



NATURE SPARK

VISIT TO BIODIVERSITY PARK (DOLPHIN CONSERVATION SOCIETY)

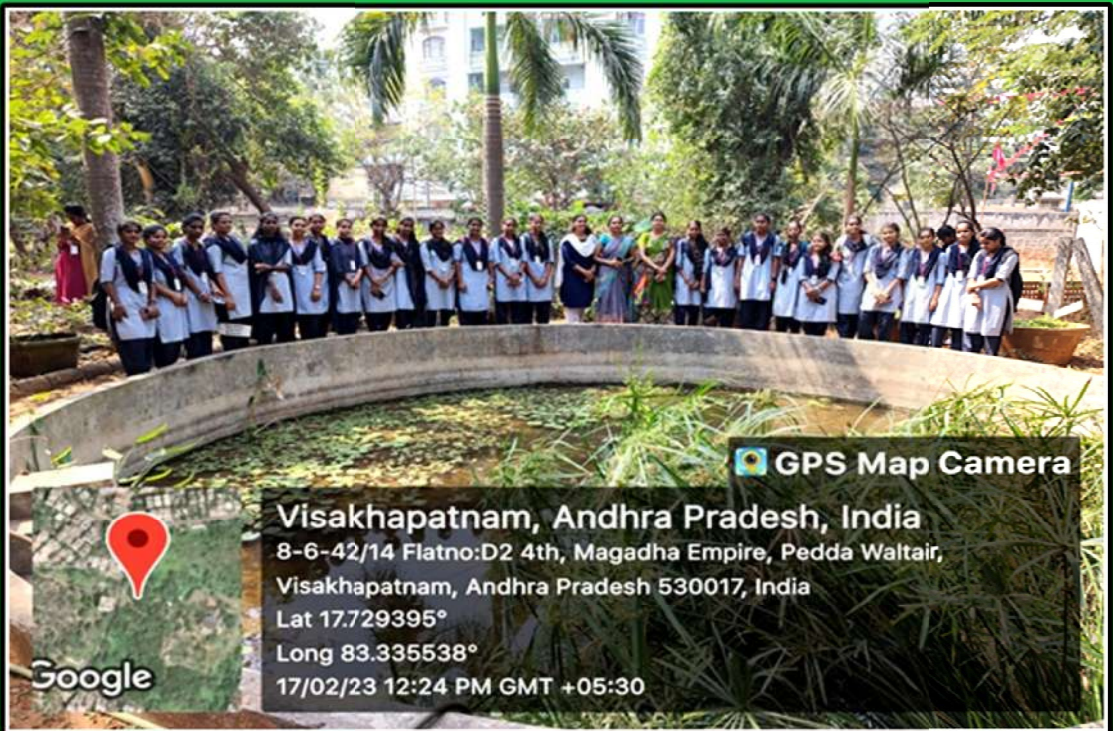


The Dolphin nature conservation society (DNCS) is a registered voluntary environmental non-profit and non-governmental organization (NGO) located in Visakhapatnam, Andhra Pradesh, India. The society was founded on March 5, 2001 by Dr.M.Rama Murthy and Dr.Mangathayi .It is committed to the causes of Nature conservation, Environmental protection, Research education and awareness.

This biodiversity park is an educational botanical garden contains more than 2000 species of plants and hundreds of butterfly and bird species .This garden provide live experience of many unknown varieties of plants.

Like every year this year we has visited the Biodiversity Park and experienced the varieties of medicinal, herbal, air purifying, desert plants .Students experienced the Pond ecosystem and Desert ecosystem.





Students visited Dolphin nature conservation society (DNCS) and practically observed pond ecosystem maintenance



VISIT TO NURSERY GARDENS KADIYAM, ANDHRAPRADESH.

