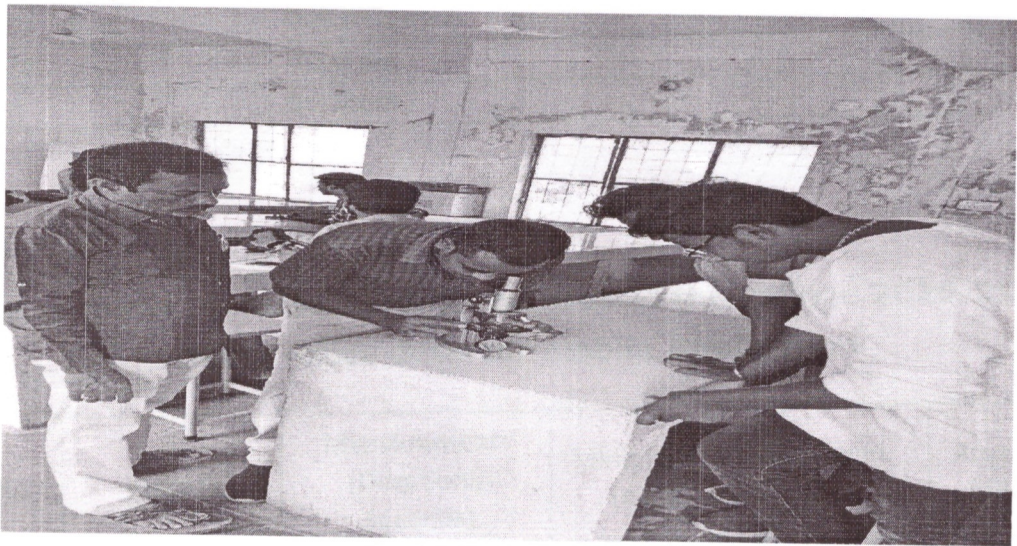
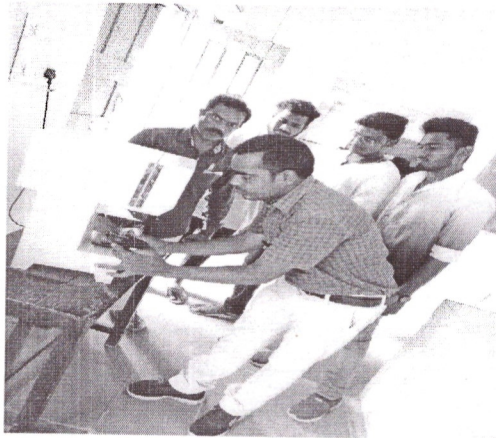
Total fossil fuel use is 4L / day

Total fuel cost per day for transportation = Rs. 420/- (4 L x Rs 105)

Cost of stakeholder transportation per month (Rs.420x22 days) - Rs.9240

Faunal diversity in college campus 2020-21

Faunal group	Scientificname	Seasonality
Spiders	1. Araneae	
Moths & butterflies	1. Peppered Moth 2. Common clothes Moth 3. Domestic Silk Moth 4. Codling Moth 5. Cabbage White Butter fly 6. Danaus genutia 7. Danaus plexippus 8. Euploea core 9. Catopsilia pomona	All Seasons
Other insects: (Dragon Flies, Bees, Wasps, Bugs, and Beetles etc..)	Millipedes, Centipedes, Termites, Black Ants, Red Ants, Silver Fish, Butterflies, Wasps Mosquitoes, Houseflies, Dragonflies, Cockroaches, Lady Bugs, Beetles, Crickets etc.	All Seasons
Annelids	1. Pheritima posthuma	Winter
Other Arthropods	1. Mesobuthus (Scorpion) 2. Buthus buthus	All Seasons
Amphibians	1. Rana tigrine 2. Polypedates maculates	Winter
Reptiles	1. Varanus / Monitor Lizard 2. Ptyas mucosa/ Rat snake 3. Naja naja / Cobra 4. Checkered keelback 5. Oxybelis fulgides / Green snake 6. Gecko / Wall Lizard 7. Calotes / Garden Lizard 8. Chameleon /	All Seasons
Birds	1. Corvus corvus / Crow 2. Passer domesticus / Sparrow 3. Heron / Crane 4. Columba livia / Pigeon	All Seasons
Mammals	1. Ratus ratus / Rat 2. Funambulus / Squirrel 3. Chiroptera / Bat 4. Sus domesticus / Pig	All Seasons
Any other (specify)		



