

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

College Profile

Name of the College: **S.R.Govt. Arts & Science College**

Address: **Kothagudem, Bhadradri Kothagudem**

Contact Info: **9154806671**

Campus Area **176572 Square Meters**

Built-up Area **4533 Square Meters**

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

Yes

The student and faculty strength of the college:

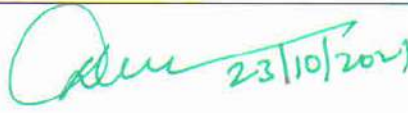

Strength	Male	Female	Total
No of students	308	91	399
No of Teaching Staff	4	8	12
No of Non-Teaching staff	4	4	08

Physical Structure

The available land of the college: 44 acres and _____ Guntas.

The built-up area of the college: 48792.81 Sq.Ft.

No. of Class Rooms	12
No. of Laboratories	06
No. of Conference halls	02
Library Halls	03
Auditorium	01
Canteen	-
Any other (please specify)	-

Objectives :	1.Environmental risk assessment 2.Waste minimization 3. Pollution control plans. 4. The optima utilization of energy, water and other natural resources. 5. Recycling programs and product life cycle considerations. 6. Emergency response plans and procedures.
Prepared by:	Internal Audit Team  23/10/2021
Approved by:	 23/10/2021 PRINCIPAL S.R Govt A & S College KOTAGUDEM, Bhandara Dist
Remarks :	
FORMS AND SUPPORT MATERIAL	
Questionnaire Document ref. name/no.:	
Checklist for Environmental Audit Document ref. name/no.:	
Additional forms and support material:	

Background: The history of an Institution / Organization, including information on the setting and construction plan, environmental practices, known environmental issues from the site and neighbours, previous environmental damage/spill at the site and monitoring records. Any changes made or occurred up to the time of the last audit and future plans for the development. The natural resources used as input, processing of materials

and all finished products (energy, water, raw material use) and wastes including hazardous and toxic wastes.

General Objectives (can be slightly modified according to need of an Institution)

Environmental risk assessment including compliance to regulations, soil, Water, solid and E-wastes, emissions, hazardous products & noise pollution.

Waste minimization and environmental pollution control plans.

The optimal utilization of energy, water and other natural resources.

Recycling programs and product life cycle considerations.

Emergency response plans and procedures.

Protocols used for Environmental Audit

Internal Audit Team Structure: (7+2=9): It comprises Principal as Chairman, IQAC coordinator as Vice-Chairman, Principal of the neighboring college as special invitee, one coordinator from faculty of Botany/Zoology/ Environmental Science and three other members from any faculty interested in environment related activities. College can include two extra invitee members from Forest Department / Pollution control board / Health Department/ etc.

Committee

Chairman: Dr. J. Madhavi

Vice- chairman: K. Havilah, IQAC Co-ordinator

Special Invitee: Dr. Y. Chinappaiah, Principal, GDC Palvancha

Co-ordinator: D. Ramesh, Asst. Professor of Chemistry

Member01: Dr. B. Sridevi, Asst. Professor Of commerce

Member02: Dr. Gouse Shaik, Asst. Professor of Hindi

Member 03: Y. Srinivas Rao, Physical Education

Questionnaire: this is used for acquiring basic information related to different categories to be covered in an institution.

Check List: This is used for providing a detailed listing of all issues to be covered in an institution.

Photographs: A picture speaks 1000 words. Use photographs to support findings and to highlight good practices with geo-tagging.

Comprehensive Methods: The detailed methodology is required for environmental audit and it must be conducted using comprehensive protocols and fixed procedures to ensure collection and documentation of the required data and verification of facts based on the information provided.

Relevant Measures and Standards: The standard measures could be adjusted to be relevant to the organization or activity being audited.

Written Reports: Reports should contain factual observations, reasoning and the documentation of the processes. The Clarity and accuracy should be maintained while presenting the findings with the support of valid and documented evidence.

Evidence verification: The concept of evidence and verification of environmental deficiencies is one of the key elements in an environmental audit. Initially the Internal audit team must verify all procedures, collected data and information through direct field inspection.

