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Executive Summary


Green Audit is an official examination of the effects a campus has on the Environment. It helps to Improve the Existing Practices with the aim of reducing the adverse effects of these on the environment concerned. It brings a systematic documented report . A Clean and healthy environment aids effective learning in conducive Environment.

Green Audit is useful for our college to determine how effectively the natural resources are being utilized without harming to the natural. It can create health consciousness and promote environmental awareness ,values, ethics. It Provides Staff and Students better understanding of Green impact on Campus .Green auditing promotes financial savings through reduction of resources use. It gives an opportunity for the development of ownership, personal and social responsibility for the students and Teachers. The role Higher Education Institution in relation to environmental sustainability is more relevant, As environmental sustainability is an important issue for the nation.

The audit process in Dr.BRR Govt. College started with formation of students groups for each environmental issues such as water, Solid waste, Plants, Energy ,Sound, with one supervisor from the staff. Questioners is prepared for each environmental issue and students and staff are trained to collect the data. The data will be summed up after its collection.

The data prepared by the Internal audit committee is useful as a tool for campus greening,resoures management,planing of future projects and a document for implementation of sustainable development of the College. The data will identify areas in need of improvement and priorities for the implementation of future Projects .The green audit report assist in the process of attaining an eco friendly approach to the suitable development of the college. It will serve as a guide for the educating the college community on exciting environmental related practices and usage of resources at the college level'

The college can consider the suggestion and recommendations given by audit team for effective utilization of natural resources and is committed to implement the Green audit recommendations. I am happy to submit the green audit report to higher authorities


Principal
Dr BRR Govt. College
Dr.BRR Govt. College, Madcherla

College Profile:

Name of the College: **Dr.BRR Government College**

Address: **Kalwakurthy Road,Signal Gadda,Jadcherla,Mahabubnagar (Dist).**

Contact Info: 96768997279

Campus Area: **15.17 Acres**

Built up Area: **65340 sqft / 7260 Sqyd**

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

Physical Structure:

The Available land of the College 15 Acres and 17 Guntas.

The built-up area of the College 65340 Sq.Ft

| | |
|-------------------------|----|
| No. Of Class Rooms | 27 |
| No. Of Laboratories | 14 |
| No. of Conference halla | 01 |
| Library Halls | 04 |
| Auditorium | 01 |
| Canteen | 01 |

| | |
|---|---|
| <p>Objectives:</p> | <p>1. Observations on the areas such as water quality, Solid waste management, Plantation, Energy Management Etc..</p> <p>2. Assessment of quantity of water usage and water wasting management and through this planning for optimal utilization of water.</p> <p>3. Assessment of waste generated in the college and its recycling and through this planning of minimization of waste,.</p> <p>4. Assessment of Green campus Management in the campus and through this planning for greenery development.</p> <p>5. Assessment of carbon foot print in the campus and planning for the reduction of environmental pollution.</p> <p>6. Assessment of sound management in the campus and through this planning for minimization of the sound .</p> <p>7. Assessment of Energy Management in the campus and through this planning for optimal utilization of energy</p> <p>8. Identification of Gap Areas and provision of Suggestions and recommendations.</p> |
| <p>Prepared By:</p> | <p>Internal Environmental Audit Team</p> |
| <p>Approved By:</p> | <p>Principal and IQAC Coordinator</p> |
| <p>Remarks:</p> | <p>-</p> |
| <p>FORMS AND SUPPORT MATERIAL</p> | |
| <p>Questionnaire Documents such as electricity bills and water bills</p> | |
| <p>Checklist for Environmental Audit</p> | |

AUDITING FOR WATER MANAGEMENT

1. List out uses of water in your college.
 1. Science Labs
 2. Drinking Water
 3. Wash rooms
 4. Hostels
 5. Telangana Botanical Garden

2. What are the sources of water in your college?
 - Bore wells
 - College 01
 - Hostel 01
 - Telangana Botanical Garden 01
3. How many wells are there in your college?

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

03
5. What is the total horse power of each motor?

03 (1- 1HP, 2-1.5HP)
6. What is the depth of each bore well?

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

100 Feet
8. How does your college store water?

In 2 Ponds
9. Quantity of water stored in your overhead water tank? (In liters)
 - 3X2000Liters.
 - 3X1000 Liters
 - 1X500 Liters

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

2500 Liters per day
11. If there is water wastage, specify why

RO Plant
12. How can the wastage be prevented / stopped?

Used to watering the plants
13. Locate the point of entry of water and point of exit of waste water in your College.

14. Where does wastewater come from?

RO Plant and Wash rooms
15. Where does the wastewater go?

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

To Watering the Plants
17. What happens to the water used in your labs? Whether it gets mixed with groundwater?

Send to Water harvesting pits.
18. Is there any treatment for the lab water?

No

19. Whether green chemistry methods are practiced in your labs?
No
20. Write down four ways that could reduce the amount of water used in your college.
1. Check toilets for leakage
 2. Put a plastic bottle in your toilet
 3. Turn off the tap after use.
 4. Use, less water in the garden and while cleaning
21. Record water use from the college water meter for six months.
Nil
22. Bimonthly water charges paid to water connections if any
Nil
23. No. of water coolers. Amount of water used per day? (in liters)
No
24. No. of water taps. Amount of water used per day?
59, 1500 Liters/day
25. No. of bath rooms in staff rooms, common, hostels. Amount of water used per day?
06, 02,10 Respectively 3000 Liters/day
26. No. of toilets, urinals. Amount of water used per day?
17, 09. 1000 Liters/day
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.
8 hours. 16000 Liters/day
29. No. of water taps in laboratories. Amount of water used per day in each lab?
Chemistry-18, Botany-02, Zoology-03, Physics-03 and Microbiology-06
30. Total use of water in each hostel?
4000 Liters/day
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
32. Is there any water used for agricultural purposes?
Yes
33. Does your college harvest rainwater?
Yes
34. If yes, how many rain water harvesting units are there? (Approx. amount)
01
35. How many of the taps are leaky? Amount of water lost per day?
No
36. Are there signs reminding people to turn off the water? Yes / No
Yes
37. Are there any waterless toilets?
No
38. How many water fountains are there?
01
39. How many water fountains are leaky?
No
40. Is drip irrigation used to water plants outside? YES/NO
Yes
41. How often is the garden watered?
Twice a Day
42. Quantity of water used to water the ground?
Nil

43. Quantity of water used for bus cleaning? (Liters per day)
Nil
44. Amount of water for other uses? (Items not mentioned above)
Nil
45. Area of the college land without tree/building canopy.
5 Acres 20 Guntas
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?
No
48. Please share some IDEA for how your college could save more water.
1. Set up a water action plan
 2. Engage with everyone.
 3. Repair water leaks.
 4. Go low-flow.
 5. Focus on toilets.

Results of water quality

| Parameters | Bore well water | Municipal Tap Water | Standard Value(BIS) |
|-----------------------------|-----------------|---------------------|---------------------|
| Dissolved Oxygen(mg/l) | 5.8 | 8.9 | 6-8 |
| Acidity (mg/l) | 8.2 | 7.0 | 200 |
| Alkalinity(mg/l) | 8.0 | 7.0 | 200 |
| Chloride(mg/l) | 180 mg/l | 127 mg/l | 250 |
| Hardness(Total) | - | - | 200 |
| Conductivity(ms) | 100-200 ppm | 10-50 ppm | |
| PH | 600 | 150 | 6.5-8.5 |
| Total Dissolved Solids(ppm) | Nil | | 500 |
| Salinity(ppt) | Nil | Nil | 0 |
| Total Coliform | Nil | Nil | 0 |
| Fecal coliform | Nil | Nil | 0 |

**Water Quality Analysis (Biological) Report of College
(Faunal Report)**

| S. No. | Parameter | Zooplankton | Methodology |
|--------|---------------|---|----------------------|
| 1. | Protozoan | Amoeba, Paramecium, Euglena | Enumeration not done |
| 2. | Rotifers | Keratela tropica Brachionus Cladocera | |
| 3. | Ostracods | Copipods | |
| 4. | Insect larvae | Wrigglers larvae | |
| 5. | Water Fleas | Daphnia | |
| 6. | Bivalves | Fresh water mussel | |
| 7. | Snails | Pila | |
| 8. | Mussels | Lamellidens | |
| 9 | Any other | Scolepeldra, Scorpion, Julus | |

**Water Quality Analysis (Biological) Report of College
(Floral Report)**

| S. No. | Phytoplanktons | Scientific name | Methodology |
|--------|-----------------|---|----------------------|
| 1. | Diatoms | Synendra Navicula Pinularia Cymbella | Enumeration not done |
| 2. | Dinoflagellates | Perridinium Ceratum Gymnodinium | |
| 3. | Chlorophyceae | Scenedesmus Oocystis Pediastrum | |
| 4. | Cynophyceae | Oscillatoria Anabaena Chroococcus | |

AUDITING FOR ENERGY MANAGEMENT

1. List ways that you use energy in your college. (Electricity, electricstove, kettle, microwave, LPG, firewood, Petrol, diesel and others).
 - Electricity
 - LPG
2. Electricity bill amount for the last five years
 - 2017-2018 : Rs. 63045
 - 2018-2019 : Rs.268890
 - 2019-2020 : Rs. 118297
 - 2020-2021 : Rs. 183361
 - 2021-2022: Rs. 312917
3. Amount paid for LPG cylinders
 - Rs. 3000/-
4. Weight of firewood used per month and amount of money spent? Also mention the amount spent for petrol/diesel/ others for generators?
 - Not Applicable
5. Are there any energy saving methods employed in your college? If yes, please specify. If no, suggest some.
 - Solar Plant is Installed in May-2021 to use Solar Energy to reduce power consumption
6. How much money does your college spend on energy such as electricity, gas, firewood, etc. in a month?
 - Rs. 25,000/-
7. How many CFL bulbs has your college installed? Mention use (Hours used/day for how many days in a month)
 - 14 CFL Bulbs are installed, 4 Hours/Day, 25 Days a Month
8. Energy used by each bulb per month? (For example- 60 watt bulb x 4 hours x number of bulbs = Kwh).
 - 1.4 KWH
9. How many LED bulbs are used in your college? Mention the use (Hours used/day for how many days in a month)(kWh).
 - 51 LED Bulbs are installed, 3 Hours/Day, 20 Days a Month

10. Energy used by each bulb per month? (kWh).
 - 0.54 KWH
11. How many incandescent (tungsten) bulbs have your college installed?Mentions use (Hours used/day for how many days in a month)
 - 9 Bulbs are Installed, 2 Hours/Day, 20 Days a Month
12. Energy used by each bulb per month? (kWh).
 - 2.4 KWH
13. How many fans are installed in your college? Mention use (Hoursused/day for how many days in a month)
 - 225 Fans are Installed, 2 Hours/Day, 20 Days a Month
14. Energy used by each fan per month? (kWh).
 - 2.4 KWH
15. How many air conditioners are installed in your college? mention use(Hours used/day, for how many days in a month)
 - 10 AC's are Installed, 1 Hours/Day, 10 Days a Month
16. Energy used by each air conditioner per month? (kWh).
 - 15KWH
17. How many electrical equipment including weighing balance are installed your college? Mention the use (Hours used/day for how manydays in a month}
 - Listed in the Energy Audit consolidation report
18. Energy used by each electrical equipment per month? (kWh).
 - Listed in the Energy Audit consolidation report
19. How many computers are there in your college? Mention the use(Hours used/day for how many days in a month)
 - 143 computers are Installed, 2 Hours/Day, 18 Days a Month
20. Energy used by each computer per month? (kWh).
 - 8.28 KWH
21. How many photocopiers are installed by your college? Mention use(Hours used/day for how many days in a month).
 - 3 photocopiers are Installed, 2 Hours/Day, 15 Days a Month
 -

22. How many cooling apparatus are in installed in your college? Mention use (Hours used/day for how many days in a month)
- 5 Refrigerators are Installed, 24 Hours/Day, 30 Days a Month
23. Energy used by each cooling apparatus per month? (kWh) Mention use (Hours used/day for how many days in a month)
- 108 KWH
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? Mention use (Hours used/day for how many days in a month)
- Photocopiers: 19.5 KWH
 - Printers cum Scanners : 7.5 KWH
 - 15 inverters are Installed, 6 Hours/Day, 15 Days a Month
 - 5 Printers cum scanners, 1 Hour/ Day, 10 Days a Month
25. Energy used by each inverter per month? (kWh).
- 90 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)
- 4 Distillation Units, 1 Hour/Day, 10 Days a Month
 - 6 Centrifuge, 1 Hour/Day, 10 Days a Month
 - 4 Oven's, 1 Hour/Day, 10 Days a Month
27. Energy used by each equipment per month? (kWh)
- Distillation Unit: 10 KWH
 - Centrifuge: 8.5 KWH
 - Oven: 15 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)
- Not Applicable
30. No of street lights in your college?
- Nil

31. Energy used by each street light per month? (kWh)
- Not Applicable
32. No of TV in your college and hostels?
- 2 TV's are Installed, 1 Hours/Day, 5 Days a Month
33. Energy used by each TV per month? (kWh)
- 0.2 KWH
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)
- Listed in the Energy Audit consolidation report
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.
- Solar Energy is used from May-2021
36. Do you run "switch off" drills at college?
- Yes
37. Are your computers and other equipment put on power-saving mode?
- Yes, The Computers changes to Power Saving Mode automatically when not in use
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?
- Solar Energy is being used
 - LED Lights are installed
 - Lights, Fans & Electronic Devices are turned off when not in use.
40. How many boards displayed for saving energy awareness?
- 02
41. How much ash is collected after burning fire wood per day in the canteen?
- Not Applicable
42. Write a note on the methods/practices/adaptations by which you can reduce the energy use in your college campus in future.

