PROCEEDINGS OF THE COMMISSIONER OF COLLEGIATE EDUCATION: TELANGANA STATE, HYDERABAD

Present: Sri. Navin Mittal, IAS

Sub: CCETS – Quality Initiatives of GDCs –Green Audit for all GDCS – Constitution of College level and State Level Committees – Reg.

As part of the quality initiatives of Government Degree Colleges and to facilitate the GDCs to secure a better grade in NAAC accreditation, it is decided to conduct Green Audit for all Government Degree Colleges in the state. Green audit includes, water audit, energy audit, environmental audit, e-waste audit, trees and plants audit, carbon foot print audit etc. A proactive and enlightened Green Audit helps to keep the environment on the campus, pollution free, neat & clean.

The Green Audit committee should audit the following various categories of audit within the college campuses.

a) ***Water Audit:*** Water harvesting and waste water management and disposal are also part of green audit. The committee should investigate the relevant methods that can be adopted and implemented to balance the demand and supply of audit. The committee also checks waste water disposable practices of the colleges.

b) ***Energy Audit***: It deals with the energy consumption and methods to reduce its consumption and related pollution.

c) ***Trees & Plants Audit***: It deals with auditing of plants including medicinal plants, trees and other green initiatives of the colleges.

d) ***Environmental Audit:*** It analyses the air quality, noise level and programs undertaken by the institution to reduce the pollution.

e) **e-Waste Audit:** It deals with electronic related waste disposables and hazardous wastes and recycling of waste materials.

f) **Waste Audit:** It deals with dry waste and wet waste disposal mechanism and whether the waste has been used for compost or not is monitored.

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Principal
Govt. Degree College
Narsampet, Warangal (R)-506 132

g) **Carbon Foot Print Audit:** It deals with fuel consumption and emissions released from vehicles of staff and students.

Further, for administrative convenience, it is decided to set up a two tier Audit Committees i.e., College level and State level.

College Level Audit Committee: The composition of the College Level Audit committee consists of the following;

Chairman: Principal of the college

External member: ID College Principal or Neighbouring College Principal

Convenor: Any Science faculty of the college

Members: Any two senior faculties from science departments

Student volunteers: Four to five Students from Sciences

The following procedure shall be followed for college level audit:

- The whole campus is divided in two different blocks like administrative, academics, Student Hostel, canteen etc., and each block is to be looked after by a team of faculty and five student volunteers. The lecturers and volunteers are provided with a green audit batch to give then identity on the campus.
- The committee should ensure the systematic disposal of the garbage by classifying them in to biodegradable and non-degradable components.
- It also creates awareness among the students on environmental awareness, solid waste management, conservation of natural resources, sustainable development etc.

At college level, the audit committee should conduct an audit for every two years, evaluate the audit program prepare an audit report and the same should be sent for state level committee for evaluation. Model audit documents will be provided to all the GDCs to enable them to get audit done for all kinds of audit and based on

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Principal
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the recommendations of the audit committee, the CCE shall issue the Audit Certificates to the concerned GDCs.

A State Level Audit Committee is being constituted which will examine the internal audit reports of various colleges and thoroughly scrutinizes the documents submitted by the Principals of GDCs. Based on the recommendations of the State Level Audit committee at CCE level, the colleges will be issued Audit Certificates. The audit Certificate is valid for Two Years from the date of issue of certificate.

Hence, all the Principals of Government Degree Colleges are here by directed to conduct Green Audit by following all the guidelines issued in this regard and submit the periodical compliance report to the O/o CCE.

Signature Not Verified

Digitally signed by NAVIN MITTAL IAS
Date: 2021.04.23 17:15:38 IST
Reason: Approved
Commissioner of Collegiate Education

Government Degree College NARSAMPET Warangal Dist. Rural

Principal
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Narsampet, Warangal (R)-506 132

GOVERNMENT DEGREE COLLEGE NARSAMPET
WARANGAL DISTRICT (RURAL) 506132 TELANGANA STATE
wgl.jkc.nspt@gmail.com; **Mob.9849551559**
website:https: //www.gdcts.cgg.gov.in/narsampet.edu

Green Audit Certificates

GOVERNMENT DEGREE COLLEGE, NARSAMPET
WARANGAL DISTRICT- 506 132, TELANGANA STATE.

ISO 9001:2015 Certified, NIRF, ARIIA Participated and NAAC Accredited Institution

Dr. B. CHANDRAMOULI
Principal

Date :.....

GREEN AUDIT CERTIFICATE

Green Audit has been conducted for the academic year 2020-21 by an external committee constituted by the college Green Audit.

The Committee discussed and suggested a standard model of audit. The model involves water, waste, energy and greenery. The basic data was collected with the help of the students. The data was analyzed and assessed by the external committee and revealed that the environment in the campus is in healthy and hygienic. The committee suggested few recommendations for the protection of the environment.

1. Plant medicinal plants inside the college campus.
2. Estimate the carbon emissions by the vehicles in the college.
3. Organize more environmental awareness programs in the neighboring areas.

Signature of the External Members

1. Md. Nuruj — Head Dept of Botany K.U. Wgl.
   Head
   Department of Botany
   Kakatiya University
   Warangal
2.
3. (Dr. M. Suneela)
   Department of Botany
   Kakatiya University
   Warangal - 506009

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1. Increase the greenery by planting more number of trees in the campus.
2. Use energy saving electric devices in the college campus.

Signature of the External Members

1. Md. [signature] Head, Dept of Botany, KU. Wgl.
   Head
   Department of Botany
   Kakatiya University
   Warangal - 506009
2.
3. [signature]
   (Dr. M. Sureshna)
   Department of Botany
   Kakatiya University
   Warangal - 506009

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GREEN AUDIT CERTIFICATE

Green Audit has been conducted for the academic year 2018-19 by an external committee constituted by the college Green Audit.

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1. Organize more environmental awareness programs in the neighboring areas.

Signature of the External Members

1. Md. Nasim — Head, Dept. of Botany K.U. Wgl.
   Head
   Department of Botany
   Kakatiya University
   Warangal - 506009
2.
3. (Dr. K. Suvetha)
   Department of Botany
   Kakatiya University
   Warangal - 506009

GOVERNMENT DEGREE COLLEGE NARSAMPET

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From
Dr. B. Chandramouli, M.Sc., Ph.D.
Principal
Govt. Degree College
Narsampet

To
The Commissioner
Commissionerate of Collegiate Education
Hyderabad

RC.No.Spl/Estt/GAR/2021

Date:25.10.2021

Respected Sir,

Sub: GDC Narsampet - Submission of the Green Audit Reports – Request – Regarding

Ref: CCE TS Procs File No.CCE-AC/QLTY/NAAC/1/2021-ACADEMIC CELL

*****

With reference to the subject cited, I am herewith submitting the Reports of Green Audit conducted at GDC Narsampet vide the reference cited above.

This is for favour of your kind information.

Thanking you sir,

Yours faithfully

PRINCIPAL
Govt. Degree College
Narsampet, Warangal-506 132

COMMISSIONERATE OF COLLEGIATE EDUCATION, TELANGANA: HYDERABAD

PROFORMA FOR GREEN AUDIT

College Profile

Name of the College : **GOVERNMENT DEGREE COLLEGE, NARSAMPET.**

Address : Vallabhnagar, Narsampet, Warangal Dist. Pin-506132.
Contact Info : 9154806866, 08718-230173

Campus Area : 18 Acres

Built-up Area : 31680 Sq.meters.

Is the building has ventilators for natural air flow in all rooms: **Yes**

The student and faculty strength of the college:

Strength	Male	Female	Total
No of students	173	145	328
No of Teaching Staff	14	03	17
No of Non-Teaching staff	01	03	04

Physical Structure

The available land of the college: 18 acres and - Gunta
The built-up area of the college: 341000.68 Sq.Ft.

No. of Class Rooms	18
No. of Laboratories	09
No. of Conference halls	01
Library Halls	02
Auditorium	Nil
Canteen	01
Any other (please specify)	Digital Class Rooms-3 and Virtual class Room-01

Objectives :	The Institution aims maximum utilization of available resources through green initiatives through maintenance of green cover and establishment of botanical garden and medicinal park. Proper utilization of available water resources for drinking and watering the plants. Reduction of carbon fuels by initiatives like cycling. Scientific methods of disposal of waste is an another imitative taken up by the institute. Maximum reduction of power is motto.
Prepared by:	P.Tyagaiah, Asst.Prof. of Physics M.Narendar, Asst. Prof of Botany Dr.J.Lakan Singh Asst. Prof of Zooology G.Prasoona Asst. Prof of Chemistry
Approved by:	Dr.B.Chandramouli, Principal

Remarks :	Nil

Background:

- Unique academic journey of 37 years
- Came into existence in 1984.
- The college is affiliated to Kakatiya University, Warangal and it was admitted by UGC under 2(f) & 12(B) in 1990.
- In October 2016, Government Degree College, Narsampet is conferred as **Identified College of Warangal Rural District.**

General Objectives:

VISION:

- To impart quality education to the socially and economically disadvantaged students who hail from rural areas.

MISSION

- To cater to the academic needs of the students of various sections of society with career orientation and multi-skill development programmes
- To encourage the innate talents of each student and help experience the 'pleasure of learning'
- To help students build self-confidence and face the challenges of life in present and future.