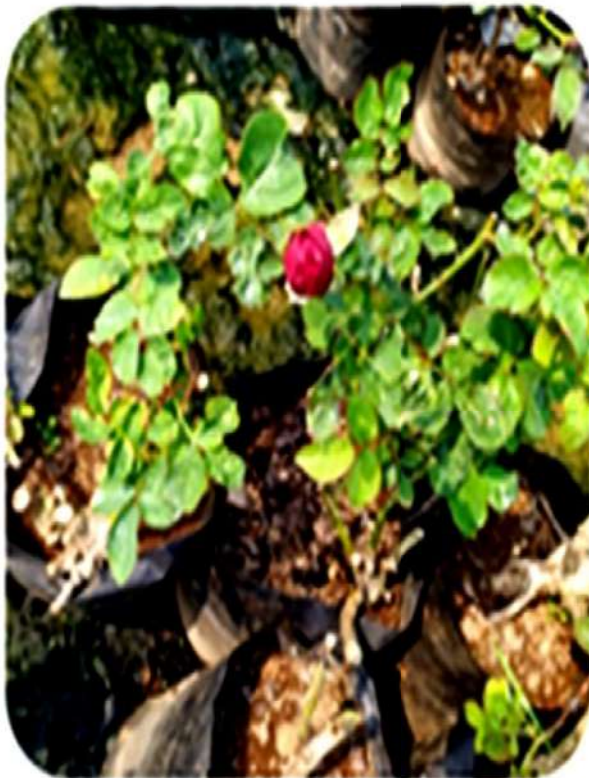
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Kadiyam is a place located in Rajahmundry, Andhrapradesh. About 800 nurseries are spread in 10,000 acres in 13 villages of kadiyam mandal in east Godavari. Farmers are doing good business and providing considerable employment to about 20,000 agriculture labour.









HISTORY: It is said that 125 years ago, a farmer named Chinna Rao started flower cultivation in this area. various varieties of flowering, fruit yielding ,ornamental plants etc .were grown. In recent years this sector gained popularity and got good profits.

Mostly traders from Bangalore, Mumbai, Goa and Gujarat place orders with the Kadiyam nurseries and, the plants from these nurseries are also exported to the Middle East and European countries..

A plant nursery is a place that sells plants, but it's not limited to just selling them. They will also provide advice on how to care for your plants and help you choose the right plant for your garden. They can even give you tips on what type of soil or fertilizer you should use in order to grow healthy plant. Kadiyam has an abundance of greenhouses and nurseries that sell a variety of plants, flowers, and trees.



Different varieties of plants available in kadiyam nurseries:

S.NO	PLANT VARIETY	EXAMPLE
1	FRUIT PLANTS 	<ul style="list-style-type: none"> • Mango • Grapes • Cran Berry • Guava • Sapota
2	FLOWERING PLANTS 	<ul style="list-style-type: none"> • Rose. • Bougainvillea. • Hibiscus • Lantana. • Adenium. • Milli.
3	AVENUE TREES 	<ul style="list-style-type: none"> • Pipal. • Mast Tree / Debdaru / Asoka. • Arjun. • Pigeon Wood / Charcoal Tree. • False White Teak. • Indian Tulip Tree
4	CLIMBERS AND CREEPERS 	<ul style="list-style-type: none"> • Bougainvillea (Bougainvillea) • Blue morning glory (Ipomoea indicia) • Devil's ivy (Epipremnum aureum) • Star jasmine (Trachelospermum jasminoides) • Bengal clock vine (Thunbergia grandiflora) • Sweet potato vine (Ipomoea batatas) . • Flame vine (Pyrostegia venusta)
5	GROUND COVERS 	<ul style="list-style-type: none"> • Rhoecoloma Discolor Compacta • Wedelia - Sphagneticola Trilobata • Purple Queen - Tradescantia Pallida • Vinca - Catharanthus Roseus
6	INDOOR PLANTS 	<ul style="list-style-type: none"> • Areca Palm . • Snake Plant. • Aloe Vera plant • Ferns. • Monstera. • Money plant • Anthurium. • Peace Lily.
7	BONSAI 	<ul style="list-style-type: none"> • Ficus • Jade/ Crassula Ovata • Chinese Elm • Juniper • Casuarina • Divi Divi • Pomegranate- • Brazilian Raintree
8	MEDICINAL PLANTS 	<ul style="list-style-type: none"> • Tulasi • Spear mint • Carom • Giloy • Aloe Vera • Curry Leaves • Khus • Ashwagandha



This is the best place to buy plants of different varieties on large scale in wholesale prices.



KRISHI VIGNANA KENDRA (BHAGAVATHULA CHARITABLE TRUST)

BCT-KVK works for farmers development and improving the farmers practices. The founder of BCT was Dr.B.V.Parameswara Rao .He was greatly influenced by the knowledge of simple villagers. He started a school with public participation in PANCHADRLA IN VSP. Soon Bhagavathula Charitable Trust started many projects in association with world bank ,National Literacy Mission ,and even played a key role in starting the DW CRA(Development of Women and Children in Rural Areas) AND OTHER PROJECTS.

BCT-KVK is located in Haripuram, Rambilli Mandal, Visakhapatnam district, it is about 30kms far from our college.we had visited to the KVK in the month of February 2023 .It was a great experience for both students and the faculty ,visiting the KVK-BCT. There we interacted with Head of the KVK Dr. Sailaja.