- The College has installed Solar Power Plant as an alternative source of energy in a way to reduce energy consumption

Dr BRR GOVT. College- Jadcherla

Energy Audit Consolidated Report

| | Electrical Appliance/ Instrument | Number | Power (W)/ unit | Total Power (W) | K.W | Hours used/ day | KW/ Hr | No.of Days in a Month | Total Consumption/ Month (KWH) |
|----|---|--------|-----------------------|-----------------------|-------|-----------------------|-----------|--------------------------------|---|
| 1 | CFL bulbs | 14 | 14 | 196 | 0.196 | 4 | 0.784 | 25 | 19.6 |
| 2 | Tube | 258 | 40 | 10320 | 10.32 | 3 | 30.96 | 20 | 619.2 |
| 3 | LED bulbs | 51 | 9 | 459 | 0.459 | 3 | 1.377 | 20 | 27.54 |
| 4 | LED Tube | 8 | 24 | 192 | 0.192 | 3 | 0.576 | 25 | 14.4 |
| 5 | Incandescent (tungsten) bulbs | 9 | 60 | 540 | 0.54 | 2 | 1.08 | 20 | 21.6 |
| 6 | Fans | 225 | 60 | 13500 | 13.5 | 2 | 27 | 20 | 540 |
| 7 | Exhaust Fans | 9 | 35 | 315 | 0.315 | 2 | 0.63 | 21 | 13.23 |
| 8 | Amplifiers | 1 | 200 | 200 | 0.2 | 1 | 0.2 | 10 | 2 |
| 9 | Air conditioners | 10 | 1500 | 15000 | 15 | 1 | 15 | 10 | 150 |
| 10 | LCD Projectors | 6 | 280 | 1680 | 1.68 | 2 | 3.36 | 10 | 33.6 |
| 11 | Electrical equipment including weighing balance | 22 | 10 | 220 | 0.22 | 1 | 0.22 | 10 | 2.2 |
| 12 | Laptops | 3 | 50 | 150 | 0.15 | 2 | 0.3 | 10 | 3 |
| 13 | Computers/Desktops | 143 | 230 | 32890 | 32.89 | 2 | 65.78 | 18 | 1184.04 |
| 14 | Photocopiers/ Photostat Machines | 3 | 650 | 1950 | 1.95 | 2 | 3.9 | 15 | 58.5 |
| 15 | Scanners | 2 | 50 | 100 | 0.1 | 2 | 0.2 | 21 | 4.2 |
| 16 | Refrigerators | 5 | 150 | 750 | 0.75 | 24 | 18 | 30 | 540 |
| 17 | UPS/ Inverters | 15 | 1000 | 15000 | 15 | 6 | 90 | 15 | 1350 |

| | | | | | | | | | |
|------------------|-----------------------|----|-------|-------|-------|---|-------|----|----------------|
| 18 | Printers cum Scanners | 5 | 750 | 3750 | 3.75 | 1 | 3.75 | 10 | 37.5 |
| 19 | Printers | 13 | 750 | 9750 | 9.75 | 1 | 9.75 | 10 | 97.5 |
| 20 | Table Fans/ Wall Fans | 10 | 55 | 550 | 0.55 | 2 | 1.1 | 10 | 11 |
| 21 | Oven | 4 | 1500 | 6000 | 6 | 1 | 6 | 10 | 60 |
| 22 | Distillation Unit | 4 | 1000 | 4000 | 4 | 1 | 4 | 10 | 40 |
| 23 | Centrifuge | 6 | 850 | 5100 | 5.1 | 1 | 5.1 | 10 | 51 |
| 24 | Generators | 1 | 15000 | 15000 | 15 | 1 | 15 | 4 | 60 |
| 25 | Number of TV's | 2 | 40 | 80 | 0.08 | 1 | 0.08 | 5 | 0.4 |
| 26 | Podium | 1 | 60 | 60 | 0.06 | 2 | 0.12 | 10 | 1.2 |
| 27 | Speakers | 4 | 50 | 200 | 0.2 | 2 | 0.4 | 10 | 4 |
| 28 | Home Theatre | 1 | 55 | 55 | 0.055 | 1 | 0.055 | 5 | 0.275 |
| Total KWH | | | | | | | | | 4940.51 |

Solid waste Management

1. Is there any waste management treatment system in the college?

Ans: No

2. Why waste is a Problem?

Ans: Waste is not always a problem, the way we treat leads to problem. The waste should always be treated, re-used, re-cycled and reduced to keep our environment safe and clean.

3. Whether waste is a is polluting ground / surface?

Ans: In our college we are avoiding pollution from waste as we are re-cycling most of the waste produced in the college.

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

Ans: No, We are not producing air pollutants and we are having five acre Telangana Botanical Garden and one acre KCR arboretum and full green cover. Hence we are having good air quality in our campus.

5. How is the waste generated in the college managed?

Ans:

Methods:

- a. **Composting:** Yes we are having vermicompost pits and green waste is composted
- b. **Recycle:** We are giving the plastic waste(used pens) and paper waste for recycling.
- c. **Re-using:** We are re-using the plastic tubs, earthen Tea cups, broken buckets and other bins for planting purposes, seedling raising, snake catching etc.,

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

Ans: We need at least two per class room

- 1- For plastic waste like pens.
- 2- For Paper waste.

7. Do you use recycled paper in college?

Ans: Yes.

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

Ans: Yes, We give plastic waste and paper waste to the waste buyer and remit the amount into CPDC Account.

9. How would you spread the message of recycling to others in the community?

Ans: By the way of practicing we are showing the way to community. The students also follow the methods in their lives at their homes.

10. Can you achieve zero garbage in your college?

- Ans:
1. We are trying to reduce the usages of paper by e-office.
 2. We are recycling the paper to a maximum extent by giving it to recyclers.
 3. We are reusing the one side used papers, plastic bins, earthen tea cups and buckets for the purpose of printing, seedling growth in the garden.

25. Are there any signs reminding people to turn off the water?

Ans: We are having an alarm system for over flowing water.
So, people can switch off the water.

Waste management

Approximate quantity of waste generated per day(in kg)

| Campus | | | | |
|-----------------|---------------|-------------------|-----------|-------|
| Approx | Biodegradable | Non-Biodegradable | Hazardous | Other |
| < 1 kg | - | - | - | |
| 2-10 kg | 1 to 2 kg | - | Nil | |
| >10 kg | - | - | Nil | |
| Laboratories | | | | |
| Approx | Biodegradable | Non-Biodegradable | Hazardous | Other |
| < 1 kg | <1 kg | < 1 kg | Nil | |
| 2-10 kg | - | - | | |
| >10 kg | - | - | | |
| Canteen/Kitchen | | | | |
| Approx | Biodegradable | Non-Biodegradable | Hazardous | Other |
| < 1 kg | - | - | Nil | |
| 2-10 kg | 2 kg | - | | |
| >10 kg | - | - | | |

Waste generated in the college?

| | | |
|---------------------------------------|--|--|
| E-waste | After its accumulation will be sold | |
| Hazardous waste | Nil | |
| Solid waste | Waste Papers dumped into the garbage | |
| Dry leaves | Dumped into compost pits | |
| Canteen waste | Vegetable waste dumped into the compost pits and food wastage dumped into garbage | |
| Liquid waste | Is utilized to plants | |
| Glass | It is very rare and dumped into the garbage | |
| Unused Equipment | Will be sold after getting permission from the higher authorities | |
| Napkins | Burning in the incinerator | |
| Do you use recycled paper in College? | Nil | |
| Any waste Management methods used? | 1.Green solid wastage is using for making compost 2.waste water is utilizing for watering plants. | |

Auditing for Green Campus Management

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

Yes, 6.0 Acres

2. Do students spend time in the Garden?

Yes

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

Table 1(Attached the list)

4. Suggest plants for your campus (Trees, vegetables, herbs etc.)?

Medicinal plants which are not covered in our garden

5. List the species planted by the students, with the number?

Table 2

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

Yes (QR code)

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

KCR arboretum, 1.2 acres, block plantation

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

Yes 0.1 acre

9. Is there any medicinal garden in your college if yes how much area?

Yes, 0.2 acres

10. What are the vegetables cultivated in your vegetable garden?

(Mention the quantity of harvest in each season)

20 varieties, approximately 5 to 10 k.gs each

11. How much water is used in the vegetable garden and other gardens?

(Mention the source and quantity of water used)

Bore well (separate for garden)

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

Dr. B. Sadasivaiah

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?

Yes, using natural compost etc

16. Do you have any composting pit in your college? If yes, what are you doing with the compost generated?

Yes, adding vegetable waste dried leaves

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

We are selling to staff. No student market

18. Is there any Botanical garden in your campus? If yes give the details of campus flora?

Yes, Telangana botanical garden 5 acres, mentioned in table 1

19. Give the number and names of the medicinal plants in your college campus?

Table 3-Attached list

20. Any threatened plant species planted/ conserved?

Yes, five species

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

22. Is there any operator in your college? If yes, details of the trees planted?

Yes, KCR arboretum planted 600 trees of 50 species

23. Is there any fruit building plans in your college? If yes, details of the trees planted?

Yes 50 species of fruit yielding plants

24. Is there any groups in your college if yes details of the trees?

No

25. Is there any irrigation system in your college?

Yes, drip irrigation

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

Campus area is surrounded by houses

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

Students of various educational institutes visiting our TBG

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

Involving in plantations and a special occasion

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

Not estimated not yet get estimated

30. Share your IDEAS for the improvement of green cover?

Need to adopt Miyawaki concept, palekar concept etC

Floral Diversity in the college campus

TABLE-1

| LIST OF SPECIESPLANTED | | | |
|-------------------------------|-----------------------------|------------|-------------------|
| S.NO | NAMEOFTHEPLANT | TNI | IMPORTANCE |
| 1 | Acacianilotica | 10 | Timber |
| 2 | Acalyphawilkesiana | 20 | Ornamental |
| 3 | Acoruscalamus | 3 | Medicinal |
| 4 | Adansoniadigitata | 3 | Medicinal |
| 5 | Adeniumsp. | 2 | Ornamental |
| 6 | Aeglemarmelos | 15 | Medicinal |
| 7 | Aganosmacymosa | 2 | Medicinal |
| 8 | Agavesp | 5 | Xerophyte |
| 9 | Alamandablanchetii | 5 | Ornamental |
| 10 | Alamandacathartica | 5 | Ornamental |
| 11 | Alamandaviolacea | 2 | Ornamental |
| 12 | Albiziaprocera | 3 | Rare |
| 13 | Alocasiamacrorhiza | 2 | Ornamental |
| 14 | Aloevera | 50 | Medicinal |
| 15 | Alstoniascholaris | 2 | Ornamental |
| 16 | Alternantheratenella | 2 | Ornamental |
| 17 | Anacardiummoccidentale | 2 | Fruit |
| 18 | Anamitracocculus | 3 | Rare |
| 19 | Ananascomosus | 25 | Fruit |
| 20 | Annonacherimola | 2 | Fruit |
| 21 | Annonamuricata | 2 | Fruit |
| 22 | Annonareticulata | 2 | Fruit |
| 23 | Annonasquamosa | 30 | Fruit |
| 24 | Anogeissusacuminata | 2 | Rare |
| 25 | Anthocephaluskadamba | 5 | Ornamental |
| 26 | Antidesmaacidum | 2 | Medicinal |
| 27 | Araucariaaraucana | 10 | Ornamental |
| 28 | Ardisiasolanacea | 3 | Medicinal |
| 29 | Arecacatechu | 5 | Spiritual |
| 30 | Argyrianervosa | 3 | Ornamental |
| 31 | Artabotrishexapetalus | 3 | Medicinal |
| 32 | Artocarpusaltilis | 1 | Fruit |
| 33 | Artocarpusheterophyllus | 5 | Fruit |
| 34 | Artocarpuslakoocha | 1 | Fruit |
| 35 | Atalantiamonophylla | 2 | Medicinal |
| 36 | Averrhoacarambola-Starfruit | 3 | Fruit |
| 37 | Azadirachtaindica | 10 | Medicinal |
| 38 | Bambusaarundinacea | 2 | Timber |
| 39 | Bambusavulgaris | 55 | Ornamental |
| 40 | Barringtoniacutangula | 2 | Rare |
| 41 | Bauhiniaacuminata | 800 | Ornamental |

| | | | |
|----|---------------------------------|-----|------------|
| 42 | Bauhiniamalabarica | 5 | Ornamental |
| 43 | Bauhiniamonandra | 2 | Rare |
| 44 | Bauhiniapurpurea | 25 | Ornamental |
| 45 | Bauhiniavahlii | 1 | Rare |
| 46 | Beilschmiediaroxburghiana | 2 | Rare |
| 47 | Berryacordifolia | 2 | Rare |
| 48 | Blyxaorallena | 2 | Rare |
| 49 | Boswelliaovalifoliolata | 2 | Rare |
| 50 | Boswelliaserrata | 2 | Medicinal |
| 51 | Brachystelmasp. | 3 | Rare |
| 52 | Breyniavitis-idaea | 3 | Rare |
| 53 | Brideliaretusa | 2 | Rare |
| 54 | Buddlejaasiatica | 2 | Rare |
| 55 | Buteamonosperma | 2 | Medicinal |
| 56 | Calamusrotang | 2 | Rare |
| 57 | Calliandractalothyrsus | 2 | Rare |
| 58 | Calophylluminophyllum | 3 | Ornamental |
| 59 | Calystemonlanceolatus | 2 | Ornamental |
| 60 | Cannaindica | 2 | Ornamental |
| 61 | Capsicumannuvum | 2 | Crop |
| 62 | Caralliabrachiata | 3 | Rare |
| 63 | Carallumaadscendensvar.fimbriat | 2 | Medicinal |
| 64 | Carallumadiffusa | 2 | Rare |
| 65 | Carallumaindica | 2 | Rare |
| 66 | Carallumastalagmifera | 2 | Rare |
| 67 | Carallumaumbellata | 2 | Medicinal |
| 68 | Cardiamacleodii | 2 | WildEdible |
| 69 | Careyaarborea | 2 | Medicinal |
| 70 | Caryotaurens | 10 | Medicinal |
| 71 | Cassiasiamea | 2 | Ornamental |
| 72 | Catharanthusroseus | 3 | Medicinal |
| 73 | Cayratiapedata | 2 | Medicinal |
| 74 | Cedrusdeodar | 5 | Ornamental |
| 75 | Cedrussp | 2 | Ornamental |
| 76 | Ceibapentandra | 2 | Ornamental |
| 77 | Celastruspaniculatus | 2 | Medicinal |
| 78 | Cestrumnocturnum | 3 | Ornamental |
| 79 | Chrysanthemumindicum | 2 | Ornamental |
| 80 | Chrysodelocarpuslutiscens | 10 | Ornamental |
| 81 | Chukrasiatabularis | 100 | Timber |
| 82 | Cinnamomumtamala-BiryaniLeaf | 2 | Medicinal |
| 83 | Cipadessabaccifera | 2 | Medicinal |
| 84 | Citrusarantium | 2 | Fruit |
| 85 | Citrusarauntifolia | 2 | Fruit |

