
GOVT. DEGREE COLLEGE
BHADRACHALAM-507111
TELANGANA STATE COUNCIL OF HIGHER EDUCATION
ADMINISTRATIVE BLOCK
GOVERNMENT DEGREE COLLGE
BHADRACHALAM BHADRADRI KOTHAGUDEM- DIST.
TELANGNA-507111


GREEN AUDIT REPORT

COLLEGE GREEN AUDIT REPORT

SUBMITTED TO

COMMISSIONERATE OF COLLEGIATE EDUCATION,
HYDERABAD

TELANGANA-507111

SUBMITTED BY

INTERNAL GREEN AUDIT TEAM
GOVERNMENT DEGREE COLLEGE

BHADRACHALAM

BHADRADRI KOTHAGUDEM - DIST.

TELANGANA – 507111

GOVERNMENT DEGREE COLLEGE

BHADRACHALAM-507111.BHADRADRI KOTHAGUDEM DIST

Date:23-02-2023

From,
Sri.D.Bhadraiah.,M.Sc.,M.Ed.,
Principal(FAC),
Government Degree College
Bhadrachalam

To,
The Commissioner
Collegiate Education
Hyderabad

Respected Sir,

This letter serves as a declaration certificate for the Green Audit conducted by Government Degree College on 23-02-2023 at Bhadrachalam

The Green Audit was conducted as part of our commitment to sustainability and reducing our environmental impact. The audit was performed by Internal Committees and External Invitees are involved an assessment of our energy use, waste management practices, water usage, and overall environmental impact.

Based on the results of the audit, we have identified areas where we can make improvements and reduce our environmental impact.

We take our commitment to sustainability seriously and strive to be good stewards of the environment. The Green Audit is just one of the many steps we are taking to achieve this goal.

Govt. Degree & P.G. College BHADRACHALAM

Principal
Govt. Degree College
Bhadrachalam-507 111,
Bhadradri Kothagudem Dist.

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INTRODUCTION

Government College, Bhadrachalam was established in 1980 UGC affiliation under 12 F and 12 B was granted in the year 1992

Since the beginning of the programme, the principal, staff, and CPDC have done all possible to raise the academic standards of rural, underprivileged, and first-generation youngsters.

The college's initial mission was to serve the educational needs of the marginalised and marginalised students in the Bhadrachalam Agency area and nearby mandals. In addition to guaranteeing high-quality teaching and learning, it aspires to promote the holistic development of the students with a focus on extracurricular, co-curricular, and curricular activities.

The college was accredited by NAAC-B and ISO 9001:2015 Certified. The College was recently selected under RUSA (Rashtriya Uchchatar Sikhsa Abhiyan) 2.0 and 2 crores infrastructure grants were granted for up gradation to model college and infrastructure augmentation was nearing completion.

VISION –

To empower the youth, especially belonging to the underprivileged sections of society, through quality education by inculcating philanthropic values and enabling them to meet the challenges of the contemporary knowledge society

MISSION –

To translate the vision into reality the institution is committed to –

• Embrace in its fold students from all sections and categories especially addressing to the needs of
the first generations learner.
• Expose the students (especially the under-privileged ones) to variety of activities, academic and
extraacademic, aiming at their overall development.
• Inculcate humanistic and social values in the students to motivate them towards community
services.
• Kindle the entrepreneurial spirit in students.

• Inspire the young minds to develop the habits of critical thinking to achieve Creative Excellence.

• Promote quality research among the teachers and students.

• Sensitize the students on issues relating to ecology, environment, human rights and gender equality. • Foster global competencies.

Green Audit Objectives:

As a green audit objective, you should seek to reduce the environmental impact of our organization on the environment such as water consumption, waste generation, greenhouse gas emissions and air pollution. Generating less waste and being more efficient will not only help you reduce costs but will also help meet regulations and requirements set by governing bodies.

- An assessment of environmental risks that consider soil, water, solid and electronic waste, emissions, potentially dangerous products, and noise pollution.
- Strategies for reducing waste and reducing environmental pollution.
- The efficient use of water, energy, and other natural resources.
- Product life cycle analysis and recycling initiatives.
- Plans and processes for responding to emergencies.

Methodology adopted

The practices are assessed over time and are measured against relevant environmental factors, such as greenhouse gas emissions, water use per unit of production or waste generation. Green Audit methodology is based on ISO/IEC 19752 (2009), which establishes a structured framework for voluntary auditing to evaluate the extent to which an organization has implemented environmental management systems and processes by identifying the key aims, outcomes and performance indicators; establishing specific procedures that allow those against whom the audit is conducted to understand what we will be measuring; documenting your findings before they are published in your organization's annual report;"

- The Internal Green Audit Team made on-site field visits and observations of the actual situation.

- Inquiries were made among various stakeholders to learn about the various components in connection with water use, energy consumption, and waste disposal, etc. The water quality analysis was carried out using standard protocols. The audit is carried out in the form of interviews based on the questionnaire and checklists.
- Satellite photos of the college and tree canopy were mapped using GIS technologies.
  Air quality analyses of the College campus were carried out usingstandard protocol.
- The noise levels were measured using a Sound Level Meter at selectedsampling stations within the campus.

Different standard protocols were followed to document and estimate thefloral and faunal account.

INTERNAL GREEN AUDIT COMMITTEE

Chairman Sri. D.Bhadraiah, Principal(FAC) Government Degree College Bhadrchalam	Vice-Chairmen (IQAC COORDINATOR) Sri. V.Kameswar rao, Asst. Prof. of History
P.UPENDER FOREST RANGER OFFICER External Invitee BHADRACHALAM DIVISION TELANGANA-507111	G.VENKATEWARA RAO MD (HOMEOPATHY) External Invitee GOVERNMENT AREA HOSPITAL BHADRACHALAM TELANGANA-507111
Member 1. Sri. D. Veeranna, Asst. Prof. of Chemistry	Member 2. Sri. A.Srinu, Faculty in Zoology.
Member 3. Sri.. B.Venkateswarlu , Faculty in Physics.	Member 4. Smt.Dr.N.Naga sameera , Faculty in Botany.
Sri. B.Srinivas Special invitee Principal GDC, Manuguru	Sri. S.Syam prasad Coordinator Green Audit Asst. Prof. of Botany

Student Members	
1. P.Sai Meghana III B.Sc(BZC)	3. B.Divya sree III B.Sc(MPCs)
2. K.Ganesh, III B.Sc(BZCs)	4. K. Durga Manikanta II B.Sc(MPCs)

College Profile

Name of the College: GOVERNMENT DEGREE COLLEGE, BHADRACHALAM

Address: KUNAVARAM ROAD BHADRACHALAM – 507111.

Contact Info: mail :**bhadrachalam.jkc2@gmail.com**

Prl-gdc-bcm-ce@telangna.gov.in

Mobile : 7989235720

Campus Area **2.17 acres (8781.677 sq.metre)**

Built-up Area: **1 ACRE.63CENTS**

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

The student and faculty strength of the college:

Strength	Male	Female	Total
No of students	678	701	1379
No of Teaching Staff	21	11	32
No of Non-Teaching staff	07	07	14

Physical Structure

The available land of the college: **2 acres and 17 Guntas.**

The built-up area of the college: **6596.376 Sq.Ft.**

No. of Class Rooms	23
No. of Laboratories	19
No. of Conference halls	01
Library Halls	01
Open Auditorium	01
Canteen	01

Any other (please specify)	**IQAC room – 1** **Staff rooms – 3** **Examination branch – 1** **Dr. BRAOU Study centre – 1** **Gym – 1** **Office – 1** **Sports room – 1** **NSS room – 1** **Virtual Class room – 1** **Girls' waiting Hall 1**

Objectives :	1. Evaluation of green initiatives 2. Evaluation of the best use of energy, water, and other natural resources
Prepared by:	**INTERNAL GREEN AUDIT TEAM** **GOVERNMENT DEGREE COLLEGE, BHADRACHALAM** **BHADRADRI KOTHAGUDEM DIST 507111**
Approved by:	
Remarks :	

FORMS AND SUPPORT MATERIAL	
Questionnaire Document ref. name/no.:	
Checklist for Environmental Audit Document ref. name/no.:	
Additional forms and support material:	GEO-tagged photographs.

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	The typical questionnaire and check-lists are developed for the area to be audited before the actual individual audits are carried out. It is done using established procedures, objectivesand action plans. They can be used to measure results in each area. 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.	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	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. 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.	Internal audit team
Follow-up	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 reort is prepared.	Coordinator
Reporting	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.	External Audit team/ Principal/ IQAC coordinator

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, LPG, Solar Energy

2. Electricity bill amount for the last year

   Rs.34572/-

3. Amount paid for LPG cylinders for last one year

   Rs. 1650/-

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

   No

5. Are there any energy saving methods employed in your college? Ifyes, please specify. If not, suggest some.

   Use of LED Tubes, LED TV & 5-Star power rated Refrigerator.

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

   Rs.3,019/- (Electricity & gas)

7. How many CFL bulbs has your college installed? Mention use (Hoursused/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).

   Nil

9. How many LED bulbs are used in your college? Mention the use(Hours used/day for how many days in a month)

198 LEDs – 6 Hours per day & 25days (Avg)

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

3.96 kWh

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

Nil -All replaced with LED

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

Nil

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

180 fans installed 6 Hours per day & 25 days (Avg)

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

10.80 kWh

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

5 Air Conditioners only used in summer

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

7.0 kWh

17. How many electrical equipment including weighing balance are installed at your college? Mention the use (Hours used/day for how manydays in a month)

S.No	Electrical Appliances	Number	Number of Hours used per Day	Number ofDays used in a Month
1	LED TUBES	198	6	25
2	FANS	180	6	25
3	COMPUTERS	92	2	25
4	PROJECTERS	07	4	25
5	PRINTERS	18	1	20
6	REFRIGERATOR	02	24	30
7	LAPTOPS	02	4	20
8	A/C	05	1	15
9	EXHAUST FAN	06	4	25
10	PHOTOSTAT MACHINE	02	2	20
11	INVERTOR	02	1	30
12	TV	01	1	25

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

SLNO	Electrical Appliances	NUMBER	POWER(W)/ UNIT	TOTAL POWER (W)	KW	OPERATION / DAY	KW/ hr	NO.OF DAYS IN MONTH TOTAL	TOTAL CONSUMATION PER MONNTH (KWH)
1	LED TUBES	198	20	3960	3.94	6	23.9	25	594
2	FANS	180	60	10800	10.8	6	64.8	25	1620
3	COMPUTERS	92	250	23000	23	4	92	25	2300
4	PROJECTERS	7	280	1960	1.96	1	1.96	25	49
5	PRINTERS	18	60	1080	1.08	1	1.08	20	21.6
6	REFRIGERATOR	2	150	300	0.3	24	7.2	30	216
7	LAPTOPS	2	50	100	0.1	4	0.4	20	8
8	A/C	5	7000	35000	35	1	35	15	525
9	EXHAUST FAN	6	32	192	1.92	4	7.68	25	182
10	PHOTOSTAT MACHINE	2	150	300	0.3	2	0.6	20	12
11	INVERTOR	2	250	500	0.5	2	1	30	30
12	TV	1	70	70	0.07	1	0.07	25	1.75
								TOTAL	5559

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

92 Computers - 4 hours – 25 days

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

25 kWh

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

02– 2hrs used 20 days

22. How many cooling apparatus are in installed in your college? Mentionuse (Hours used/day for how many days in a month)

NO

23. Energy used by each cooling apparatus per month? (kWh) Mentionuse (Hours used/day for how many days in a month)

NO

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 yourcollege installed? Mentions use (Hours used/day for how many days in a month)

Photocopier – 2

Hours used per day – 2 hours

Number of days used in a month – 20 days
Energy consumed - 12.5 kWh per month

Inverters installed – 2

Hours used per day – 1
Number of days used in a month – 30 daysEnergy consumed – 30 kWh per month

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

15 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)

NO

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

NO

28. How many heaters are used in the canteen of your college? Mentionthe 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?

02

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

25.92 kWh

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

1 TV in our College

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

1.75 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)

2 Refrigerators – 216 kWh per month energy used 24 hours and 30 days in a month.

35. Are any alternative energy sources/nonconventional energy sources employed / installed in your college? (Photovoltaic cells for solar energy,windmill, and energy efficient stoves, etc.) Specify

NO.

36. Do you run "switch off" drills at college?

Yes, regularly. Switch off electricity after use.

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, 2 hours a day.

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

1.Make sure all equipment is unplugged over the holidays.

2.While not in use, turn off electrical devices.

3.Upkeep of the distilled water level and inverter batteries.

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

15

41. How much ash is collected after burning firewood per day in thecanteen?

Nil

42. Write a note on the methods/practices/adaptations by which you canreduce the energy use in your college campus in future.

1.We are using sustainable energy sources and promote climate-friendly attitudes among students and staff to reduce electricity consumption.
2.Making the campus more solar powered
3.After use, turn off the electrical equipment.
4.Keeping energy-saving display boards in classrooms
5.Consistent mock exercises on energy conservation.


SOLAR LAMP
GPS Map Camera
Bhadrachalam, Andhra Pradesh, India
MV7Q+HR2, Bhadrachalam, Andhra Pradesh
507111, India
Lat 17.664269°
Long 80.889606°


GPS Map Camera
Bhadrachalam, Telangana, India
MV6R+H7J, ITC Staff Colony, Bhadrachalam,
Telangana 507111, India
Lat 17.664326°


GPS Map Camera
Bhadrachalam, Telangana, India
MV6R+H7J, ITC Staff Colony, Bhadrachalam, Telangana
507111, India
Lat 17.664376°


Estd 1980

AUDITING FOR WASTE MANAGEMENT

1 What is the total strength of students, teachers and Non-teaching

2. staff in your College?

No. of students	1379
No. of Teachers	32
No. of Non-teaching staff	14
Gents	706
Ladies	719
Total	1425

2 .Which of the following are available in your College?

Give area occupied	2. acres.17 gunta
Garden area	3484.8 sq.ft.
Garbage dump (number)	1
Playground area	NIL
Laboratory	20
Kitchen	NIL
Canteen	1
Toilets	21
Car/scooter shed	1
Number of class rooms	21
Office rooms	1
Girls waiting hall	1
Store room	1
Examination Branch	1
Seminar Hall	1
NSS room	1
Library	1
Mana TV/T-SAT room	1
Gym	1

3. 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	NO
Stagnant water	NO
Open drainage Industry	NO
Bus / Railway station Market / shopping complex / public halls	NO

WASTE

Does your college generate any waste? Ifso, what are they?	YES
How much quantity?	2 KGS a day
Number or weight E-waste Hazardouswaste (toxic) –	144 (not working)
Solid waste:	Paper waste, pencil waste, class room waste, used pens, Used Masks,used plant twigs & work material
Dry leaves:	3 kgs for a day
Canteen waste:	below 1kg for a day
Liquid waste	Nil (use water supply to garden)
Glass	Nil
Unused equipment	YES
Medical waste if any	NIL
Napkins Others (Specify):	NIL (using incinerator for napkin burning purpose)
Is there any waste treatmentsystem in the college	1. Vermi compost.
	2. Bio compost
Is there any treatment for toilet/urinal/sanitarynapkin waste	
Toilet	**NO**
urinal	**NO**
sanitary waste	**YES (INCINERATOR)**

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

below ½ kg paperwaste for a day

2. Why waste is a problem? : **waste if not segregated and composted**

3. Whether waste is polluting ground/surface water? How? : **NO**

4. Whether waste is polluting the air of the college? How? : **YES,**

Smoke and chemical vapors from a chemistry lab, an incinerator.

5. How is the waste generated in the college managed?Methods adopted:

1) Composting
2) Reusing.

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

2(two)

What should be the use for each box? (Develop a Colour code with reasons)

Green- biodegradable; blue – Non- Biodegradable.

7. Do you use recycled paper in College?

Yes,Purchased recycled paper bundles from stationery used.