Certification and Grading: The External audit team will assess and evaluate the internal audit report and after thorough verification certificate along with grade will be issued.

PROCEDURE		
Procedure	Description	Responsibility
Annual plan	The environmental audit report is prepared by College Authorities each year and it ensures that the entire environmental management system is examined, must specify when the audit was carried out and those responsible for carrying it out.	Internal Environmental audit team/ coordinator
Preparation	<p>The typical questionnaire and checklists are developed for the area to be audited before the actual individual audits are carried out. It is done using established procedures, objectives and action plans. They can be used to measure results in each area.</p> <p>The staff and in charges of the area to be audited should be informed well in advance about when the audit would be done and what it covers.</p>	Internal-audit team
Internal Audit	Based on the questionnaire and checklists, the audit is carried out in the form of interviews / physical visit about - and observations of the actual state of affairs. The Team suggests further changes and correction as and when required.	Internal Audit team

Wrap-up meeting	<p>An audit report is prepared which is examined together with the in-charges responsible for the each area; minor areas are taken care of immediately, while a conclusion for the audit as a whole is written down.</p> <p>Correction reports are examined and corrective action is agreed upon. The internal audit team and the College Management / Principal sign the reports made. Then the reports must be submitted to the CC Office at Hyderabad.</p>	Internal audit team
Follow-up	<p>When deadlines for corrective action are reached, the Coordinator responsible for the area audited is contacted and the environmental manager checks the corrective action carried out. If corrective action is effective, the case is closed. If not, a new report is prepared.</p>	Coordinator
Reporting	<p>A comprehensive joint report is prepared on the basis of all the internal environmental audits of the college. This report forms the basis for certification and grading by the external audit team and it holds the authority to review the entire report.</p>	External Audit team/ Principal/ IQAC coordinator

AUDITING FOR WATER MANAGEMENT

1. List out uses of water in your college.

Drinking, Plants, Labs, Toilets,

2. What are the sources of water in your college?

Ground water,

3. How many wells are there in your college?

2 borewells

4. No. of motors used for pumping water from each well?

2

5. What is the total horse power of each motor?

3HP

6. What is the depth of each well?

160ft

7. What is the present depth of water in each well?

15ft

8. How does your college store water?

Overhead Tank

9. Quantity of water stored in your overhead water tank? (In liters)

2000Ltr

10. Quantity of water pumped every day? (In liters)

200Ltr

11. If there is water wastage, specify why.

No

12. How can the wastage be prevented / stopped?

No

13. Locate the point of entry of water and point of exit of waste water in your College.

North side of Ganga Block, Exit of waste water is western Direction of Ganga Block

14. Where does waste water come from?

Toilets, Labs

15. Where does the waste water go?

Ground

16. What are the uses of waste water in your college?

Nil

17. What happens to the water used in your labs? Whether it gets mixed with ground water? .-

Released to outside, Yes

18. Is there any treatment for the lab water?

NO

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.

Good pipes & Plumbing, Sign boards, care taker from students

21. Record water use from the college water meter for six months.

No Meter

22. Bimonthly water charges paid to water connections if any -

No

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? -

15, 20L

25. No. of bath rooms in staff rooms, common, hostels. Amount of water used per day?

04

26. No. of toilet, urinals. Amount of water used per day?

4,800lts

27. No. of water taps in the canteen. Amount of water used per day?

No

28. Amount of water used per day for garden use. -

100Ltrs.

29. No. of water taps in laboratories. Amount of water used per day in each lab?

3 Taps

30. Total use of water in each hostel? -

No Hostel

31. At the end of the period, compile a table to show how many liters of water have been used in the college for each purpose -

Graden-500ltrs

Toilets-1000Ltrs

Labs-50Ltrs

32. Is there any water used for agricultural purposes? -

No

33. Does your college harvest rain water?

Yes

34. If yes, how many rain water harvesting units are there? (Approx. amount)

2

35. How many of the taps are leaky? Amount of water lost per day?

Nil

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? -

NA

40. Is drip irrigation used to water plants outside? YES/NO

No

41. How often is the garden watered? -

Every day

42. Quantity of water used to watering the ground? -

500 Ltrs

43. Quantity of water used for bus cleaning? (Liters per day) -

NA

44. Amount of water for other uses? (Items not mentioned above) -

Nil

45. Area of the college land without tree/building canopy.

2.5 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?