| | | | |
|-----|-------------------------|----|------------|
| 86 | Citruslimon | 2 | Fruit |
| 87 | Citrusmedica | 2 | Medicinal |
| 88 | Cleistanthuspatulus | 2 | Medicinal |
| 89 | Clerodendrumfragrans | 2 | Ornamental |
| 90 | Clerodendrumpaniculatum | 2 | Medicinal |
| 91 | Cocosnucifera | 5 | Fruit |
| 92 | Codiumsp. | 5 | Ornamental |
| 93 | Codiumvariegatum | 5 | Ornamental |
| 94 | Combretumconstrictum | 2 | Rare |
| 95 | Cosmosbipinnata | 2 | Ornamental |
| 96 | Cosmostigmaracemosa | 2 | Rare |
| 97 | Costuspictus | 10 | Medicinal |
| 98 | Costusspeciosus | 10 | Medicinal |
| 99 | Couropetiaguianensis | 2 | Rare |
| 100 | Crinumasiaticum | 2 | Rare |
| 101 | Crinumdefixum | 2 | Ornamental |
| 102 | Crinumlatifolia | 3 | Ornamental |
| 103 | Crinumsp. | 2 | Rare |
| 104 | Crotalariaretusa | 2 | Ornamental |
| 105 | Cupressusmicrocarpa | 10 | Ornamental |
| 106 | Cupressussempervirens | 10 | Ornamental |
| 107 | Curcumainodora | 3 | Medicinal |
| 108 | Cyathiagigantea | 2 | Rare |
| 109 | Cycasbeddomei | 2 | Rare |
| 110 | Cycascircinalis | 1 | Ornamental |
| 111 | Cycasseshachalamensis | 1 | Rare |
| 112 | Cycasspherica | 1 | Rare |
| 113 | Cymbidiumaloeifolium | 1 | Rare |
| 114 | Cymbopogoncitratus | 1 | Medicinal |
| 115 | Cymbopogoncoloratus | 2 | Medicinal |
| 116 | Dalbergialatifolia | 10 | Timber |
| 117 | Dalbergiapaniculata | 5 | Timber |
| 118 | Dalbergiasissoo | 5 | Timber |
| 119 | Daturametel | 1 | Medicinal |
| 120 | Decalepishamiltonii | 2 | Medicinal |
| 121 | Dendrocalamusstrictus | 5 | Rare |
| 122 | Desmodiumoojeinense | 3 | Timber |
| 123 | Dicranopterisliniaris | 2 | Rare |
| 124 | Diffenbachia | 2 | Ornamental |
| 125 | Dilleniaindica | 2 | Rare |
| 126 | Dilleniapentagyna | 2 | Rare |
| 127 | Dimocarpuslongan | 2 | Fruit |
| 128 | Diospyrosmalabarica | 2 | Medicinal |
| 129 | Diospyrossylvatica | 2 | Medicinal |

| | | | |
|-----|-------------------------------|-----|------------|
| 130 | Draceana-Green | 2 | Ornamental |
| 131 | Draceana-Red | 2 | Ornamental |
| 132 | Dracenasp. | 2 | Ornamental |
| 133 | Drigiavolubilis | 2 | Medicinal |
| 134 | Duriozibethinu | 1 | Fruit |
| 135 | Elaeocarpusganitrus-Rudraksha | 2 | Spiritual |
| 136 | Elaeocarpuslucidus | 1 | Spiritual |
| 137 | Elettariacardamomum-Elachi | 2 | Spices |
| 138 | Epiphyllumoxypetalum | 2 | Ornamental |
| 139 | Euphobiacauducifolia | 2 | Xerophyte |
| 140 | Euphobiatriгона | 1 | Xerophyte |
| 141 | Euphorbiamilli | 2 | Ornamental |
| 142 | Euphorbianivulia | 1 | Rare |
| 143 | Euphorbiatirucalli | 1 | Medicinal |
| 144 | Eyiobotryajaponica | 100 | Fruit |
| 145 | Ficusamplissima | 2 | Rare |
| 146 | Ficusarnottiana | 2 | Rare |
| 147 | Ficusauriculata | 1 | Rare |
| 148 | Ficusbenghalensis | 5 | Medicinal |
| 149 | Ficusbenjamina | 150 | Ornamental |
| 150 | Ficuscarica | 5 | Fruit |
| 151 | Ficusdrupacea | 1 | Rare |
| 152 | Ficuselastica | 1 | Rare |
| 153 | Ficusexasperata | 1 | Rare |
| 154 | Ficusheterophylla | 1 | Rare |
| 155 | Ficushispida | 1 | Rare |
| 156 | Ficuslyrata | 10 | Ornamental |
| 157 | Ficusmicrocarpa | 2 | Rare |
| 158 | Ficusmollis | 2 | Rare |
| 159 | Ficusnew | 1 | Rare |
| 160 | Ficusracemosa | 55 | Fruit |
| 161 | Ficusreligiosa | 10 | Medicinal |
| 162 | Ficusrumphii | 1 | Rare |
| 163 | Ficusemicardata | 1 | Rare |
| 164 | Ficustinctoria | 1 | Rare |
| 165 | Ficustriangularae | 5 | Rare |
| 166 | Ficusvariegata | 1 | Rare |
| 167 | Ficusvirens | 2 | Medicinal |
| 168 | Flacourtiaindica | 1 | Medicinal |
| 169 | Garciniacombogia | 1 | Medicinal |
| 170 | Gardenialatifolia | 1 | Medicinal |
| 171 | Glochidionvelutina | 1 | Medicinal |
| 172 | Gloriosasuperba | 3 | Medicinal |
| 173 | Glycosmispentaphylla | 2 | Medicinal |

| | | | |
|-----|-------------------------|----|------------|
| 174 | Gmelinaarborea | 2 | Medicinal |
| 175 | Gnetumula | 2 | Rare |
| 176 | GreenPalmtree | 1 | Ornamental |
| 177 | Grewiaasiatica | 2 | Fruit |
| 178 | Grewiatilifolia | 2 | Medicinal |
| 179 | Grivelliarobusta | 15 | Ornamental |
| 180 | Gyrocarpusamericanus | 2 | Medicinal |
| 181 | Habenariamayyana | 2 | Rare |
| 182 | Haldeniacordifolia | 2 | Medicinal |
| 183 | Hardwickiabinata | 30 | Timber |
| 184 | Heyneatrijuga | 1 | Medicinal |
| 185 | Hibiscusmutabilis | 2 | Ornamental |
| 186 | Hibiscusrosa-sinensis | 2 | Ornamental |
| 187 | Hildegardiapopulifolia | 5 | Rare |
| 188 | Hiptagebenghalensis | 2 | Medicinal |
| 189 | Holopteliaintegerifolia | 15 | Timber |
| 190 | Holorrhenapubescens | 1 | Medicinal |
| 191 | Impatiensbalsamina | 2 | Ornamental |
| 192 | Impatiensrosea | 2 | Rare |
| 193 | Ipomoeabatatas | 2 | Edible |
| 194 | Ipomoeaquomoclit | 2 | Ornamental |
| 195 | Ixoraarborea | 2 | Medicinal |
| 196 | Ixoracoccinia | 10 | Ornamental |
| 197 | Jasminumauriculata | 2 | Ornamental |
| 198 | Jasminumflexile | 2 | Ornamental |
| 199 | Jasminumfluminense | 2 | Ornamental |
| 200 | Jasminummalabaricum | 2 | Ornamental |
| 201 | Jasminumsambac | 2 | Ornamental |
| 202 | Jasminumspinosa | 3 | Ornamental |
| 203 | Jatrophacurcas | 2 | Biodiesel |
| 204 | Jatrophagossypifolia | 2 | Medicinal |
| 205 | Jatrophapodogrica | 2 | Ornamental |
| 206 | Kigeliaafricana | 1 | Ornamental |
| 207 | Kydiacalycina | 2 | Medicinal |
| 208 | Lagerstroemiaspeciosa | 50 | Ornamental |
| 209 | Lawsoniainermis | 20 | Medicinal |
| 210 | Leeaaspera | 3 | Medicinal |
| 211 | Limoniaacidissima | 10 | Fruit |
| 212 | Litchichinensis | 2 | Fruit |
| 213 | Litsiamonophylla | 2 | Medicinal |
| 214 | Macarangapeltata | 2 | Medicinal |
| 215 | Madhucaindica | 5 | Medicinal |
| 216 | Magnoliachampaka | 50 | Medicinal |
| 217 | Majediazanguebarica | 1 | Medicinal |

| | | | |
|-----|---------------------------------------|-----|------------|
| 218 | <i>Mallotusphilippensis</i> | 1 | Medicinal |
| 219 | <i>Mangiferaindica</i> | 10 | Fruit |
| 220 | <i>Manilkarahexandra</i> | 1 | Rare |
| 221 | <i>Manilkarasapota</i> | 2 | Fruit |
| 222 | <i>Melastomamalabathricum</i> | 2 | Ornamental |
| 223 | <i>Meliaazadirach</i> | 2 | Medicinal |
| 224 | <i>Millingtoniahortensis</i> | 5 | Ornamental |
| 225 | <i>Mimosapudica</i> | 3 | Medicinal |
| 226 | <i>Mimusopselingi</i> | 100 | Medicinal |
| 227 | <i>Moringapterigosperma</i> | 2 | Medicinal |
| 228 | <i>Morusalba</i> | 2 | Crop |
| 229 | <i>Muntingiacalabura</i> | 5 | Fruit |
| 230 | <i>Murrayakoenigii</i> | 2 | Spices |
| 231 | <i>Musaparadisiaca</i> | 2 | Fruit |
| 232 | <i>Nelumbonucifera</i> | 2 | Rare |
| 233 | <i>Neocinnamopmumzeylanicum</i> | 1 | Rare |
| 234 | <i>Neriumolender</i> | 2 | Ornamental |
| 235 | <i>Nothopegiacolebrookiana</i> | 2 | Rare |
| 236 | <i>Nyctanthesarbor-tristis</i> | 2 | Medicinal |
| 237 | <i>Nymphaeapubescens</i> | 2 | Ornamental |
| 238 | <i>Nymphoidescristata</i> | 2 | Rare |
| 239 | <i>Ocimumtenuiflorum</i> | 1 | Medicinal |
| 240 | <i>Oroxylumindicum</i> | 2 | Rare |
| 241 | <i>Otteliaalismoides</i> | 3 | Rare |
| 242 | <i>Pancretiumtelanganense</i> | 2 | Rare |
| 243 | <i>Passifloracaerulea</i> | 3 | Ornamental |
| 244 | <i>Passifloraedulis</i> | 3 | Ornamental |
| 245 | <i>Passiflorafoetida</i> | 3 | Ornamental |
| 246 | <i>Passifloraincarnata</i> | 2 | Ornamental |
| 247 | <i>PassifloraincarnataXP.caerulea</i> | 2 | Ornamental |
| 248 | <i>Passifloravitifolia</i> | 3 | Ornamental |
| 249 | <i>Pedilanthustithymaloides</i> | 2 | Ornamental |
| 250 | <i>Peltophorumferrugenum</i> | 2 | Ornamental |
| 251 | <i>Perseamacrantha</i> | 1 | Rare |
| 252 | <i>Phoenixdactylifer</i> | 2 | Fruit |
| 253 | <i>Phoenixsp.</i> | 2 | Ornamental |
| 254 | <i>Phoenixsylvestris</i> | 2 | Fruit |
| 255 | <i>Phyllanthusacidus</i> | 2 | Fruit |
| 256 | <i>Phyllanthusemblica</i> | 75 | Medicinal |
| 257 | <i>Pimentadioica-Allspice</i> | 1 | Spices |
| 258 | <i>Pimpinellaheyneana</i> | 2 | Rare |
| 259 | <i>Pipernigrum</i> | 3 | Spices |
| 260 | <i>Pisoniaalba</i> | 2 | Ornamental |
| 261 | <i>Pithecellobiumdulci</i> | 2 | Fruit |

| | | | |
|-----|-----------------------------------|-----|------------|
| 262 | Plumariapudica | 2 | Ornamental |
| 263 | Plumariarubra | 2 | Ornamental |
| 264 | Plumbagorosea | 3 | Medicinal |
| 265 | Polyalthiaceresoides | 2 | Medicinal |
| 266 | Polyalthialongifolia | 2 | Ornamental |
| 267 | Pongamiapinnata | 25 | Medicinal |
| 268 | Portulaccaumbraticola | 3 | Ornamental |
| 269 | Pouteriacampechiana | 2 | Fruit |
| 270 | Prosopiscineraria | 10 | Spices |
| 271 | Prunusceylanica | 1 | Fruit |
| 272 | Prunusdomesticassp.insititia-Alu- | 1 | Fruit |
| 273 | Psidiumcattleianum | 1 | Fruit |
| 274 | Psidiumguajava | 30 | Fruit |
| 275 | Pterocarpusmarsupium | 5 | Timber |
| 276 | Pterocarpussantalinus | 50 | Rare |
| 277 | Pterospermumxylocarpum | 2 | Medicinal |
| 278 | Punicagranatum | 80 | Fruit |
| 279 | Putranjeevaroxburghii | 2 | Medicinal |
| 280 | Radermorcheraxylocarpa | 2 | Rare |
| 281 | Rauvolfiaserpentina | 2 | Medicinal |
| 282 | Ravinalamadagascensis | 3 | Ornamental |
| 283 | Rhaphispalm | 20 | Ornamental |
| 284 | Rhapidophoradenticulata | 2 | Ornamental |
| 285 | Rosaindica | 215 | Ornamental |
| 286 | Roystoniaeregia | 10 | Ornamental |
| 287 | Rubiaceaeclimber | 2 | Rare |
| 288 | Ruelliatuberosa | 2 | Ornamental |
| 289 | Samantiasaman | 2 | Ornamental |
| 290 | Sansveriacylindrica | 2 | Medicinal |
| 291 | Sansveriaroxburghii | 3 | Medicinal |
| 292 | Santalumalbum | 15 | Rare |
| 293 | Saracaasoka | 5 | Rare |
| 294 | Sarcostemmaacidum | 2 | Medicinal |
| 295 | Sauropusandrogyne | 2 | Medicinal |
| 296 | Schefflerastellata | 2 | Rare |
| 297 | Schlecheraoleosa | 2 | Rare |
| 298 | Schreberaswetinoides | 2 | Rare |
| 299 | Simarubaglauca | 10 | Biodiesel |
| 300 | Smilaxzeylanica | 3 | Rare |
| 301 | Spathodiacompanulata | 5 | Ornamental |
| 302 | Spermadictyonsuaveolens | 2 | Rare |
| 303 | Spondiaspinnata | 2 | Rare |
| 304 | Stachyterpetaindica | 2 | Ornamental |
| 305 | Stachyterpetajamaicensis | 2 | Ornamental |