AUDITING FOR WATER MANAGEMENT

01	List out uses of water in your college.	Drinking,Gardening,Toilets,Laboratories.
02	What are the sources of water in your college?	Well, Hand Pump, Municipality tap.
03	How many wells are there in your college?	01
04	No. of motors used for pumping water from each well?	03
05	What is the total horse power of each motor?	01-5hp,02-0.5hp.
06	What is the depth of each well?	70 ft.
07	What is the present depth of water in each well?	65 ft
08	How does your college store water?	Overhead tanks & Sump.
09	Quantity of water stored in your	5000L

	overhead water tank? (In liters)	
10	Quantity of water pumped every day? (In liters)	2800L
11	If there is water wastage, specify why.	No
12	How can the wastage be prevented / stopped?	Nil
13	Locate the point of entry of water and point of exit of waste water in your College.	Open Well & Underground sewage Sump.
14	Where does waste water come from?	Laboratories & Toilets.
15	Where does the waste water go?	Soaking Pits.
16	What are the uses of waste water in your college?	No
17	What happens to the water used in your labs? Whether it gets mixed with ground water?	no
18	Is there any treatment for the lab water?	Simple treatment
19	Whether green chemistry methods are practiced in your labs?	Yes
20	Write down four ways that could reduce the amount of water used in your college.	1. Leakages are stopped by repairing. 2. Taps are fitted wherever it required.
21	Record water use from the college water meter for six months.	No
22	Bimonthly water charges paid to water connections if any	300
23	No. of water coolers. Amount of water used per day? (in liters)	Nil
24	No. of water taps. Amount of water used per day?	25, 800L
25	No. of bath rooms in staff rooms, common, hostels. Amount of water used per day?	02 150L
26	No. of toilet, urinals. Amount of water used per day?	Toilets-05 Urinals-11 1200L
27	No. of water taps in the canteen. Amount of water used per day?	Nil
28	Amount of water used per day	450L

	for garden use.	
29	No. of water taps in laboratories. Amount of water used per day in each lab?	06 15L
30	Total use of water in each hostel?	Nil
32	Is there any water used for agricultural purposes?	NIl
33	Does your college harvest rain water?	Yes
34	If yes, how many rain water harvesting units are there? (Approx. amount)	02
35	How many of the taps are leaky? Amount of water lost per day?	06 02L
36	Are there signs reminding people to turn off the water? Yes / No	Yes
37	Is there any waterless toilets?	No
38	How many water fountains are there?	Nil
39	How many water fountains are leaky?	Nil
40	Is drip irrigation used to water plants outside? YES/NO	No
41.	How often is the garden watered?	Once for Two days
42	Quantity of water used to watering the ground?	450L
43	Quantity of water used for bus cleaning? (Liters per day)	NIL
44	Amount of water for other uses? (Items not mentioned above)	NO
45	Area of the college land without tree/building canopy.	08 Acres
46	Is there any water management plan in the college?	Yes
47	Are there any water saving techniques followed in your college? What are they?	1. Leakages are stopped by repairing. 2. Taps are fitted wherever it required.
48	Please share Some IDEA for how your college could save more water.	By creating awareness among the children about conservation of water.

AUDITING FOR ENERGY MANAGEMENT

01	List ways that you use energy in your college. (Electricity, electric stove, kettle, microwave, LPG, firewood, Petrol, diesel and others).	Electricity,LPG,Kerosene.
02	Electricity bill amount for the last year	120000/-
03	Amount paid for LPG cylinders for last one year	890/-
04	Weight of firewood used per month and amount of money spent? Also mention the amount spent for petrol/diesel/ others for generators?	Nil
05	Are there any energy saving methods employed in your college? If yes, please specify. If no, suggest some.	NIL
06	How much money does your college spend on energy such as electricity, gas, firewood, etc. in a month?	10000/-
07	How many CFL bulbs has your college installed? Mention use (Hours used/day for how many days in a month)	NIL
08	Energy used by each bulb per month? (For example- 60 watt bulb x 4hours x number of bulbs = Kwh).	NIL
09	How many LED bulbs are used in your college? Mention the use (Hours used/day for how many days in a month)	25
10	Energy used by each bulb per month? (kWh).	
11	How many incandescent (tungsten) bulbs have your college installed? Mentions use (Hours used/day for how many days in a month)	01
12	Energy used by each bulb per month? (kWh).	2.4
13	How many fans are installed in your college? Mention use (Hours used/day for how many days in a month)	110. (3hrs per day for 15 days in a month)
14	Energy used by each fan per month? (kWh).	2.7 kWh.
15	How many air conditioners are installed in your college? Mention use (Hours used/day, for how many days in a month)	05 (3 are not working) 1 hrs /day, 12 days in a month.

16	Energy used by each air conditioner per month? (kWh).	
17	How many electrical equipment including weighing balance are installed your college? Mention the use (Hours used/day for how many days in a month)	NIL
18	Energy used by each electrical equipment per month? (kWh).	NIL
19	How many computers are there in your college? Mention the use (Hours used/day for how many days in a month)	76 3hrs per day for 20 days in a month.
20	Energy used by each computer per month? (kWh).	
21	How many photocopiers are installed by your college? Mention use (Hours used/day for how many days in a month).	02 (Not working)
22	How many cooling apparatus are in installed in your college? Mention use (Hours used/day for how many days in a month)	Nil
23	Energy used by each cooling apparatus per month? (kWh) Mention use (Hours used/day for how many days in a month)	Nil
24	Energy used by each photocopier per month? (Kwh) Mention the use (Hours used/day for how many days in a month) How many inverters your college installed? Mentions use (Hours used/day for how many days in a month)	8KWH (1Hr perday/10Days in a month) 02 (1hr per day/10 days in a month)
25	Energy used by each inverter per month? (kWh).	7KWH
26	How many electrical equipment are used in different labs of your college? Mention the use (Hours used/day for how many days in a month)	15 (2 hrs per day & 12 days in amonth)
27	Energy used by each equipment per month? (kWh)	3KWH
28	How many heaters are used in the canteen of your college? Mention the use (Hours used/day for how many days in a month)	Nil
29	Energy used by each heater per month? (kWh)	Nil
30	No of street lights in your college?	03
31	Energy used by each street light per	2KWH

	month? (kWh)	
32	No of TV in your college and hostels?	01
33	Energy used by each TV per month? (kWh)	1KWH
34	Any other item that uses energy (Please write the energy used per month) Mention the use (Hours used/day for how many days in a month)	Nil
35	Are any alternative energy sources/nonconventional energy sources employed / installed in your college? (Photovoltaic cells for solar energy, windmill, energy efficient stoves, etc..) Specify.	Nil
36	Do you run "switch off" drills at college?	No
37	Are your computers and other equipment put on power-saving mode?	Yes
38	Does your machinery (TV, AC, Computer, weighing balance, printers, etc.) run on standby mode most of the time? If yes, how many hours?	No
39	What are the energy conservation methods adapted by your college?	In Principal's Chamber and computer laboratory tube lights are replaced by the Led lights. Awareness is creating among the students about proper usage of lights and fans.
40	How many boards displayed for saving energy awareness?	05
41.	How much ash is collected after burning fire wood per day in the canteen?	Nil
42	Write a note on the methods/practices/adaptations by which you can reduce the energy use in your college campus in future.	We are planning to replace all tube lights with CFL/LEDs so that consumption of energy reduced. Planning to install solar energy on the college building roof. Creating awareness among the students about conservation of electricity and switching off the fans & lights when they are leaving the class rooms.

AUDITING FOR WASTE MANAGEMENT

WASTE

1. Does your college generate any waste? If so what are they?
   Dry Leaves, dry tree brunches

2. How much quantity? 08-12 Kgs

3. Number or weight E-waste Hazardous waste (taxic) :- No

4. Solid waste: Yes

5. Dry waste: Yes

6. Canteen waste: No

7. Liquid waste: Yes

8. Glass: Yes

9. Unused equipment: Yes

10. Medical waste if any: No

11. Napkins others (specify): Yes

01	What is the approximate quantity of waste generated per day? (in Kilograms) Office Laboratories Canteen/kitchen	1.2 Kg
02	Why waste is a problem?	Poor waste management contributes to climate change and air pollution
03	Whether waste is polluting ground/surface water? How?	Contaminants may reach ground water from activities from the stored waste on the land surface.
04	Whether waste is polluting the air of the college? How?	Burning of trash dry leaves and tree branches are released pollution into the air of the college.
05	How is the waste generated in the college managed? Methods 1 Composting 2 Recycling 3 Reusing 4 Others (specify)	Composting
06	How many separate boxes do you think you would need to put into a classroom to start a waste segregation and recycling campaign? What should be the use for each box?	02
07	Do you use recycled paper in College?	No
08	Is there any waste wealth program practiced in the college?	No
09	Can you achieve zero garbage in your college? (Reduce, Recycle, Reuse, Refuse) If yes, how?	No

AUDITING FOR GREEN CAMPUS MANAGEMENT

01	Is there a garden in your college? Area?	:	Yes, 622 Sq. Feets
02	Do students spend time in the garden?	:	1 Hour
03	List the plants in the college, with approx. numbers of each species		Table: 01

Table: 01

Sl.No	Scientific Name	Local Name	No.of plants
1	*Acalypha wilkesiana*	Acalypha	30
2	*Albizia lebbeck*	Dirisena	09
3	*Alstonia scholaris*	Edakula ponna	18
4	*Annona squamosa*	seethapalum	10
5	*Araucaria araucana*	Araucaria	01
6	*Azadiracta indica*	Vepa	18
7	*Bauhinia racemosa*	aare	01
8	*Borassus flabellifer*	Taati	08
9	*Breynia disticha*	snow bush	08
10	*Butea monosperma*	Mooduga	02
11	*Cycas revoluta*	cycas	04
12	*Dalbergia sisso*	sisoo	03
13	*Delonix regia*	Gulmohar	04
14	*Eucalyptus obiiliqua*	Jaamaayal	06
15	*Ficus benghalensis*	Marri	03
16	*Ficus benjamina*	Weeping fig	03