STUDENTS AND STAFF WITH KVK TEAM



Activities at KVK.BCT



- Vermi composting unit.
- Dairy farm.
- Poultry farm.
- Azolla unit.
- Shade net house and poly house.
- Field farms
- Mushroom culture unit.
- Food processing unit with millets.



SUNFLOWER SEED PRODUCTION FIELD



CHAITANYA DEGREE & PG COLLEGE FOR WOMEN

Affiliated to Andhra University, Chaitanya nagar, Old Gajuwaka, Visakhapatnam-530026.



Veduruvada, Andhra Pradesh, India
Unnamed Road, Veduruvada, Andhra Pradesh 531011, India
Lat 17.54774°
Long 82.942747°
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Dr .Ram Prasad has explained clearly about vermin compost preparation and conditions to be maintained like mainly temperature and moisture etc. Using this information we had started a vermicompost unit in our college campus.

AZOLLA UNIT

SHADE NET HOUSE



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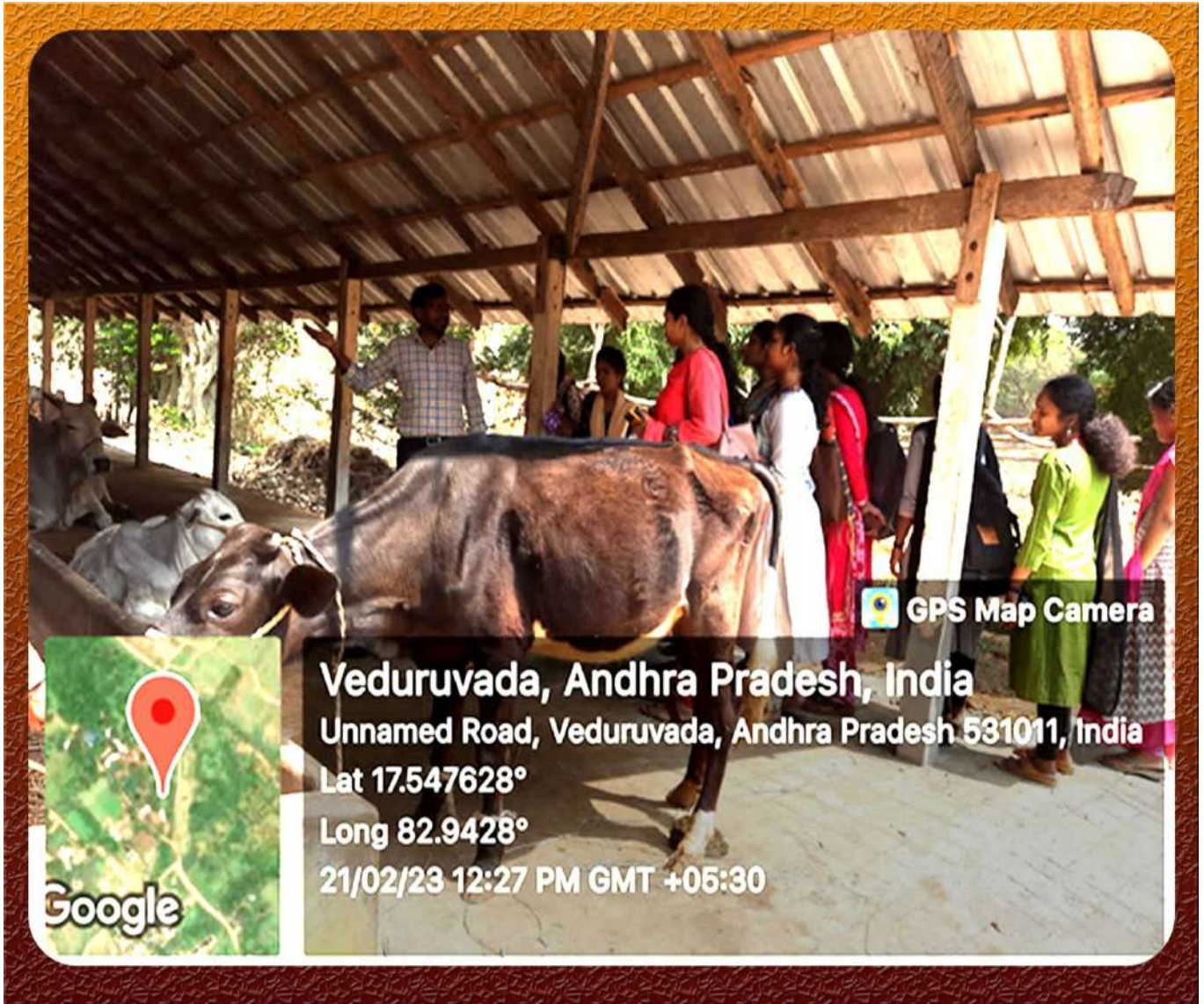


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Veduruvada, Andhra Pradesh, India
Unnamed Road, Veduruvada, Andhra Pradesh 531011, India
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Long 82.942098°
21/02/23 10:56 AM GMT +05:30

MILLET FOOD UNIT



CATTLE FARM IN KVK

They are using Cow dung for vermicompost preparation. Even they used animal excreta for the preparation of “JEEVAMRUTHAM” Like these many other units are also well maintained and helping many farmers.

