

# Andhra Christian College::Guntur

## Department of Zoology

### Seminar Report

**Topic:** General Characteristics of Chordates and Classification of Chordates

**Date:** 09-02-2022

**Time:** 11:00 a.m.

**Venue:** Department of Zoology, Andhra Christian College, Guntur

**Audience:** B. Sc. (CBZ) Students

**Resource Person:** Mrs. P. Nancy Sobha Rani, Head, Department of Zoology, Hindu College, Guntur

#### Faculty of the Department Present:

- Mr. B. Prabhakar, Head
- Dr. B. D. J. Satyalatha, Senior Lecturer
- Mr. B. Charles Wesley, Lecturer
- Mrs. T. Kanakavalli, Lecturer
- Mrs. P. Mary Josfin, Lecturer

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#### Objectives of the Seminar

1. **Understanding Chordates:** To provide a comprehensive understanding of the general characteristics that define chordates.
2. **Classification Insight:** To explain the classification of chordates, emphasizing the distinguishing features of each class.
3. **Evolutionary Perspective:** To discuss the evolutionary significance of chordates and their phylogenetic relationships.
4. **Practical Knowledge:** To enhance students' practical knowledge about chordates through examples and illustrations.
5. **Academic Development:** To foster academic growth and curiosity among students regarding the diversity and complexity of chordates.

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#### Detailed Report

The seminar on "General Characteristics of Chordates and Classification of Chordates" commenced at 11:00 a.m. in the Department of Zoology, Andhra Christian College, Guntur. The event was organized for the B. Sc. (CBZ) students to enhance their understanding of the foundational concepts of chordates.

**Welcome and Introduction:** Mr. B. Prabhakar, the Head of the Department of Zoology, welcomed the students and faculty members. He introduced the resource person, Mrs. P. Nancy Sobha Rani, highlighting her expertise and contributions to the field of zoology.

**Session by Mrs. P. Nancy Sobha Rani:** Mrs. P. Nancy Sobha Rani began the session by defining chordates and explaining their significance in the animal kingdom. She discussed the following key points:

1. **General Characteristics of Chordates:**

- Presence of a notochord
- Dorsal hollow nerve cord
- Pharyngeal slits
- Post-anal tail
- Endostyle or thyroid gland

2. **Classification of Chordates:**

- **Subphylum Urochordata (Tunicates):** Characteristics and examples
- **Subphylum Cephalochordata (Lancelets):** Characteristics and examples
- **Subphylum Vertebrata (Craniata):**
  - **Class Agnatha (Jawless Fishes):** Hagfishes and lampreys
  - **Class Chondrichthyes (Cartilaginous Fishes):** Sharks, rays, and skates
  - **Class Osteichthyes (Bony Fishes):** Salmon, trout, and tuna
  - **Class Amphibia:** Frogs, toads, and salamanders
  - **Class Reptilia:** Snakes, lizards, and turtles
  - **Class Aves (Birds):** Sparrows, eagles, and penguins
  - **Class Mammalia:** Humans, dogs, and whales

She used visual aids, including diagrams and slides, to illustrate the anatomy and characteristics of various chordate groups. The presentation was interactive, with students asking questions and engaging in discussions.

**Interactive Session:** The seminar included an interactive session where students posed questions about the evolutionary significance of chordates, the adaptations seen in different classes, and the ecological roles of chordates. Mrs. P. Nancy Sobha Rani provided detailed answers, drawing on her extensive knowledge.

**Conclusion:** The seminar concluded with a vote of thanks by Dr. B. D. J. Satyalatha, Senior Lecturer. She expressed gratitude to the resource person for her enlightening presentation and to the students for their active participation.

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### **Outcomes of the Seminar**

1. **Enhanced Understanding:** Students gained a thorough understanding of the general characteristics and classification of chordates.
  2. **Academic Enrichment:** The seminar enriched the students' academic knowledge and sparked interest in further studies on chordates.
  3. **Interactive Learning:** The interactive nature of the seminar encouraged students to think critically and ask insightful questions.
  4. **Visual Learning:** The use of visual aids helped students grasp complex concepts more easily.
  5. **Evolutionary Insights:** Students appreciated the evolutionary perspective of chordates and their significance in the animal kingdom.
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The seminar was a resounding success, achieving its objectives and providing valuable knowledge to the students. The Department of Zoology looks forward to organizing more such informative sessions in the future.



**Mr. B. Prabhakar, Head of the Department introducing Mrs. P. Nancy Sobha Rani, Resource Person to the seminar**

List of participants

S. No.	Name of the Student	Roll No.	Signature
1.	P. Varshitha	901	P. Varshitha
2.	O. Rupini	902	O. Rupini
3.	T. Sandhya	904	T. Sandhya
4.	Ch. Jhansi	906	Ch. Jhansi
5.	P. Dileep	908	P. Dileep
6.	S. Srihari	909	S. Srihari
7.	K. Adithya	921	K. Adithya
8.	R. Fidhayath	907	R. Fidhayath
9.	U. Mahesh	911	U. Mahesh
10.	V. Anand	924	V. ANAND
11.	B. Mohanakrishna	910	B. Mohanakrishna
12.	T. Srija	913	T. Srija
13.	K. Priyanka	915	K. Priyanka
14.	G. Sana	916	K. Sana

B Drabhakar  
H.O.D Dept of Zoology  
Coordinator KAR, M.Sc.  
Head of the Department  
Dept. of Zoology  
Andhra Christian College  
GUNTUR-522 001.

Principal  
PRINCIPAL  
ANDHRA CHRISTIAN COLLEGE  
(Day / Even. & P.G.)  
GUNTUR

**Andhra Christian College, Guntur**

(Day, Evening and PG)

**NOTICE**

Date: 08-02-2022

This is to inform that there will be a seminar on “**Chordates**” tomorrow, i.e., on 09-02-2022 at 11 AM. to be conducted by the Department of Zoology. Smt. P. Nancy Sobha Rani, Head of the Department of Zoology, Hindu College, Guntur will address the seminar.

All the students of B. Sc. (CBZ) are instructed to attend the programme without fail.

  
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Copy to:

1. The coordinator, IQAC, Andhra Christian College
2. The office manager, Andhra Christian College