

**ADUSUMILLI GOPALAKRISHNAIAH & SUGAR CANE GROWERS
SIDDHARTHA DEGREE COLLEGE OF ARTS & SCIENCE, VUYYURU**

**An Autonomous College in the Jurisdiction of Krishna University,
Machilipatnam**

NAAC reaccredited at 'A' level

DEPARTMENT OF ZOOLOGY

2023-24



DAYS OF IMPORTANCE

2018 – 19 to 2022-23



DAYS OF IMPORTANCE

INDEX

S.No	Date and Year	Name of the Activity	Resource person
1.	05-06-18	World Environment Day	Dr. D. Balakrishna, Principal
2.	05-06-19	World Environment Day	Dr.B.Srinivasa Rao
3	05-06-19	World Environment Day	Dr. D. Balakrishna, Principal
4	09-09-2021	Eco-friendly Vinayaka Chaturthi	Dr. D. Balakrishna Principal
5	19/03/2022	World sparrow Day	Sri. K. Satyanarayana Principal
6.	22/03/2022	World Water Day	Sri. K. Satyanarayana Principal
7.	13.06.2022	International Pigeon day	Sri. K. Satyanarayana Principal
8.	30.08.2022	Eco-friendly Vinayaka Chaturthi	Sri. K. Satyanarayana Principal
9.	21/11/2022	World Fisheries Day	Sri. K. Satyanarayana Principal

WORLD ENVIRONMENT DAY

Date: 05-06-18

Class Participated:

II B.Sc.(BZC &ABC)

III B.Sc. (BZC& ABC)

Staff Participated:

1.Smt. D.A.Kiranmayee.

2. Smt.Ch. Beulah Ranjani

3. Kum.M.L.Priyanka

4. Sri.N.Ramana Rao

5. Sri.E. Ganesh

Place: Vuyyuru Centre,AG & SG Siddhartha Degree College

Observation: Impact of plastic bags and single use plastic on the environment.

Objective:

To bring awareness among the students and communities to reduce the production and excessive use of single-use plastic

Brief Report:

On the occasion of “World Environment Day” we conducted public awareness Rally by our college students on 05-06-18.

Staff members that have participated in the activity motivated and educated the students about the negative impact of plastic bags by their speeches. They suggested the students that one of the best ways to participate in the Beat Plastic pollution Day celebration is to encourage friends and family to switch on to reusable bags.

Basing on the theme“**Beat Plastic pollution**”, for World Environment Day 2018, the department of Zoology brought awareness among the students and communities, and urged individuals to come together and explore sustainable alternatives and urgently reduce the production and excessive use of single-use plastic polluting our surroundings, damaging aquatic life and threatening humans. The Department has organized aPublic Awareness Rally at Vuyyuru Centre.

Outcome: Through this awareness programme some of the students made their own cloth bags and they decided to bring steel lunch boxes.

World Environment Day Photos

Date: 05-06-18



Staff members started the rally at our college



Students participated in the rally

World Environment Day

Date: 05-06-19

Class Participated:

II B.Sc.(BZC &ABC)

III B.Sc. (BZC& ABC)

Staff Participated:

1. Smt. D. A. Kiranmayee.
2. Smt. Ch. Beulah Ranjani
3. Kum. M. L .Priyanka
4. Sri. N. Ramana Rao
5. Sri. E. Ganesh

Place: AG & SG Siddhartha Degree College

Objective:

- To bring awareness in students about reduction of Air Pollution
- To plant saplings to reduce pollution

Brief Report:

- The theme of the World Environment Day 2019 is “**Beat Air Pollution**”.
- In view of this the theme the department of Zoology has conducted plantation program by the students on 05-06-19.
- The chief Guest for the function is **Dr.B.Srinivasa Rao**.
- Staff members who participated in the program motivated and educated the students about the negative impact of Air pollution by their speeches.
- They suggested that one of the best ways to participate in the Beat Air pollution Day celebration is to encourage friends and family to Plantation.

Outcome: Students have planted saplings in and around the college and motivated the people to plant so as to reduce Air pollution.



Dr.B.Srinivasa Rao planting a sapling



Zoology, Botany and Environmental studies staff at plantation program

World Environment Day

05-06-2020

Class Participated:

II B.Sc.(BZC &ABC)

III B.Sc. (BZC& ABC)

Staff Participated:

1.Smt. D. A. Kiranmayee.

2. Smt. Ch. Beulah Ranjani

3. Kum. M. L .Priyanka

4. Sri. N. Ramana Rao

Place: AG & SG Siddhartha Degree College

Objective:

To take care of the environment around us.