No. of Students Participated: 150 III & II B.Sc (CBZ) Students

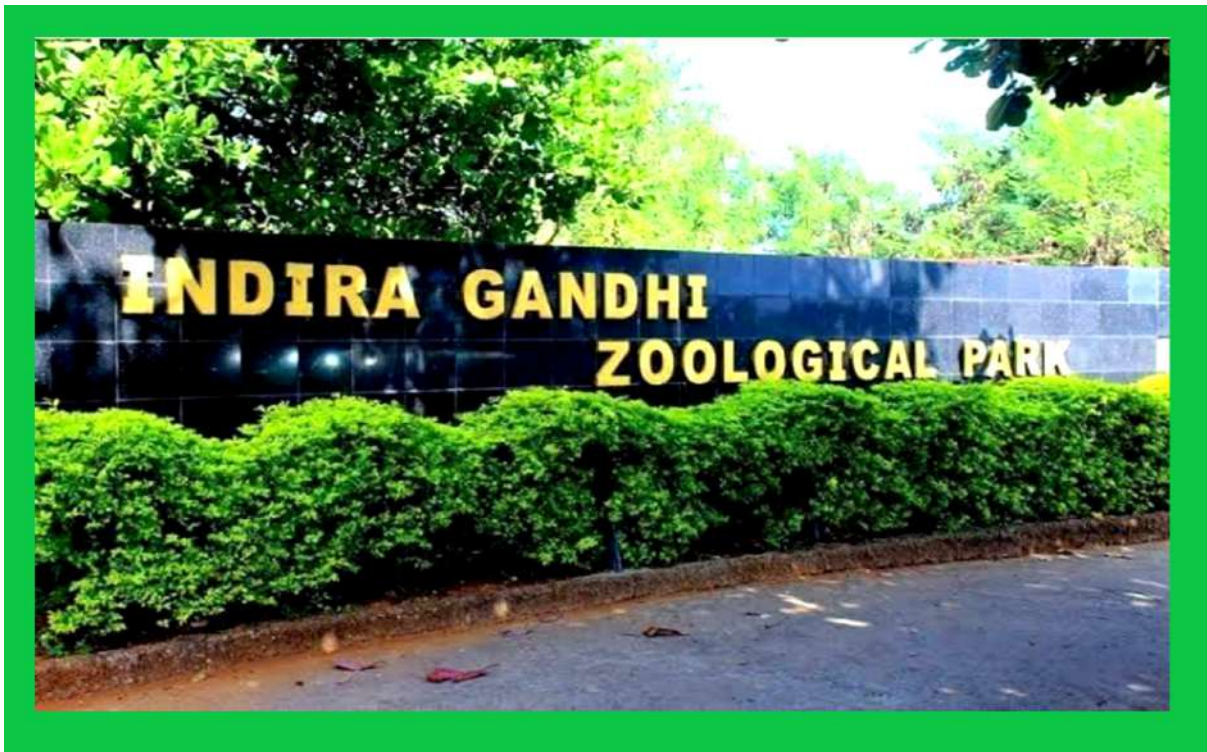
Visit Date: 21/02/2023

Outcome:

1. Practical knowledge to maintain Vermicompost unit and Mushroom cultivation.
2. Exploring nutritional values and diverse importance of millets.



FIELD TRIP TO INDIRA GANDHI ZOOLOGICAL PARK.



INTRODUCTION: On 19/02/2022, 60 students of II and III C.B.Z with three lecturers went for zoological field trip to “INDIRA GANDHI ZOOLOGICAL PARK” Visakhapatnam. This is one of the largest zoological parks in Andhra Pradesh. It is surrounded by the Eastern Ghats on three sides and set in laps of the Kambalakonda forest reserve . This park is spread over 625 acres and is home to almost 80 species of wildlife. The zoological park was named after the former prime minister of India and was opened for visitors on 19 th may 1977.