| | | | |
|-----|---------------------------------|-----|------------|
| 306 | <i>Sterculiafoetida</i> | 5 | Timber |
| 307 | <i>Sterculiaurens</i> | 2 | Medicinal |
| 308 | <i>Steriospermumsuaveolens</i> | 2 | Rare |
| 309 | <i>Switeniamahagani</i> | 150 | Timber |
| 310 | <i>Syzygiumaromaticum</i> | 2 | Spices |
| 311 | <i>Syzygiumcumini</i> | 5 | Fruit |
| 312 | <i>Syzygiumsamarangense</i> | 5 | Fruit |
| 313 | <i>Tabernamontanadivaricata</i> | 2 | Ornamental |
| 314 | <i>Taccaleontopetaloides</i> | 2 | Medicinal |
| 315 | <i>Tagiteserecta</i> | 2 | Ornamental |
| 316 | <i>Tamarindusindica</i> | 5 | Fruit |
| 317 | <i>Tebubiasp.</i> | 5 | Ornamental |
| 318 | <i>Tecomastans</i> | 80 | Ornamental |
| 319 | <i>Tecomariacapensis</i> | 2 | Ornamental |
| 320 | <i>Tectonagrandis</i> | 20 | Timber |
| 321 | <i>Terminaliaaalata</i> | 2 | Timber |
| 322 | <i>Terminaliaarjuna</i> | 20 | Medicinal |
| 323 | <i>Terminaliabellirca</i> | 5 | Medicinal |
| 324 | <i>Terminaliacatappa</i> | 2 | Fruit |
| 325 | <i>Terminaliachebula</i> | 2 | Medicinal |
| 326 | <i>Terminaliametalica</i> | 5 | Ornamental |
| 327 | <i>Terminaliatomentosa</i> | 1 | Timber |
| 328 | <i>Tetracerascandens</i> | 2 | Rare |
| 329 | <i>Thespeciamederaspatana</i> | 5 | Ornamental |
| 330 | <i>Thespeciapopulnea</i> | 20 | Ornamental |
| 331 | <i>Thujaoccidentalis</i> | 20 | Ornamental |
| 332 | <i>Tinosporacardifolia</i> | 3 | Medicinal |
| 333 | <i>Tithoniadiversifolia</i> | 10 | Ornamental |
| 334 | <i>Tradescantiaspathacea</i> | 2 | Ornamental |
| 335 | <i>Trewianodiflora</i> | 2 | Rare |
| 336 | <i>Trichiliacoronoides</i> | 2 | Rare |
| 337 | <i>Ventilagodenticulata</i> | 3 | Rare |
| 338 | <i>Verbenasp.</i> | 2 | Ornamental |
| 339 | <i>Vitisvenifera</i> | 4 | Fruit |
| 340 | <i>Wedeliatrilobata</i> | 2 | Ornamental |
| 341 | <i>Wodeytiabifurcata</i> | 150 | Ornamental |
| 342 | <i>Woodfordiafruticosa</i> | 1 | Rare |
| 343 | <i>Wrightiaarborea</i> | 1 | Medicinal |
| 344 | <i>Wrightiatinctoria</i> | 5 | Medicinal |
| 345 | <i>Xanthoxylumrhetsa</i> | 2 | Rare |
| 346 | <i>Xantolisretusa</i> | 2 | Rare |
| 347 | <i>Xyliaxylocarpa</i> | 2 | Rare |
| 348 | <i>Yuccasp.</i> | 2 | Ornamental |
| 349 | <i>Zinniaelegans</i> | 2 | Ornamental |

| | | | |
|-----|-----------------------------|---|-------|
| 350 | Ziziphusjuba-Greenapplebear | 2 | Fruit |
| 351 | Ziziphusmauritiana | 2 | Fruit |
| | | | |

Table 2

Plants Planted by Students

| | | |
|--------------------------|----|------------|
| Acoruscalamus | 3 | Medicinal |
| Adansoniadigitata | 3 | Medicinal |
| Bauhiniapurpurea | 25 | Ornamental |
| Bauhiniavahlia | 1 | Rare |
| Cycascircinalis | 1 | Ornamental |
| Cycasseshachalamensis | 1 | Rare |
| Dracenasp. | 2 | Ornamental |
| Drigiavolubilis | 2 | Medicinal |
| Ficuslyrata | 10 | Ornamental |
| Ficusmicrocarpa | 2 | Rare |
| Manilkarahexandra | 1 | Rare |
| Pedilanthustithymaloides | 2 | Ornamental |
| Sterculiafoetida | 5 | Timber |
| Sterculiaurens | 2 | Medicinal |
| Tebubiasp. | 5 | Ornamental |
| Tecomastans | 80 | Ornamental |
| Verbenasp. | 2 | Ornamental |
| Vitisvenifera | 4 | Fruit |
| Zinniaelegans | 2 | Ornamental |

Table 3

| LIST OF MEDICINAL PLANTS | | |
|---------------------------------|---------------------------|---------------|
| S. No. | Name of the plant | Number |
| 1 | Acacia nilotica | 10 |
| 2 | Acoruscalamus | 3 |
| 3 | Adansoniadigitata | 3 |
| 4 | Aegle marmelos | 15 |
| 5 | Aganosmacymosa | 2 |
| 6 | Albiziaprocera | 3 |
| 7 | Alocasiamacrorrhiza | 2 |
| 8 | Aloe vera | 50 |
| 9 | Alstoniascholaris | 2 |
| 10 | Anamitracocculus | 3 |
| 10 | Andrographisnallamalayana | 5 |
| 11 | Annona cherimola | 2 |
| 12 | Annona muricata | 2 |
| 13 | Annona reticulata | 2 |
| 14 | Annona squamosa | 30 |
| 15 | Anogeissusacuminata | 2 |
| 16 | Anthocephaluskadamba | 5 |
| 17 | Antidesmaacidum | 2 |
| 18 | Ardisiasolanacea | 3 |
| 19 | Argyria nervosa | 3 |
| 20 | Artocarpusaltilis | 1 |
| 21 | Artocarpusheterophyllus | 5 |
| 22 | Artocarpuslakoocha | 1 |

| | | |
|----|---------------------------|-----|
| 23 | Atalantiamonophylla | 2 |
| 24 | Azadirachtaindica | 10 |
| 25 | Barringtoniaacutangula | 2 |
| 26 | Bauhinia monandra | 2 |
| 27 | Bauhinia vahlii | 1 |
| 28 | Beilschmiediaroxburghiana | 2 |
| 29 | Berryacordifolia | 2 |
| 30 | Blyxaorallena | 2 |
| 31 | Boswelliaserrata | 2 |
| 32 | Breyniavitis-idaea | 3 |
| 33 | Brideliaretusa | 2 |
| 34 | Buddlejaasiatica | 2 |
| 35 | Butea monosperma | 2 |
| 36 | Calliandracalothyrsus | 2 |
| 37 | Caralliabrachiata | 3 |
| 38 | Cardia macleodii | 2 |
| 39 | Careyaarborea | 2 |
| 40 | Caryotaurens | 10 |
| 41 | Ceibapentandra | 2 |
| 42 | Chukrasiatabularis | 100 |
| 43 | Cinnamomumtamala | 2 |
| 44 | Cipadessabaccifera | 2 |
| 45 | Citrus medica | 2 |
| 46 | Cleistanthuspatulus | 2 |
| 47 | Clerodendrumpaniculatum | 2 |
| 48 | Combretumconstrictum | 2 |

| | | |
|----|-----------------------------|----|
| 49 | <i>Cosmostigmaracemosa</i> | 2 |
| 50 | <i>Costuspictus</i> | 10 |
| 51 | <i>Costusspeciosus</i> | 10 |
| 52 | <i>Dalbergialatifolia</i> | 10 |
| 53 | <i>Dalbergiapaniculata</i> | 5 |
| 54 | <i>Desmodiumoojeinense</i> | 3 |
| 55 | <i>Dilleniaindica</i> | 2 |
| 56 | <i>Dilleniapentagyna</i> | 2 |
| 57 | <i>Diospyrosmalabarica</i> | 2 |
| 58 | <i>Diospyrossylvatica</i> | 2 |
| 59 | <i>Elaeocarpusganitrus</i> | 2 |
| 60 | <i>Elaeocarpuslucidus</i> | 1 |
| 61 | <i>Euphorbia tirucalli</i> | 1 |
| 62 | <i>Ficusbenghalensis</i> | 5 |
| 63 | <i>Ficusdrupacea</i> | 1 |
| 64 | <i>Ficusmollis</i> | 2 |
| 65 | <i>Ficusracemosa</i> | 55 |
| 66 | <i>Ficusreligiosa</i> | 10 |
| 67 | <i>Flacourtiaindica</i> | 1 |
| 68 | <i>Garcinia combogia</i> | 1 |
| 69 | <i>Gardenia latifolia</i> | 1 |
| 70 | <i>Glochidionvelutina</i> | 1 |
| 71 | <i>Glycosmispentaphylla</i> | 2 |
| 72 | <i>Gmelinaarborea</i> | 2 |
| 73 | <i>Grewiaasiatica</i> | 2 |
| 74 | <i>Grewiatilifolia</i> | 2 |

| | | |
|----|---------------------------------|----|
| 75 | <i>Haldeniacordifolia</i> | 2 |
| 76 | <i>Hardwickiabinata</i> | 30 |
| 77 | <i>Heyneatrijuga</i> | 1 |
| 78 | <i>Hiptagebenghalensis</i> | 2 |
| 79 | <i>Holopteliaintegerifolia</i> | 15 |
| 80 | <i>Holorrhenapubescens</i> | 1 |
| 81 | <i>Ixoraarborea</i> | 2 |
| 82 | <i>Kydiacalcina</i> | 2 |
| 83 | <i>Lawsoniainermis</i> | 20 |
| 84 | <i>Limoniaacidissima</i> | 10 |
| 85 | <i>Litsiamonophylla</i> | 2 |
| 86 | <i>Macarangapeltata</i> | 2 |
| 87 | <i>Madhucaindica</i> | 5 |
| 88 | <i>Magnolia champaka</i> | 50 |
| 89 | <i>Majediazanguebarica</i> | 1 |
| 90 | <i>Mallotusphilippensis</i> | 2 |
| 91 | <i>Manilkarahexandra</i> | 1 |
| 91 | <i>Morindacitrifolia</i> | 2 |
| 92 | <i>Neocinnamopmumzeylanicum</i> | 1 |
| 93 | <i>Nothopegiacolebrookiana</i> | 2 |
| 94 | <i>Nyctanthes arbor-tristis</i> | 2 |
| 95 | <i>Oroxylumindicum</i> | 2 |
| 96 | <i>Perseamacrantha</i> | 1 |
| 97 | <i>Phyllanthusemblica</i> | 75 |
| 97 | <i>Piper longam</i> | 2 |
| 98 | <i>Polyalthiaceresoides</i> | 2 |

| | | |
|-----|--------------------------------|----|
| 99 | <i>Pterocarpus marsupium</i> | 5 |
| 100 | <i>Pterocarpussantalinus</i> | 50 |
| 101 | <i>Putranjeevaroxburghii</i> | 2 |
| 102 | <i>Radermorcheraxylocarpa</i> | 2 |
| 103 | <i>Santalum album</i> | 15 |
| 104 | <i>Saracaasoka</i> | 5 |
| 105 | <i>Schlecheraoleosa</i> | 2 |
| 106 | <i>Schreberaswetinoides</i> | 2 |
| 107 | <i>Simarubaglauca</i> | 10 |
| 108 | <i>Spermadictyonsuaveolens</i> | 2 |
| 109 | <i>Spondiaspinnata</i> | 2 |
| 110 | <i>Sterculiaurens</i> | 2 |
| 111 | <i>Steriospermumsuaveolens</i> | 2 |
| 112 | <i>Strychnosnux-vomica</i> | 50 |
| 113 | <i>Syzygiumcumini</i> | 5 |
| 114 | <i>Tamarindusindica</i> | 5 |
| 115 | <i>Terminalia alata</i> | 2 |
| 116 | <i>Terminalia arjuna</i> | 20 |
| 117 | <i>Terminalia bellirca</i> | 5 |
| 118 | <i>Terminalia chebula</i> | 2 |
| 119 | <i>Terminalia tomentosa</i> | 1 |
| 120 | <i>Trewianodiflora</i> | 2 |
| 121 | <i>Woodfordiafruticosa</i> | 1 |
| 122 | <i>Wrightiaarborea</i> | 1 |
| 123 | <i>Wrightiatinctoria</i> | 5 |
| 124 | <i>Xanthoxylumrhetsa</i> | 2 |

| | | |
|-----|----------------|------------|
| 125 | Xantolisretusa | 2 |
| 126 | Xylixyclocarpa | 2 |
| 127 | Byxaorallena | 4 |
| | | 907 |

| FRUIT PLANTS | | |
|---------------------|---------------------------------|------------|
| S. NO. | NAME OF THE PLANT | TNI |
| 1 | Anacardiumoccidentale | 2 |
| 2 | Ananascomosus | 25 |
| 3 | Annona cherimola | 2 |
| 4 | Annona muricata | 2 |
| 5 | Annona reticulata | 2 |
| 6 | Annona squamosa | 30 |
| 7 | Artocarpusaltilis | 1 |
| 8 | Artocarpusheterophyllus | 5 |
| 9 | Artocarpuslakoocha | 1 |
| 10 | Averrhoa carambola - Star fruit | 3 |
| 11 | Citrus arantium | 2 |
| 12 | Citrus arauntifolia | 2 |
| 13 | Citrus limon | 2 |
| 14 | Cocos nucifera | 5 |
| 15 | Dimocarpuslongan | 2 |
| 16 | Duriozibethinu | 1 |
| 17 | Eyiobotrya japonica | 100 |
| 18 | Ficuscarica | 5 |

| | | |
|----|--|----|
| 19 | <i>Ficus racemosa</i> | 55 |
| 20 | <i>Grewia asiatica</i> | 2 |
| 21 | <i>Limonia acidissima</i> | 10 |
| 22 | <i>Litchi chinensis</i> | 2 |
| 23 | <i>Mangifera indica</i> | 10 |
| 24 | <i>Manilkara zapota</i> | 2 |
| 25 | <i>Muntingia calabura</i> | 5 |
| 26 | <i>Musa paradisiaca</i> | 3 |
| 27 | <i>Phoenix dactylifera</i> | 2 |
| 28 | <i>Phoenix sylvestris</i> | 2 |
| 29 | <i>Phyllanthus acidus</i> | 2 |
| 30 | <i>Pithecellobium dulce</i> | 2 |
| 31 | <i>Pouteria campechiana</i> | 2 |
| 32 | <i>Prunus ceylanica</i> | 1 |
| 33 | <i>Prunus domestica</i> ssp. <i>insititia</i> - Alu- Bukhara | 1 |
| 34 | <i>Psidium cattleianum</i> | 1 |
| 35 | <i>Psidium guajava</i> | 30 |
| 36 | <i>Punica granatum</i> | 80 |
| 37 | <i>Syzygium cumini</i> | 5 |
| 38 | <i>Syzygium samarangense</i> | 5 |
| 39 | <i>Tamarindus indica</i> | 5 |
| 40 | <i>Terminalia catappa</i> | 2 |
| 41 | <i>Vitis vinifera</i> | 3 |
| 42 | <i>Ziziphus jujuba</i> - Green apple bear | 2 |
| 43 | <i>Ziziphus mauritiana</i> | 2 |

A Few Photographs of Floral diversity



Habenaria plantaginea



Euphorbia venkatarajii
(endemic)



Careya arborea



Terminalia chebula



Curcuma amada
(nalla pasupu)



Muhlemabeckia sp.