17	*Ficus racemosa*	Medi	02
18	*Holoptelea intgrifolia*	Nemalinara	06
19	*Iresine Herbstii*	Iresine	20
20	*Leucaena leucocephala*	Subabul	02
21	*Mangifera indica*	Mamidi	58
22	*Nerium odorum*	Ganneru	06
23	*Peltophorum pterocarpum*	Paccha sunkesula	08
24	*Pongamia pinneta*	kanuga	189
25	*Pseuderanthemum carruthersii*	Eranthemum	20
26	*Senna auriculata*	Tangedu	20
27	*Syzygium cumini*	Neredu	02
28	*Tabernaemontana divericatum*	Nadivardanam	06
29	*Tecoma trans*	paccha pulachettu	01
30	*Tectona gandris*	Teak	07
31	*Terminalia catappa*	Baadam	01
32	*Thuja occidentalis*	Thuja	16
TOTAL			**492**

04	Suggest plants for your campus. (Trees, vegetables, herbs, etc.)	:	*Artocarpus heterophyllus*
05	List the species planted by the students, with numbers.	:	248
06	Whether you have displayed scientific names of the trees in the campus?	:	Yes
07	Is there any plantations in your campus? If yes specify area and type of plantation.	:	No
08	Is there any vegetable garden in your college? If yes how much area?	:	No
09	Is there any medicinal garden in your college? If yes how much area?	:	No
10	What are the vegetables cultivated in your vegetable garden? (Mention the quantity of harvest in each season)	:	Not Applicable
11	How much water is used in the vegetable garden and other gardens? (Mention the source and quantity of water used).	:	Not Applicable
12	Who is in-charge of gardens in your college?	:	M Narendar
13	Are you using any type of recycled water in your garden?	:	No
14	List the name and quantity of pesticides and fertilizers used in your gardens?	:	Nil
15	Whether you are doing organic farming in your college? How?	:	No
16	Do you have any composting pit in your college? If yes, what are you doing with the compost generated?	:	Nil
17	What do you doing with the vegetables harvested? Do you have any student market?	:	No
18	Is there any botanical garden in your campus? If yes give the details of campus flora.	:	No
19	Give the number and names of the medicinal plants in your college campus.	:	Nil
20	Any threatened plant species planted/conserved?	:	Nil

21	Is there a nature club in your college? If yes what are their activities?	:	Yes, They are monitoring Plants.
22	Is there any arboretum in your college? If yes details of the trees planted.	:	No
23	Is there any fruit yielding plants in your college? If yes details of the trees planted.	:	58 Mango plants
24	Is there any groves in your college? If yes details of the trees planted.	:	Mango Groves
25	Is there any irrigation system in your college?	:	No
26	What is the type of vegetation in the surrounding area of the college?	:	Dry deciduous
27	What is the nature awareness programmes conducted in the campus?	:	Earth day, Ozone day, World environment day,
28	What is the involvement of students in the green cover maintenance?	:	Students Participated in Telanganaku Haritha Haram (THH) Programme in every year.
29	What is the total area of the campus under tree cover? Or under tree canopy?	:	1 Acre
30	Share your IDEAS for further improvement of green cover	:	To plant more indigenous and fruit trees.


Narsampet, Telangana, India
Vallab Nagar Degree College Rd, Narsampet,
Telangana 506132, India
Lat N 17° 56' 3.5448"
Long E 79° 54' 3.6756"
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Vallab Nagar Degree College Rd, Narsampet,
Telangana 506132, India
Lat N 17° 56' 4.6104"
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Vallab Nagar Degree College Rd, Narsampet,
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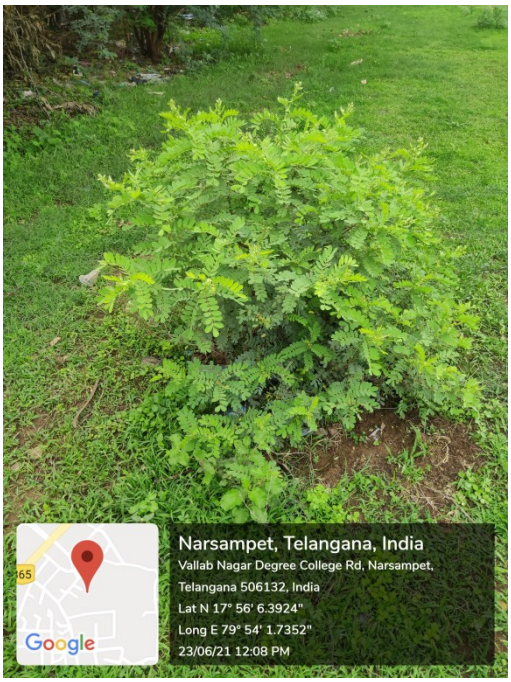
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telangana narsampet vallabnagar 3-141/1-1,
Narsampet, Telangana 506132, India
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Long E 79° 54' 5.382"
23/06/21 12:11 PM
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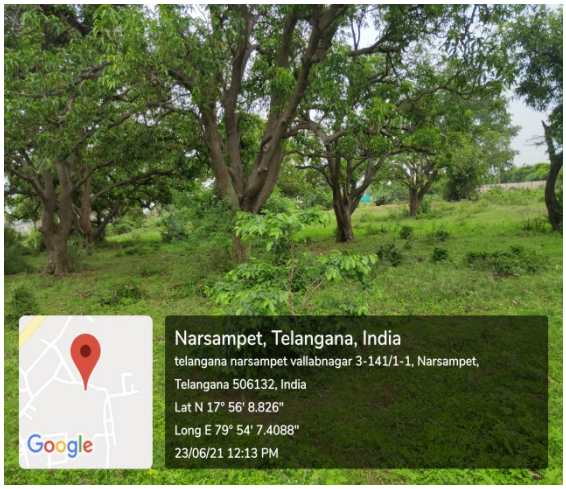
Narsampet, Telangana, India
telangana narsampet vallabnagar 3-141/1-1, Narsampet, Telangana 506132, India
Lat N 17° 56' 8.826"
Long E 79° 54' 7.4088"
23/06/21 12:13 PM
Google


Narsampet, Telangana, India
Unnamed Road, Narsampet, Telangana 506132, India
Lat N 17° 56' 5.568"
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23/06/21 12:19 PM
Google


Narsampet, Telangana, India
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Lat N 17° 56' 5.3556"
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Google


Narsampet, Telangana, India
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Long E 79° 54' 3.654"
23/06/21 12:30 PM
Google


GPS Map Camera
Narsampet, Telangana, India
Vallab Nagar Degree College Rd, Narsampet, Telangana 506132, India
Lat 17.934068°
Long 79.900967°
06/07/21 10:59 AM
Google


GPS Map Camera
Narsampet, Telangana, India
Vallab Nagar Degree College Rd, Narsampet, Telangana 506132, India
Lat 17.934065°
Long 79.901148°
06/07/21 11:06 AM
Google


GPS Map Camera
Narsampet, Telangana, India
H.no:4-110/2-1, near Govt Degree college, Narsampet, Telangana 506132, India
Lat 17.934193°
Long 79.90058°
06/07/21 11:10 AM
Google


Tectona grandis
Verbenaceae
GPS Map Camera
Narsampet, Telangana, India
Narsampet Main Rd, Narsampet, Telangana 506132, India
Lat 17.93093°
Long 79.895655°
06/07/21 11:18 AM
Google

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మొక్కలకు క్యూఆర్ కోడ్ : లెఫ్టినెంట్ డాక్టర్ బత్తిని చంద్రమౌళి

నర్సంపేట, జూన్ 29, (ప్రజాతంత్ర విలేకరి) : నర్సంపేట ప్రభుత్వ డిగ్రీ కళాశాల ఆవరణలో పెరిగిన మొక్కలకు మొక్కలకు క్యూఆర్ కోడ్ ఏర్పాటు చేసినట్లు నర్సంపేట ప్రభుత్వ డిగ్రీ కళాశాల ప్రిన్సిపాల్ లెఫ్టినెంట్ డాక్టర్ బత్తిని చంద్రమౌళి తెలిపారు. మంగళ వారం ప్రభుత్వ డిగ్రీ కళాశాల నర్సంపేట ఆవరణలో పెరిగిన మొక్కలకు వృక్ష శాస్త్ర విభాగం ఆధ్వర్యంలో కళాశాల విద్యా కమిషనర్ ఆదేశానుసారం కళాశాలలో పెరిగిన మొక్కల జాతులకు అనుగుణంగా క్యూఆర్ కోడ్ లను ఏర్పాటు చేసినట్లు కళాశాల ప్రిన్సిపాల్ లెఫ్టినెంట్ డాక్టర్ బత్తిని చంద్రమౌళి తెలియజేసారు. ఈ సందర్భంగా వృక్షశాస్త్ర విభాగము అధిపతి అసిస్టెంట్ ప్రొఫెసర్ నరేందర్ మాట్లాడుతూ క్యూఆర్ కోడ్ ద్వారా మొక్కల యొక్క శాస్త్రీయ నామము, వాటి యొక్క కుటుంబాలు, వాడుక పేర్లు , వాటి యొక్క ఆకృతి మరియు ఔషధ విలువవరిస్తుంది వరిస్తుందని తెలిపారు. ఈ సందర్భంగా కళాశాల ప్రిన్సిపల్ లెఫ్టినెంట్ డాక్టర్ బత్తిని చంద్రమౌళి మాట్లాడుతూ రాష్ట్ర ప్రభుత్వం ఏర్పడిన తర్వాత ఎంతో ప్రతిష్టాత్మకంగా తీసుకున్న హరితహారం కార్యక్రమాల్లో మొక్కలు నాటడం జరిగిందన్నారు. నాటిన మొక్కల యొక్క వివరాలను విద్యార్థులు తెలుసుకొనుట కొరకు వాటి యొక్క కోడ్ లను స్కాన్ చేయడం ద్వారా మొక్కల యొక్క వివరాలు చేసుకోవచ్చన్నారు. స్వతహాగా విషయ పరిజ్ఞానాన్ని సముపార్జన చేసుకుని వృక్ష సంపద పట్ల అవగాహన ఏర్పరచుకోవడం వల్ల పర్యావరణ