8. Is there any waste wealth program practiced in college?Approx. Bio degradable **< 1 kg.**

Approx. Non-Bio degradable < **1 kg.**

Approx. Hazardous Others - **Nil**

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

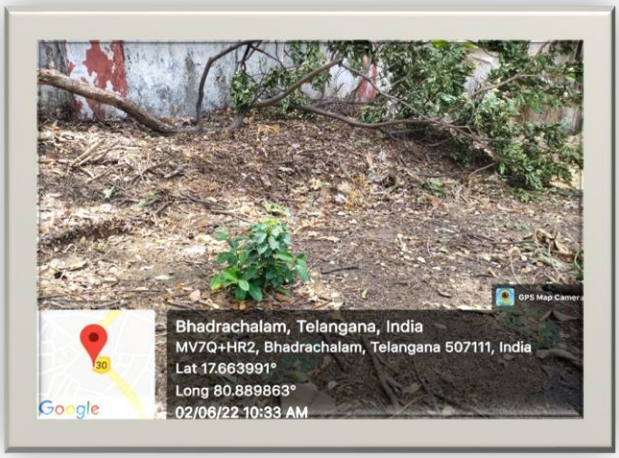
1.Participating in environmental education initiatives in neighbouring communities,

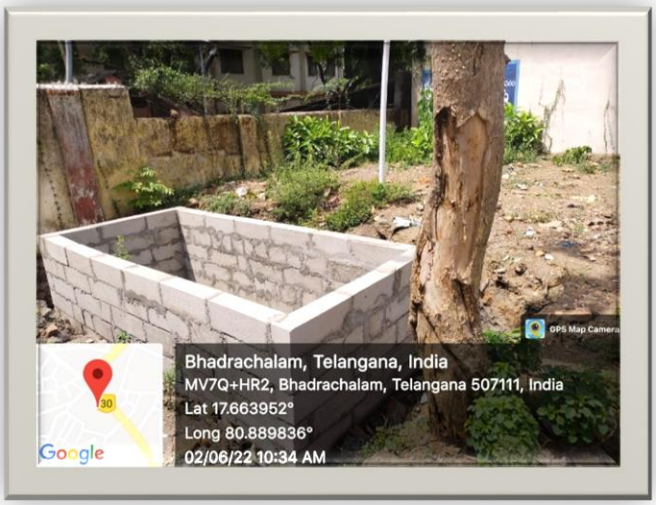
the Eco Club and NSS units.

2.Created water harvesting holes.

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

Yes, 2 ways Reduce, Refuse 1). Vermicompost 2). Bio-compost





AUDITING FOR WATER MANAGEMENT

1.List out uses of water in your college.

Drinking, gardening, restrooms, a canteen, a lab, washrooms, and miscellaneous purposes.

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

Tube Well

3. How many wells are there in your college?

Two - Bore wells

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

One

5. What is the total horsepower of each motor?

One HP

6. What is the depth of each well?

120 feet

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

70 feet bore

8. How does your college store water?

Water stored in overhead tanks

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

6000 Liters

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

5600 Liters

11. If there is water wastage, specify why.

No

12. How can the wastage be prevented / stopped?

Water wastage can be prevented by avoiding to use too much at a time.

13. Locate the point of entry of water and point of exit of waste water inyour College. –

From East corner of the campus and waste water goes out from west end

14. Where does waste water come from?

Laboratories sink & wash areas

15. Where does the waste water go?

Channeled to Drainage

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

Channeled to gardens

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

No, it flows into drainage

18. Is there any treatment for the lab water?

Lab water is passed through active charcoal then into drainage.

19. Whether green chemistry methods are practiced in your labs?

Yes, Active Charcoal method.

20. Write down four ways that could reduce the amount of water used in your college.

1. Planting drought resistant trees and plants

2. We are planning to sprinklers for gardening

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

No

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?

136 Taps – 2500 liters (approximate)

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

There are 12 Bath rooms in Staff rooms and approx. 300 liters of water is used per day.

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

No of toilets- 21 and

Urinals- 35

Water used per day-1500 liters

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

1 tap - 300 liters

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

1500 liters

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

There are 31 taps present in laboratories and approx. 100liters of water used per day in each lab.

30. Total use of water in each hostel?

NA

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

	Toilets and Urinals	**labs**	**Garden**	**Drinking water**	**Canten**	**Hostel**	**Bath rooms**
Per day usage	1500 L	500L	1500 L	1500 L	300 L	NIL	300 L
Per month usage	40000 L	25000 L	45000 L	36000 L	6000 L	NIL	7500 L

32. Is there any water used for agricultural purposes?

NIL

33. Does your college harvest rainwater?

Yes

34. If yes, how many rain water harvesting units are there?

04

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

37. Are there any waterless toilets?

No

38. How many water fountains are there?

NIL

39. How many water fountains are leaky?

NIL

40. Is drip irrigation used to water plants outside?
Yes (Sprinklers are used)

41. How often is the garden watered?

Dialy

42. Quantity of water used to watering 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)

No

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

One acer

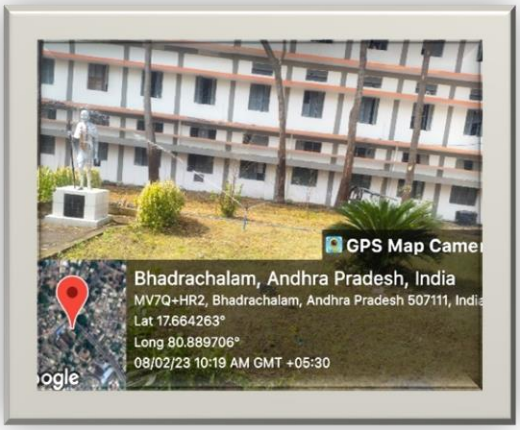
46. Is there any water management plan in the college?

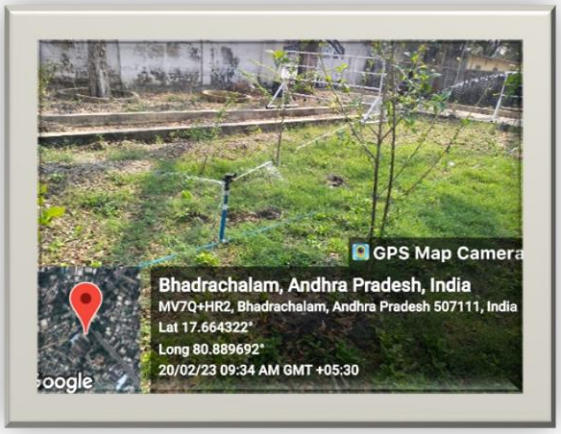
No

47. Are there any water saving techniques followed in your college? Whatare they?

Regular inspection for tap and fitting leaks

48. Please share Some IDEA for how your college could save more water.
Displays with captions about water management





SPINKLER IRRIGTATION SYSTEM

RAIN HARVERSING PITS

AUDITING FOR GREEN CAMPUS MANAGEMENT

1. **Is there a garden in your college? Area?**
   - Yes
   - It is located in about 1/2.Acres area

2. **Do students spend time in the garden?**

- Yes, students participate in garden labour on a regular basis and perform tasks like weeding, trimming, and planting saplings in addition to caring for adopted plants.

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

GOVERNMENT COLLEGE, BHADRACHALAM BHADRADRI KOTHAGUDEM Dist		
LIST OF PLANTS IN BOTANICAL GARDEN		
S.N o	**Botanical Name**	**No.of Species**
1	Azadirachta indica	4
2	Mangifera indica	1
3	Acalypha indica	numerous
4	Achyranthes aspera	numerous
5	Agave americana	3
6	Albizzia lebbeck	8
7	Aloe vera	5
8	Andrographis paniculata	numerous
9	Andrographis umbellata	numerous
10	Aerva lanata	numerous
11	Euphorbia heterophylla	6
12	Hibiscus rosa sinensis	80
13	Ocimum tenuiflorum	numerous
14	Ricinus communis	15
15	Rosa indica	20
16	Tectona grandis	2
17	Tephrosia purpurea	numerous
18	Tinospora cordifolia	2
19	Tribulus terrestris	5
20	Tridax procumbens	numerous
21	Ruellia Tuberosa	2
22	Ficus Racemosa	3

23	**Piptiques argenteus**	**1**
24	**Acalypha wilkesiana**	**2**
25	**Pipturus argenteus**	**2**
26	**Albizia julibrissin**	**4**
27	**Phyllanthus urinaria**	**numerous**
28	**Crateva religiosa**	**2**
29	**Holoptelea integrifolia**	**2**
30	**Acacia mimosa**	**2**
31	**Mimosa pudica**	**numerous**
32	**Premna serratifolia**	**2**
33	**Emblica officinalis**	**4**
34	**Tithonia diversifolia**	**1**
35	**Cordyline fruticosa**	**5**
36	**Euphorbia tithymaloides**	**3**

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

- Only Herbs & Ornamental plants required

5. List the species planted by the students, with numbers.

S.NO.	Name of Plant variant		Grand total
	Scientific Name	Local name	
1	Polyalthia longifolia	Asoka/ Naramamidi	4
2	Agave americana	Blue agave	3
3	Hibiscus rosa sinensis	Mandara	50
4	Rosa indica	Gulabi	10

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

- **Yes displayed & Recently Q.R. Codes also accommodated**

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

- Yes plantation proceeded in the part of Harithaharam

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).**

    - About 1500 L

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

    - Dr.N.NAGA SAMEERA, Lecturer in Zoology
    - S. SYAM PRASAD, Asst.Prof. of Botany
    - A.SRINU Lecturer in Zoology

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?**

    - No, vermicompost manufactured on a college campus is used as a supplement to flowering and fruit-producing plants instead of insecticides..

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, Vermicompost & Bio compost that prepared in the college campus utilized as a supplement to flowering & fruit yielding plants .

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

- No, vegetable harvesting in the campus.

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

- Yes

Details Of Flora in Botanical garden

S.NO.	Name of Plant variant		Grand total
	Scientific Name	Local name	
1	Phyllanthus emblica	Usiri	12
2	Bambusa vulgaris	veduru	10
3	Azadiracta indica	Vepa	5
4	Crinum lilly	white lilly	20
5	Nireum oleander	White MuddaGanneru	20
6	Opuntia	Brahmajemudu	5
7	Tecoma	Voilet bell flower plant	23
8	Tecoma	Orange bell flower plant	21
9	Tecomastans	Yellow bell flower	40

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

S.NO.	Name of Plant variant	
	Scientific Name	Grand total
1	Tinospora cordifolia	2
2	Acalypha indica	numerous
3	Murraya koenigii	4
4	Aloe vera	10
5	Bryophyllum Pinnatum	6
6	Cymbopogon citratus	20
7	Catharanthus roseus	8
8	Hemidesmus indicus	n
9	Aerva lanata	numerous
10	Achyranthes aspera	numerous
11	Calotropis gigantea	numerous
12	Annona squamosa	20
13	Ocimum tenuiflorum	numerous
14	Sida cordifolia	numerous
15	Euphorbia hirta	numerous
16	Datura metulae	6
17	Aristolochia indica	20
18	Tephrosia purpurea	numerous
19	Eclipta alba	4
20	Tridax procumbens	numerous

20. Any threatened plant species planted/conserved?

- **Yes (Cycus plant)-Gymnosperm**

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

- Yes
- Plantation of saplings
- Protection
- Maintain Bio diversity

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.

- Yes

S.NO.	Name of Plant variant	
	Scientific Name	Grand total
1	Syzygium cumini	2
2	psidium guava	1
3	Emblica officinalis	4
4	Mangifera indica	1
5	caryota mitis	1

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?

- Yes (Sprinkler System)

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

- Trees & Ornamental plants

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

- Haritha Haram
- Eco club

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

- Plantation of saplings
- Protection, Watering to plants

- Maintain Bio diversity

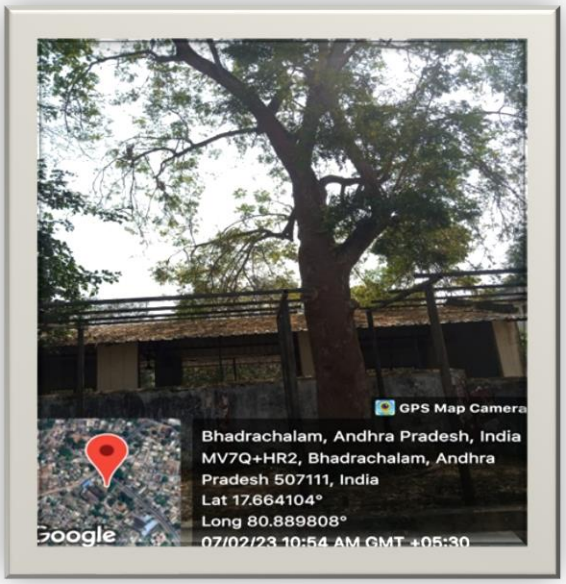
29. What is the total area of the campus under tree cover? Or under tree canopy?

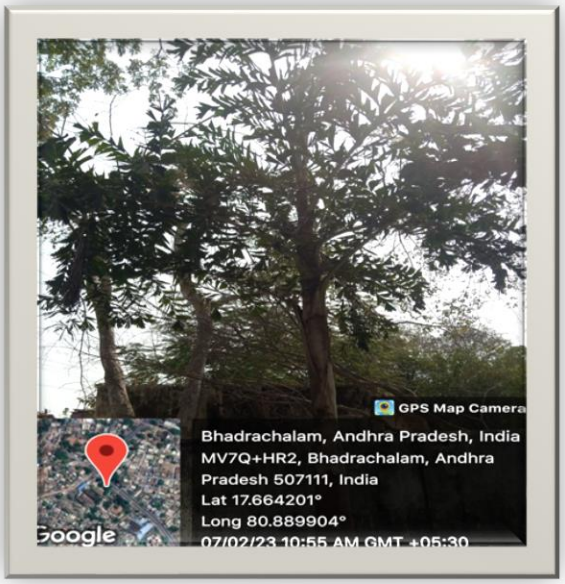
- It is located in about 0.6 Acres area

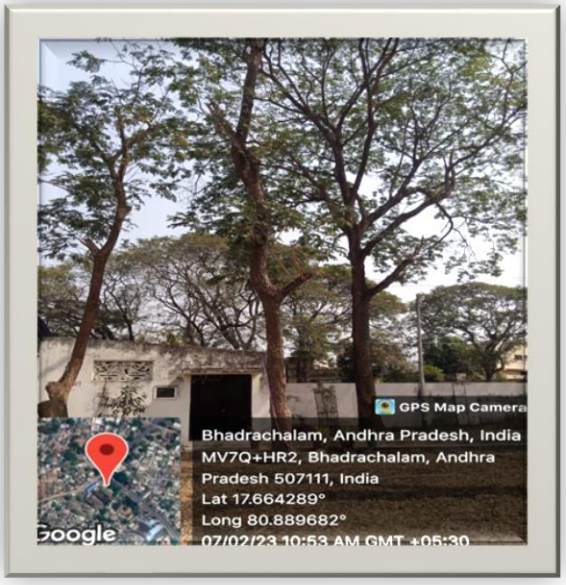
30. Share your IDEAS for further improvement of green cover.

