

Andhra Christian College, Guntur

(Day, Evening & P.G.)

NOTICE

Date: 14-11-2022

All the B. Sc., Mathematics students are hereby informed to attend a Seminar in the department of Mathematics on the topic "Sequences and Their Applications" to be conducted on 15-11-2022 at 11.00 a.m.. Ms. L. Mary Anusha, Lecturer in Mathematics, St. Ann's Degree College for Women, Gorantla, Guntur will be the Resource Person for this seminar.

B. Visaya Kumar
14-11-22

Head

Department of Mathematics
Dr. B. VISAYA KUMAR
HEAD
Department of Mathematics
Andhra Christian College, GUNTUR

Copy to:

1. The coordinator, IQAC
2. The Office Manager

L. Mary Anusha
Principal

PRINCIPAL
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Department of Mathematics

Seminar Report on "Sequences and Their Applications"

Introduction

The Department of Mathematics, Andhra Christian College, Guntur, organized a seminar on the topic "Sequences and Their Applications" on 15-11-2022. The seminar was aimed at the B.Sc. Mathematics students and featured Ms. L. Mary Anusha, Lecturer in Mathematics, St. Ann's Degree College for Women, Gorantla, Guntur, as the resource person. The seminar was coordinated by Dr. B. Vijaya Kumar, Head of the Department, along with faculty members Dr. J. M. Pradeep, Senior Lecturer, Mr. R. Vijaya Daniel, Lecturer, and Mrs. G. Santhi Priya Ranjani, Lecturer.

Objectives of the Seminar

The seminar had the following objectives:

1. To introduce students to the concept of sequences and their fundamental properties.
2. To explore various applications of sequences in different fields of Mathematics.
3. To enhance students' analytical and problem-solving skills through practical examples and applications of sequences.

Seminar Proceedings

Opening Remarks

The seminar began with an introductory speech by Dr. B. Vijaya Kumar, Head of the Department of Mathematics. He welcomed the faculty members, students, and the resource person, Ms. L. Mary Anusha. He emphasized the importance of understanding sequences and their applications in higher mathematics and various real-world contexts.

Introduction to Sequences

Ms. L. Mary Anusha commenced the session by defining sequences and explaining their significance in Mathematics. She covered the basic properties of sequences and provided several examples to illustrate these concepts.

Key Points Covered:

- Definition of sequences.
- Types of sequences.
- Convergence and divergence of sequences.
- Importance of sequences in mathematical analysis.

Applications of Sequences

Ms. Anusha focused on the applications of sequences in various fields of Mathematics and other disciplines. She highlighted how sequences are used in solving complex problems and provided practical examples.

Key Points Covered:

- Sequences in calculus and series.
- Applications in computer science, particularly in algorithms and data structures.
- Use of sequences in financial mathematics and economics.
- Sequences in natural sciences and engineering.

Problem-Solving and Examples

The final session was dedicated to problem-solving and practical examples. Ms. Anusha engaged the students with interactive problems and guided them through the solutions, demonstrating the application of sequences in various contexts.

Key Points Covered:

- Solving problems using arithmetic and geometric sequences.
- Real-world examples where sequences play a crucial role.
- Techniques for analyzing and deriving sequences.
- Encouraging students to think critically and apply sequences to new problems.

Interactive Session

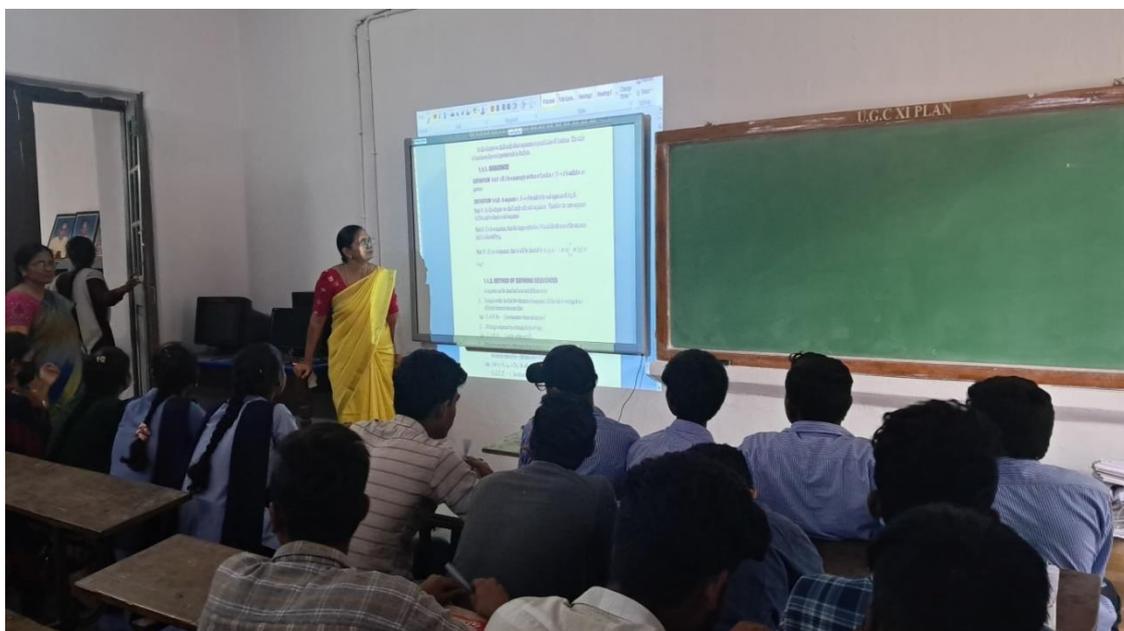
An interactive session followed the main presentations, allowing students to ask questions and engage in discussions with Ms. Anusha. This session was highly engaging and provided students with deeper insights into the topic of sequences and their applications.