Brief Report:

- The theme of the World Environment Day 2019 is “**Time for Nature**”. In view of this the theme the department of Zoology has conducted plantation program by the staff on 05-06-20.
- The chief Guest for the function is **Dr.B. Balakrishna**, Principal of the college. This is a very relevant theme because human beings cannot survive in isolation as biodiversity is important for the survival of everyone.
- With college under lockdown due to the corona virus outbreak, one positive which seems to have come out of this whole situation is that our environment has become better. Pollution levels have reduced and the air has become cleaner too.
- It is only if we keep on taking care of the environment around us - that in turn shall benefit us. World Environment Day is celebrated every year on June 5, so that people are reminded that we should not take nature for granted.

Outcome:

Plantation by Staff in the college campus to reduce pollution

World Environment Day

05-06-2020



On the Occasion of World Environment Day College Principal planted Saplings in the campus



On the Occasion of World Environment Day College Principal planted Saplings in the campus

Eco-friendly VinayakaChathurdhi

09-09-2021

Place:AG & SG Siddhartha Degree College

Objective:

To state the importance of Clay idols of Lord Ganseha and medicinal value of Pathri (21plants) to students and local community.

Report on Activity: Ganesh Chaturdhi, also called Vinayaka Chavithi, is an auspicious Hindu festival which is celebrated for 10 days every year. The festival is celebrated in the Bhadra month as per the Hindu calendar which generally falls in mid-August to September. It marks the birthday of the beloved elephant-headed Lord Ganesha. At present Lord Ganesha idols are being made of Plaster of Paris and are painted with chemical paints. When these idols are dipped in water, the water sources are being polluted. To bring awareness on this matter the Department of Zoology has conducted Eco- Friendly Vinayaka Chaviti stating the importance of Clay idols of Lord Ganseha and medicinal value of Pathri (21plants).

Dr.D.Bala Krishna, Principal of the College had also motivated and inspired students to use clay idols of Lord Ganesha.The Department staff has distributed Clay idols andpathri to college staff members.

The event was ended by vote of thanks by the students.



Celebrations of Eco-friendly VinayakaChavathi festival in our college



Ganesha Clay idols were distributed to all the staff members



Clay idols & Pooja Pathri are distributed to the staff members on the occasion of VinayakaChavithi

World sparrow Day

19/03/2022

Class participated: III BZC & AQUA

Staff participated :

- 1.Smt. D.A.Kiranmayee.
2. Smt.Ch.BeulahRanjany.
- 3.Smt.K.Padmaja.
- 4.Sri. N.Ramana Rao

Place: AG & SG Siddhartha Degree College –Vuyyuru

Objective:

To bring awareness about the decline of sparrows

To take measures for the protection of sparrows

Report on Activity:

Department of Zoology in collaboration with IQAC of A.G. & S.G.S Degree. College of Arts & Science celebrated "World Sparrow Day" on 19th March 2021. The theme of the program is "Sparrow Conservation: Today's Need". The Principal of the college graced the function. Sparrows in cages are exhibited to students, teaching and non-teaching staff. Smt.D. A. Kiranmayee HoD of Zoology explained about the behavioural aspects of sparrows and why sparrows are not visible nowadays. The most common reasons for decline of the species are loss of habitat and loss of sources of food and water.

One of the measures to be followed in cities is nest building and provision of food and water in small utensils or bottles. Nests of sparrows are displayed and students have been inspired and motivated about nest building, thereby preserving the sparrow species.

Principal of the College K. Satyanarayana garu appreciated the event and said that, such activities help to create awareness in students for conserving Nature and Wild Life.

Outcome: The goal of World Sparrow Day is to raise awareness of the plight of sparrows and other common birds and to inspire people and organisations around the world to take action to protect them.

World sparrow Day

19/03/2022



Smt. D. A. Kiranmayee explaining about the decline of sparrows



Principal, students and staff observing the sparrows.



World Water Day

22/03/2022

Class Participated:

III BZC, AQUA & PG (Chemistry)

Staff Participated:

- 1.Smt. D.A.Kiranmayee.
2. Smt.Ch.BeulahRanjany.
- 3.Dr.V.Sreeram
- 4.Sri. J.Nageswara Rao

Place: AG & SG Siddhartha Degree College –Vuyyuru

Objective:

To bring awareness on conservation of Ground water.

Report on Activity: A.G.& S.G S Degree College of Zoology in association with the PG –Chemistry organized an elocution competition and Poster presentation on Conservation of Groundwater on the occasion of WORLD WATER DAY on 22-03-2022.

PG Chemistry & III year B.Sc.BZC students actively participated in the competition and presented their ideas regarding the water conservation methods like rainwater harvesting pits, reusing the wastewater etc. 60 students have actively participated in the competition. Three students were selected as winners. Prizes are distributed by the Principal of the college.

Outcome:

Students presented different ideas on conservation of water.