సమతుల్యతను కాపాడుటలో ఇది ఎంతగానో ఉపయోగపడుతుందని ఆయన తెలిపారు. నర్సంపేట ప్రజలందరూ హరితహారం కార్యక్రమం లో ఔషధ విలువలు కలిగి ఉన్న మొక్కలను తమ ఇళ్ల పరిసరాలలో ఎక్కువగా పెంచుకోవాలని కోరుతూ పర్యావరణ పరిరక్షణలో ప్రతి ఒక్కరికి కీలక పాత్ర పోషించాలన్నారు. ఈ కార్యక్రమంలో కళాశాల ప్రిన్సిపల్ డాక్టర్ చంద్రమౌళి వైస్ ప్రిన్సిపాల్ టి రమేష్ , కోఆర్డినేటర్ డాక్టర్ శ్రీనాథ్ వృక్ష శాస్త్ర అధ్యాపకులు మెడిశెట్టి నరేందర్ , డాక్టర్ లఖన్ సింగ్, త్యాగయ్య డాక్టర్ సుమతి, డాక్టర్ కుమారస్వామి, ఏం శైలజ, సమ్మయ్య, బి రమేష్, బాల కొమురయ్య తదితరులు పాల్గొన్నారు.

మన వరంగల్

5/12

మొక్క మొక్కకు క్యూఆర్ కోడ్‌లు

* నర్సంపేట ప్రభుత్వ డిగ్రీ కళాశాలలో ప్రతిష్టాత్మకంగా హరితహారం

మన తెలంగాణ/నర్సంపేట: పట్టణం లోని ప్రభుత్వ డిగ్రీ కళాశాల ఆవరణలో పెరిగిన మొక్కలకు వృక్ష శాస్త్ర విభాగం ఆధ్వర్యంలో కళాశాల విద్యా కమిషనర్ ఆదేశానుసారం పెరిగిన మొక్కల జాతులకు అనుగుణంగా క్యూఆర్ కోడ్‌లను ఏర్పాటు చేసినట్లు ప్రిన్సిపాల్ లెఫ్టినెంట్ డాక్టర్ బత్తిని చంద్రమౌళి తెలిపారు. ఈ

సందర్భంగా ప్రిన్సిపాల్ మాట్లాడుతూ... రాష్ట్ర ప్రభుత్వం ఏర్పడిన తరువాత ఎంతో ప్రతిష్టాత్మకంగా తీసుకున్న హరితహారం కార్యక్రమా ల్లో మొక్కలు నాటడం జరిగింది. నాటిన మొక్కల వివరాలను విద్యార్థులు తెలుసుకోవడానికి క్యూఆర్ కోడ్‌లను స్కాన్ చేయడం ద్వారా మొక్కల వివరాలు తెలుసుకోవడం జరుగుతుందన్నారు. స్వతహాగా విషయ పరిజ్ఞానాన్ని సముపార్జన చేసుకొని వృక్ష సంపద పట్ల అవగాహన ఏర్పరచుకోవడం వల్ల పర్యావరణ సమతుల్యతను కాపాడుటలో ఇది ఎంతగానో ఉపయోగపడుతుందన్నారు. కావున అందరూ హరితహారంలో ఔషద విలువలు కల్గిన మొక్కల్ని తమ ఇళ్ల పరిసరాల్లో ఎక్కువగా పెంచాలన్నారు.కార్యక్ర మంలో వృక్ష శాస్త్ర విభాగాధిపతి అసిస్టెంటు ప్రొ ఫెసర్ నరేందర్, న్యాక్ కోఆర్డినేటర్ డాక్టర్ శ్రీనాథ్, డాక్టర్ లకన్‌సింగ్, త్యాగయ్య, డాక్టర్ సు మతి, డాక్టర్ కుమారస్వామి, శైలజ, సమ్మయ్య, రమేశ్, బాలకొమురయ్య పాల్గొన్నారు.

మొక్కలకు క్యూ ఆర్ కోడ్ ఏర్పాటు

నర్సంపేట, జూన్ 29 : ప్రభుత్వ డిగ్రీ కళాశాలలో పెరిగిన మొక్కలకు క్యూ ఆర్‌కోడ్‌ను ఏర్పాటు చేస్తున్నట్లు పిన్సిపాల్ బత్తిని చంద్రమౌళి తెలిపారు. మంగళవారం నర్సంపేట కళాశాల ఆవరణలో విద్యా కమిషనర్ ఆదేశాను సారం కళాశాలలో మొక్కల జాతులకు అనుగుణంగా క్యూ ఆర్ కోడ్లను ఏర్పాటు చేసినట్లు వివరించారు. ఈ సందర్భంగా మాట్లాడుతూ రాష్ట్ర ప్రభుత్వం ప్రతిష్టాత్మకంగా తీసుకున్న హరితహారంలో భాగంగా మొక్కలు నాటామన్నారు. నాటి మొక్కల విలువను క్యూ ఆర్‌కోడ్‌లను స్కాన్ చేయడం ద్వారా మొక్క వివరాలను తెలుసుకోవచ్చని వివరించారు. స్వాతాహగా విషయ పరిజ్ఞాన సముపార్జన చేసుకుని వృక్ష సంపదపై అవగాహన ఏర్పరచుకోవాలన్నారు. నర్సంపేట ప్రాంత ప్రజలందరూ హరితాహారంలో ఔషధ మొక్కలను నాటి సంరక్షించాలని సూచించారు. ఈ కార్యక్రమంలో వృక్ష శాస్త్ర అధ్యాపకుడు ప్రొఫెసర్ నరేందర్, వైస్ ప్రిన్సిపాల్ రమేశ్, డాక్టర్ శ్రీనాథ్, డాక్టర్ లఖన్‌సింగ్, త్యాగయ్య, డాక్టర్ సుమతి, డాక్టర్ కుమారస్వామి, ఎం శైలజ, సమ్మ య్య, బీ రమేశ్, బాల కొమురయ్య పాల్గొన్నారు.

మొక్కలకు క్యూఆర్ కోడ్

నర్సంపేట, నమస్తేతుడే: కళాశాల విద్యా కమిషనర్ ఆదేశాల మేరకు నర్సంపేట ప్రభుత్వ డిగ్రీ కళాశాల ఆవరణలో నాటి పెంచుతున్న మొక్కలు, చెట్లకు వృక్షశాస్త్ర విభాగం అధ్వర్యంలో క్యూఆర్ కోడ్‌లు ఏర్పాటుచేశారు. ప్రిన్సిపల్ చంద్ర మౌళి నేతృత్వంలో అధ్యాపకులు మంగళవారం మొక్కల జాతులకు అనుగుణంగా క్యూఆర్ కోడ్‌లను కేటాయించినట్లు వెల్లడించారు. వృక్షశాస్త్ర విభాగం అధిపతి సహాయ ప్రొఫెసర్ నరేందర్ మాట్లాడుతూ క్యూఆర్ కోడ్ ద్వారా మొక్కల శాస్త్రీయ నామం, వాటి కుటుంబం, వాడుక చేస్తు, ఆకృతి, ఔషధ గుణాలను తెలుసుకునే అవకాశం ఉంటుందన్నారు. ప్రిన్సిపల్ చంద్రమౌళి ప్రసంగిస్తూ రాష్ట్ర ప్రభుత్వం అమలుచేస్తున్న హరితహారంలో భాగంగా కళాశాల ఆవరణలో పెద్దఎత్తున మొక్కలు నాటి సంరక్షిస్తున్నట్లు తెలిపారు. అదేవిధంగా మొక్కల వివరాలు విద్యార్థులు తెలుసుకునేందుకు వీలుగా క్యూఆర్ కోడ్ కేటాయించామని, దాన్ని స్కాన్ చేయడం ద్వారా అన్ని వివరాలు తెలుస్తాయని వివరించారు. విద్యార్థులంతా స్వతహాగా విషయ పరిజ్ఞానాన్ని సముపార్జన చేసుకొని వృక్ష సంపదపై అవగాహన పెంపొందించుకోవడం ద్వారా పర్యావరణ సమతుల్యతను కాపాడడానికి ఎంతగానో ఉపయోగపడుతుందన్నారు. ఔషధ గుణాలు కలిగిన మొక్కలను ఇళ్ల ఆవరణలో పెంచుకోవాలని ప్రజలకు సూచించారు. కార్యక్రమంలో వైస్ ప్రిన్సిపల్ రమేశ్, బర్సార్ ఎస్ సమన్వయకర్త శ్రీనాథ్, అధ్యాపకులు లఖన్‌సింగ్, త్యాగయ్య, సుమతి, కుమారస్వామి, శైలజ, సమ్మయ్య, రమేశ్, బాలకొమురయ్య తదితరులు పాల్గొన్నారు.