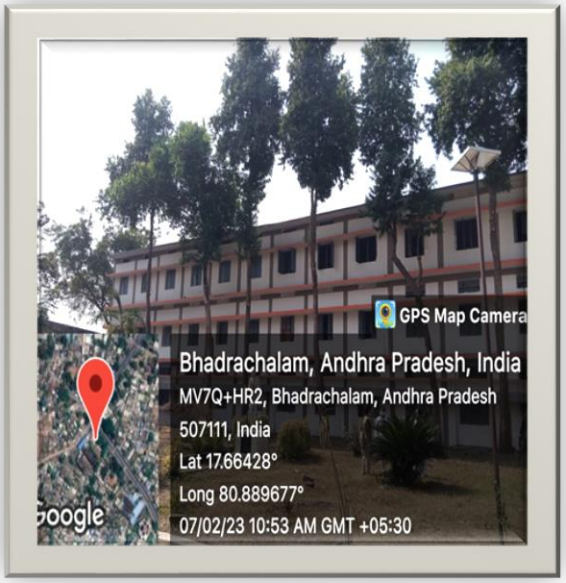
- Frequent planting of seedlings during the Monsoon season at the locations of dead plants.
- Maintenance & Defense
- Garden upkeep and the deliberate planting of new species of beautiful plants in the garden
- Promote student participation

Floral diversity in college campus (with Photographic evidence)