Principal Sri. K. satyanarayana speaking on Water Conservation methods



Sri. J. Nageswar Rao Sr. Lecturer in Chemistry motivating students on water Conservation



Poster Presentation on importance of Water Conservation

International Pigeon day

13.06.2022

Class Participated:

I, II & III BZC & AQUA

Staff Participated:

1. Smt. D.A. Kiranmayee.
2. Smt. Ch. Beulah Ranjany.
3. Smt. K. Padmaja
4. Sri. N. Ramana Rao

Place: AG & SG Siddhartha Degree College - Vuyyuru

Objective:

- To promote positive portrayal of pigeons in society.
- To reduce the diminishing population of pigeons

Report on Activity

- On 13th June, 2022, on the occasion of, “**International Pigeon day**” the Department of Zoology in association with IQAC organized awareness program to promote positive portrayal of pigeons in Society.
- In this context an Exhibition on different varieties of pigeons was arranged. Teachers, along with the students, participated in the exhibition to view the different types of pigeons and know about them.
- The day to day existence of most of the pigeons is very difficult— finding food and clean water, avoiding being trapped maimed and poisoned, and just being able to exist in some kind of peaceful state.
- Pigeons are one of the most vulnerable creatures on enemies in the millions who are ready to eliminate, poison, and destroy them in any way they can without any conscience. As a result, the pigeon population is rapidly diminishing
- Smt. D. A. Kiranmayee HoD of Zoology educated students about the role of pigeons played in History and showed them just how sweet and charming these birds are. If we love them bad publicity and hate on them will be eliminated.

Outcome:

Students became aware of the measures to be followed to protect the pigeons.

International Pigeon day
13.06.2022



Zoology Staff explaining the varieties of pigeons to students



Student asking a Query

ECO-FRIENDLY VINAYAKA CHAVITHI

30-08-2022

Classes Participated:

I, II & III BZC & AQUA

Staff Participated:

1. Smt. D.A. Kiranmayee.

2. Smt. K. Padmaja

3. Dr. V. Subhashini

Place: AG & SG Siddhartha Degree College

Objective:

To bring awareness on the importance of Clay idols of Lord Ganseha and medicinal value of Pathri(21 plants).

Report on Activity:

Ganesh Chaturdhi, also called Vinayaka Chavithi, is an auspicious Hindu festival which is celebrated for 10 days every year.

The festival is celebrated in the Bhadrapada month as per the Hindu calendar which generally falls in mid-August to September.

It marks the birthday of the beloved elephant-headed Lord Ganesha. At present Lord Ganesha idols are being made of Plaster of Paris and are painted with chemicals. When these idols are dipped in water, the water sources are being polluted.

To bring awareness on this matter the Department of Zoology has conducted Eco-Friendly Vinayaka Chaviti stating the importance of Clay idols of Lord Ganseha and medicinal value of Pathri(21 plants). The clay idols of Lord Ganesha are prepared by students.

Sri. K. Satyanarayana, Principal of the College motivated and inspired students to use clay idols of Lord Ganesha. The Department staff has distributed clay idols and pathrito college staff members.

The event ended with vote of thanks by the students.

Outcome: Students used clay idols of Lord Vinayaka for this Ganesh Chaturdi.

ECO-FRIENDLY VINAYAKA CHAVITHI

30-08-2022



**Clay Idol of Lord Vinayaka and Pathri handing over to
Principal Sri. K. satyanarayana**



**Clay Idol of Lord Vinayaka and Pathri handing over to Sri. J.
Nageswar Rao Sr. Lecturer in Chemistry**

WORLD FISHERIES DAY

21.11.2022

Classes Participated:

I, II & III BZC & AQUA

Staff Participated:

1. Smt. D.A. Kiranmayee.
2. Smt. K. Padmaja
3. Dr. V. Subhashini

Place: AG & SG Siddhartha Degree College - Vuyyuru

Report on Activity:

Introduction:

The Department Zoology in association with IQAC organized an Exhibition in view of “**WORLD FISHERIES DAY**” on 21/11/2022. Almost 550 students of the College witnessed the program.

World Fisheries Day is celebrated on 21st November every year to demonstrate solidarity with all fisherfolk, fish farmers and concerned stakeholders throughout the world. It represents a chance to recognise the vast and sometimes underappreciated food source for millions of humans that is the sea.

Heeralal Chaudhary is considered the father of the Blue Revolution. The blue revolution is related to fisheries. It was launched in India during the seventh five-year plan (1985-1990). Its aim is to achieve the economic prosperity of the country and the fishers and fish farmers.

The Fisheries Day was started in the year 1997 when “World Forum of Fish Harvesters & Fish Workers” met at New Delhi leading to formation of “World Fisheries Forum” with representatives from 18 countries and signed a declaration advocating for a global mandate of sustainable fishing practices and policies

Very high in protein, vitamins, and minerals, Surmai or King Mackerel is indeed the king fish of the Indian ocean.