కళాశాల ఆవరణలోని వేపమొక్కకు క్యూఆర్ కోడ్ బోర్డు ఏర్పాటు చేస్తున్న ప్రిన్సిపల్, అధ్యాపకులు

AUDITING FOR CARBON FOOTPRINT

01	What is the total strength of students and teachers in your College?	No. of Students:-328 No. of Teachers:-15+01 No. of Non-teaching staff:-04 Gents :- 14 Ladies:-06 Total:-20
02	Total Number of vehicles used by the stakeholders of the college. (per day	06
03	No. of cycles used	65
04	No. of two wheelers used (average distance travelled and quantity of fuel and amount used per day)	04
05	No. of cars used (average distance travelled and quantity of fuel and amount used per day)	02
06	No. persons using common (public) transportation (average distance travelled and quantity of fuel and amount used per day)	110
07	No. of persons using college conveyance by the students, non-teaching staff and teachers (average distance travelled and quantity of fuel and amount used per day)	Nil
08	Number of parent-teacher meetings in a year? Parents turned up (approx.)	02 (40 approx)
09	Number of visitors with vehicles per day?	14
10	Number of generators used per day (hours). Give the amount of fuel used per day.	01
11	Number of LPG cylinders used in the canteen (Give the amount of fuel used per day and amount spent).	Nil
12	Quantity of kerosene used in the canteen/labs (Give the amount of fuel used per day and amount spent).	Nil
13	Amount of taxi/auto charges paid and the amount of fuel used per month for the transportation of vegetables and other materials to canteen	Nil
14	Amount of taxi/auto charges paid per month for the transportation of office goods to the college.	Nil
15	Average amount of taxi/auto charges paid per month by the stakeholders of the college.	1600
16	Use of any other fossil fuels in the college (Give the amount of fuel used per day and amount spent).	Nil
17	Suggest the methods to reduce the quantity of use of fuel used by the stakeholders/students/teachers/non-teaching staff of the college.	Don’t use Bikes/ Vehicles for small distances or unnecessarily, Use bicycles.
18	Are the Rooms in Campus are Well Ventilated? Yes/No	Yes
19	Window Floor ratio of the Rooms Good/Not Enough	Good

Water Management.

SL NO	PARAMETERS	Response	Remarks
1	Source of water	Well,Handpump, Municipality Tap	
2	No. of Wells	01	
3	No. of motors used	03	
4	Horse power – Motor	05hp	
5	Depth of well –Total	70 ft	
6	Water level	48ft	
7	Number of water tanks	02	
8	Capacity of tank	5000L	
9	Quantity of water pumped every day	2800L	
10	Any water wastage/why?	No	
11	Water usage for gardening	450L	
12	Waste water sources	Labs, Toilets.	
13	Use of waste water	Nil	
15	Whether waste water from labs mixed with ground water	No	
16	Any treatment for lab water	Simple treatment	
17	Whether any green chemistry method practiced in labs	Yes	
18	No. of water coolers	00	
19	Rain water harvest available?	Yes	
20	No. of units and amount of water harvested	02 &	
21	Any leaky taps	yes	
22	Amount of water lost per day	02L	
23	Any water management plan used?	Yes	
24	Any water saving techniques followed?	Yes	
25	Are there any signs reminding peoples to turn off the water?	Yes	

Results of water quality

Parameters	Bore Well water	Municipal Tap water	Standard value (BIS)
Dissolved Oxygen (mg/l)	7.0	6.5	6-8
Acidity (mg/l)	200	180	200
Alkalinity (mg/l)	185	200	200
Chloride (mg/l)	250	200	250
Hardness (Total)	200	190	200
Conductivity (µs)	1.5	0.9	
Ph.	7.6	7.0	6.5-8.5
Total Dissolved Solids (ppm)	500	450	500
Salinity (ppt)	1.5	0.8	
Total coliform	0	0	0
Fecal coliform	0	0	0

Energy Audit Report

Sl. No	Electrical appliances/instruments	Number	Power (W)/ unit	Tot al power(W)	kW	Operation /day	kW/hr.	No.of days in month	Total consumption per month
1	CFL	00	00	00	00	00	00	00	00
2	TUBE	115	36	4140	4.14	3	12.42	20	248.4
4	LED BULB	25	9	225	0.225	3	0.675	20	13.5
5	LED TUBE	00	00	00	00	00	00	00	00
6	PROJECTOR	11	280	3080	3.08	1	3.08	05	15.4
7	SPEAKERS	07	100	700	0.7	1	0.7	04	2.8
8	FAN	104 (working-70)	60	4200	4.2	05	21	20	420
9	COMPUTER	75(working-25)	250	6250	6.25	3	56.25	20	375
10	LAPTOPS	04	50	200	0.2	1	0.2	05	1.00
11	PRINTERS	06	60	360	0.36	1	0.36	15	5.4
12	PHOTOSTAT MACHINE	02	650	1300	1.3	1	1.3	10	13
13	SCANNER	04	50	200	0.2	1	0.2	10	2.00
14	UPS	09	1000	2000	2.0	10	20	20	400
15	INDUCTION	00	00	00	00	00	00	00	00
16	A/C	05(working-02)	1460	2920	2.92	2	5.84	10	58.4
17	REFRIGERATOR	06 (working-04)	100	400	0.4	24	9.6	30	288
18	TABLE FAN	03	50	150	0.15	1	0.15	15	2.25
19	MIXER GRINDER	00	00	00	00	00	00	00	00
20	OVEN	02	1200	2400	2.4	1	2.4	05	12.00
22	CENTRIFUGE	05	750	3850	3.85	0.25	0.9625	07	6.7375
23	AUTOCLAVE	00	00	00	00	00	00	00	00
24	ULTRASOUND	00	00	00	00	00	00	00	00
25	LAMINAR FLOW	00	00	00	00	00	00	00	00

26	EXHAUST FAN	00	00	00	00	00	00	00	00
27	IRON BOX	00	00	00	00	00	00	00	00
28	SEWING MACHINE	00	00	00	00	00	00	00	00
29	COLOUR BULB	00	00	00	00	00	00	00	00
30	INCUBATOR	00	00	00	00	00	00	00	00
31	DISTILLATION UNIT	01	1000	1000	1.0	0.5	0.05	05	0.25
33	CCTV DVR	01	10	10	0.01	24	0.24	3	7.2
	Total Consumption per month								**1119.05**

Conclusions & Recommendations from Energy Audit:

The total energy utilization of the college for different purposes is approximately1119.05 kwh/month. Electricity charges per month are Rs.12000/month (approximately).

Energy saving through the replacement of Fluorescent Tubes, Conventional ceiling fans by smart appliances or power save appliances be a good energy management system for the college.

Awareness programmes for the stake holders to save energy may also increase sustainability in the utilization of various energy source.

Lighting in the library should be predominately LEDs and energy saving bulbs.

Solar energy of non-conventional category will be a good energy management system for the college.

The College should improve its monitoring and reporting of energy usage and provide information to campus users. In order to do this the College must install meters for campus buildings.

1. Waste management

Approximate quantity of waste generated per day (in kg)

Office				
Approx.	Biodegradable	Non -Biodegradable	Hazardous	Others
<1Kg	Yes	No	No	Nil
2-10Kg				
>10Kg				

Laboratories				
Approx.	Biodegradable	Non - Biodegradable	Hazardous	Others
<1Kg	Yes	No	Nil	No
2-10Kg				
>10Kg				

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

How the waste generated in the college is managed?

A)Composting/ Vermicomposting	Yes	One vermin composting unit is there in the college.
B)Recycling	No	--
C)Reusing	No	--
D)Other ways	Yes	Municipality collects the wastage.

Waste generated in the college?

E-waste		
Hazardous waste	NIl	
Solid waste	Yes	
Dry leaves	Yes	
Canteen waste	Nil	

Liquid waste	Yes	
Glass	Yes	
Unused Equipment	Nil	
Napkins	Yes	
Others (specify)	Nil	

Do you use recycled paper in college?	NO
Any waste management methods used?	We are planning to construct vermicomposting pits in the college.