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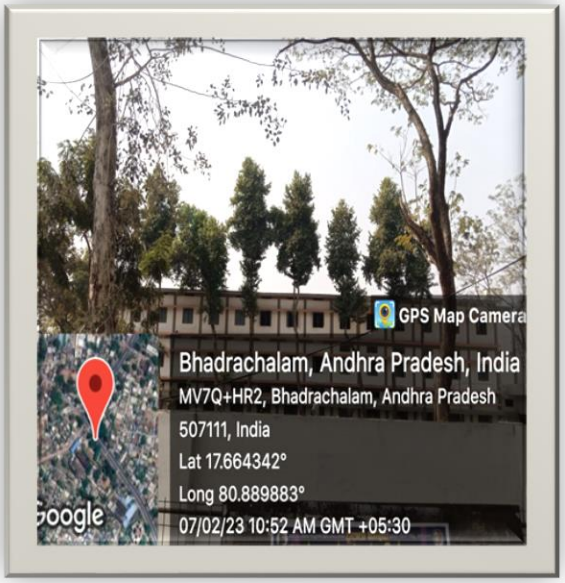
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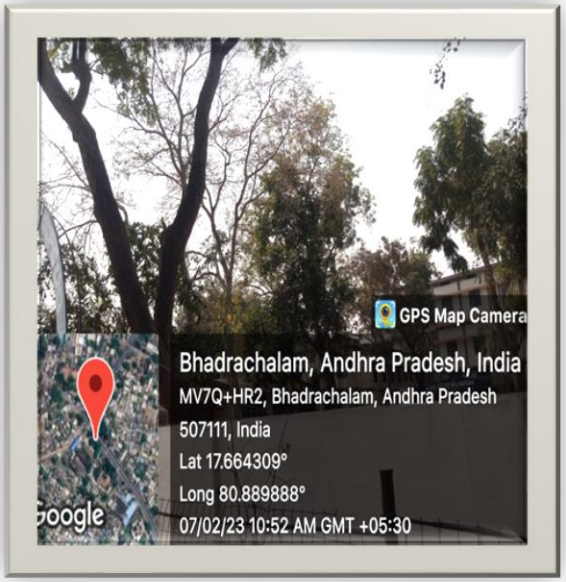
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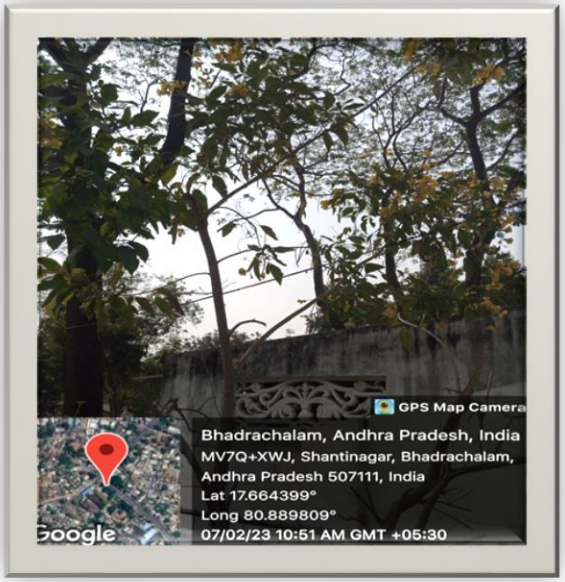
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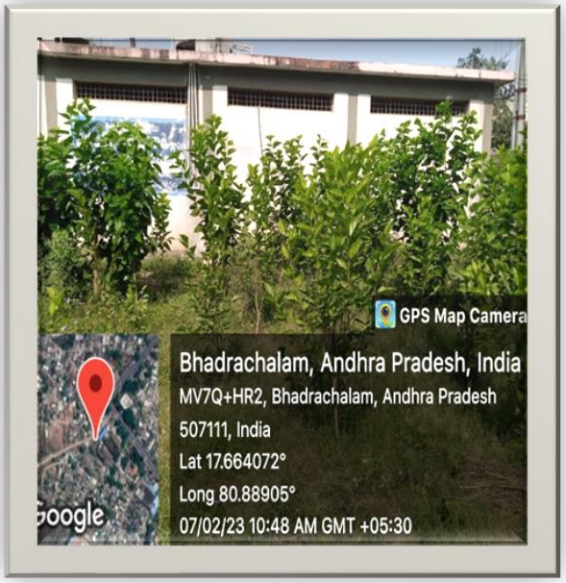
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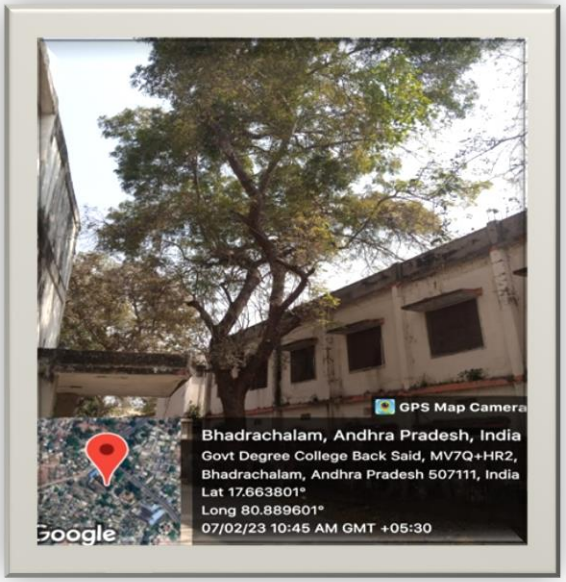
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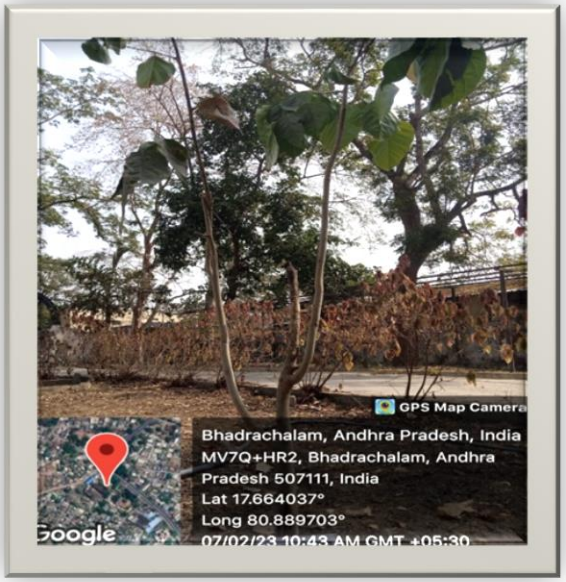
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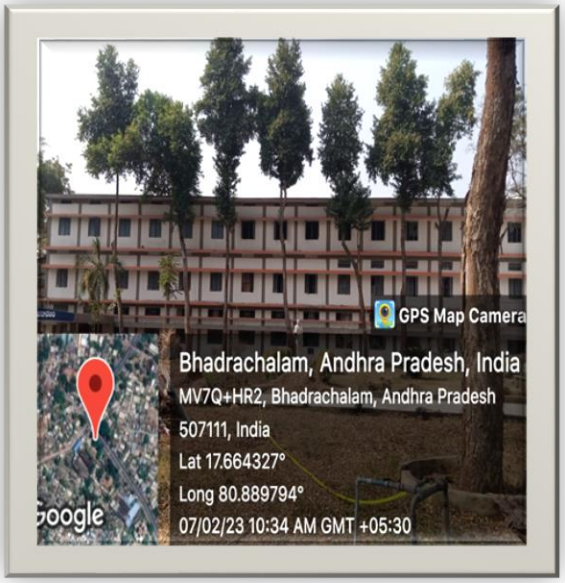
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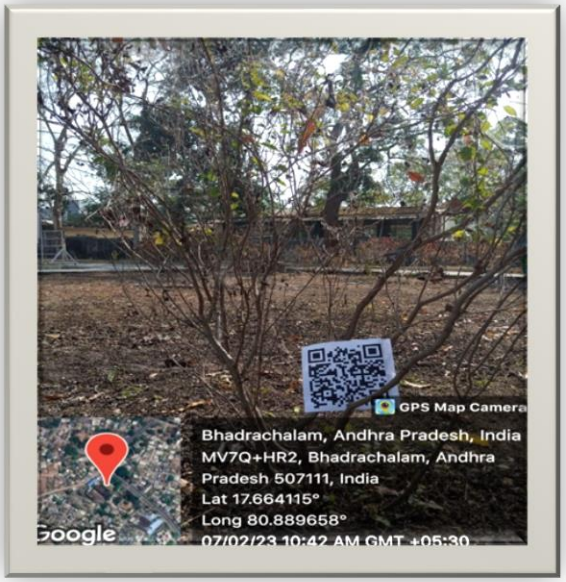
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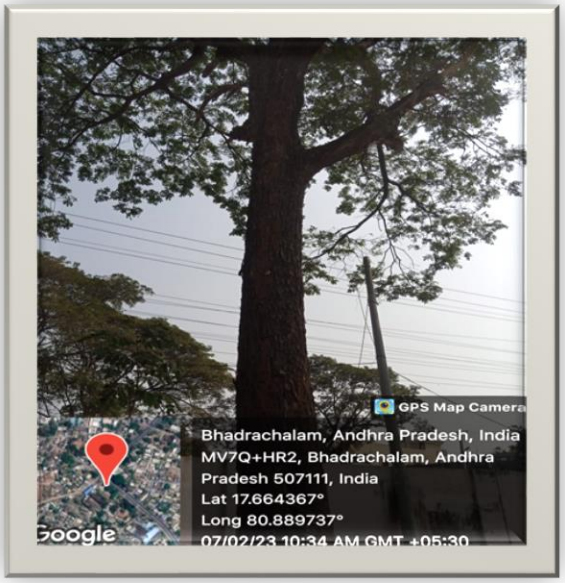
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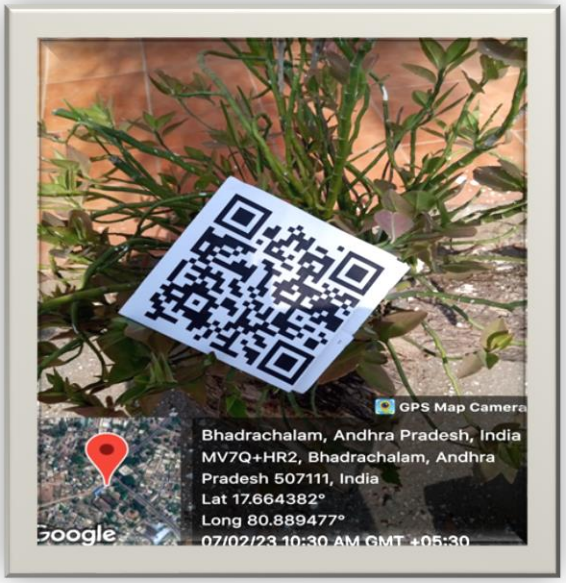
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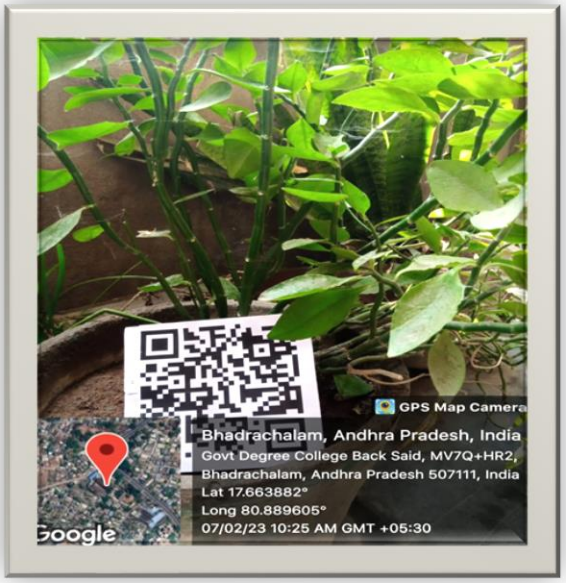
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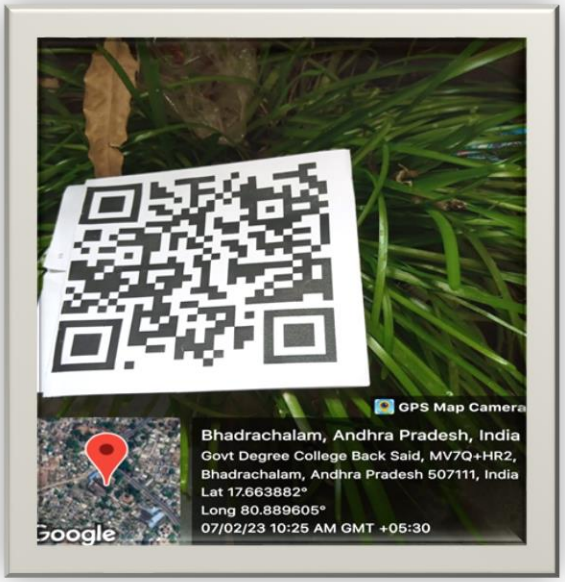
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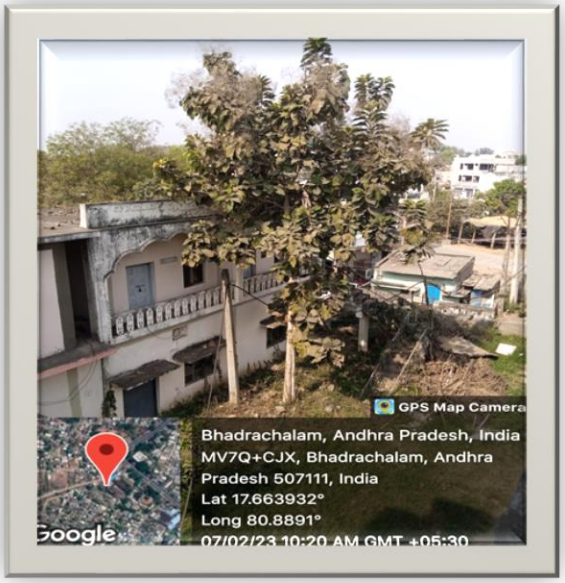
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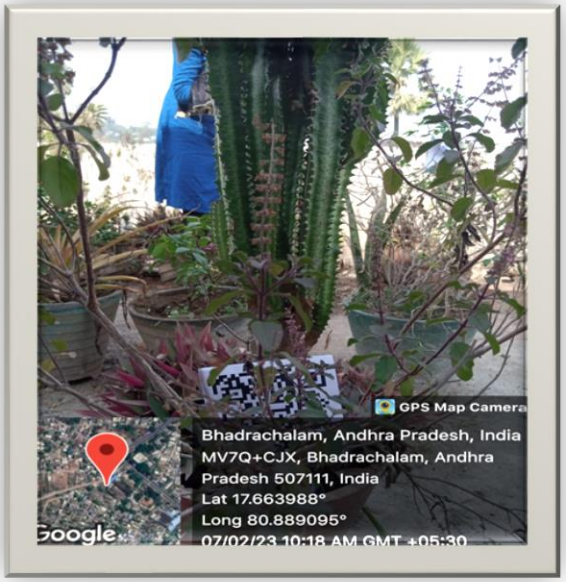
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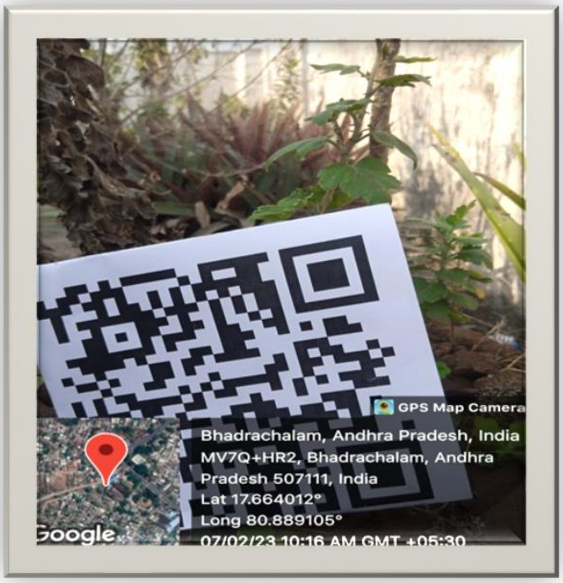
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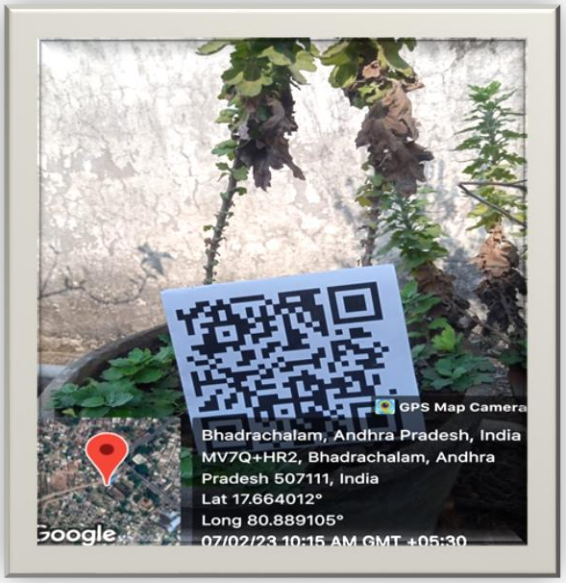
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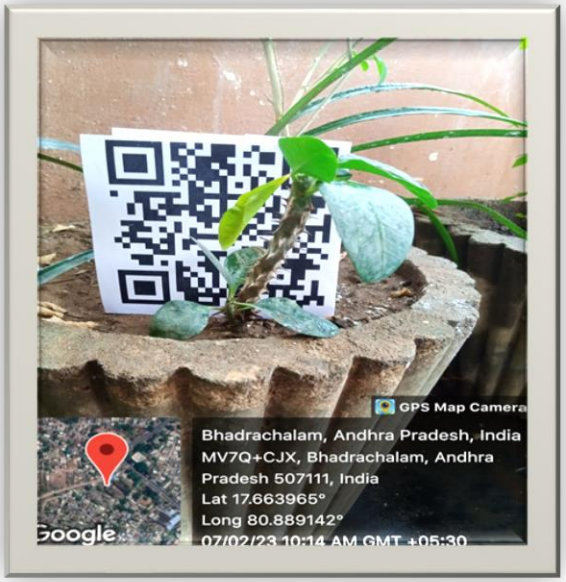
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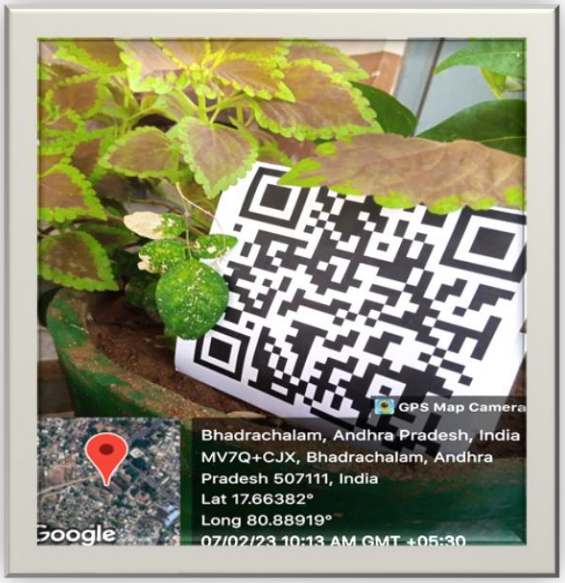
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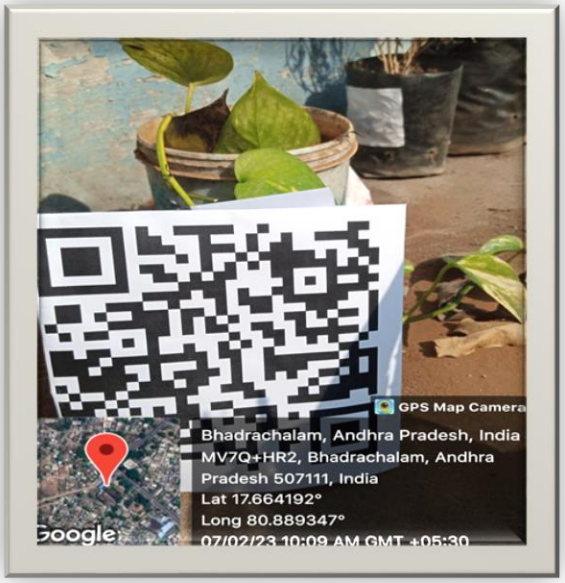
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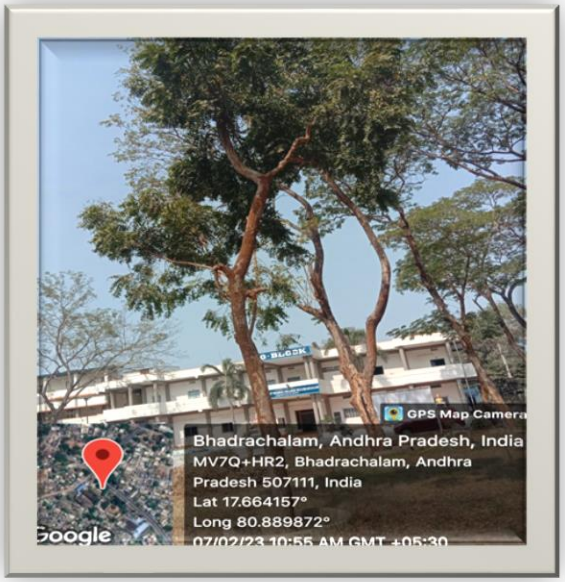
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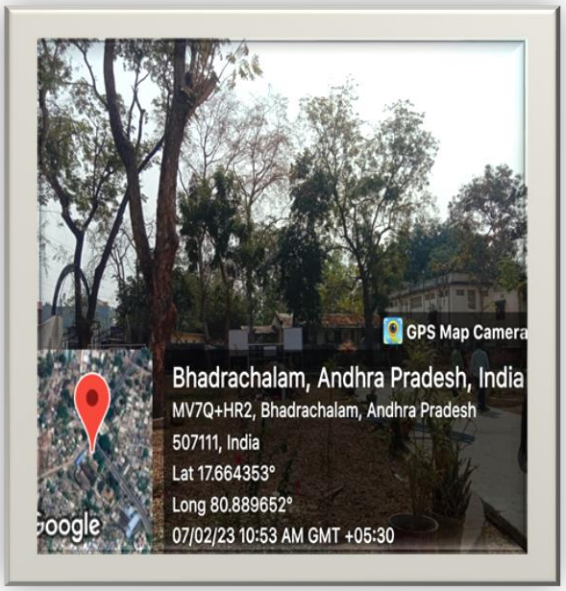
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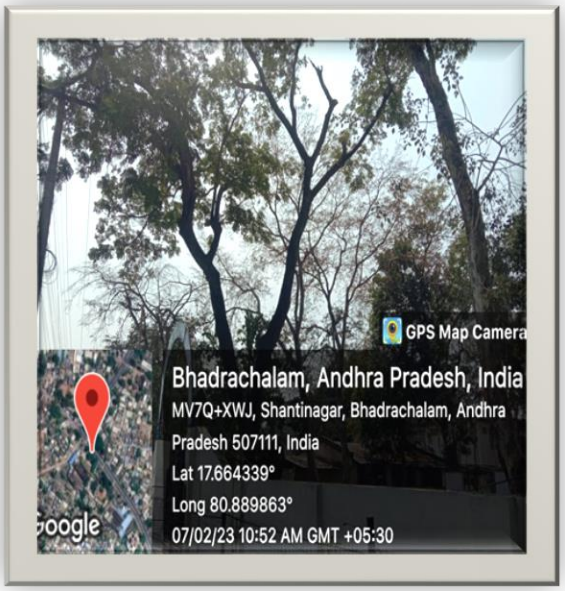
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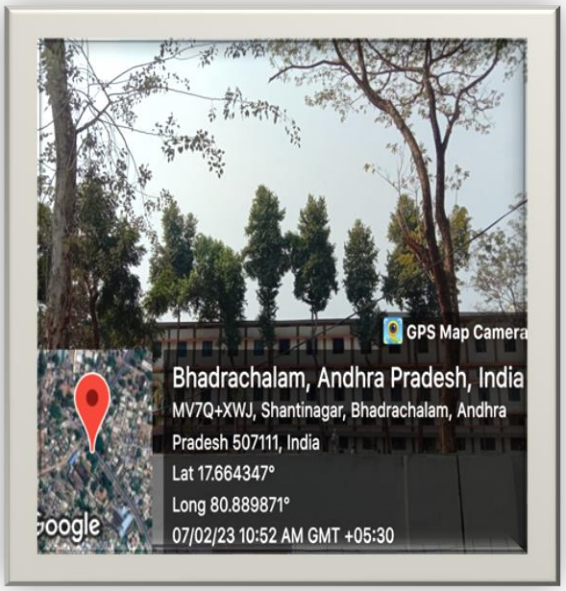
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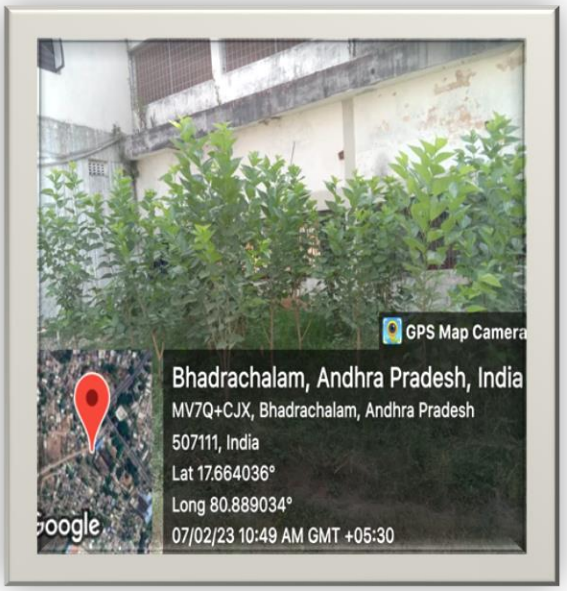
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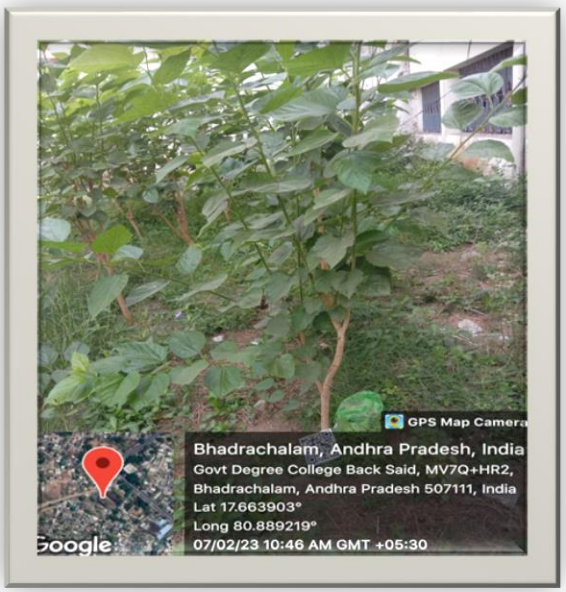
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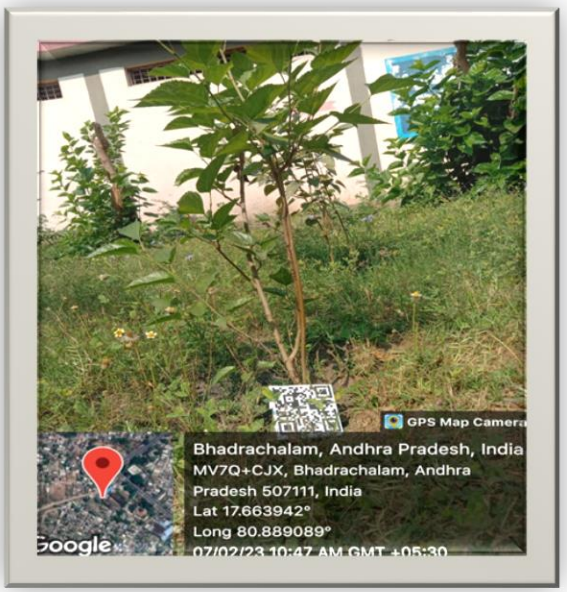
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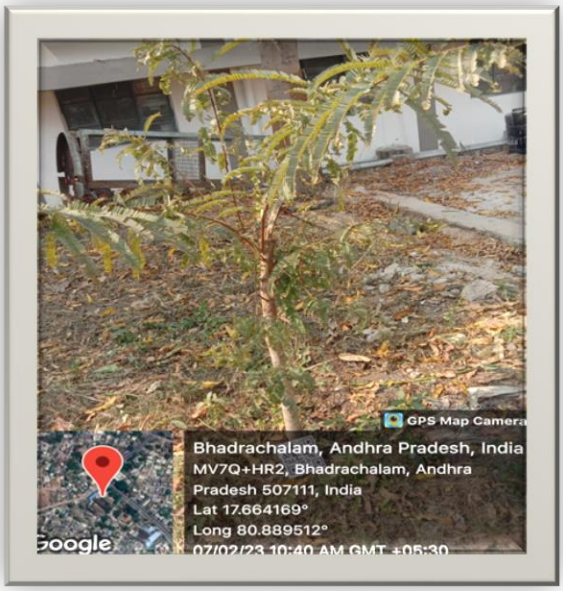
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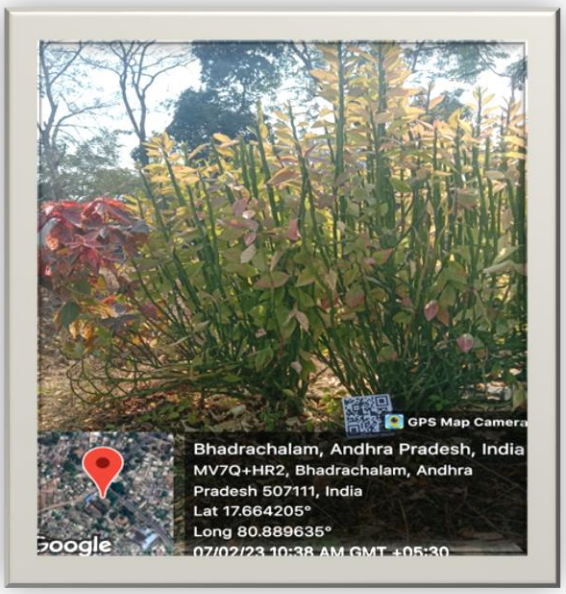
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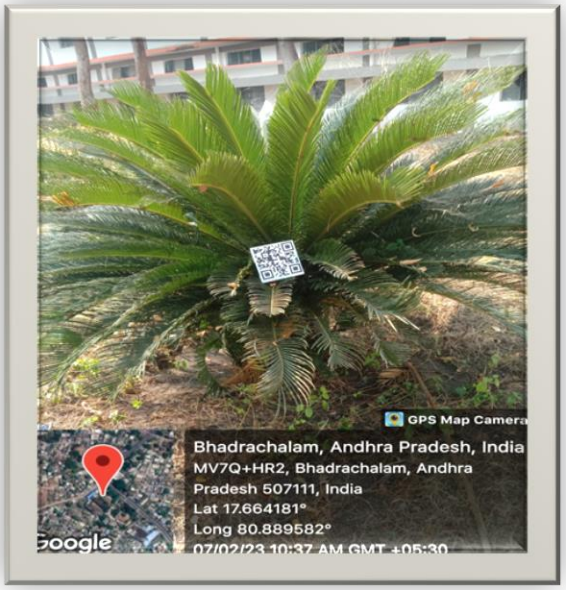
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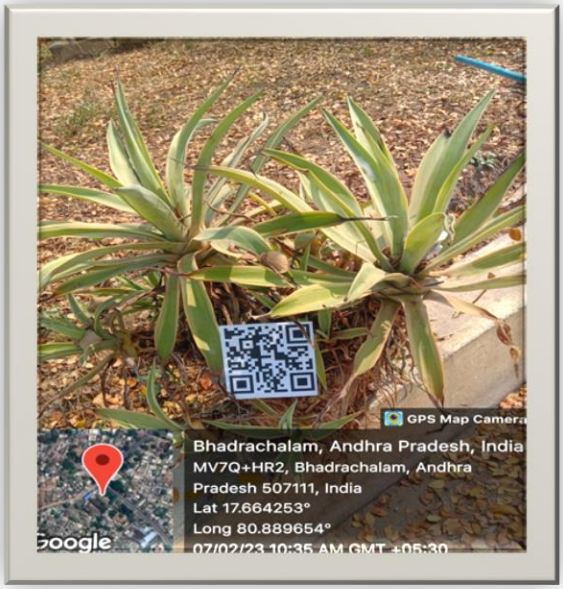
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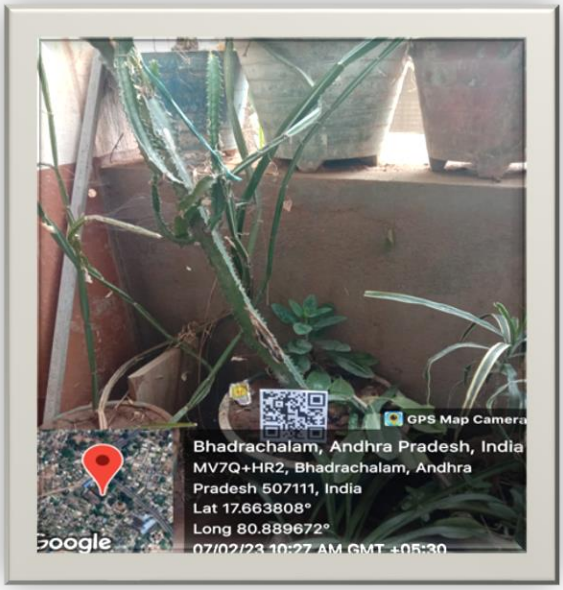
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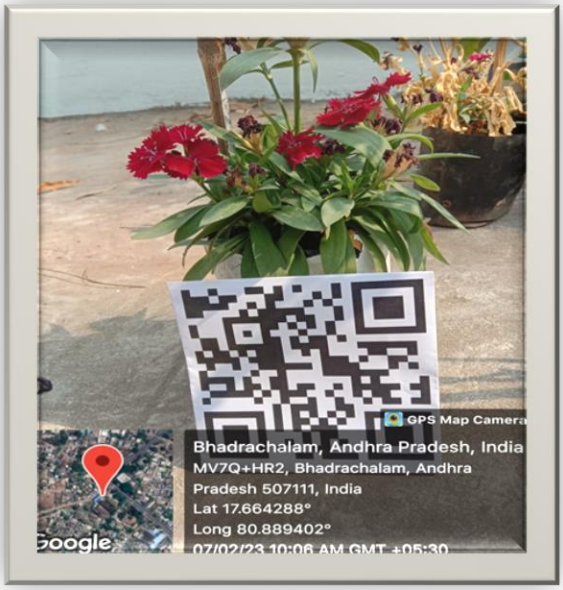
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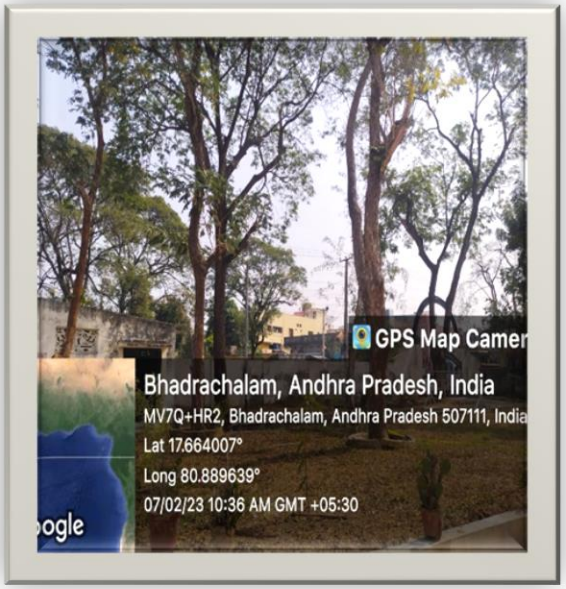
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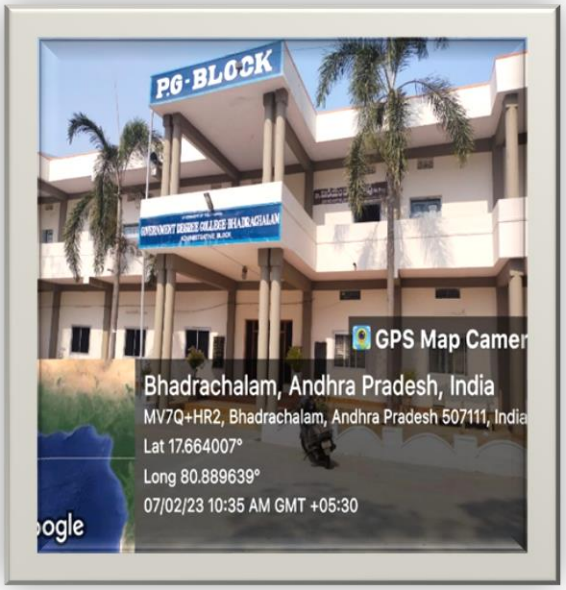
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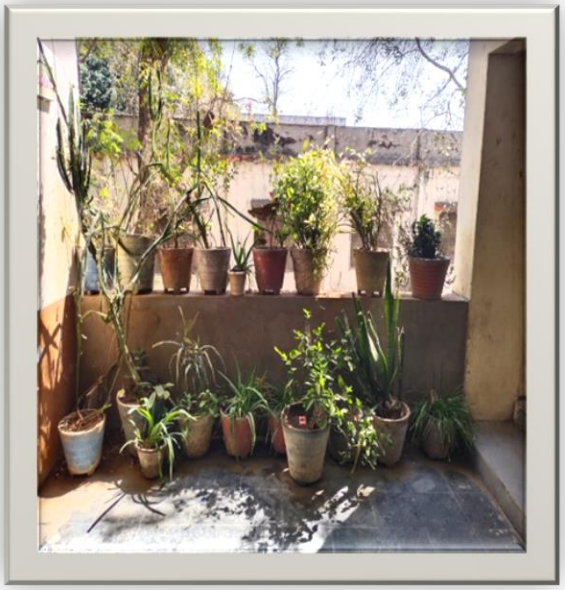