Oroxylum indicum



Sauropus androgynus



Gymnema sylvestre



Abelmoschus moschatus



Curcuma amada



Notonia grandiflora



Adathoda vasica



Plectranthus barbatus



Celastrus paniculatus



Caralluma bicolor



Saraca asoka



Steriospermum suaveolens



Dillenia indica



Dendrocalamus strictus



Chukrasia tabularis



Schrebera switinioides



Mangifera indica (Wild)



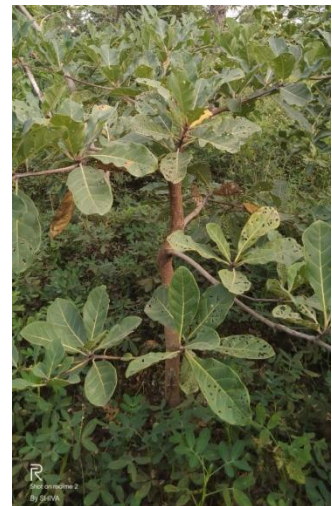
Gardenia latifolia



Pterospermum santalinus



Terminalia arjuna



Terminalia bellirica

FAUNAL DIVERSITY

Faunal Diversity in college campus

| Faunal group | Scientific name | Number(if Enumeration is done) | Seasonality |
|---|---|--------------------------------|-------------|
| Spiders | Aranea, Argiope | Enumeration not done | |
| Moths& butterflies | Lepedoptera | | |
| Other insects (Dragon Flies, Bees, Wasps, Bugs and Beetles etc.,) | Apis, sps, dragon fly(Rheothermis Varigata) Wasps, Beetles, | | |
| Annelids | Earthworms | | |
| Other Arthropods | Dragon fly, apis, wasp, ants | | |
| Amphibians | Tree frog, hylobatus, Rana tigrina | | |
| Reptiles | Agama, Reckagama, Eryx Rock Agama, Water Snake, Tropidonotus, Naja, Ptyas | | |
| Birds | Pigeons, Sparrows, owls, eagles, herons, crows | | |
| Mammals | Bos, rattus, Funambulus, Sus | | |



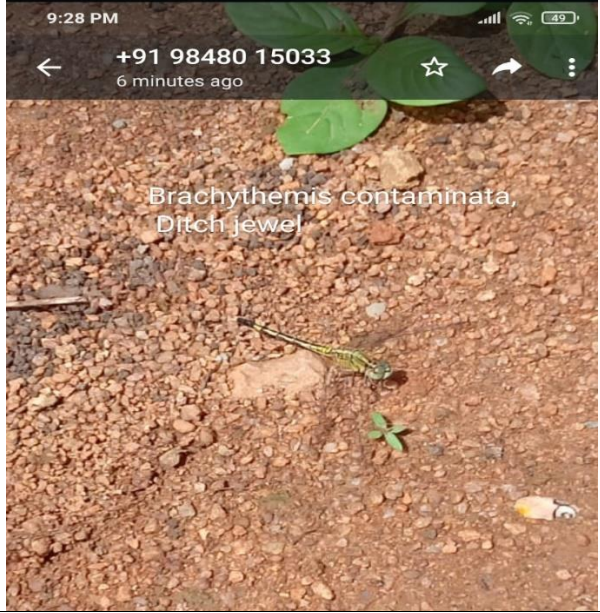

| Scientific Name of the Animal | Common Name of the Animal |
|-------------------------------|-----------------------------|
| Dragonflies: | |
| Diplocodes trivialis | Blue grounded skimmer |
| Brachythemis contaminate | Ditch jewel |
| Trithemis aurora | Crimson marsh glider - male |
| Butterflies and Moths | |
| Danaus chrisippus | Plain tiger |
| Tirumala limniace | Bli tiger |
| Acraea terpsicore | Tawny coster |
| Anthocharis | Orange tip butterfly |
| Catapsilla | Common emigrant |
| Synclara traducalis | Moth |

| | |
|----------------------------------|------------------------------|
| Orgyia leucostigma | Tussock moth |
| Daphnis nerii | Oleander hawk moth |
| Lymantria spp. | Gypsy moth |
| Grasshoppers and Crickets | |
| Schistocerca | Brown grasshopper |
| Mantoede sp. | Praying mantis |
| Omcestus sp. | Green grasshopper |
| Flies | |
| Tipula sp. | Crane fly |
| Aedes | Tiger mosquito |
| Culex pipens | Mosquito |
| Calliphora vomitoria | Bluebottle fly |
| Order: Blattodea | |
| Periplaneta | |
| Wasps | |
| Polistes spp. | Paper wasp |
| Beetles | |
| Helicopriss sp. | Dung beetle |
| Acanthocoris | Shield bug |
| Gyrinus sp. | Whirligig beetle |
| Agapanthea | Golden bloomed grey longhorn |
| Coccinellidae family | Ladybird beetle |
| | |
| | |
| Millipedes and Centipedes | |
| Harpaphe sp. | Yellow spotted millipede |
| Trigoniulus sp. | Red millipede |
| Scolopendra sp. | centepede |
| Arachnids | |
| Hogna sp. | Wolf spider |
| Argiope sp | Siver orb Sgnaturespider |
| Hetermetrus sp. | Black scorpion |
| Aranea | |
| | |
| Molluscs | |
| Sub class Heterobranchia | Land Slug |
| | |
| Amphibians | |
| Rana hexadactyla | Tiger frog |
| | |
| | |
| Reptiles | |
| Hemidactylus | Common gecheko |
| Eryx sp. | Double headed snake |

| | |
|----------------------------|-----------------------------|
| Chameleon zylonicus | Chameleon |
| | |
| Birds | |
| Corvus splendens splendens | Common crow |
| Upupa epops | Wood pecker |
| Gallus gallus | Common fowl |
| Psittacula krameri | Ring necked parakeet |
| Passer domesticus | House Sparrow |
| Merops orientalis | Green bee-eater |
| Dicrurus macrocercus | Black Drongo |
| Troglodytes aedon | House wren |
| | |
| | |
| Mammals | |
| Ratufa indica | Giant Indian Squirrel |
| Funambulus | Squirrel |
| Cannis domesticus | Dog |
| Felis domesticus | Cat |
| Bos indicus | Humped cattle |
| Semnopithecus entellus | Hanuman lagur, grey langoor |
| | |
| | |

A Few Photographs of Faunal diversity

Dragonflies:

| | |
|--|--|
|  <p>Blue ground skimmer, <i>Diplacodes trivialis</i></p> |  <p>Blue ground skimmer, <i>Diplacodes trivialis</i> - female</p> |
|  <p>9:28 PM +91 98480 15033 6 minutes ago</p> <p><i>Brachythemis contaminata</i>, Ditch jewel</p> |  <p><i>Trithemis aurora</i>, the crimson marsh glider Male</p> |
| | |



Butterflies and Moths

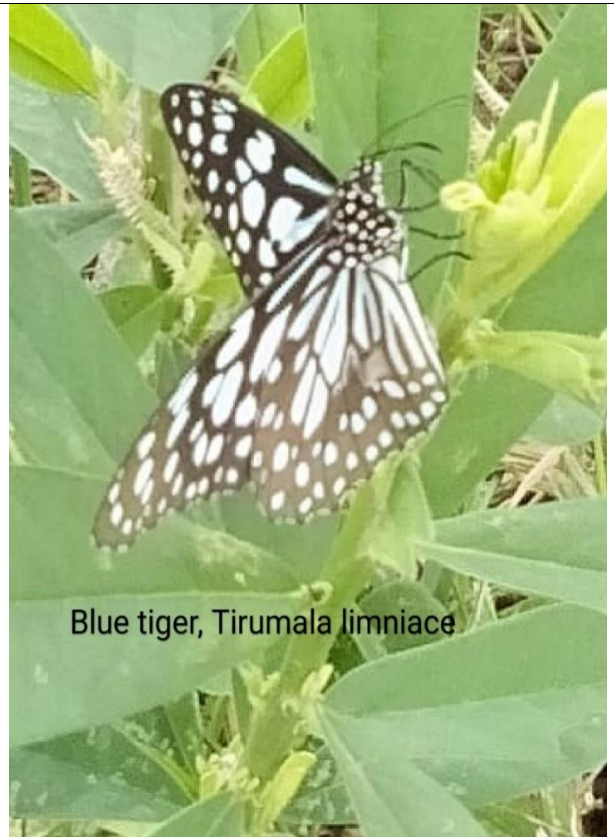
11:47 AM

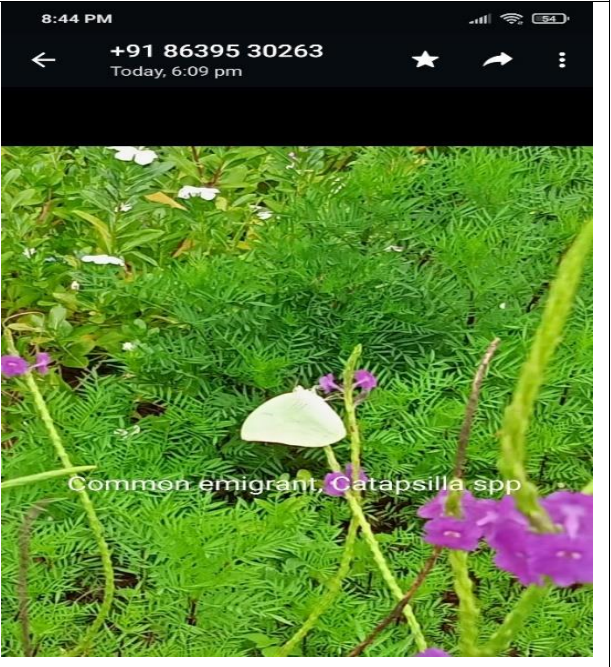
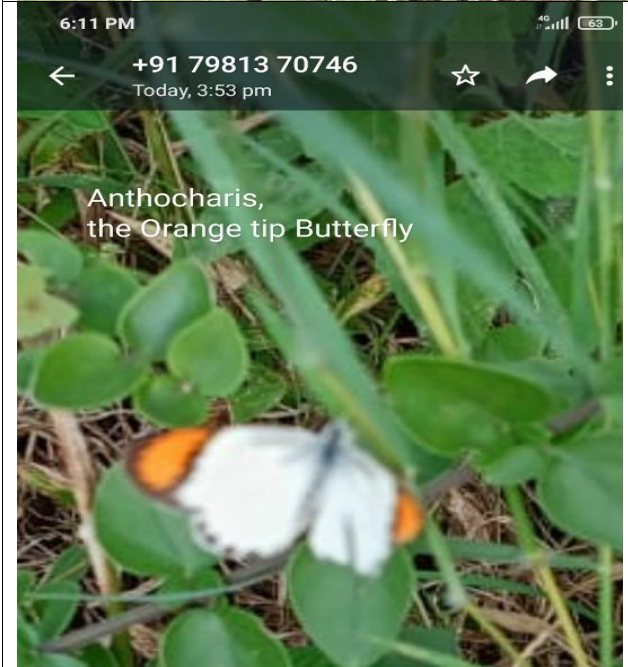
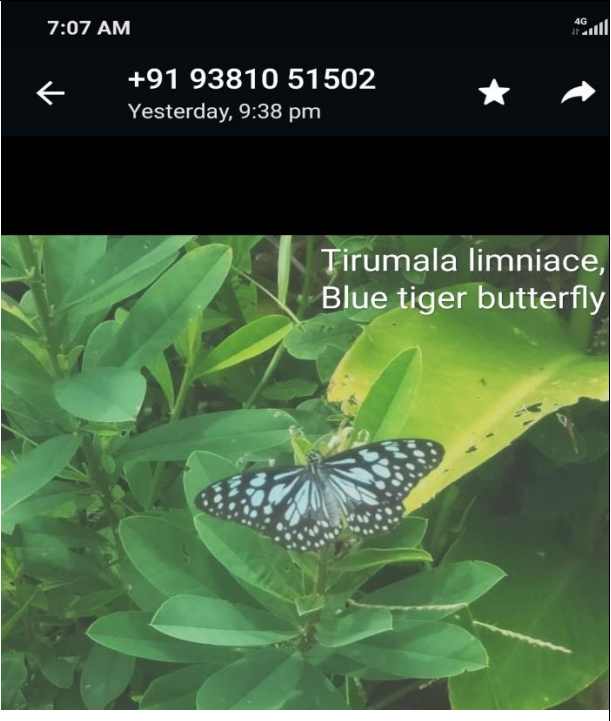
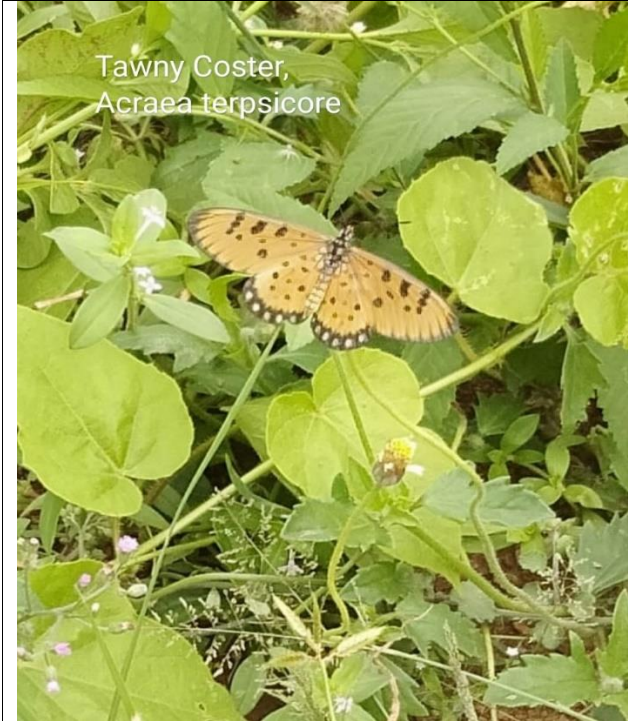
4G 58