Yes

48. Please share Some IDEA for how your college could save more water.

-By using quality pipes, drip watering, sign boards, to turn off taps.

AUDITING FOR ENERGY MANAGEMENT

1. List ways that you use energy in your college. (Electricity, electric stove, kettle, microwave, LPG, firewood, Petrol, diesel and others).

Electricity

2. Electricity bill amount for the last year

Rs. 84,562/-

3. Amount paid for LPG cylinders for last one year

Nil

4. Weight of firewood used per month and amount of money spent? Also mention the amount spent for petrol/diesel/ others for generators?

Nil

5. Are there any energy saving methods employed in your college? If yes, please specify. If no, suggest some.

Yes (LED Bulbs)

6. How much money does your college spend on energy such as electricity, gas, firewood, etc. in a month? -

Rs. 9000/-

7. How many CFL bulbs has your college installed? Mention use (Hours used/day for how many days in a month) –

Nil

8. Energy used by each bulb per month? (For example- 60 watt bulb x 4hours x number of bulbs = Kwh). 9. How many LED bulbs are used in your college? Mention the use (Hours used/day for how many days in a month) –

NA

10. Energy used by each bulb per month? (kWh). **-NA**

11. How many incandescent (tungsten) bulbs have your college installed? Mentions use (Hours used/day for how many days in a month) **Nil**

12. Energy used by each bulb per month? (kWh). **-NA**

13. How many fans are installed in your college? Mention use (Hours used/day for how many days in a month) –

214 (6hrs/day,25 days)

14. Energy used by each fan per month? (kWh). -

15. How many air conditioners are installed in your college? Mention use (Hours used/day, for how many days in a month) –

Nil

16. Energy used by each air conditioner per month? (kWh). -

Nil

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) –

50 (16 days in a month)

18. Energy used by each electrical equipment per month? (kWh). -

19. How many computers are there in your college? Mention the use (Hours used/day for how many days in a month) –

90 (5hrs/day for 25 days)

20. Energy used by each computer per month? (kWh). -

18

21. How many photocopiers are installed by your college? Mention use (Hours used/day for how many days in a month). -

04 (4hrs/day for 25 days)

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) -

NA

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) -

Inverters -5 (5 days in a month)

25. Energy used by each inverter per month? (kWh). -

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) -

50 (16 days in a month)

27. Energy used by each equipment per month? (kWh) -

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? -

NIL

31. Energy used by each street light per month? (kWh) -

NIL

32. No of TV in your college and hostels? -

NIL

33. Energy used by each TV per month? (kWh) -

NIL

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?

Yes

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?

Yes

39. What are the energy conservation methods adapted by your college? -

40. How many boards displayed for saving energy awareness? -

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. -

Calculation of energy for electrical appliances Appliance Power used in (watt)
Usage per day (hours) Number of appliances Average kWh per day (Watt X
hours X Number X 1000) Average kWh per month (Watt X hours X Number
X 1000 x 30) Incandescent bulb 60 watt CFL 18 W Microwave 1000W Stove
3000W Kettle 2500W

AUDITING FOR WASTE MANAGEMENT

What is the total strength of students, teachers and Non-teaching staff in your College? **399,12,8**

No. of Students; No. of Teachers; No. Non-teaching staff; Gents - Ladies
Total $308+91=399$, $4+8=12$, $4+4=8$

Which of the following are available in your College? -

Give area occupied, Garden area and Garbage dump (number) -

Garden area -1

Playground area, Laboratory, Kitchen, Canteen, Toilets (number)
Car/scooter shed area

Play Ground area-1

Laboratory-1

Toilets-4

Scooter shed area-1

Number of class rooms, Office rooms and others (specify)

Class room-12, office room-1, Labs-5

Which of the following are found near your college? Mark the level of disturbance it creates for the college in a scale of 1 to 9. -

Municipal dump yard -No

Garbage heap -No

Public convenience Sewer line -

Stagnant water -No

Open drainage Industry – (Mention the type) -No

Bus / Railway station Market / shopping complex / public halls -

NA

WASTE

Does your college generate any waste? If so, what are they?