Air quality Determination:2020-21
Air Quality Index (parameters studied/recorded/ Seasonal):

NO ₂	14.03µg/m ³
NO	-----
O ₃	41.51 µg/m ³
PM2.5	16.4 µg/m ³
PM10	76.2 µg/m ³
CO	1220,0 µg/m ³
Humidity	69.0%
Barometric Pressure	1007.0hPa
Wind Speed	12.39m/s
Wind Direction	306.0 degrees
Sun Rise	06;07am
Sun Set	06;14pm

Measurements of Noise level in and around the college 2020-21
Using Noice detector mobile Application

S.No	place (S)	Measurements (Durationin seconds)	Minimum (dBA)	Maximum (dBA)	Average (dBA)
1	Library	20s	40dBA	60dBA	50dBA
2	Canteen	20s	60dBA	70dBA	65dBA
3	Play ground	20s	60dBA	80dBA	70dBA
4	Auditorium	20s	60dBA	70dBA	65dBA
5	Class Room	20s	55dBA	65dBA	60dBA
6	Corridors	20s	45dBA	55dBA	40dBA

P. Paul Arundhan
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Arundhan

GRADING FOR ENVIRONMENTAL AUDIT REPORT - 2020-21

S.No	COMPONENTS FOR ASSESSMENT	Maximum MARKS	Marks Awarded	GRADE
1	Energy audit	20	17	Awarded with Grade "A"
2	Waste audit	15	12	
3	Water audit	15	13	
4	Landscape or Environment audit	15	13	
5	Carbon footprint & Oxygen emission audit	15	13	
6	Green activities (conduction of seminars/conferences/workshops/ Student competitions/awareness programmes/observation of environmental related days etc.	10	08	
7	Student clubs (Environmental club/Green club/Nature club/Biodiversity club/ ECO Club/Friends and Fauna Club/Science club etc.) activity annual report	10	08	
	Total	100	84	


PRINCIPAL
N.T.R.G.D.C.(W)
Mahabubnagar.


PRINCIPAL
M.V.S. Govt. Degree College
Mahabubnagar.

Suggestions and Recommendations

Suggestions:

1. Display of environmental awareness sign boards such as Save water, save electricity, no wastage of food /water, switch off lights and fans when not in use, plastic free campus etc.
2. Giving priority to environmental clubs in conducting environmental conscious programmes.
3. Conduct seminars, student competitions, awareness programmes on environmental related issues.
4. Display of various slogans and pictures to protect environment

Recommendations

Water Management:

1. Increasing the number of water harvesting pits and their timely maintenance
2. Setting up of waste water recycling unit

Energy Management:

1. Installation of Solar Panels to generate electricity
2. Replacement of non-LED bulbs /tubes with LED bulbs /tubes
3. Replacing LCD computer monitors with LED monitors
4. Replacement of old fans (20 years old) with branded fans to minimize the power consumption.

Waste Management:

1. Installation of different coloured dust bins at various locations in the college for collection of waste.
2. Digging of Vermi Compost pits to prepare organic compost with Canteen & Garden Waste.

Green Management:

1. Growing vegetable Garden in the college
2. Increase in number and variety of Medicinal plants in Herbal Garden
3. Plantation of fruit yielding plants
4. Requirement of two full time gardeners to proper watering and maintenance of the green cover of the campus