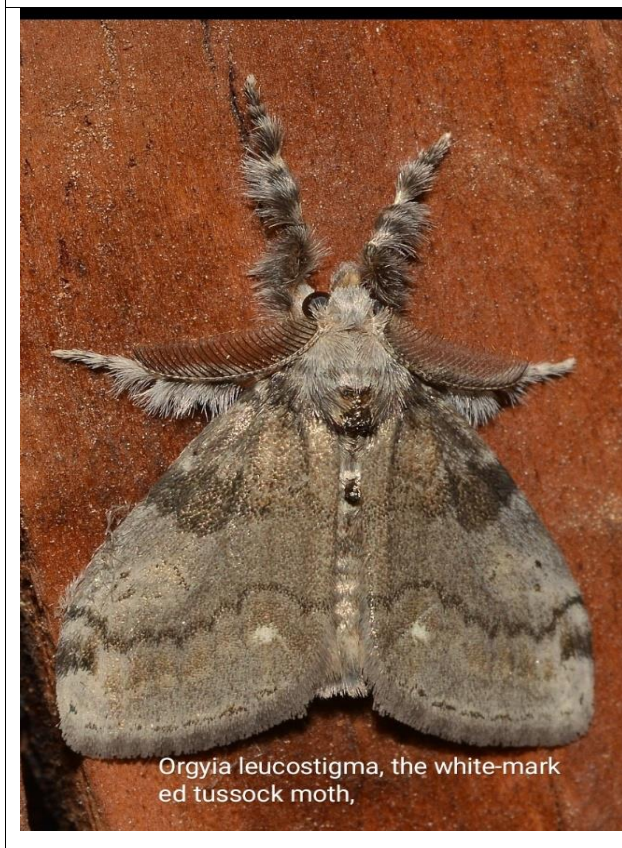
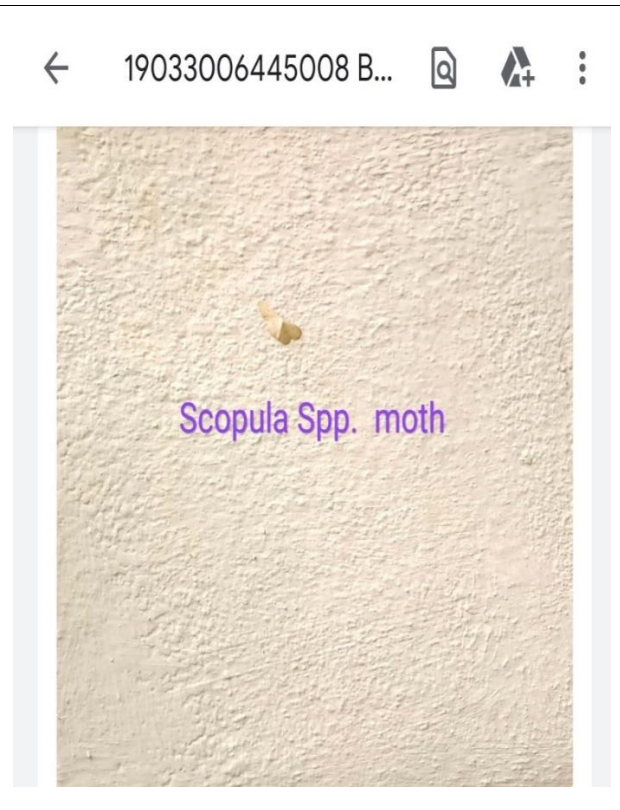
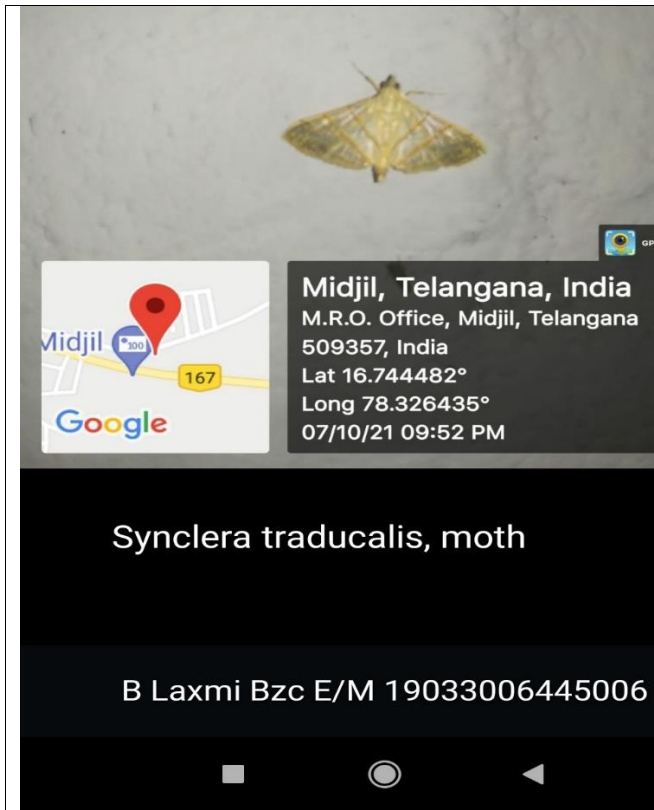


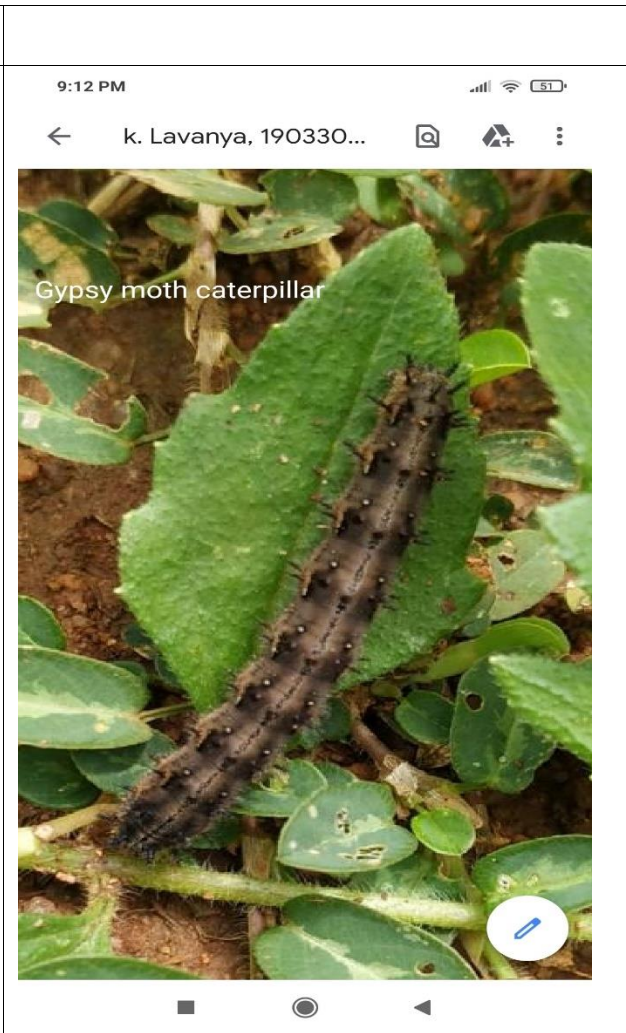
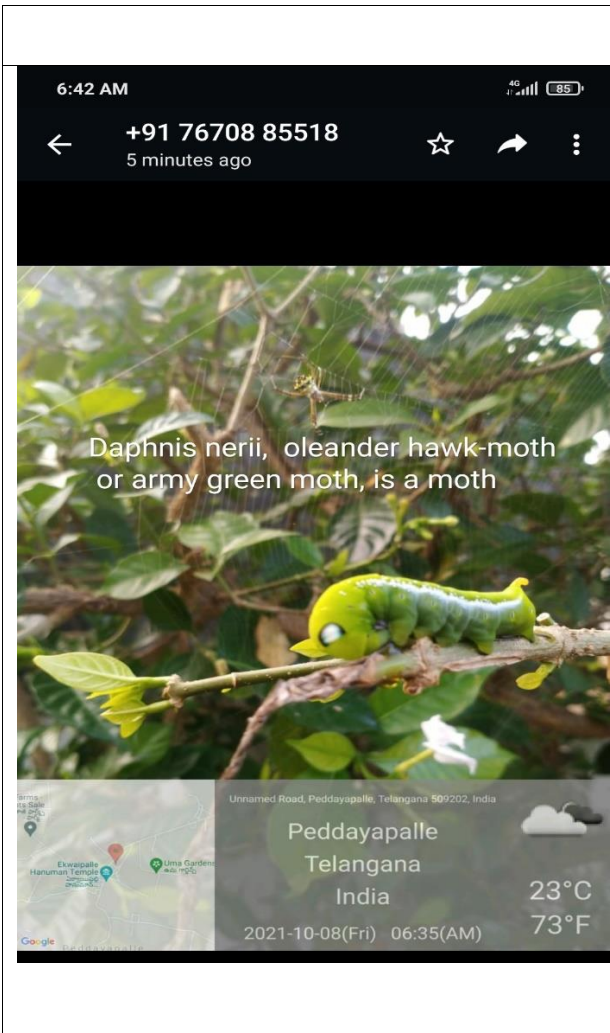
+91 79813 70746

5 photos · Yesterday

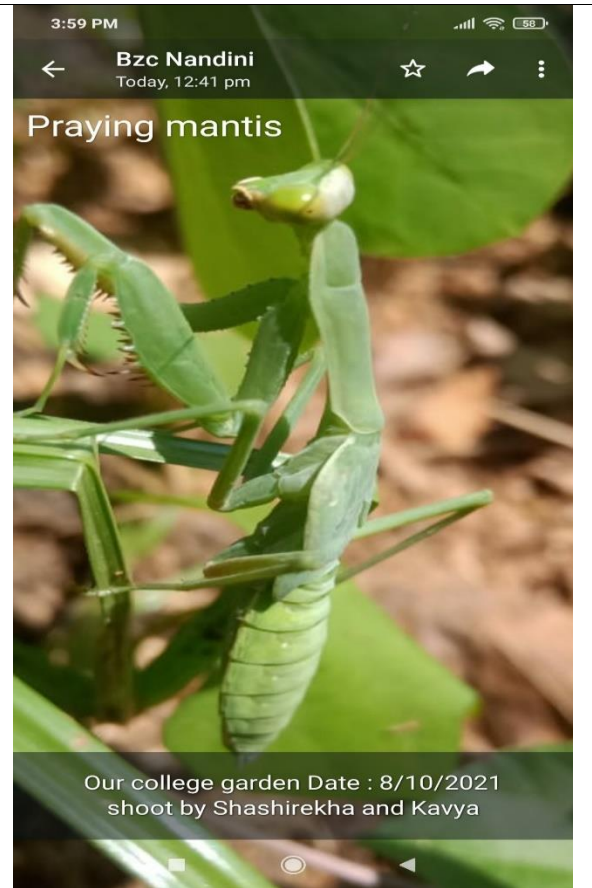
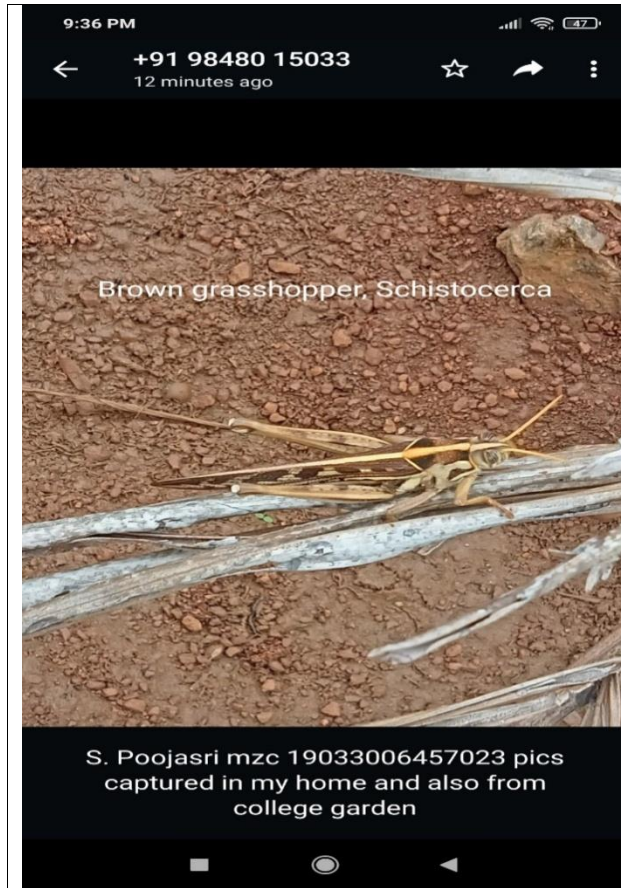


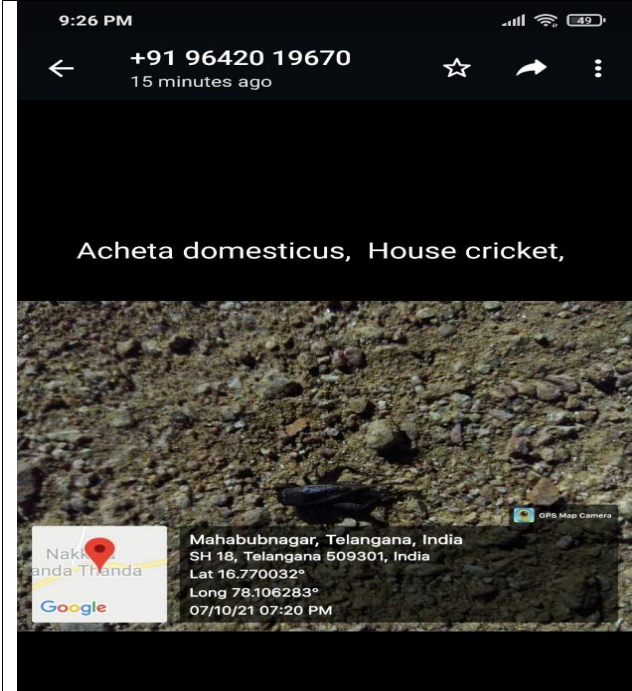









3. Grasshoppers and Crickets





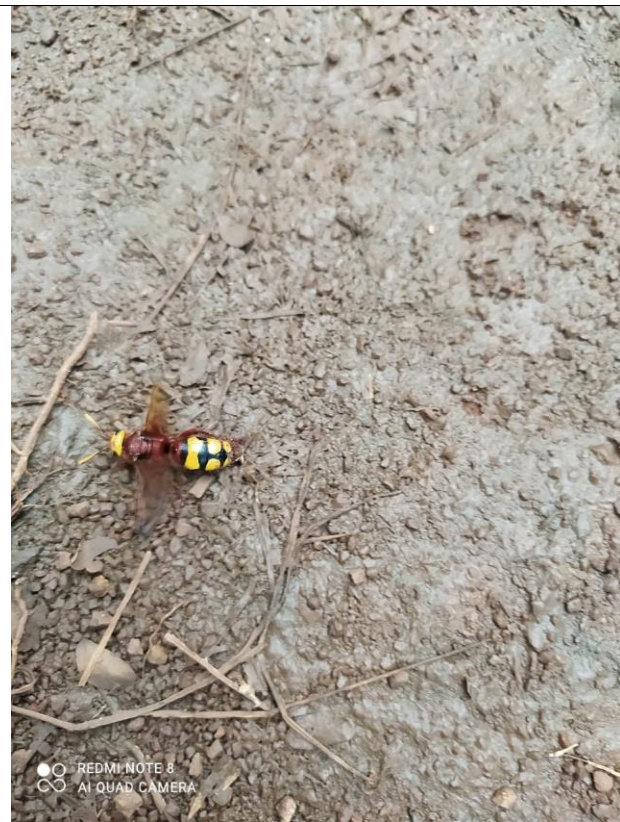
Green grasshopper Omcestus spp

4. Flies

| | |
|--|--|
| <p>12:59 PM</p> <p>+91 96185 53557</p> <p>15 October, 10:56 am</p>  <p>Crane fly, Tipula sp.</p> | <p>9:02 PM</p> <p>k. Lavanya, 190330...</p>  <p>Aedes mosquito</p> |
|  <p>Culex pipens Mosquito</p> | |



Bluebottle fly *Calliphora vomitoria*



Paper wasp *Polistes* spp.