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Faunal diversity in college campus (with Photographic evidence)

Faunal group	Scientific name	Number (If enumeration is done)	Seasonality
Spiders	Attached separate file	Many species were identified in college campus	All seasons
Moths & butterflies	Attached separate file	Many species were identified in college campus	Mostly in rainy, winter seasons only
Other insects: (Dragon Flies, Bees, Wasps, Bugs, and Beetles etc..)	Attached separate file	Many species were identified in college campus	Mostly in rainy , winterseasons only
Annelids	Attached separate file	Many species were identified in college campus	All seasons
Other Arthropods	Attached separate file	Many species were identified in college campus	All seasons
Amphibians	Attached separate file	Many species were identified in college campus	All seasons
Reptiles	Attached separate file	Many species were identified in college campus	All seasons
Birds	Attached separate file	Many species were identified in college campus	All seasons
Mammals	Attached separate file	Many species were identified in college campus	All seasons

Note: all species were identified in the college campus

Sl. No	Name of the Group	Orders	Families	Genera	Species
1	Annelida: Oligochaeta	0	0	0	0
2	Annelida: Hirudinea (Leech)	0	0	0	0
3	Arachnida: Acari	0	0	0	0
4	Arachnida: Scorpionida	1	1	2	2
5	Arachnida: Araneae	1	3	5	10
6	Arachnida: Amblypygi, Uropygi & Solifugae	0	0	0	0
7	Crustacea: Branchiopoda: Cladocera	0	0	0	0
8	Crustacea: Copepoda	1	1	2	5
9	Crustacea: Ostracoda	0	0	0	0
10	Crustacea: Decapoda: Brachyura (Freshwater Crabs)	0	0	0	0
11	Crustacea: Decapoda: Palaemonidae (Freshwater Prawns)	0	0	0	0
12	Insecta: Collembola	0	0	0	0
13	Insecta: Odonata	0	0	0	0
14	Insecta: Orthoptera: Acrididae	1	1	1	5
15	Insecta: Dermaptera	1	1	2	4
16	nsecta: Mantodea	0	0	0	0
17	Insecta: Blattodea (Cockroaches)	1	1	2	5
18	Insecta: Blattodea (Termite)	1	1	1	2
19	Insecta: Hemiptera: Heteroptera (Aquatic and Semiaquatic)	0	0	0	0
20	Insecta: Hemiptera (Terrestrial)	1	2	10	15
21	Insecta: Hymenoptera: Chalcidoidea	1	1	2	8
22	Insecta: Hymenoptera: Bees	1	1	2	10
23	Insecta: Hymenoptera: Formicidae	1	1	1	5
24	Insecta: Hymenoptera: Vespoidea: Scoliidae	0	0	0	0
25	Insecta: Hymenoptera: Vespoidea: Vespidae	1	1	1	5
26	Insecta: Aquatic Coleoptera	0	0	0	0
27	Insecta: Coleoptera (Terrestrial)	1	2	10	20
28	Insecta: Neuropterida	0	0	0	0
29	Insecta: Trichoptera	1	1	1	2
30	Insecta: Lepidoptera (Butterflies)	1	2	15	31