Soid waste, Liquid waste

How much quantity?

Solid waste 5 to 6 kgs per month

Number or weight E-waste Hazardous waste (toxic)

Nil

Solid waste -**Paper**

Dry leaves -**40 to 50 Kgs per month**

Canteen waste -**Nil**

Liquid waste - **Water**

Glass -Nil

Unused equipment -**Yes**

Medical waste if any -**Nil**

Napkins Others (Specify) **Yes**

Is there any waste treatment system in the college? -**NIL**

Is there any treatment for toilet/urinal/sanitary napkin waste? - **NIL**

1 What is the approximate quantity of waste generated per day? (in Kilograms) Office Laboratories Canteen/kitchen

500g per day

2 Why waste is a problem? -

3 Whether waste is polluting ground/surface water? How? -

No

4 Whether waste is polluting the air of the college? How? -

No

5 How is the waste generated in the college managed? Methods 1 Composting 2 Recycling 3 Reusing 4 Others (specify)

4. Solid waste collected by Municipality

6 How many separate boxes do you think you would need to put into a classroom to start a waste segregation and recycling campaign?

2 boxes

What should be the use for each box? (Develop a Colour code with reasons)
wet(Green), Dry (Blue)

7 Do you use recycled paper in College?

No

8 Is there any waste wealth program practiced in the college?

NO

Approx. Bio degradable Non-Bio degradable Hazardous Others < 1 kg. 2 - 10 kg. > 10 kg.

Approx. Bio degradable Non-Bio degradable Hazardous Others < 1 kg. 2 - 10 kg. > 10 kg.

Approx. Bio degradable Non-Bio degradable Hazardous Others < 1 kg. 2 - 10 kg. > 10 kg.

9 How would you spread the message of recycling to others in the community? Have you taken any initiatives? If yes, please specify.

NO

10 Can you achieve zero garbage in your college? (Reduce, Recycle, Reuse, Refuse) If yes, how?

NO

AUDITING FOR GREEN CAMPUS MANAGEMENT

1. Is there a garden in your college? Area?

Yes 2 acres

2. Do students spend time in the garden?

Yes

3. List the plants in the garden, with approx. numbers of each species.

1. Neolamarkia cadamba-8

2. Tectona grounds -20

3. Pongania pinnata -150

4. Syzigium jumbolinum-23

5. Emblica officinalis -22

6. Azadirachta indica -12

7. Polyalthia longifolia-16

8. Annona squamosa -05

9. Senna auriculata -12

10. Swietenia mahagani -6

4. Suggest plants for your campus. (Trees, vegetables, herbs, etc.)
-Mentioned above

5. List the species planted by the students, with numbers. - **Mentioned above**

6. Whether you have displayed scientific names of the trees in the campus?
YES

7. Is there any plantations in your campus? If yes specify area and type of plantation.

NO

8. Is there any vegetable garden in your college? If yes how much area?

NO

9. 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)

NO

11. How much water is used in the vegetable garden and other gardens? (Mention the source and quantity of water used). -

500 Ltrs

12. Who is in charge of gardens in your college? -

D. Ramesh, Assistant Professor of botany

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?

Yes. Using for garden.

17. What do you doing with the vegetables harvested? Do you have any student market?

NIL

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. -

20. Any threatened plant species planted/conserved?

NO

21. Is there a nature club in your college? If yes what are their activities?

NO

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.