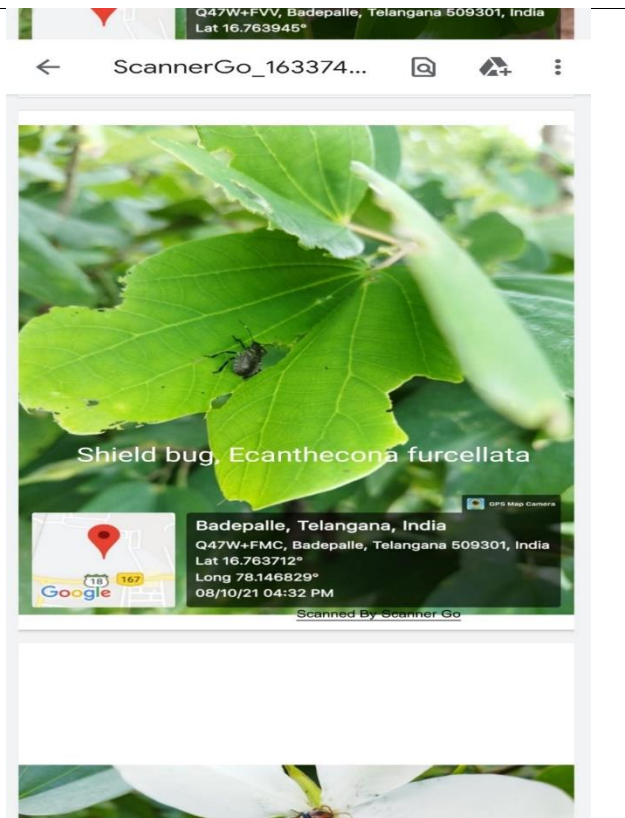
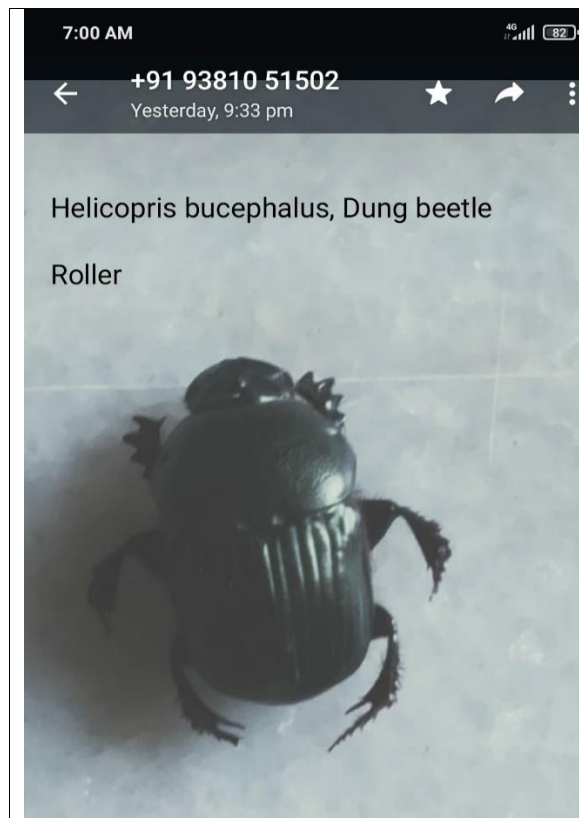
Wasps

Blattodeans



Periplaneta

Beetles



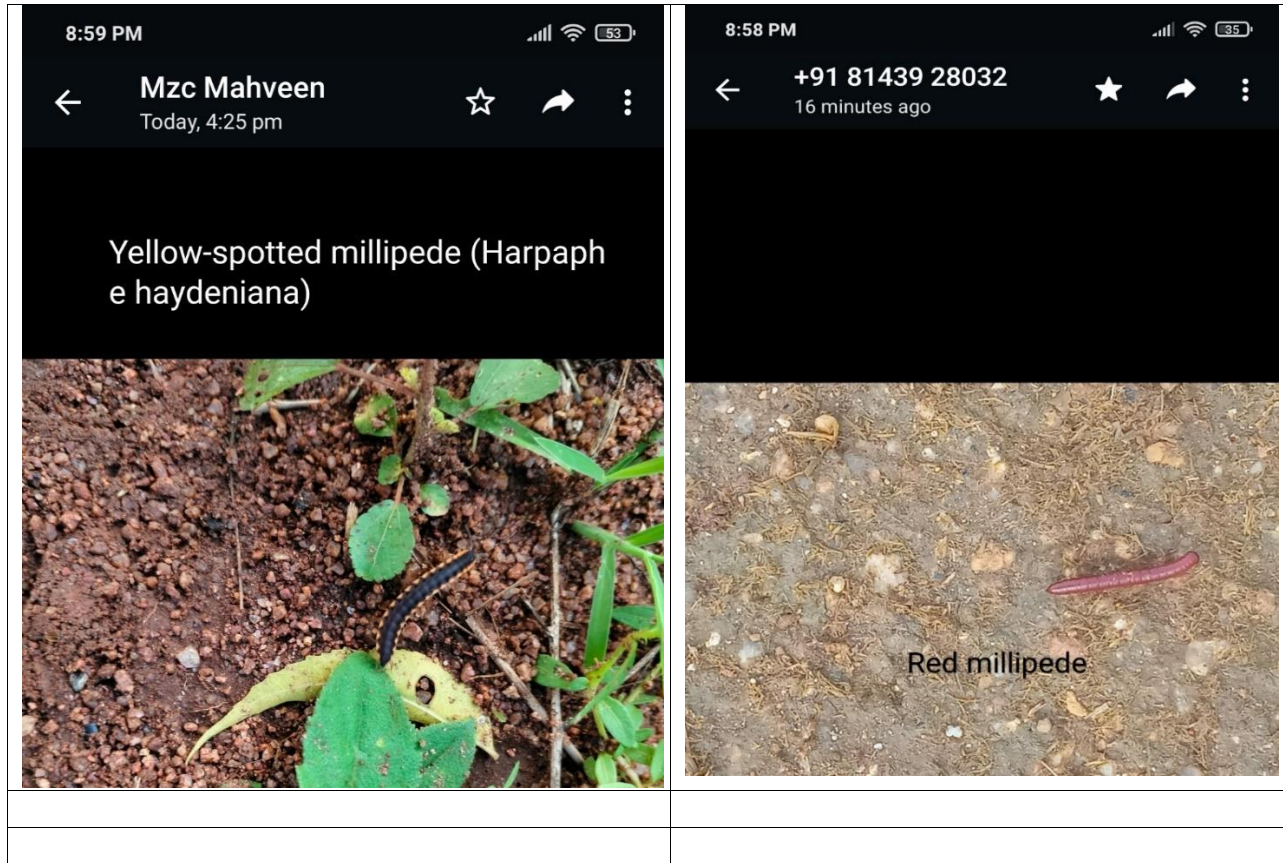
11:25 AM
← +91 96185 53557 31 minutes ago ☆ ↗ ⋮
Gyrinus Sp.
the common whirligig beetle,



Ladybird

beetle Coccinellidae family

Millipedes



Centipedes

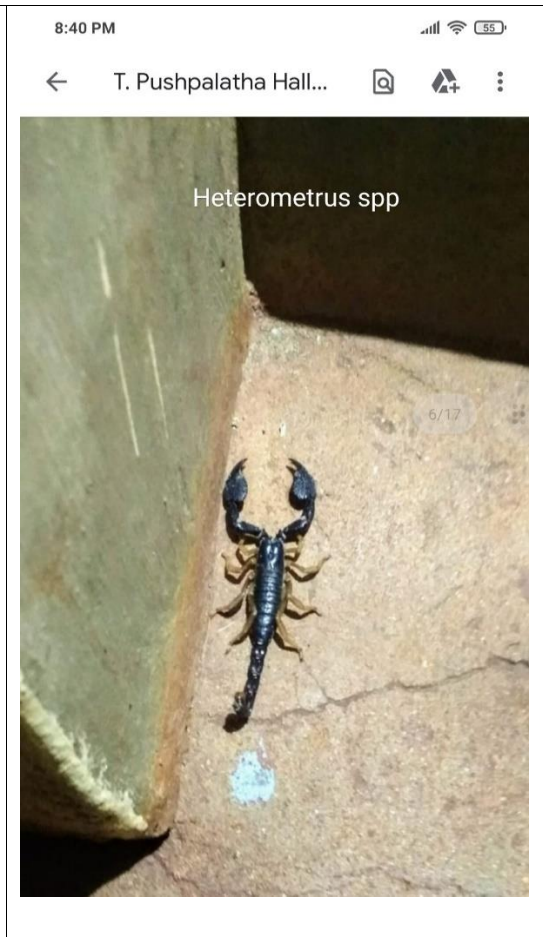
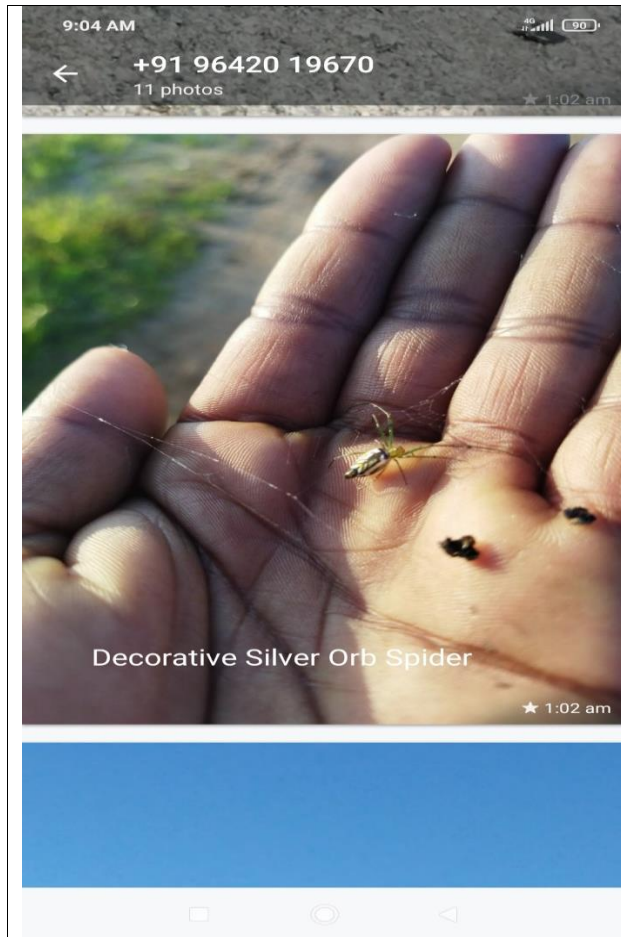