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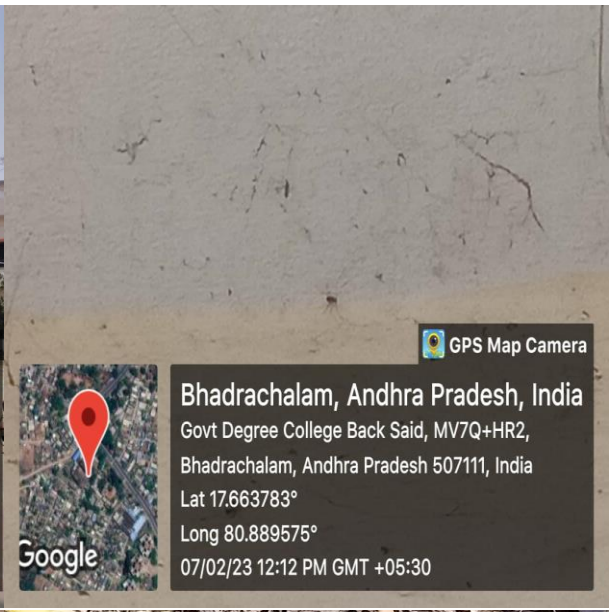
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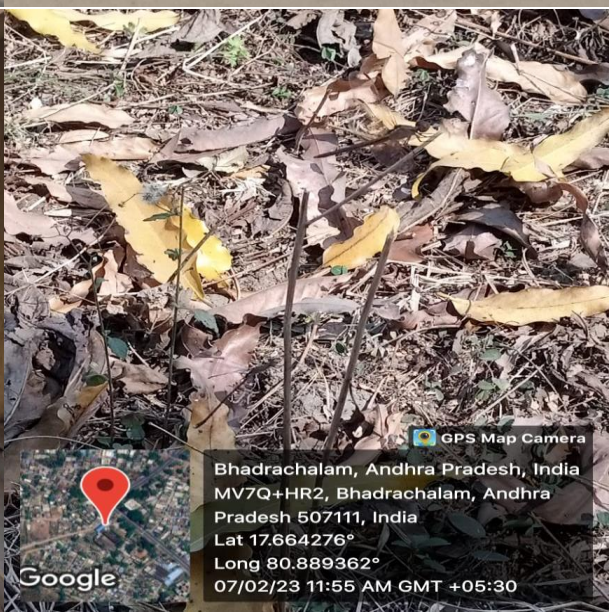
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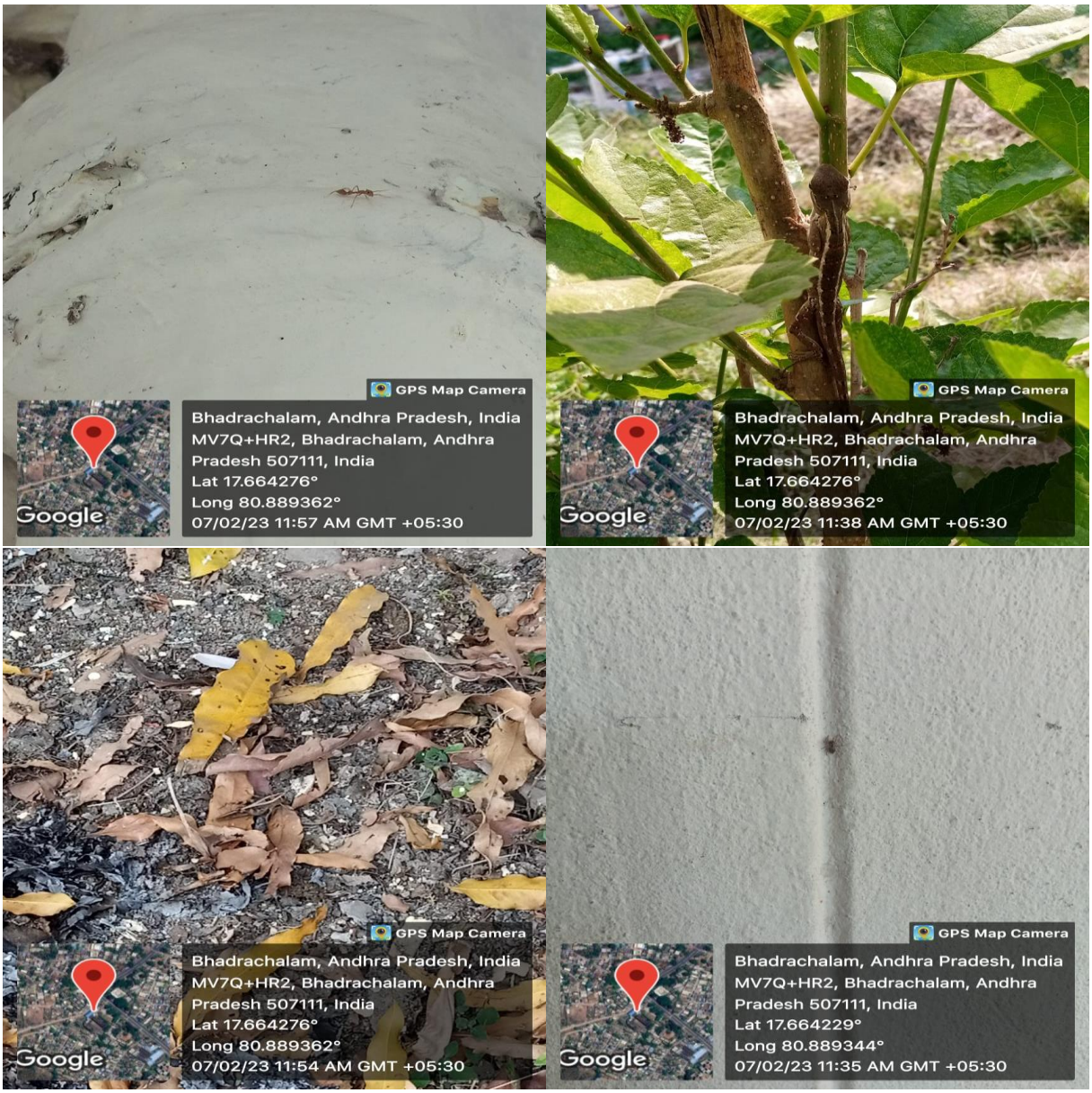
07/02/23 11:55 AM GMT +05:30
Google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MV7Q+HR2, Bhadrachalam, Andhra Pradesh 507111, India
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MV7Q+HR2, Bhadrachalam, Andhra Pradesh 507111, India
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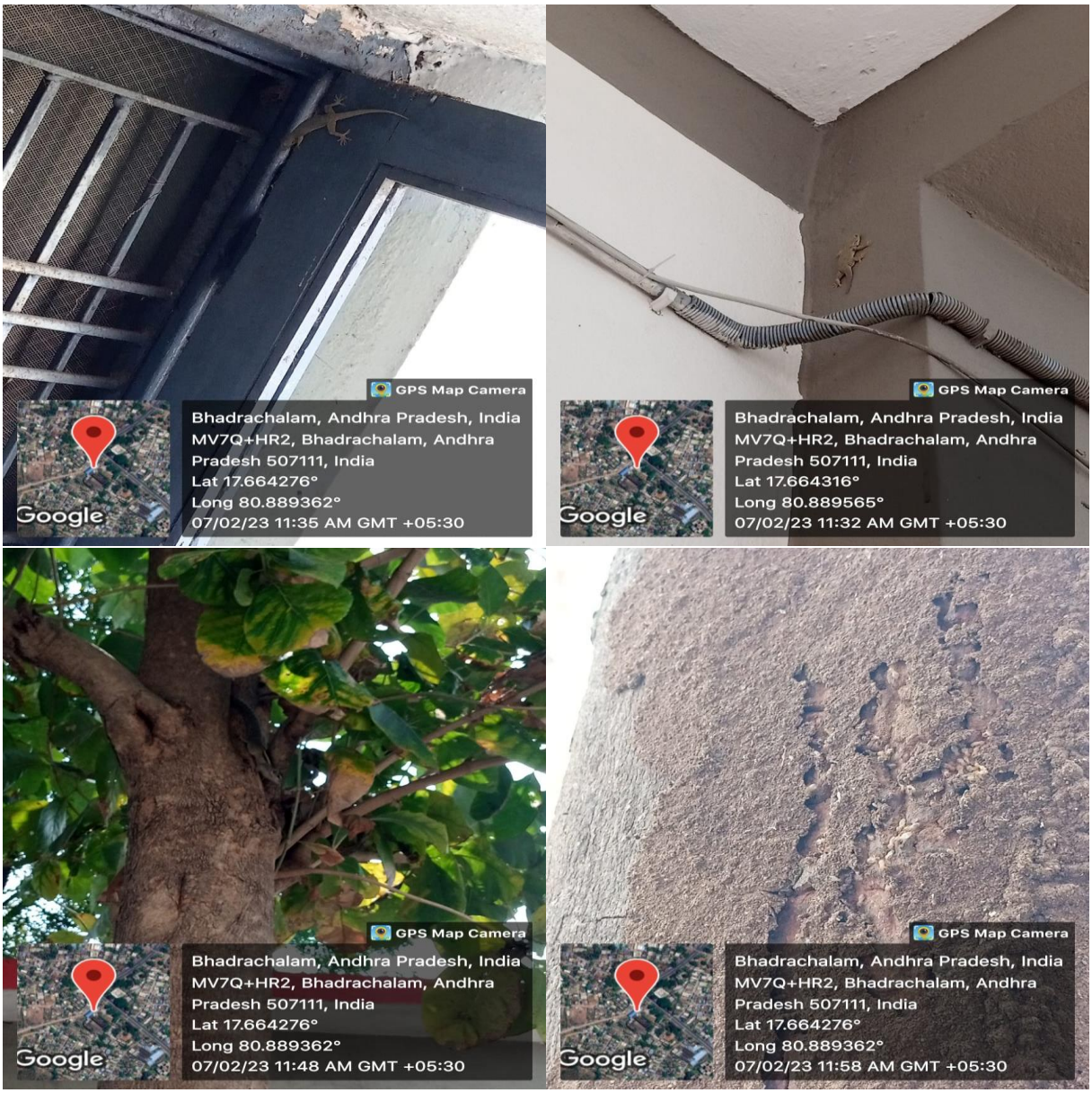
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MV7Q+HR2, Bhadrachalam, Andhra Pradesh 507111, India
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GPS Map Camera
Bhadrachalam, Andhra Pradesh, India
MV7Q+HR2, Bhadrachalam, Andhra Pradesh 507111, India
Lat 17.664276°
Long 80.889362°
07/02/23 11:48 AM GMT +05:30
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GPS Map Camera
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MV7Q+HR2, Bhadrachalam, Andhra Pradesh 507111, India
Lat 17.664276°
Long 80.889362°
07/02/23 11:58 AM GMT +05:30
Google


GPS Map Camera
Bhadrachalam, Andhra Pradesh, India
MV7Q+HR2, Bhadrachalam, Andhra
Pradesh 507111, India
Lat 17.664276°
Long 80.889362°
07/02/23 11:59 AM GMT +05:30
Google


GPS Map Camera
Bhadrachalam, Andhra Pradesh, India
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Pradesh 507111, India
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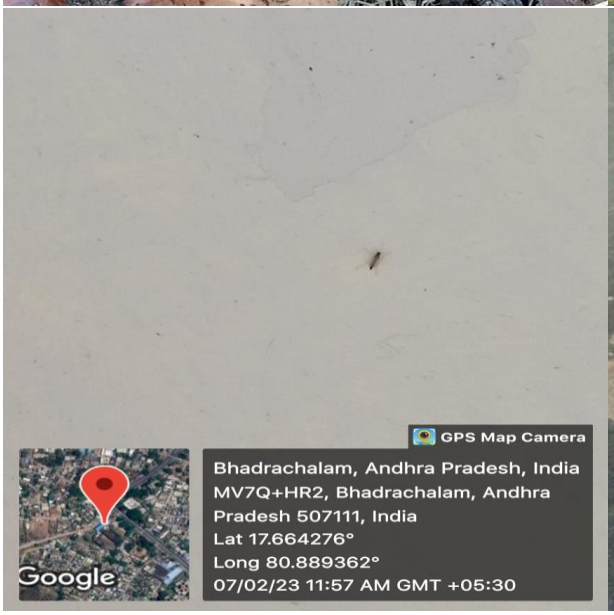
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MV7Q+HR2, Bhadrachalam, Andhra
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Long 80.889362°
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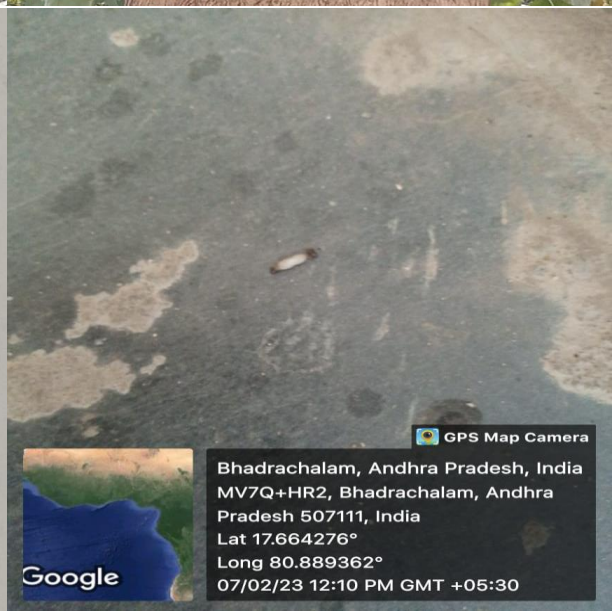
Google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Pradesh 507111, India
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Google


GPS Map Camera
Bhadrachalam, Andhra Pradesh, India
Govt Degree College Back Said, MV7Q+HR2,
Bhadrachalam, Andhra Pradesh 507111, India
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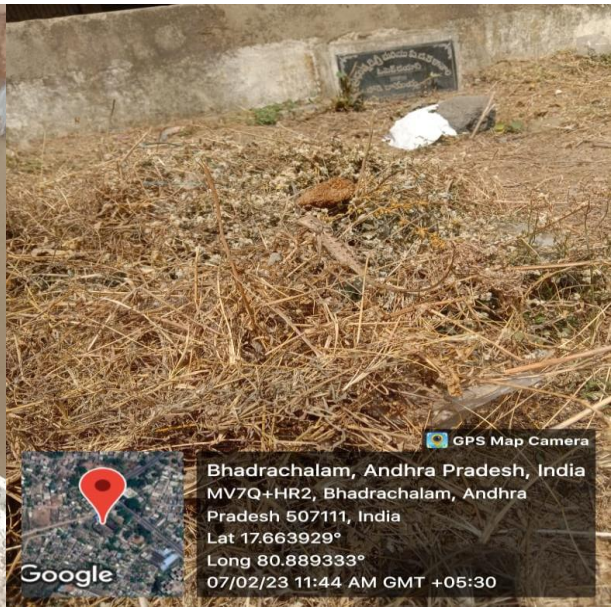
Google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MV7Q+HR2, Bhadrachalam, Andhra
Pradesh 507111, India
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Long 80.889333°
07/02/23 11:44 AM GMT +05:30
Google

AUDITING FOR CARBON FOOTPRINT

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

No. of students	1379
No. of Teachers	32
No. of Non-teaching staff	14
Gents	706
Ladies	719
Total	1425

2.Total Number of vehicles used by the stakeholders of the college. (per day)
50-60

3. No. of cycles used : **30**

4. No. of two wheelers used: **20**

(average distance travelled 7KM and quantity3 Lit. of fuel and 340 amount used per day)

5. No. of cars used : **1**

(average distance travelled 40KM and quantity of fuel 5Lit and amount 500 used per day)

6. No. persons using common (public) transportation: **15**

(average distance travelled and quantity of fuel and amount used per day) 80 km and 15 lit/day Rs.560/-

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)

T.S. R.T.C. concession bus pass services are used by students.

8. Number of parent-teacher meetings in a year? Parents turned up

Twice in a year.

9. Number of visitors with vehicles per day? **5**

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).

1 cylinder per month. 850/-PER MONTH

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.

150 Rs

15. Average amount of taxi/auto charges paid per month by the stakeholders of the college.

NIL

16. Use of any other fossil fuels in the college (Give the amount of fuelused 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.

1. **Motivate to use Public Transport**
2. **Encourage use of bicycles and by walk**

18. Are the Rooms in Campus are Well Ventilated? **Yes**

19. Window Floor ratio of the Rooms- **3:1**

CARBON FOOTPRINT - REPORT

 Petrol used by two wheelers/day–3.25 Lt , 3.50 X 110 Rs.= 385 Rs perday (Per person to and fro 4 Kms=250ML); Fuel for persons (total 5Lt.persons)

20. 20 persons × 5 Lt = 65 Lt ; 65 Lt × 110 Rs, 7150 Rs. Per month

1. Water management

S NO	PARAMETERS	Response	Remarks
1	Source of water	Tube well	
2	No. of Wells	2	
3	No. of motors used	2	
4	Horse power – Motor	1 HP	
5	Depth of bore well –Total	120 bore well	
6	Water level	70 feet	
7	Number of water tanks	4	
8	Capacity of tank	6000 liters	
9	Quantity of water pumped every day	4000 liters	
10	Any water wastage/why?	NIL	
11	Water usage for gardening	Yes	
12	Waste water sources	Labs , toilets, general usage	
13	Use of waste water	Gardening	
14	Fate of waste water from labs	Drainage	
15	Whether waste water from labs mixed with ground water	No	

16	Any treatment for lab water	Yes	
17	Whether any green chemistry method practiced in labs	Yes	
18	No. of water coolers	NIL	
19	Rain water harvest available?	Yes	
20	No. of units and amount of water harvested	4 units, 6000 liters	
21	Any leaky taps	No	
22	Amount of water lost per day	nil	
23	Any water management plan used?	No	
24	Any water saving techniques followed?	Regular checkup for leakage of taps and fittings	
25	Are there any signs reminding peoples to turn off the water?	Display boards showing water management captions	

Results of water quality

Parameters	Bore Well water	Standard value (BIS)
Dissolved Oxygen (mg/l)	7.3	6-8
Acidity (mg/l)	110	200
Alkalinity (mg/l)	210	200
Chloride (mg/l)	98	250
Hardness (Total)	255	200
Conductivity (µs)	632	
Ph.	7.41	6.5-8.5
Total Dissolved Solids (ppm)	500	500
Salinity (ppt)	0.6	
Total coliform	0.0	0
Fecal coliform	0.0	0

Water Quality analysis (Biological) report of college – II

S.No	Parameter/ WHO permissible level	Zooplankton (No of Samples/Sites)	Methodology
1	Protozoan (Ciliates)	Nil	NIL
2	Rotifers	Nil	NIL
3	Ostracods	Nil	NIL
4	Insect Larvae	Nil	NIL
5	Water Fleas	Nil	NIL
6	Bivalves	Nil	NIL
7	Snails	Nil	NIL
8	Mussels	Nil	NIL
9	Any Other (Specify)	Nil	NIL

Water Quality analysis (Biological) report of college – II

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

1. ENERGY AUDIT

SLNO	Electrical Appliances	NUMBER	POWER(W)/ UNIT	TOTAL POWER (W)	KW	OPERATION / DAY	KW/hr	NO.OF DAYS IN MONTH TOTAL	TOTAL CONSUMATION PER MONTH (KWH)
1	LED TUBES	198	20	3840	3.84	6	23.4	25	594
2	FANS	178	60	10680	10.6	6	63.6	25	1620
3	COMPUTERS	92	250	23000	23	4	92	25	2300
4	PROJECTERS	7	280	1960	1.96	1	1.96	25	49
5	PRINTERS	18	60	1080	1.08	1	1.08	20	21.6
6	REFRIGERATOR	2	150	300	0.3	24	7.2	30	216
7	LAPTOPS	2	50	100	0.1	4	0.4	20	8
8	A/C	5	7000	35000	35	1	35	15	525
9	EXHAUST FAN	6	32	192	1.92	4	7.68	25	182
10	PHOTOSTAT MACHINE	2	150	300	0.3	2	0.6	20	12
11	INVERTOR	2	250	500	0.5	2	1	30	30
12	TV	1	70	70	0.07	1	0.07	25	1.75
								TOTAL	5559

2. Waste management

Approximate quantity of waste generated per day (inkg)

Office				
Approx.	Biodegradable	Non - Biodegradable	Hazardous	Others
<1Kg	Below 1 kg	Below 1 kg	Nil	NIL
2-10Kg	--	-	-	-
>10Kg	-	-	-	-

Laboratories				
Approx.	Biodegradable	Non - Biodegradable	Hazardous	Others
<1Kg	Below 1 kg	Nil	Nil	Washed chemicals and reagents in laboratories
2-10Kg	-	-	-	-
>10Kg	-	-	-	-

Waste generated in the college?