NO

24. Is there any groves in your college? If yes details of the trees planted.

NO

25. Is there any irrigation system in your college? **NO**

26. What is the type of vegetation in the surrounding area of the college?

Reserve Forest

27. What are the nature awareness programmes conducted in the campus?

Harithaharam importance

28. What is the involvement of students in the green cover maintenance?

Students participate in harithaharam

29. What is the total area of the campus under tree cover? Or under tree canopy?

24Acres

30. Share your IDEAS for further improvement of green cover. Plantation

AUDITING FOR CARBON FOOTPRINT

1. What is the total strength of students and teachers in your College?

308+91=399, 4+8=12, 4+4=8

No. of Students No. of Teachers No. of Non-teaching staff Gents Ladies Total

2. Total Number of vehicles used by the stakeholders of the college. (per day)

20

3. No. of cycles used

Nil

4. No. of two wheelers used (average distance travelled and quantity of fuel and amount used per day)

03

5. No. of cars used (average distance travelled and quantity of fuel and amount used per day)

Nil

6. No. persons using common (public) transportation (average distance travelled and quantity of fuel and amount used per day)

40KM

7. 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

8. Number of parent-teacher meetings in a year? Parents turned up (approx.) –

1

9. Number of visitors with vehicles per day?

20

10. Number of generators used per day (hours). Give the amount of fuel used per day.

NIL

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. –

Rs. 1000/-

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. –

Using Bicycles & Electric Auto mobiles

18. Are the Rooms in Campus are Well Ventilated? Yes/No -

Yes

91. Window Floor ratio of the Rooms Good/Not Enough -

Good

Carbon Footprint - Report

Petrol used by two wheelers/day-10L

(Per person to and fro 40 Kms=1L) Fuel used by four wheelers-NiL

(Per person to and fro 40 Kms=2L) Fuel for persons (total 35 persons) travelling by common-70L

Total fossil fuel use is NIL

Total fuel cost per day for transportation =Rs. 4,900/-

Cost of stakeholder transportation per month - Rs.1, 07,800/-

1. Water management

SL NO	PARAMETERS	Response	Remarks
1	Source of water	Ground water	
2	No. of Wells	02	
3	No. of motors used	2	
4	Horse power - Motor	3hp	
5	Depth of well -Total	320ft	
6	Water level	15ft	
7	Number of water tanks	2	
8	Capacity of tank	1000L	
9	Quantity of water pumped every day	2000Lts	
10	Any water wastage/why?	-	
11	Water usage for gardening	500 Ltr	

12	Waste water sources	Nil	
13	Use of waste water	Nil	
14	Faith of waste water from labs	No	
15	Whether waste water from labs mixed with ground water	No	
16	Any treatment for lab water	-	
17	Whether any green chemistry method practiced in labs	yes	
18	No. of water coolers	2	
19	Rain water harvest available?	Yes	
20	No. of units and amount of water harvested		
21	Any leaky taps	-	
22	Amount of water lost per day	-	
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)	-	-	6-8
Acidity (mg/l)	-	-	200
Alkalinity (mg/l)	49	-	200
Chloride (mg/l)	38	-	250
Hardness (Total)	51	-	200
Conductivity (μ s)	198.6	-	
Ph.	5.74	-	6.5-8.5
Total Dissolved Solids (ppm)	132.4	-	500
Salinity (ppt)	-	-	-
Total coliform	-	-	0
Fecal coliform	-	-	0

**Water Quality analysis (Biological) report of college – II
(with Photographic evidence)**

S.No	Parameter/ WHO permissible level	Zooplankton (No of Samples/Sites)	Methodology
1	Protozoan (Ciliates)	Paramecium	Microscopic
2	Rotifers		Observation
3	Ostracods	-	-
4	Insect Larvae	Mysis, Zoea	Microscopic
5	Water Fleas	Cyclops, Daphnia	Observation
6	Bivalves	-	-
7	Snails	-	-
8	Mussels	-	-
9	Any Other (Specify)	-	-

**Water Quality analysis (Biological) report of college – II (with
Photographic evidence):**

S.No	Phytoplanktons	Scientific Name and number	Methodology
1	Diatoms (Bacillariophyceae)	-	-
2	Dinoflagellates (Dinophyceae)	-	-
3	Coccolithophores (Prymnesiophyceae)	-	-
4	Green algae (Chlorophyceae)	Oedogonium, Chlamydomonas	Microscopic observations
5	Cyanobacteria (earlier Blue-green algae)	-	-
6	Others (specify)	-	-