Scolopendra, centepede

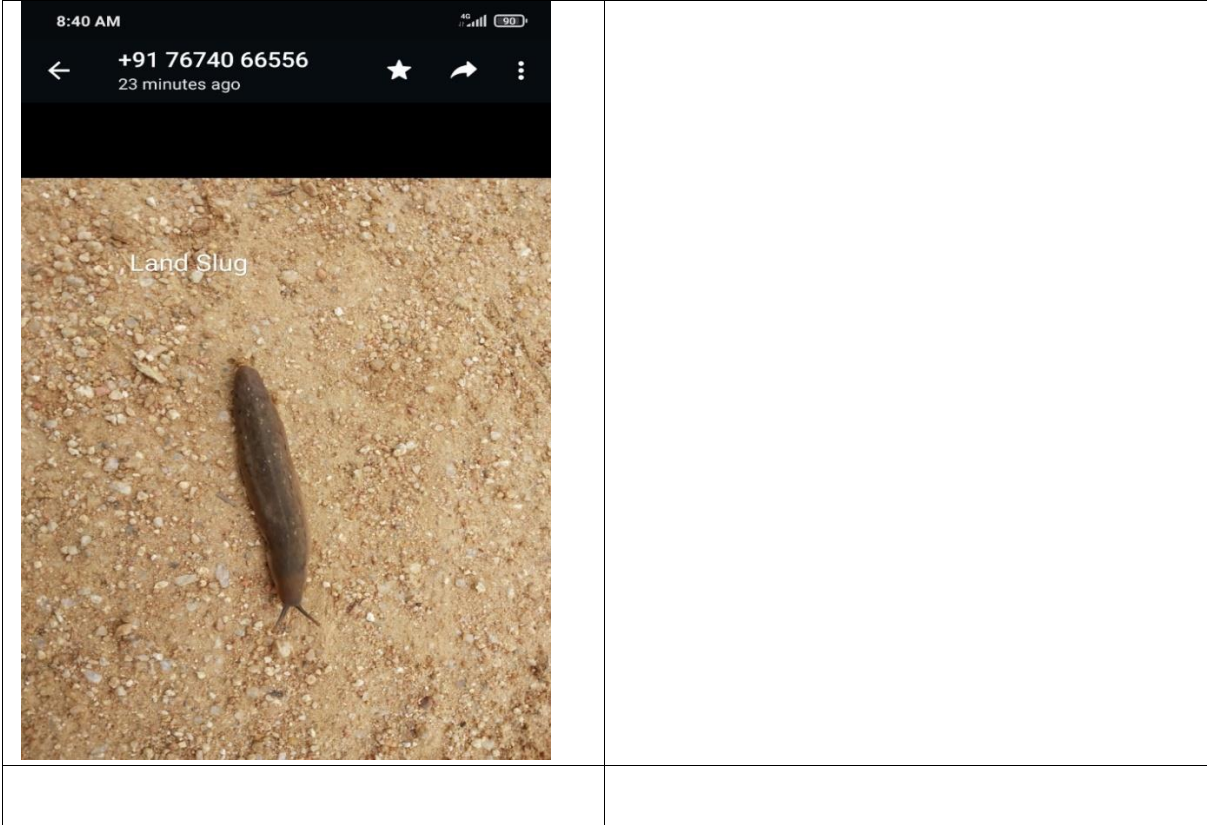
Arachnids



Aranea



Molluscs



Amphibians



Rana hexadactyla Tiger frog

Reptiles





Hemidactylus common gecko

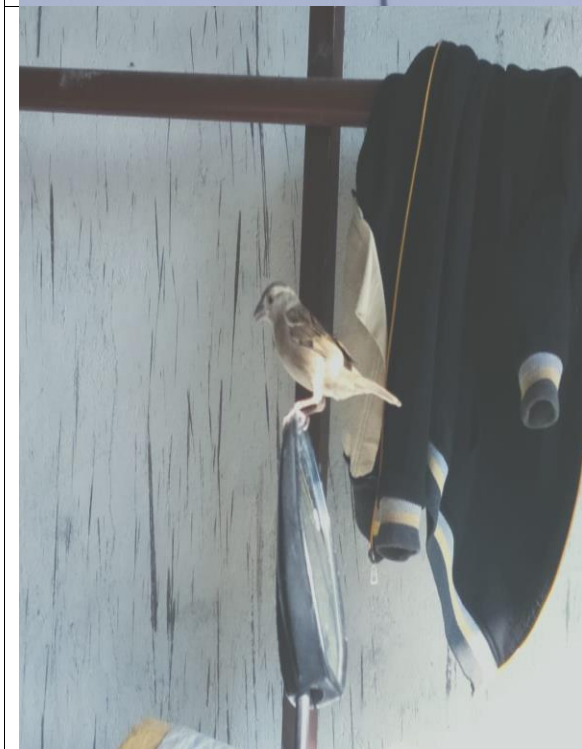




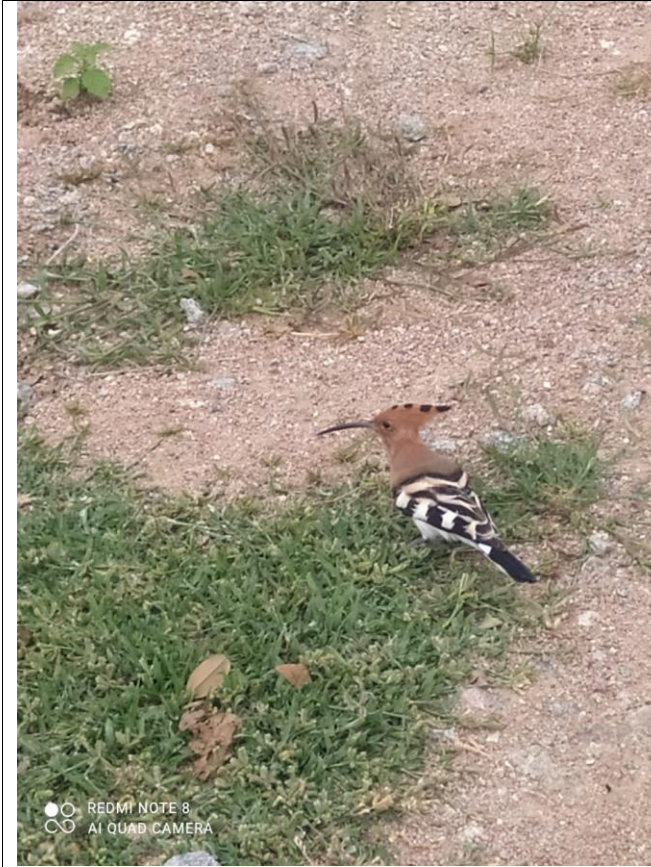
Chameleon zylonicus

Aves

| | |
|---|--|
| <p>11:03 AM</p> <p>Chinthakayala Hari...</p>  <p>Breeds of Columba, Rock pigeon</p> | <p>8:54 PM</p> <p>+91 81439 28032 8 minutes ago</p> <p>common babbler (<i>Argya caudata</i>)</p>  |
| <p>Corvussplendenssplendens</p> | <p>Meropsorientalis Green bee-eater</p> |



Passer domesticus House Sparrow



Upupa epops Wood pecker

Dicrurus macrocercus Black Drongo





Gallus gallus Common fowl

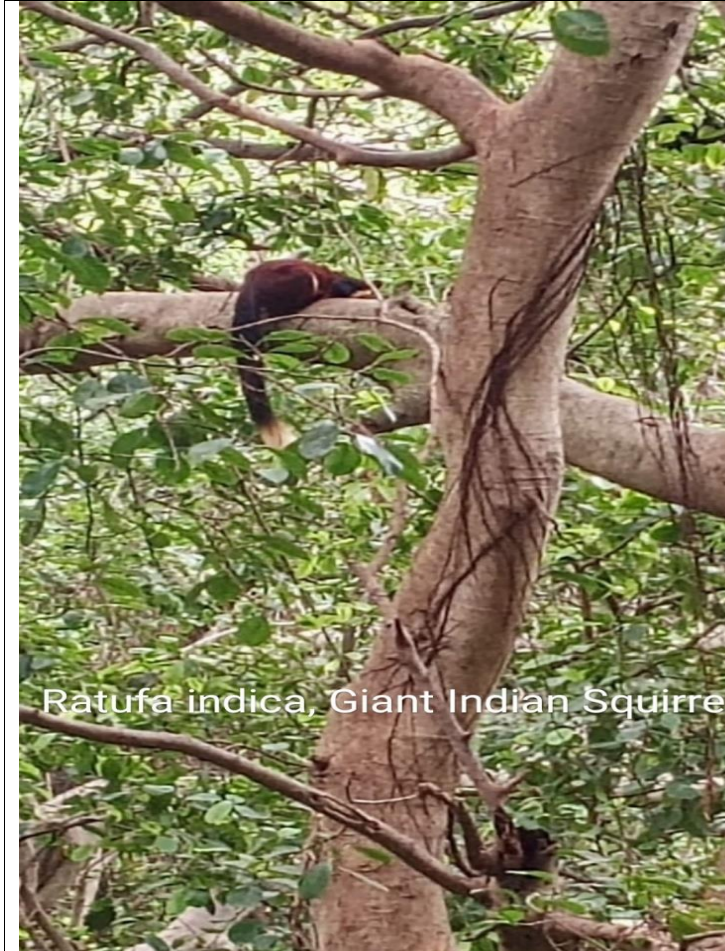


Psittacula krameri ring necked parakeet



House Wren
Troglodytes aedon

Mammals



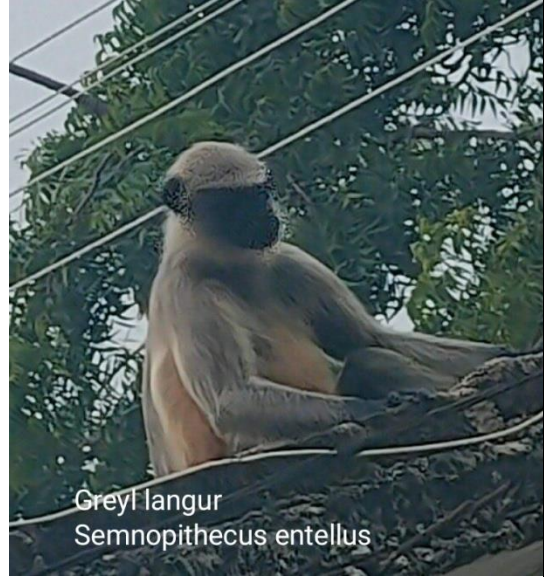
Ratufa indica, Giant Indian Squirrel



Funambulus spp



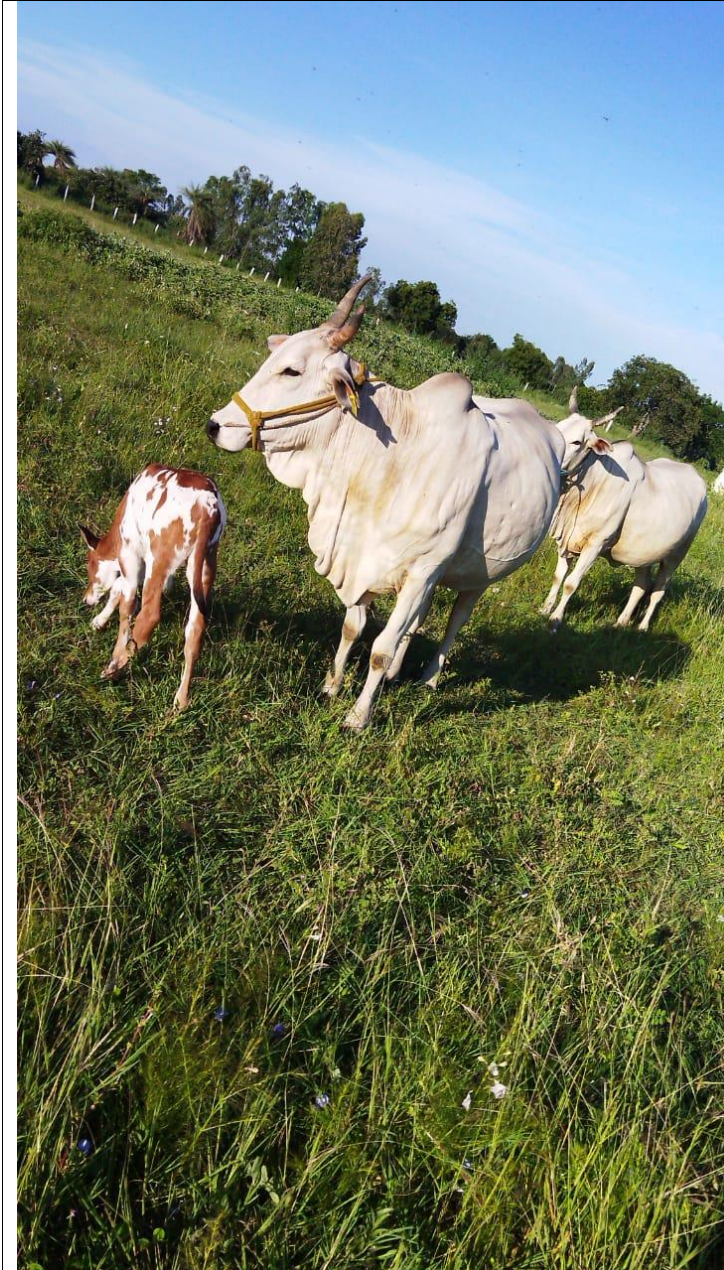
Canis domesticus



Grey langur
Semnopithecus entellus



Felis domesticus Cat



Bos indicus Humped cattle

AUDITING FOR CARBON FOOT PRINT

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

Strength-1375 Teachers-36

2.No.of Students No.of Teachers No.of Non-Teaching staff Gents Ladies Total?

Students Strength - Male-752, Female-623,Total-1375

Teachers - Male-21,Female-15 Total-36

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

03 cars, 8 Bikes per day

4. No. of cycles used

Nil

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

12, 2.25 Liters, Rs: 239

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

3, 29 , Rs: 3074

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 year? Parents turned up(aaprox)

001,65

9. Number of visitors with vehicles per day?

20

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

0.05 Hrs, Rs:26

11.Number of LPG Cylinders used in the canteen(Given the amount of fuel used per day and amount spent).

Nil

12. Quantity of kerosene used in the Canteen/labs(Given 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: 8040

16. Use of any other fossil fuels in the College(given 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.

For short Distance travel, Walking can be Preferred.

18. Are the Rooms in the campus are Well ventilated?

Yes

19. Window floor ratio of the Rooms Good/Not Enough

Good

Audit for Air Quality Management:

Air quality Determination

Air Quality Index (parameters studied/recorded/Seasonal)

| | |
|---------------------|--------------------------|
| NO2 | 13.01 mg/m ³ |
| NO | - |
| O3 | 40.41 mg/m ³ |
| PM2.5 | 15.2 mg/m ³ |
| PM 10 | 70.1 mg/m ³ |
| CO | 1110.0 mg/m ³ |
| Humidity | 65.5 % |
| Barometric Pressure | 1006 ohpa |
| Wind Speed | 12.11 m/s |
| Wind Direction | 301.5 degrees |
| Sun Rise | 6.05 am |
| Sun Set | 6.13 pm |

Audit for Sound Management :

Measurements of Noise level in and around the college

Using Noise detector mobile Application

| S.No | Place | Measurements (Duration in Seconds) | Minimum (dBA) | Maximum (dBA) | Average(dBA) |
|------|-------------|--|------------------|------------------|--------------|
| 1 | Library | 20s | 40 | 48 | 64 |
| 2 | Canteen | 20s | 75 | 85 | 80 |
| 3 | Play ground | 20s | 50 | 55 | 53 |
| 4 | Auditorium | 20s | 35 | 42 | 39 |
| 5 | Class Room | 20s | 50 | 56 | 78 |

Key findings in the college

- 1.RO plant with 500 Ltrs capacity
- 2.Solar Panel with 3 KW capacity
- 3.Telangana Botanical Garden in 4 Acres
- 4.KCR Arboretum in 1.2 Acres
- 5.Greenery with more than 4500 plants , belong to 451 species
- 6.Well ventilated class rooms.
- 7.Sophisticated toilet block for Women and men students and faculty.

Suggestions and Recommendations

Suggestions:

1. Display of Sign boards such as Save water, save electricity , No wastage of food , No wastage of Water, Switch of lights and fans when not in use , dumping of waste materials in the provided dust bins , to bring awareness among the students.
2. Formation of environmental clubs
3. Display of Various slogans and pictures to protect environment.

Recommendations

Water Management

1. Increasing the number of water harvesting pits
2. Improvisation of cleaning at water drinking plants .

Energy Management

1. Installation of More number of Solar Panels.
2. To monitor that electric Switches should be in off position when electric equipments are not in use.

Waste Management

1. Proper maintenance of vermicompost pits.

Green management

1. Improvisation of planting of rare and endangered plants.
2. Proper maintenance of de weeding in the garden area.