Canteen/kitchen				
Approx.	Biodegradable	Non - biodegradable	Hazardous	Others
<1Kg	Below 1 kg	Nil	Nil	Not applicable
2-10Kg	-	-	-	-
>10Kg	-	-	-	-

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

A)Composting/ Vermicomposting	Yes	Nil
B)Recycling	yes	Nil
C)Reusing	yes	Nil
D)Other ways	yes	Nil
E-waste		112 computers (identified as e-waste)
Hazardous waste		Nil
Solid waste		Below 1 kg/day
Dry leaves		Approximate 3 kg/day
Canteen waste		Below 1 kg/day
Liquid waste		Washed chemicals and reagents in laboratories
Glass		Nil
Unused Equipment		yes
Napkins		Nil
Others (specify)		Nil

Do you use recycled paper in college?	Yes, Purchase the recycled paper bundles from stationery outlets.
Any waste management methods used?	Yes, 2 ways 1). Vermi-compost 2). BIO compost

MEMORANDUM OF UNDERSTANDING
GOVERNMENTDEGREE COLLEGE BHADRACHALAM AND
GRAM PANCHAYATH, BHADRACHALAM
FOR DISPOSAL OF DEGRADABLE AND NON DEGRADABLE WASTE

The broad-spectrum objective of this Memorandum of Understanding (MOU) is collection and disposal of Degradable and non-degradable waste from Govt Degree College, Bhadrachalam and its processing as per Government norms.

NOW IT IS AGREED BETWEEN THE PARTIES AS FOLLOWS:

1. PURPOSE AND OBJECTIVE: To Process degradable and non-degradable wastage

2. ARRANGEMENT - It is agreed to collect degradable and non-degradable waste from Govt Degree College, Bhadrachalam and dispose it as per Government norms.

3. CONFIDENTIALITY-The parties and the persons responsible and working shall keep confidential all information.

4. CONSIDERATION-There is no financial consideration to be paid by either of the parties. The parties have set their hands to this MOU/Linkage voluntarily on the day and year first mentioned herein.

Signed to & on behalf of
PRINCIPAL
Govt Degree College
Bhadrachalam
Bhadradri Kothagudem Dist.

Telangana

Principal
Govt. Degree College
Bhadrachalam-507 143
Bhadradri Kothagudem Dist.

Signed to & on behalf of
SECRETARY
Gram Panchayath
Bhadrachalam
Bhadradri Kothagudem Dist.

Telangana

MOU FOR WASTEAGE

Energy Audit Report

Room	Electrical device/items	Number	Power (in watt)	Usage time (hr/day)
Room 001	Tube lights	02	6*20=120	6 hours
	Fans	02	6*60=360	6 hours
Room 002	Tube lights	07	6*20=120	6 hours
	Fans	05	6*60=360	6 hours
Room 003	Tube lights	05	6*20=120	6 hours
	Fans	03	6*60=360	6 hours
Room 005	Tube lights	04	6*20=120	6 hours
	Fans	02	6*60=360	6 hours
Room 010	Tube lights	02	6*20=120	6 hours
	Fans	02	6*60=360	6 hours
Room 011	Tube lights	05	6*20=120	6 hours
	Fans	03	6*60=360	6 hours
Room 012	Tube lights	02	6*20=120	6 hours
	Fans	03	6*60=360	6 hours
	Projector	01	1*280=280	1 hour
Room 013	Tube lights	02	6*20=120	6 hours
	Fans	01	6*60=360	6 hours
Room 016	Tube lights	03	6*20=120	6 hours
	Invertor	01	12*60=720	12 hours
	Fans	03	6*60=360	6 hours
Room 017	Tube lights	02	6*20=120	6 hours
	Fans	02	6*60=360	6 hours
Room 020	Tube lights	04	6*20=120	6 hours
	Fans	04	6*60=360	6 hours
Room 025	Tube lights	06	6*20=120	6 hours
	Projector	01	1*280=280	6 hours
Room 029	Tube lights	11	6*20=120	6 hours
Principal Room	Tube lights	18	6*20=120	6 hours
	Fans	07	6*60=360	6 hours
	Invertor	01	24*250=250	6 hours
	A/C	02	1*7000=7000	6 hours
OfficeRoom	Tube lights	08	6*20=120	6 hours
	Fans	06	6*60=360	6 hours
P.G Room 01	Tube lights	05	6*20=120	6 hours
	Fans	04	6*60=360	6 hours
P.G Room 02	Tube lights	05	6*20=120	6 hours
	Fans	04	6*60=360	6 hours
P.G Room 03	Tube lights	05	6*20=120	6 hours

	Fans	04	6*60=360	6 hours
Room 101	Tube lights	02	6*20=120	6 hours
	Fans	02	6*60=360	6 hours
	Projector	01	1*280=280	6 hours
Room 103	Tube lights	07	6*20=120	6 hours
	Fans	08	6*60=360	6 hours
	Projector	01	1*280=280	3 hours
Room 105	Tube lights	03	6*20=120	6 hours
	Fans	03	6*60=360	6 hours
Room 110	Tube lights	02	6*20=120	6 hours
	Fans	03	6*60=360	6 hours
	Projector	01	1*280=280	2 hours
Computer Lab	Tube lights	04	6*20=120	6 hours
	Fans	05	6*60=360	6 hours
	A/C	01	1*7000=7000	3 hours
Room 113	Tube lights	02	6*20=120	6 hours
	Fans	04	6*60=360	6 hours
Room 114	Tube lights	04	6*20=120	6 hours
	Fans	05	6*60=360	6 hours
Room 115	Tube lights	03	6*20=120	6 hours
	Fans	04	6*60=360	6 hours
	Projector	01	1*280=280	3 hours
Room 116	Tube lights	02	6*20=120	6 hours
	Fans	02	6*60=360	6 hours
Room 117	Tube lights	02	6*20=120	6 hours
	Fans	04	6*60=360	6 hours
Room 118	Tube lights	04	6*20=120	6 hours
	Fans	04	6*60=360	6 hours
Room 119	Tube lights	02	6*20=120	6 hours
	Fans	04	6*60=360	6 hours
Room 203	Tube lights	03	6*20=120	6 hours
	Fans	04	6*60=360	6 hours
Room 204	Tube lights	05	6*20=120	6 hours
	Fans	06	6*60=360	6 hours
Room 205	Tube lights	05	6*20=120	6 hours
	Fans	06	6*60=360	6 hours
Room 207	Tube lights	03	6*20=120	6 hours
	Fans	06	6*60=360	6 hours
Room 208	Tube lights	03	6*20=120	6 hours
	Fans	05	6*60=360	6 hours
Room 209	Tube lights	05	6*20=120	6 hours
	Fans	04	6*60=360	6 hours
Room 210	Tube lights	05	6*20=120	6 hours

	Fans	05	6*60=360	6 hours
Room 205	Tube lights	05	6*20=120	6 hours
	Fans	06	6*60=360	6 hours
Room 214	Tube lights	03	6*20=120	6 hours
	Fans	05	6*60=360	6 hours
Room 215	Tube lights	04	6*20=120	6 hours
	Fans	05	6*60=360	6 hours
Room 216	Tube lights	07	6*20=120	6 hours
	Fans	08	6*60=360	6 hours
Room 217	Tube lights	03	6*20=120	6 hours
	Fans	03	6*60=360	6 hours
	Projector	01	1*280=280	6 hours
Room 218	Tube lights	03	6*20=120	6 hours
	Fans	03	6*60=360	6 hours
Room 220	Tube lights	03	6*20=120	6 hours
	Fans	06	6*60=360	6 hours
Room 221	Tube lights	03	6*20=120	6 hours
	Fans	07	6*60=360	6 hours
TSKC Room	Tube lights	03	6*20=120	6 hours
	A/C	02	1*7000=7000	1hour

Room	**Electrical device/items**	**Number**	**Power (in watt)**	**Usage time (hr/day)**
NEW BLOCK- 1	Tube lights	3	3*20=60	**6 hours**
	Fans	1	1*60=60	**6 hours**
NEW BLOCK- 2	Tube lights	3	3*20=60	**6 hours**
	Fans	1	1*60=60	**6 hours**

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

NO_2	14 µg/m^3
NO	--
O_3	41.5 µg/m^3
PM2.5	16.4 µg/m^3
PM10	76.2 µg/m^3
CO	1220 µg/m^3
Humidity	66.0 %
Barometric Pressure	1008 hPa
Wind Speed	5.12 m/s
Wind Direction	northwest
Sun Rise	5.54 AM
Sun Set	5.43 PM

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	30 s	40	87	64
2	Canteen	45 s	35	86	64
3	Play ground	60 s	36	88	63
4	Auditorium	30 s	36	88	64
5	Science Block	50 s	40	87	65
6	Any Other (Specify)	--	--	--	--

GREEN CLUB & ECO CLUB

Activities conducted by Green Club & Eco Club

- Rain water Harvesting.
- Herbal garden
- Motivate the students to keep their surroundings green and clean by undertaking plantation of trees.
- Motivate students to imbibe habits and life style for minimum waste generation, source separation of waste and disposing the waste to the nearest storage point.
- Harithaharam

STUDENTS WATERING THE PLANTS IN THE GARDEN

SWACHHA BHARATH IN CAMPUS

SAPLING PLANTS IN CAMPUS BY CCE TEAM






PREPARE CLAY GANESH IDOLS


హరిత హారం
ప్రభుత్వ డిగ్రీ & పీజీ కళాశాల
భద్రాచలం

GREEN ACTIVITIES

CONDUCTION OF WORKSHOPS
STUDENT COMPETITIONS
AWARENESS PROGRAMMES
OBSERVATION OF ENVIRONMENTAL RELATED DAYS

ELOCUTION ON WORLD FOREST DAY


GPS Map
Camera Lite
NH 30, Bhadrachalam, Bhadrachalam, 507111, TG, India
Latitude
17.6670N
Longitude
80.8923E
Local 11:39:02 AM
GMT 06:09:02 AM
Note: S
Altitude 65.9 meters
Tuesday, 16-08-2022


ఆజాదీకా అమృత మహోత్సవం
GPS Map
Camera Lite
Bhadrachalam, Bhadrachalam, 507111, TG, India
Latitude
17.6669N
Longitude
80.8927E
Local 11:17:51 AM
GMT 05:47:51 AM
Note: S
Altitude 63.7 meters
Tuesday, 16-08-2022

CLEAN INDIA RALLY

ABN ఆంధ్రజ్యోతి

సరిగా నమోదు చేయించుకోవాలని మణుగూరు సబ్ డివిజన్ వ్యవసాయ

క్లీన్ ఇండియా 2.0 ప్రోగ్రాం నిర్వహణ

భద్రాచలం అక్టోబర్ 19: కేంద్ర ప్రభుత్వం ఎంతో ప్రతిష్టాత్మకంగా నిర్వహిస్తున్న క్లీన్‌ఇండియా 2.0 కార్యక్రమంలో భాగంగా భద్రాచలంలో ఎన్ఎస్ఎస్ విద్యార్థుల ఆధ్వర్యంలో స్వచ్ఛభారత్ నిర్వహించారు. బుధవారం దేశవ్యాప్తంగా కేంద్ర ప్రభుత్వం క్లీన్ ఇండియా 2.0 కార్యక్రమం నిర్వహించాలని పిలుపు ఇవ్వడంతో జిల్లా ఎన్ఎస్ఎస్ యూనిట్ ఆధ్వర్యంలో భద్రాద్రిని పరిశుభ్రపరిచారు. ఈ క్రమంలో పట్టణంలోని వైద్యశాలలు, కొత్త మార్కెట్ ప్రధాన రహదారులలో పేరుకుపోయిన ప్లాస్టిక్ వ్యర్థాలను ఎన్ఎస్ఎస్ విద్యార్థులు తొలగించారు. ఇదే సమయంలో ప్రజల్లో అవగాహన కల్పించేందుకు ప్లాస్టిక్ నిరోధించండి పర్యావరణాన్ని కాపాడండి అంటూ నినదిస్తూ అవగాహన కల్పించారు. ఈ కార్యక్రమంలో ప్రభుత్వ డిగ్రీ జూనియర్ కళాశాలల ప్రిన్సిపాళ్లు భద్రయ్య, కృష్ణవేణి, ఎన్ ఎన్ ఎస్ జిల్లా కోఆర్డినేటర్ పి. ఆనంద్ బాబు, భద్రాచలం ప్రభుత్వ డిగ్రీ కళాశాల ఎన్ఎస్ఎస్ ప్రోగ్రామింగ్ అధికారి వీరన్న, సుజాత, రమా, శ్రీకాంత్ ,భద్రాచలంకు చెందిన ప్రభుత్వ డిగ్రి, జూనియర్ కళాశాలల, గిరిజన సంక్షేమ కళాశాల విద్యార్థులు, ఐటీసీ వావ్ సంస్థ, గ్రామపంచాయతీ సిబ్బంది పాల్గొన్నారు.

పట్టణంలో నిర్వహించిన ర్యాలీ

Date: 20/10/2022, Edition: Bhadradri Kothagudem District, Page:
Source : https://epaper.andhrajyothy.com