OBJECTIVES OF FIELD TRIP:

- To apply theory into practice.
- To enrich the classroom information.
- To develop observational skills
- To improve the taxonomy of fauna.
- To explore the animal world.
- To get a better idea about biodiversity.
- To understand conservation methods.
- To understand their role in conservation.

FIELD OBSERVATION:

Students were very much excited to see the animals. Once they entered the zoo their first excitement was OSTRICH, the largest flightless bird. They spent lot of time near that



enclosure. Students got the chance to see its egg. They observed other birds like Emu, Macaw, Budgerigar, Love birds, Pea fowl etc.



Students near the MACAW enclosure.

Students observed some endemic primates like Bonnet monkey, Rhesus monkey and exotic primates like Baboon, Lemur, etc. Students watched Wild boar, Spotted deer, Nilgai, Sambar deer, Elephant etc.



Students at the enclosure of Sambar deer



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Another attraction for students is Butterfly park. In Indira Gandhi Zoological park the Butterfly park was constructed with required host and nectar plants to complete all the life stages of the Butterfly's life cycle from egg, larva, pupa to an adult. It has various nectar and larval host plants that produce essential alkaloids that help in naturally attracting the butterflies. The rare Crimson Rose and Danaid Eggfly which are legally protected in India under the schedule I of the Wildlife Act ,1972 can be spotted here.



Latitude: 17.758203°

Longitude: 83.352056°

ALTITUDE : 0 METER

SATURDAY 19.02.2022

Local : 16:30:56

GMT : 11:00:56



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Latitude: 17.758203°
Longitude: 83.352056°
ALTITUDE : 0 METER
SATURDAY 19.02.2022

Local : 16:29:38
GMT : 10:59:38





In Indira Gandhi Zoological park endemic bears like Sloth bear and Himalayan black bear were also observed.



Reptile world: In the reptile world python, cobra, King cobra, Rattle snake, Indian star tortoise, tortoise, Terrapin, Water monitor lizard, Monitor Lizard, Green iguana, Mugger crocodile and Gharial were observed.



Student's joy went to peak when we reached the White tiger enclosure. In front of each enclosure there was a board of detailed information about the animal. Here they mentioned that according to Wildlife protection Act 1972, these are "Endangered" as they are hunted for their Claws, Skin, Other body parts. The interesting point about the white tiger is their skin colour which is white because of a lack of pheomelanin pigment.

Indira Gandhi zoological park not only conserves the animals but also conducts various educational awareness activities and programmes specially for students. As a part of this our students participated in such event and secured prizes. (K.Mounika of C.B.Z group in the year 2018)





CONCLUSION: After the visit to the zoo students understood how Government takes utmost care in conserving the fauna . They understood how difficult this process is and how much amount it needs.

Students got complete information about the animal adoption in official website of zoo. There they found that we can adopt animals per day, week, month, or year wise of our choice.



Adoption certificate presentation to Dr.Chandra Mahalaxmi ,The Principal of Chaitanya Degree College for Women by Zoo P.R.O,Mr.Ramana.



**A.P. FOREST DEPARTMENT
INDIRA GANDHI ZOOLOGICAL PARK
VISAKHAPATNAM**



CERTIFICATE

This is to certify that Mr/Mrs/Kum/Master. *Chaitanya Women's Degree College*
S/o,D/o R/o. *Gajuwaka, Visakhapatnam*.....
donated Rs. *7,700/-*..... Dt. *06.03.2022* amount/cheque towards animal
adoption scheme of Indira Gandhi Zoological Park, Visakhapatnam to Adopt
Macaws, Parakeet, Pheasant, Love birds. Bird / Animal / Reptile for the period of
.....*One Year*..... dd/mm/yyyy and these donations are exempted in 80G
(5) of IT Act 1961 as per the Proceedings No. DIT(E) / HYD / 80G / 45(08) /
10-11, dt.18.02.2011 of Director of I.T exemption.

CURATOR

**Indira Gandhi Zoological Park
Visakhapatnam.**

Visakhapatnam

Date:

Outcomes:

- After the visit to the zoo students understood how Government takes utmost care in conserving the fauna .They understood how difficult this process is and how much money it needs. Students were interested in conservation of animals and took the decision to adopt animals and declared about “ANIMAL ADOPTION” to zoo officials.
- Students with the support of their friends, staff, college management they raised the fund of 10,000 Rs/- With that amount our college adopted four birds for one year. Which are “MACAWS, PHEASANTS, PARAKEET, AND LOVEBIRDS.
- Identification and observation of rare animal species
- Helped as a recreational activity for students
- Knowledge on the importance of conservation of endangered fauna