Air quality Determination:

Air Quality Index (parameters studied/recorded/ Seasonal):

NO_2	1.94 ppb
NO	0.21 ppb
O_3	28.25 ppb
PM2.5	7.18 ub/m3
PM10	12.08
CO	173.3 ppb
Humidity	61%
Barometric Pressure	1002 mBar
Wind Speed	5.65 m/s
Wind Direction	north

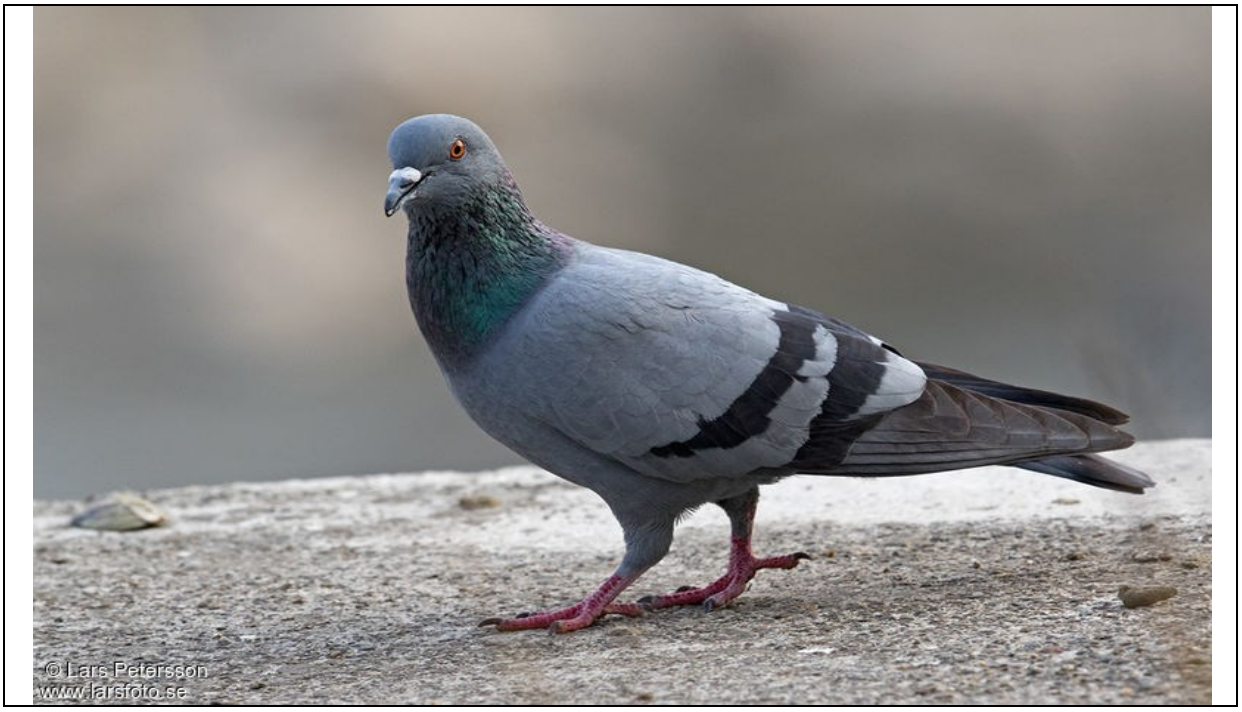
Measurements of Noise level in and around the college

S.No	place (S)	Measurements (Duration in seconds)	Minimum (dBA)	Maximum (dBA)	Average (dBA)
1	Library	15	32	58	45
2	Canteen	----	----	----	----
3	Play ground	20	44	72	58
4	Auditorium	20	36	58	47
5	Science Block (i) Botony	15	30	54	42
	(ii) Zoology	15	32	56	44
	(iii) Chemistry	15	34	60	47
	(iv) Physics	15	30	58	44
	(v) Computer Lab	15	30	54	42
6	Virtual Classroom	15	32	62	47

Green audit Faunal diversity in college campus

Faunal group	Scientific Name	**Number (If enumeration is done)**	**seasonality**
Spiders	Latrodectus		
Moths& butterflies	Danaus plexippus		
Other insects: (Dragon Flies,Bees ,Wasps, Bugs,&Beeties etc..)	Musca domestica (House fly) Anisoptera (Dragonflies)		
Annelids	1)Lumbricusterrestris(Earthworm) 2)Hirudeneagranulosa(Indian leech)		
Other Arthropods			
Amphibians	Bufo melanostictus(Common Indian toad)		
Reptiles	1)Hemidactylus frenatus (common house gecko) 2)Calotesversicolor(Garden Lizard 3)Tropidonotus(Pondsnake or grasssnake) 4)Najanaja(Comman cobra)		
Birds	1)Columbalivia(Pigeon) 2)Psittacula(Parrot) 3)Passerdomesticus(House Sparrow) 4)Corvus corax(Crow)		
Mammals	1)Macaca (monkey) *2)Rattus rattus*,(Rat) 3)*Mus musculus* (House mouse) 4)Chiroptera (Bat) 5)Gray squirrel (Sciurus carolinensis		


GPS Map Camera
Narsampet, Telangana, India
WWM2+J8X, Narsampet, Telangana 506132, India
Lat 17.934188°
Long 79.901108°
02/09/21 12:23 PM
Google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Water Quality analysis (Biological) report of college-II

S.NO	Parameter/WHO permissible level	Groups	Zooplankton (No of Samples/Sites)	methodology
1	Protozoan(Ciliates)	Parameseam Caudetum		
2	Rotifers:	1) keretella 2) Brachionus 3) fillinia 4) Colurella		
3	Ostracods	1)Cyprinotus 2)Entocythere 3)Cypricereus		
4	Insect Larvae	1 Lepidoptera. 2)Mecoptera. 3)Coleoptera. 4)Hymenoptera (Symphyta)		
5	WaterFleas	Daphnia		
6	Snails	Pila globosa		

Water Quality analysis (Biological)report of college –II

S.NO	Phytoplanktons	ScientificName& Number	Methodology
1	Diatoms (Bacillariophyceae)		
2	Dinoflagellates (Dinophyceae)		
3	Coccolithophores (prymnesiophores)		
4	Green algae		

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7.1.6: Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives:

Reports on environment and energy audits submitted by the auditing committee

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Green Audit:

01	Is there a garden in your college? Area?	:	Yes, 622 Sq. Feets
02	Do students spend time in the garden?	:	1 Hour
03	List the plants in the college, with approx. numbers of each species		Table: 01

Table: 01

Sl.No	Scientific Name	Local Name	No.of plants
1	*Acalypha wilkesiana*	Acalypha	30
2	*Albizia lebbeck*	Dirisena	09
3	*Alstonia scholaris*	Edakula ponna	18
4	*Annona squamosa*	seethapalum	10
5	*Araucaria araucana*	Araucaria	01
6	*Azadiracta indica*	Vepa	18
7	*Bauhinia racemosa*	aare	01
8	*Borassus flabellifer*	Taati	08
9	*Breynia disticha*	snow bush	08
10	*Butea monosperma*	Mooduga	02
11	*Cycas revoluta*	cycas	04
12	*Dalbergia sisso*	sisoo	03
13	*Delonix regia*	Gulmohar	04
14	*Eucalyptus obiiliqua*	Jaamaayal	06
15	*Ficus benghalensis*	Marri	03
16	*Ficus benjamina*	Weeping fig	03

17	*Ficus racemosa*	Medi	02
18	*Holoptelea intgrifolia*	Nemalinara	06
19	*Iresine Herbstii*	Iresine	20
20	*Leucaena leucocephala*	Subabul	02
21	*Mangifera indica*	Mamidi	58
22	*Nerium odorum*	Ganneru	06
23	*Peltophorum pterocarpum*	Paccha sunkesula	08
24	*Pongamia pinneta*	kanuga	189
25	*Pseuderanthemum carruthersii*	Eranthemum	20
26	*Senna auriculata*	Tangedu	20
27	*Syzygium cumini*	Neredu	02
28	*Tabernaemontana divericatum*	Nadivardanam	06
29	*Tecoma trans*	paccha pulachettu	01
30	*Tectona gandris*	Teak	07
31	*Terminalia catappa*	Baadam	01
32	*Thuja occidentalis*	Thuja	16
TOTAL			**492**

04	Suggest plants for your campus. (Trees, vegetables, herbs, etc.)	:	*Artocarpus heterophyllus*
05	List the species planted by the students, with numbers.	:	248
06	Whether you have displayed scientific names of the trees in the campus?	:	Yes
07	Is there any plantations in your campus? If yes specify area and type of plantation.	:	No
08	Is there any vegetable garden in your college? If yes how much area?	:	No
09	Is there any medicinal garden in your college? If yes how much area?	:	No
10	What are the vegetables cultivated in your vegetable	:	Not Applicable

	garden? (Mention the quantity of harvest in each season)		
11	How much water is used in the vegetable garden and other gardens? (Mention the source and quantity of water used).	:	Not Applicable
12	Who is in-charge of gardens in your college?	:	M Narendar
13	Are you using any type of recycled water in your garden?	:	No
14	List the name and quantity of pesticides and fertilizers used in your gardens?	:	Nil
15	Whether you are doing organic farming in your college? How?	:	No
16	Do you have any composting pit in your college? If yes, what are you doing with the compost generated?	:	Nil
17	What do you doing with the vegetables harvested? Do you have any student market?	:	No
18	Is there any botanical garden in your campus? If yes give the details of campus flora.	:	No
19	Give the number and names of the medicinal plants in your college campus.	:	Nil
20	Any threatened plant species planted/conserved?	:	Nil
21	Is there a nature club in your college? If yes what are their activities?	:	Yes, They are monitoring Plants.
22	Is there any arboretum in your college? If yes details of the trees planted.	:	No
23	Is there any fruit yielding plants in your college? If yes details of the trees planted.	:	58 Mango plants
24	Is there any groves in your college? If yes details of the trees planted.	:	Mango Groves
25	Is there any irrigation system in your college?	:	No
26	What is the type of vegetation in the surrounding area of the college?	:	Dry deciduous

27	What is the nature awareness programmes conducted in the campus?	:	Earth day, Ozone day, World environment day,
28	What is the involvement of students in the green cover maintenance?	:	Students Participated in Telanganaku Haritha Haram (THH) Programme in every year.
29	What is the total area of the campus under tree cover? Or under tree canopy?	:	1 Acre
30	Share your IDEAS for further improvement of green cover	:	To plant more indigenous and fruit trees.