In Bangladesh and West Bengal, ilisha is often termed as the 'Queen' of fishes. This fish is called as PULASA in Godavari districts of Andhra Pradesh State in India. The name Pulasa stays with the fish for a limited period between July-Sept of a year, when floods (muddy) water flow in Godavari River.



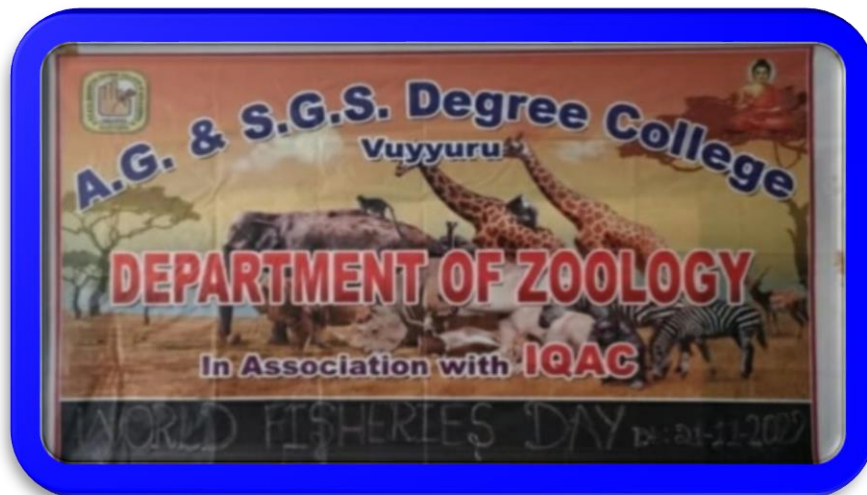
PULASA



PULASA

Objectives:

1. To bring awareness in students, staff and local community about fish and its importance
2. To highlight the importance of sustainable stocks of fisheries in Andhra Pradesh
3. To strengthen human rights for the small-scale fishing communities.
4. To make aware of true differences in the working conditions of fishing communities and to eliminate illegal, unreported and unregulated fishing.



Inauguration:

The exhibition was inaugurated by Principal Sri. K. Satyanarayana. He addressed the students that such activities are necessary for sustainability of aquaculture. He also explained that the theme for 2022 is the emphasis on the role of fishing ports and how

ports can contribute to secure the social sustainability of the sector. He also gave information about the job opportunities in aquaculture field.



Exhibits:

1. Aquarium Fishes:

- A number of Aquarium fishes are exhibited such as Gold fish, Zebra Fish, Angel fish, Guppy, Koi, Gaurami, black shark, etc.
- Students explained the morphology, feed, breeding and diseases caused to these fishes.
- If Breeding is practiced a person can earn more money and improve his financial status.

2. Freshwater Fishes:

Fishes like carps, Catfishes, Murrel fishes, Magur fishes and Singhis are exhibited.

3. Brackish Water Fishes:

Fishes like Chanos chanos (milkfish), Mugil cephalus (Stripped mullet, Grey mullet or Koinga, Lates calcarifer (Sea bass) are exhibited. Students explained how to identify them and their nutrient value.

4. Marine fishes:

Sardinella longiceps (Noone- kavalu), Rastralliger kanagurta:(Indian mackerel), Anguilla anguilla(Eel)

5. Culture practices:

Models and flexies of Extensive, semi-intensive, Intensive cultures are exhibited.

6. Design of Pond:

Model of design of a pond is exhibited.

7. Preservation of Fish food:

Students explained about different methods of fish preservation like storing in Ice, salt, drying etc.

8. Fish gear:

Fish nets like gillnet, cast net, trawl net, seine net, purse seine, basket net models are exhibited.

9. Fish Products:

Fish products like fish meal, fish oil, fish liquid, Fish cake, fish sauce, fish salads, fish powder, pet food from trash fish, fish manure are exhibited

10. Fish By products:

Flexi of fish glue, isinglass, chitosan, pearl essence, shark fins, fish leather and fish maws are exhibited.

Outcome:

- Students became aware of the various aspects in Aquaculture.
- They also knew that fisheries are a source of income and employment.
- Fish and other aquatic animals are an important source of food as it is rich in proteins, minerals and vitamins. It has a role in the enhancement of food production.

PHOTOS OF WORLD FISHERIES DAY





Principal Sri.K. Satyanarayana interacting with Zoology staff and students



Smt. K. Padmaja explaining about Pulasa fish to the Principal Sri.K. Satyanarayana



Dr. V. Subhashini explaining to students



Zoology staff explaining to Vice- Principal Dr. V. Sreeram



Abdul Suleman, III BZC Student explaining design and types of fish ponds



Abigeyulu, II BSc. Aqua student explaining types of culture to staff and students





II BZC student explaining preservation of fishes to Principal



Students explaining about prawn and fishes



Students explaining to staff