ఈనాడు epaper.eenadu.net

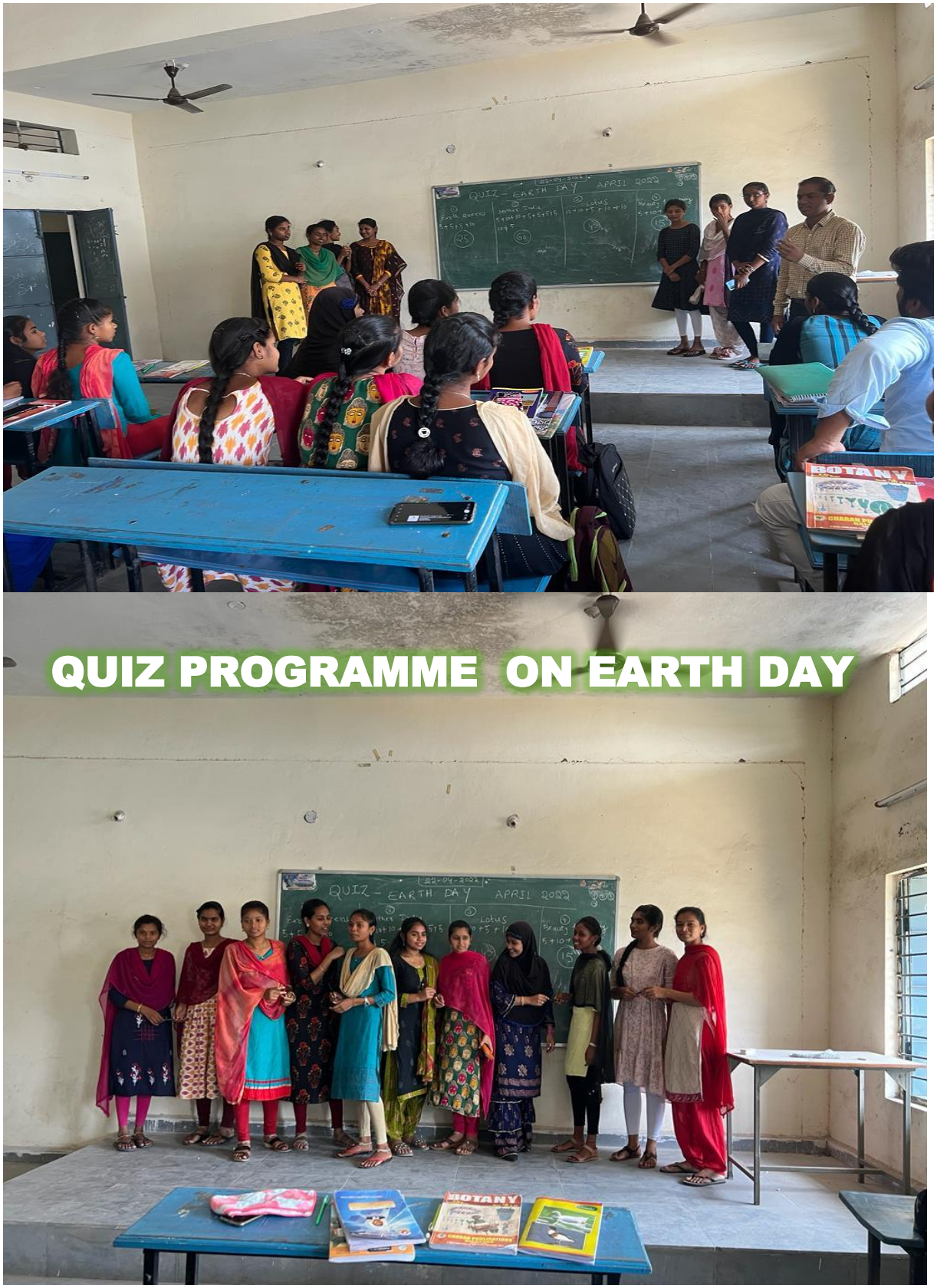
ప్లాస్టిక్ వ్యర్థాల ఏరివేత

ప్లాస్టిక్ వ్యర్థాలను ఏరివేసిన గిరిజన గురుకుల డిగ్రీ కళాశాల విద్యార్థులు

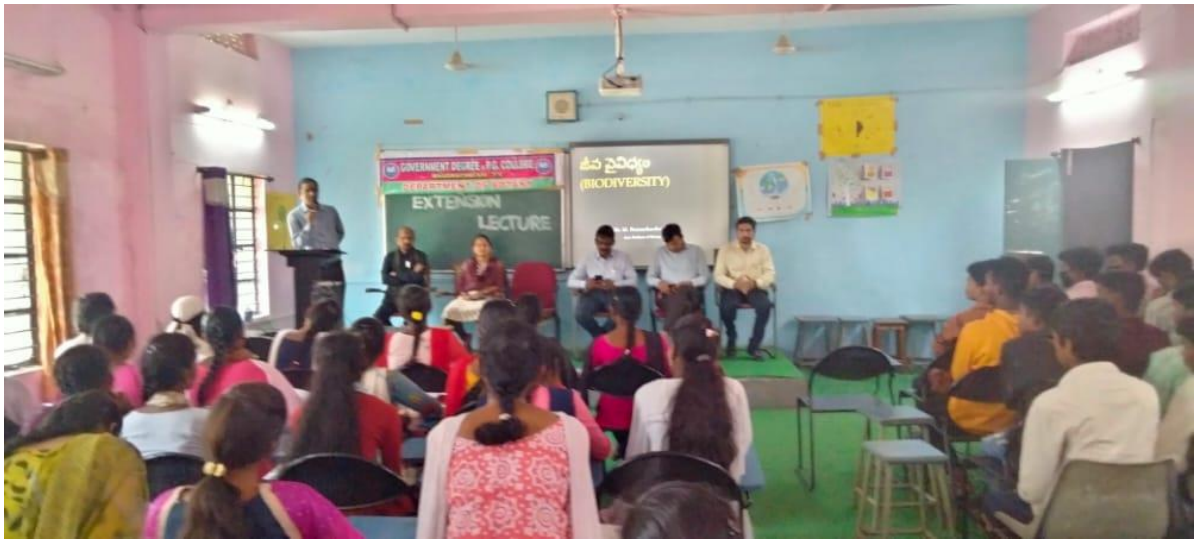
భద్రాచలం పట్టణం, సూస్‌టుడే: ప్రభుత్వ డిగ్రీ, జూనియర్ కళాశాల, గురుకుల డిగ్రీ కళాశాల విద్యార్థులు భద్రాచలం పట్టణంలోని పలుచోట్ల ప్లాస్టిక్ వ్యర్థాల ఏరివేత కార్యక్రమం బుధవారం నిర్వహించారు. క్లీన్ ఇండియా 2.0 కార్యక్రమంలో భాగంగా విద్యార్థులకు ప్లాస్టిక్‌పై అవగాహన కల్పించారు. పట్టణంలో ర్యాలీ నిర్వహించిన వారు ఒకసారి వాడి పడేసే ప్లాస్టిక్ వినియోగం ప్రకృతికి అనర్థమని నినాదాలు చేశారు. బస్టాండు, యూబీ రోడ్, చర్చి రోడ్, ప్రభుత్వ ఆసుపత్రి వీధుల్లో ప్లాస్టిక్ వ్యర్థాలను ఏరివేసి గ్రామ పంచాయతీ ట్రాక్టర్‌లో తరలించారు. డిగ్రీ కళాశాల ప్రిన్సిపల్ భద్రయ్య, ఎన్ఎస్ఎస్ యూనిట్ ప్రోగ్రాం అధికారులు ఆనందకుమార్, డి.వీరన్న, బి.సుజాత, వావ్ స్వచ్ఛంద సంస్థ ప్రతినిధి రమ్య, ప్రవీణ్‌కుమార్, బాలకి, రమాదేవి, గ్రామ పంచాయతీ కార్యదర్శి శ్రీకాంత్, విద్యార్థులు పాల్గొన్నారు.

అశ్వారావుపేట, సూస్‌టుడే: మానవ జీవనానికి పెను ప్రమాదకరంగా మారిన ప్లాస్టిక్ భూతాన్ని తరిమి కొట్టాలని వ్యవసాయ కళాశాల ఇన్‌చార్జి ఏడీ డాక్టర్ ఎన్. వెంకన్న విజ్ఞప్తి చేశారు. ప్లాస్టిక్ వల్ల కలిగే అనర్థాలు- నిర్మూలనపై అశ్వారావుపేట వ్యవసాయ కళాశాలలో బుధవారం సాయంత్రం అవగాహన కార్యక్రమం నిర్వహించారు. అనంతరం కళాశాల ఆవరణలో విద్యార్థులతో ప్రదర్శన నిర్వహించారు.

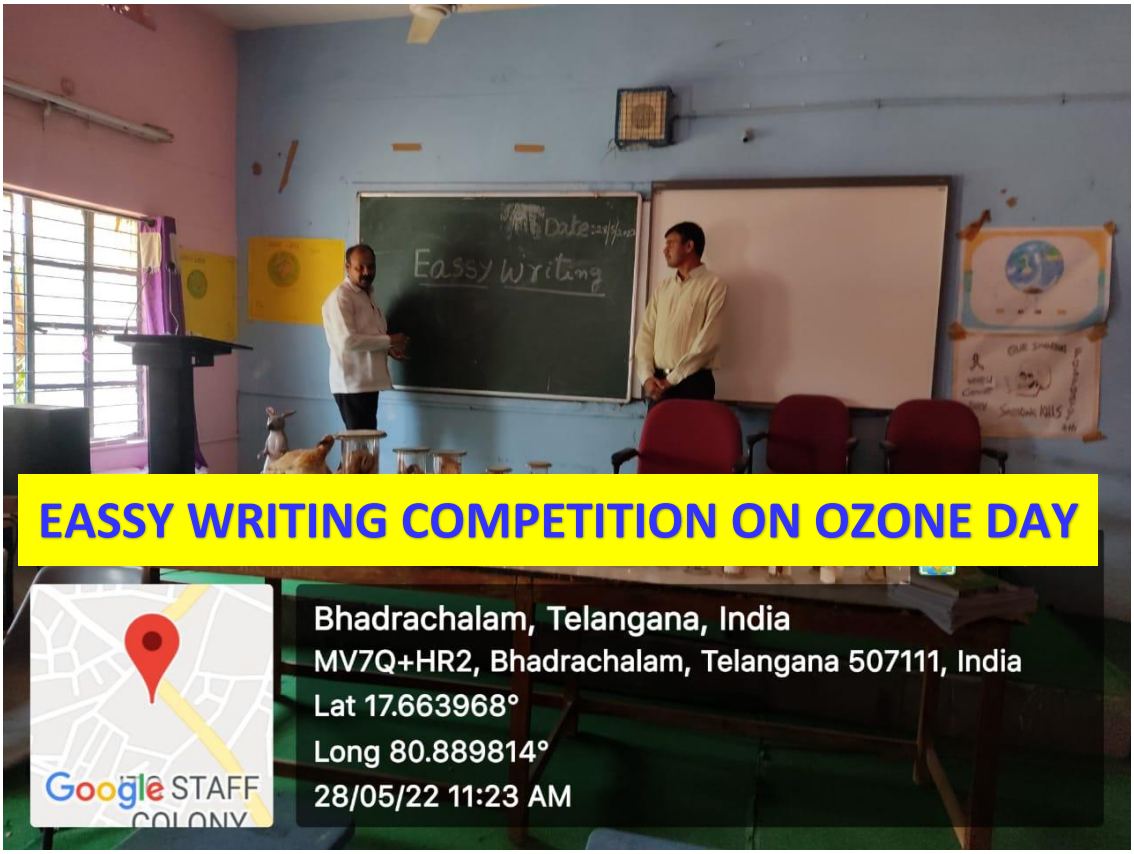
Date : 20/10/2022 EditionName : TELANGANA
(BHADRADRI KOTHAGUDEM) PageNo : 03



QUIZ PROGRAMME ON EARTH DAY



SEMINAR ON BIO DIVERSITY


Eassy Writing
EASSY WRITING COMPETITION ON OZONE DAY
Google STAFF COLONY
Bhadrachalam, Telangana, India
MV7Q+HR2, Bhadrachalam, Telangana 507111, India
Lat 17.663968°
Long 80.889814°
28/05/22 11:23 AM


Date :28/5/2022
ESSAY Writing
GPS Map Camera
Google STAFF COLONY
Bhadrachalam, Telangana, India
MV7Q+HR2, Bhadrachalam, Telangana 507111, India
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Long 80.889759°
28/05/22 11:23 AM

పర్యావరణంపై విద్యార్థులకు పోటీలు

భద్రాచలంఅర్బన్: కాలేజీయేట్ ఎడ్యుకేషన్ కమిషనర్ నవీన్ మిట్టల్ ఆదేశాలతో ప్రపంచ పర్యావరణ దినోత్సవం సందర్భంగా ప్రభుత్వ డిగ్రీ కళాశాల లెవల్లో విద్యార్థులకు పలు పోటీలు నిర్వహించారు. జిల్లా స్థాయి పెయింటింగ్ పోటీలలో (ఒకే ఒక భూమి అనే థీమ్) ప్రథమ స్థానంలో బి.రేవతి, ద్వితీయ స్థానంలో యం.హారిక గెలుపొందారు. వ్యాసరచన పోటీల్లో (శిలాజ ఇంధనం నుంచి హైడ్రోజన్ మారడం.. ప్రపంచానికి దాని ప్రయోజనం)లో ప్రథమ స్థానంలో పి.సామ్య గెలుపొందారు. వీడియో మేకింగ్ పోటీల్లో (ప్రకృతిలో అనుగుణంగా జీవించడం)లో ప్రథమ స్థానంలో బి.దివ్యశ్రీ, ద్వితీయ స్థానంలో బి.సౌమ్యలు గెలుపొందారు. భద్రాచలం కళాశాల ప్రిన్సిపాల్ డి.భద్రయ్య విద్యార్థులకు బహుమతులు అందజేశారు. ఎన్ఎస్ఎస్ యూనిట్-1, కోఆర్డినేటర్ కె.సూర్యారావు, యూనిట్-2 కోఆర్డినేటర్ డి.వీరన్న, వైస్ ప్రిన్సిపాల్ రెడ్డయ్య, అకాడమిక్ కోఆర్డినేటర్ వి.కామేశ్వరరావు, లెక్చరర్లు శ్యామ్, ఏ.శ్రీనివాస్, వి.రాఘసుములు పాల్గొన్నారు.

గెలుపొందిన విద్యార్థులతో ఉపాధ్యాయులు..

WORLD ENVIRONMENT DAY CELEBRATIONS

Ministry of Environment, Forest & Climate Change Government of India

Azadi Ka Amrit Mahotsav

EPTRI

CERTIFICATE OF APPRECIATION

"World Environment Day Celebrations"

June 5th ,2022

This is to certify that Mr./Ms. M. Harika Studying in GDC Bhadrachalam College has won II position in the Painting/~~Essay Writing~~/~~Video Making~~ Competition conducted by Environment Protection Training Research Institute - ENVIS in association with Telangana State Pollution Control Board and Commissionerate of Collegiate Education.

We Wish him / her all the best for future endeavors

#ONLY ONE EARTH

WORLD ENVIRONMENT DAY

UN environment programme 50 1972-2022

Sweden Sverige

A. Vani Prasad.

Smt. A.Vani Prasad, IAS
Principal Secretary to Govt.,
Director General, EPTRI
Govt. of Telangana

Ministry of Environment, Forest & Climate Change Government of India

Azadi Ka Amrit Mahotsav

EPTRI

CERTIFICATE OF APPRECIATION

"World Environment Day Celebrations"

June 5th ,2022

This is to certify that Mr./Ms. P. Sowmya Studying in GDC Bhadrachalam College has won I position in the ~~Painting~~/Essay Writing/~~Video Making~~ Competition conducted by Environment Protection Training Research Institute - ENVIS in association with Telangana State Pollution Control Board and Commissionerate of Collegiate Education.

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"World Environment Day Celebrations"

June 5th ,2022

This is to certify that Mr./Ms. P. Sowmya Studying in _____, GDC Bhadrachalam College has won II position in the ~~Painting~~/ ~~Essay Writing~~/Video Making Competition conducted by Environment Protection Training Research Institute - ENVIS in association with Telangana State Pollution Control Board and Commissionerate of Collegiate Education.

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Principal Secretary to Govt.,
Director General, EPTRI
Govt. of Telangana

WORLD SCIENCE DAY CELEBRATIONS

3 భద్రాద్రి

మంగళవారం, 01 మార్చి 2021

ప్రభుత్వ డిగ్రీ కాలేజ్‌లో 'జాతీయ సైన్స్ డే' సెలెబ్రేషన్స్

భద్రాచలం, ఫిబ్రవరి 28, ప్రజాజ్యోతి: సర్ సివి రామన్ 'రామన్ ఎఫెక్ట్' ఆవిష్కరించిన రోజును పురస్కరించుకుని 'జాతీయ సైన్సు దినోత్సవం' ను జరుపుకుంటున్నామని భద్రాచలం ప్రభుత్వ డిగ్రీ కళాశాల ప్రిన్సిపాల్ డి భద్రయ్య అన్నారు. కళాశాల ఎన్ఎస్ఎస్, లైఫ్ సైన్స్ మరియు ఫిజికల్ సైన్సెస్ ఆధ్వర్యంలో సోమవారం నిర్వహించిన జాతీయ సైన్స్ దినోత్సవంలో ప్రిన్సిపాల్ మాట్లాడుతూ ప్రశ్నించటం ద్వారా ఆవిష్కరణలు చేయవచ్చని తెలియజేశారు. ఈ కార్యక్రమంలో విద్యార్థిని, విద్యార్థులు వివిధ రకాలైన సైన్స్ సంబంధిత ఛార్ట్స్, ముఖ్య అంశాల మీద నమూనాలు తయారుచేసి ప్రదర్శించారు. వాటిలో ప్రథమ బహుమతి నరేంద్ర, ద్వితీయ బహుమతి అమృత మరియు తృతీయ బహుమతి సంతోష్, కన్సోలేషన్ బహుమతి కావ్య కు అందజేయడం జరిగిందన్నారు. ఈ కార్యక్రమంలో ఎన్ఎస్ఎస్ ప్రోగ్రామ్ ఆఫీసర్ డాక్టర్ ఎం సునంద, ఫిజికల్ సైన్సెస్ అధ్యాపకులు జీవన్ కుమార్, వీరన్న, వెంకటేశ్వర్లు, లైఫ్ సైన్సెస్ అధ్యాపకులు డాక్టర్ గంటయ్య గుప్తా, శ్యామ్, శ్రీను, పావని మరియు విద్యార్థిని విద్యార్థులు పాల్గొన్నారు.

ఘనంగా సైన్స్ దినోత్సవం

అశ్వారావుపేట జడ్పీ ఉన్నత పాఠశాలలో విద్యార్థులు తయారు చేసిన సైన్స్ పరికరాల నమూనాలు

CLEAN GODAVARI RIVER

Principal
Govt. Degree College
Bhadrachalam-507 111,
Bhadradri Kothagudem Dist.