1, Dr. A. Srinath –
2 Dr J. Lakanshyk –
3 M. Narendar –
4 G. Srinivas –
5 P. Tyagaiah –
6

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Green audit
Faunal diversity in college campus

Faunal group	Scientific Name	Number (If enumeration is done)	seasonality
Spiders	Latrodectus		
Moths& butterflies	Danaus plexippus		
Other insects:(Dragon Flies,Bees ,Wasps, Bugs,&Beeties etc..)	Musca domestica (House fly) Anisoptera (Dragonflies)		
Annelids	1)Lumbricusterrestris(Earthworm) **2)Hirudeneagranulosa(Indian leech)**		
Other Arthropods			
Amphibians	**Bufo melanostictus(Common Indian toad)**		
Reptiles	**1)Hemidactylus frenatus** (common house gecko) 2)**Calotesversicolor**(Garden Lizard 3)Tropidonotus(Pondsnake or grasssnake) 4)Najanaja(Comman cobra)		
Birds	1)Columbalivia(Pigeon) 2)Psittacula(Parrot) 3)Passerdomesticus(House Sparrow) 4)Corvus corax(Crow)		
Mammals	1)Macaca (monkey) *2)Rattus rattus*,(Rat) 3)*Mus musculus* (House mouse) 4)Chiroptera (Bat) 5)Gray squirrel (Sciurus carolinensis		

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4. G. Srinivas
5. P. Tyagaraj

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AUDITING FOR CARBON FOOTPRINT

01	What is the total strength of students and teachers in your College?	No. of Students:-328 No. of Teachers:-15+01 No. of Non-teaching staff:-04 Gents :- 14 Ladies:-06 Total:-20
02	Total Number of vehicles used by the stakeholders of the college. (per day	06
03	No. of cycles used	65
04	No. of two wheelers used (average distance travelled and quantity of fuel and amount used per day)	04
05	No. of cars used (average distance travelled and quantity of fuel and amount used per day)	02
06	No. persons using common (public) transportation (average distance travelled and quantity of fuel and amount used per day)	110
07	No. of persons using college conveyance by the students, non-teaching staff and teachers (average distance travelled and quantity of fuel and amount used per day)	Nil
08	Number of parent-teacher meetings in a year? Parents turned up (approx.)	02 (40 approx)
09	Number of visitors with vehicles per day?	14
10	Number of generators used per day (hours). Give the amount of fuel used per day.	01
11	Number of LPG cylinders used in the canteen (Give the amount of fuel used per day and amount spent).	Nil

12	Quantity of kerosene used in the canteen/labs (Give the amount of fuel used per day and amount spent).	Nil
13	Amount of taxi/auto charges paid and the amount of fuel used per month for the transportation of vegetables and other materials to canteen	Nil
14	Amount of taxi/auto charges paid per month for the transportation of office goods to the college.	Nil
15	Average amount of taxi/auto charges paid per month by the stakeholders of the college.	1600
16	Use of any other fossil fuels in the college (Give the amount of fuel used per day and amount spent).	Nil
17	Suggest the methods to reduce the quantity of use of fuel used by the stakeholders/students/teachers/non-teaching staff of the college.	Don't use Bikes/ Vehicles for small distances or unnecessarily, Use bicycles.
18	Are the Rooms in Campus are Well Ventilated? Yes/No	Yes
19	Window Floor ratio of the Rooms Good/Not Enough	Good

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AUDITING FOR WATER MANAGEMENT

01	List out uses of water in your college.	Drinking,Gardening,Toilets,Laboratories.
02	What are the sources of water in your college?	Well, Hand Pump, Municipality tap.
03	How many wells are there in your college?	01
04	No. of motors used for pumping water from each well?	03
05	What is the total horse power of each motor?	01-5hp,02-0.5hp.
06	What is the depth of each well?	70 ft.
07	What is the present depth of water in each well?	65 ft
08	How does your college store water?	Overhead tanks & Sump.
09	Quantity of water stored in your overhead water tank? (In liters)	5000L
10	Quantity of water pumped every day? (In liters)	2800L
11	If there is water wastage, specify why.	No
12	How can the wastage be prevented / stopped?	Nil
13	Locate the point of entry of water and point of exit of waste water in your College.	Open Well & Underground sewage Sump.
14	Where does waste water come from?	Laboratories & Toilets.
15	Where does the waste water go?	Soaking Pits.
16	What are the uses of waste water in your college?	No
17	What happens to the water used in your labs? Whether it gets mixed with ground water?	no
18	Is there any treatment for the lab water?	Simple treatment
19	Whether green chemistry methods are practiced in your labs?	Yes
20	Write down four ways that could reduce the amount of water used in your college.	1. Leakages are stopped by repairing. 2. Taps are fitted wherever it required.
21	Record water use from the college water meter for six months.	No
22	Bimonthly water charges paid to water connections if any	300
23	No. of water coolers. Amount of water used per day? (in liters)	Nil
24	No. of water taps. Amount of water used per day?	25, 800L
25	No. of bath rooms in staff rooms, common, hostels. Amount of water used per day?	02 150L
26	No. of toilet, urinals. Amount of water	Toilets-05

	used per day?	Urinals-11 1200L
27	No. of water taps in the canteen. Amount of water used per day?	Nil
28	Amount of water used per day for garden use.	450L
29	No. of water taps in laboratories. Amount of water used per day in each lab?	06 15L
30	Total use of water in each hostel?	Nil
32	Is there any water used for agricultural purposes?	Nil
33	Does your college harvest rain water?	Yes
34	If yes, how many rain water harvesting units are there? (Approx. amount)	02
35	How many of the taps are leaky? Amount of water lost per day?	06 02L
36	Are there signs reminding people to turn off the water? Yes / No	Yes
37	Is there any waterless toilets?	No
38	How many water fountains are there?	Nil
39	How many water fountains are leaky?	Nil
40	Is drip irrigation used to water plants outside? YES/NO	No
41.	How often is the garden watered?	Once for Two days
42	Quantity of water used to watering the ground?	450L
43	Quantity of water used for bus cleaning? (Liters per day)	NIL
44	Amount of water for other uses? (Items not mentioned above)	NO
45	Area of the college land without tree/bujlding canopy.	08 Acres
46	Is there any water management plan in the college?	Yes
47	Are there any water saving techniques followed in your college? What are they?	1. Leakages are stopped by repairing. 2. Taps are fitted wherever it required.
48	Please share Some IDEA for how your college could save more water.	By creating awareness among the children about conservation of water.

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Water Management

SL NO	PARAMETERS	Response	Remarks
1	Source of water	Well,Hand pump,Municipality Tap	
2	No. of Wells	01	
3	No. of motors used	03	
4	Horse power – Motor	05hp	
5	Depth of well –Total	70 ft	
6	Water level	48ft	
7	Number of water tanks	02	
8	Capacity of tank	5000L	
9	Quantity of water pumped every day	2800L	
10	Any water wastage/why?	No	
11	Water usage for gardening	450L	
12	Waste water sources	Labs, Toilets.	
13	Use of waste water	Nil	
15	Whether waste water from labs mixed with ground water	No	
16	Any treatment for lab water	Simple treatment	
17	Whether any green chemistry method practiced in labs	Yes	
18	No. of water coolers	00	
19	Rain water harvest available?	Yes	
20	No. of units and amount of water harvested	02 &	
21	Any leaky taps	yes	
22	Amount of water lost per day	02L	
23	Any water management plan used?	Yes	
24	Any water saving techniques followed?	Yes	
25	Are there any signs reminding peoples to turn off the water?	Yes	

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Results of water quality

Parameters	Bore Well water	Municipal Tap water	Standard value (BIS)
Dissolved Oxygen (mg/l)	7.0	6.5	6-8
Acidity (mg/l)	200	180	200
Alkalinity (mg/l)	185	200	200
Chloride (mg/l)	250	200	250
Hardness (Total)	200	190	200
Conductivity (µs)	1.5	0.9	
Ph.	7.6	7.0	6.5-8.5
Total Dissolved Solids (ppm)	500	450	500
Salinity (ppt)	1.5	0.8	
Total coliform	0	0	0
Fecal coliform	0	0	0

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Air quality Determination:

Air Quality Index (parameters studied/recorded/ Seasonal):

NO_2	1.94 ppb
NO	0.21 ppb
O_3	28.25 ppb
PM2.5	7.18 ub/m3
PM10	12.08
CO	173.3 ppb
Humidity	61%
Barometric Pressure	1002 mBar
Wind Speed	5.65 m/s
Wind Direction	north

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Measurements of Noise level in and around the college

S.No	place (S)	Measurements (Duration in seconds)	Minimum (dBA)	Maximum (dBA)	Average (dBA)
1	Library	15	32	58	45
2	Canteen	----	----	----	----
3	Play ground	20	44	72	58
4	Auditorium	20	36	58	47
5	Science Block (i) Botony	15	30	54	42
	(ii) Zoology	15	32	56	44
	(iii) Chemistry	15	34	60	47
	(iv) Physics	15	30	58	44
	(v) Computer Lab	15	30	54	42
6	Virtual Classroom	15	32	62	47