1. ENERGY AUDIT

S.No	Electrical device/ items	Number	Power(W)	usage time (hr/day)
1	Tube light	214	8132	4
2	Fans	146	1460	4
3	LED Tube	10	90	4
4	Projector	5	1400	1
5	Computers	50	12500	4
6	Printers	12	720	2
7	Xerox machine	1	650	1
8	Laptop	1	50	1
9	UPS	3	3000	4
10	CCTV	14	140	24
11	Speakers	2	10	
12	Lab equipment	50	1500	1

2. Waste management

Approximate quantity of waste generated per day (in kg)

Office				
Approx.	Biodegradable	Non -Biodegradable	Hazardous	Others
<1Kg	1Kg	NA	NA	NA
2-10Kg				
>10Kg				

Laboratories				
Approx.	Biodegradable	Non - Biodegradable	Hazardous	Others
<1Kg				0.5Kg
2-10Kg	NA	NA	NA	NA
>10Kg				

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

How the waste generated in the college is managed?

A)Composting/ Vermicomposting	Yes/ No	Remark
B)Recycling	No	
C)Reusing	No	
D)Other ways	No	

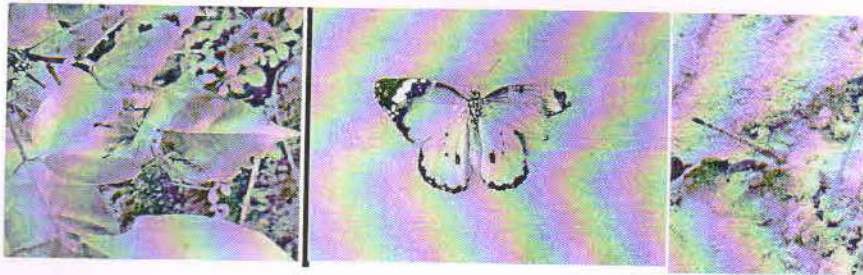
Waste generated in the college?

E-waste		Yes
Hazardous waste	No	
Solid waste	Yes	
Dry leaves	Yes	
Canteen waste	No	
Liquid waste	Yes	
Glass		No
Unused Equipment	Yes	
Napkins		Yes
Others (specify)		

Do you use recycled paper in college?	No
Any waste management methods used?	No

Faunal diversity in college campus (with Photographic evidence)

Faunal group	Scientific name	Number (If enumeration is done)	Seasonality
Spiders	Araneae	2	Always
Moths & butterflies	Rhopalocera	4	Rainy season
Other insects: (Dragon Flies, Bees, Wasps, Bugs, and Beetles etc..)	Dragan fly Tea Tussock	5 8	Rainy Season
Annelids	Nereis	2	Rainy Season
Other Arthropods	Scorpion	4	Always
Amphibians	Bufo, Rana	6	Always
Reptiles	Lizard	8	Always
Birds	Psittacella	6	Always
Mammals	Monkey	20	Always
Any other (specify)	Squirrels	4	Always



**Air quality Determination:
Air Quality Index (parameters studied/recorded/ Seasonal):**

NO ₂	17.4 µg/m ³
NO	
O ₃	3.9 µg/m ³
PM2.5	36.0 µg/m ³
PM10	77.0 µg/m ³ ,
CO	
Humidity	76%
Barometric Pressure	1014.0 hPa
Wind Speed	2.59 m/s
Wind Direction	20.0 degrees
Sun Rise	6.00am
Sun Set	5.50PM

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	10	50.1	81.9	65.8
2	Canteen	-	-	-	-
3	Play.ground	20	45.7	80.1	53.0
4	Auditorium	10	34.5	79.7	68.5
5	Science Block	10	58.3	77.0	63.6
6	Any Other (Specify)	10	48.9	83.3	67.0

J. Madhava
 Principal 23/10/2021
PRINCIPAL
 S.R Govt A & S College
 KOTNAGUDEM, Kadapa Dist