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Energy Audit Report

Sl. No	Electrical appliances/Instruments	Number	Power (W)/ unit	Tot al power(W)	kW	Operation /day	kW/hr.	No.of days in month	Total consumption per month
1	CFL	00	00	00	00	00	00	00	00
2	TUBE	115	36	4140	4.14	3	12.42	20	248.4
4	LED BULB	25	9	225	0.225	3	0.675	20	13.5
5	LED TUBE	00	00	00	00	00	00	00	00
6	PROJECTOR	11	280	3080	3.08	1	3.08	05	15.4
7	SPEAKERS	07	100	700	0.7	1	0.7	04	2.8
8	FAN	104 (working-70)	60	4200	4.2	05	21	20	420
9	COMPUTER	75(working-25)	250	6250	6.25	3	56.25	20	375
10	LAPTOPS	04	50	200	0.2	1	0.2	05	1.00
11	PRINTERS	06	60	360	0.36	1	0.36	15	5.4
12	PHOTOSTAT MAÇHINE	02	650	1300	1.3	1	1.3	10	13
13	SCANNER	04	50	200	0.2	1	0.2	10	2.00
14	UPS	09	1000	2000	2.0	10	20	20	400
15	INDUCTION	00	00	00	00	00	00	00	00
16	A/C	05(working-02)	1460	2920	2.92	2	5.84	10	58.4
17	REFRIGERATOR	06 (working-04)	100	400	0.4	24	9.6	30	288
18	TABLE FAN	03	50	150	0.15	1	0.15	15	2.25
19	MIXER GRINDER	00	00	00	00	00	00	00	00
20	OVEN	02	1200	2400	2.4	1	2.4	05	12.00

22	CENTRIFUGE	05	750	3850	3.85	0.25	0.962 5	07	6.7375
23	AUTOCLAVE	00	00	00	00	00	00	00	00
24	ULTRASOUND	00	00	00	00	00	00	00	00
25	LAMINAR FLOW	00	00	00	00	00	00	00	00
26	EXHAUST FAN	00	00	00	00	00	00	00	00
27	IRON BOX	00	00	00	00	00	00	00	00
28	SEWING MACHINE	00	00	00	00	00	00	00	00
29	COLOUR BULB	00	00	00	00	00	00	00	00
30	INCUBATOR	00	00	00	00	00	00	00	00
31	DISTILLATION UNIT	01	1000	1000	1.0	0.5	0.05	05	0.25
33	CCTV DVR	01	10	10	0.01	24	0.24	3	7.2
	Total Consumption per month								**1119.05**

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GREEN CAMPUS INITIATIVES

1) Awareness Programs on different environmental issues such as air, water, land and sound pollution, solid waste management, ecosystem, biodiversity, importance of renewable power and Sustainable Development on the occasion of World Environment Day, NSSDay, National Science Day etc.

2) Encouraging paperless communication by using e-office, SMS, email and WhatsApp.

3) 1000 Saplings were planted by students and staff on the occasion of Telanganaku Haritaharam (Plantation programme).

4) Use of plastic cups, bags and plates are prohibited in the campus.

5) Cleaning the surroundings of the college campus in the activity of Swatch Bharath.

6) Awareness was created towards medicinal plants and flowers on the occasion of bhatukamma festival (festival of flowers).

7) Awareness was created on importance of natural colours instead of artificial Colours on Holi festival.

8) Making of clay Ganesh idols during Ganesh Chaturthi festival.

9) Usage of LED and Energy efficient and Energy saving LEDs & Fans in the college campus for energy conservation.

10) "Save energy" initiative is taken by the Eco Club to make students aware by making them switch off lights and fans before leaving the college.

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Green Audit Certificates

GOVERNMENT DEGREE COLLEGE, NARSAMPET
WARANGAL DISTRICT- 506 132, TELANGANA STATE.
ISO 9001:2015 Certified, NIRF, ARIIA Participated and NAAC Accredited Institution
Dr. B. CHANDRAMOULI
Principal

Date: ____________

GREEN AUDIT CERTIFICATE

Green Audit has been conducted for the academic year 2020-21 by an external committee constituted by the college Green Audit.

The Committee discussed and suggested a standard model of audit. The model involves water, waste, energy and greenery. The basic data was collected with the help of the students. The data was analyzed and assessed by the external committee and revealed that the environment in the campus is in healthy and hygienic. The committee suggested few recommendations for the protection of the environment.

1. Plant medicinal plants inside the college campus.
2. Estimate the carbon emissions by the vehicles in the college.
3. Organize more environmental awareness programs in the neighboring areas.

Signature of the External Members

1. Head Dept of Botany KU wgl
   Head
   Department of Botany
   Kakatiya University
   Warangal
2.
3. (Dr. M. [illegible])
   Department of Botany
   Kakatiya University
   Warangal - 506009

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1. Increase the greenery by planting more number of trees in the campus.
2. Use energy saving electric devices in the college campus.

Signature of the External Members

1. Head, Dept of Botany, KU Warangal
2. Head, Department of Botany, Kakatiya University, Warangal - 506009
3. (Dr. K. Sunitha) Department of Botany, Kakatiya University, Warangal - 506009

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1. Head, Dept-of Botany K.U.Wgl.
2. Department of Botany Kakatiya University Warangal - 506009
3. (Dr. K. Sreelatha) Department of Botany Kakatiya University Warangal - 506009

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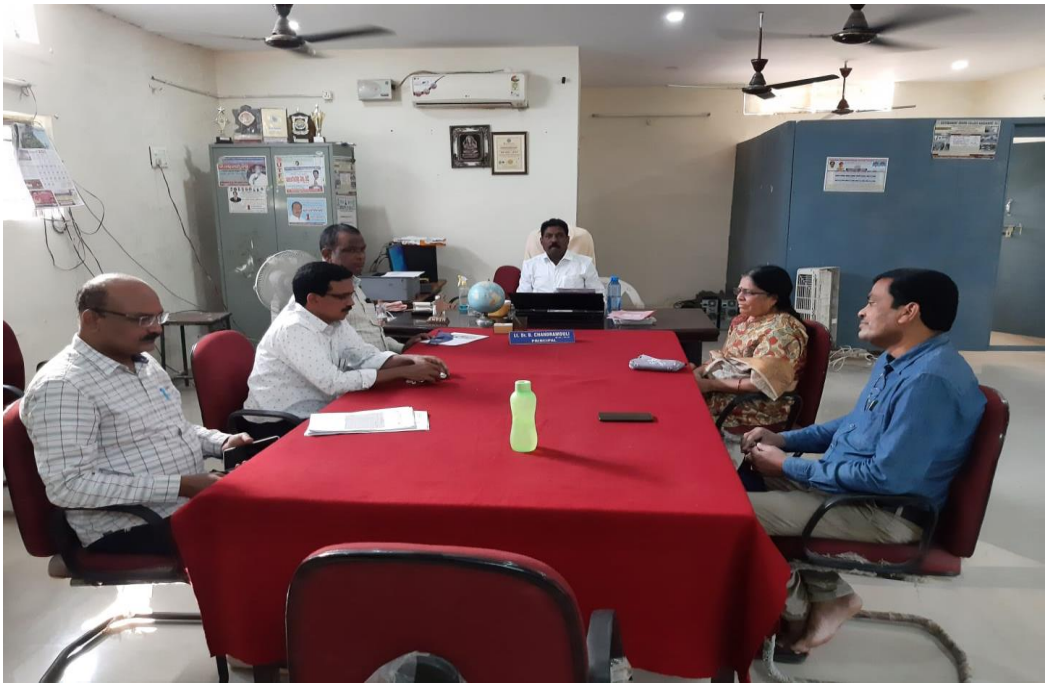
7.1.6 Quality Audits on environment by the institution.

Green Audit in the college Campus by Prof.M. Surekha, Department of Botany, Kakatiya University, Warangal & Md.Mustafa, Associate Professor of Botany, Department of Botany, Kakatiya University,Warangal.

Green Audit in the college Campus by Prof.M. Surekha, Department of Botany, Kakatiya University, Warangal & Md.Mustafa, Associate Professor of Botany, Department of Botany, Kakatiya University,Warangal.

Green Audit in the college Campus by Prof.M. Surekha, Department of Botany, Kakatiya University, Warangal & Md.Mustafa, Associate Professor of Botany, Department of Botany, Kakatiya University,Warangal, and Principal Lt.Dr.B.Chandramouli, College level green Audit committee members.

Green Audit in the college Campus by Prof.M. Surekha, Department of Botany, Kakatiya University, Warangal & Md.Mustafa, Associate Professor of Botany, Department of Botany, Kakatiya University,Warangal, and Principal Lt.Dr.B.Chandramouli, College level green Audit committee members.



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About College | DVV Clarifications | COVID-19 CELL | Institutional Distinctiveness | Vision and Mission | ACADEMIC CALENDAR | NAAC | ALUMNI ASSOCIATION | IQAC | AISHE | Management System | PLAN OF ACTION AND ACHIEVEMENTS | Programme Outcomes | Student Satisfaction Survey | Report of National Confernce January 2020 | ARIIA | Report of National Online FDP July 2020 | Webinks of National Online FDP July 2020 | NIRF 2021 | DEPARTMENTS PROFILE | TEACHERS PROFILE | Achievements of college | NSS Profile | NCC Girls Profile | SRA Undertaking | Statutory Declaration Under RTI Act 2005 | Links of Faculty Online classes | Code of Conduct | TSKC Profile | IIQA | GREEN POLICY

Events

24-01-2020. For details contact Organizing Secretary IQAC Coordinator Dr A. Srinath 9440235529

A One Week Online FDP for Teachers 6th to 11th July 2020

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Notifications

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- UG SEM-I EXAMINATIONS TIME-TABLE SEP 2021 new