Conclusion

The seminar concluded with a vote of thanks by Dr. J. M. Pradeep, Senior Lecturer. The students expressed their appreciation for Ms. L. Mary Anusha's informative and well-structured presentation. The seminar successfully achieved its objectives, enhancing the students' understanding of sequences and their applications in various fields of Mathematics.

Acknowledgements

The Department of Mathematics, Andhra Christian College, Guntur, extends its heartfelt gratitude to Ms. L. Mary Anusha for her valuable contribution to the seminar. Special thanks to the faculty members, and students for their active participation and support.



List of Students

S. No.	Name of the Student	Class & Group	Roll.No	Signature
1	K.Hemanth	I B. Sc., MPC	602	K. Hemanth
2	M.RaviTeja	I B. Sc., MPC	603	M. Ravi Teja.
3	Sk.Shahina Begum	I B. Sc., MPC	604	Sk. Shahina Begum
4	S.Rani	I B. Sc., MPC	605	S. Rani
5	A.Ravi Teja	I B. Sc., MPC	606	A. Ravi Teja
6	G.Ganesh	I B. Sc., MPC	607	G. Ganesh.
7	P.Madavi	I B. Sc., MPC	613	P. Sri Kanth Madavi
8	E.Srikanth	I B. Sc., MPC	611	E. Sri Kanth
9	J.Haveela	I B. Sc., MPC	612	J. Haveela
10	P.Madhavi	I B. Sc., MPC	613	P. Madhavi
11	K.Sailaja	I B. Sc., MPCComp.,	614	K. Sailaja.
12	T.Venkata Rao	I B. Sc., MPCComp.,	1402	T. Venkata Rao.
13	A.Gopi Chand	I B. Sc., MPCComp.,	1403	A. Gopichand
14	D.Tagore	I B. Sc., MPCComp.,	1404	D. Tagore.
15	B.Sandhya Rani	I B. Sc., MPCComp.,	1405	B. Sandhya Rani
16	Sk.Nazeera	II B. Sc., MPC	601	Sk. Nazeera.
17	Y.Naga Bhargav	II B. Sc., MPC	604	Y. Naga Bhargav
18	Sk.Naseema	II B. Sc., MPC	606	Sk. Naseema
19	K.Madhu Kumar	II B. Sc., MPC	607	K. Madhu Kumar
20	T.Jeeva Saranu	II B. Sc., MPC	608	T. Jeeva Saranu
21	Md.Sultan Sareef	II B. Sc., MPC	609	Md. Sultan Sareef
22	B.Prasanna Babu	II B. Sc., MPC	610	B. Prasanna Babu
23.	V.Praveen Kumar	II B. Sc., MPCComp.,	1403	V. Praveen Kumar
24.	J.Gowtham	II B. Sc., MPCComp.,	1406	J. Gowtham

25.	Sk.Shabana Bhan	II BB.Sc.,MPComp.,	1411	Sk. Shabana Bhan
26.	B.Shyam Kumar	III B.Sc.,MPC	601	B. Shyam Kumar
27.	B. Naveen Kumar	III B.Sc.,MPC	602	B. Naveen Kumar
28.	S. Revanth Siva	III B.Sc.,MPC	609	S. Revanth Siva
29.	K. Chaitanya	III B.Sc.,MPC	623	K. Chaitanya
30.	P.Thamas	III B.Sc.,MPComp.,	1401	P. Thamas
31.	K.Guravaiah	III B.Sc.,MPComp	1402	K. Guravaiah
32.	K.Vyshnavi	III B.Sc.,MPComp	1417	K. Vyshnavi
33.	P.Sameera	III B.Sc.,MPComp	1408	P. Sameera
34.	A.Ravi Kumar	III B.Sc.,MPComp.,	1409	A. Ravi Kumar
35.	D.Durga Rao	III B.Sc.,MPComp.,	1418	D. Durga Rao
36.	K.John Wesly	III B.Sc.,MPComp.,	1423	K. John wesly
37.	M.Gopi Chand	III B.Sc.,MPComp.,	1424	M. Gopi Chand
38.	V.Pushparajy	III B.Sc.,MPComp.,	1425	V. Pushparajy
39.	D.Harshini	III B.Sc.,MPComp.,	1410	D. Harshini
40.	V.Mahesh Babu	III B.Sc.,MPComp.,	1419	V. mahesh babu
41.	G.Srinu	III B.Sc.,MPComp.,	1420	G. Srinu
38.	Y.Prem Kumar	III B.Sc.,MPC	625	Y. Prem Kumar
42.	R.Sai Kumar	III B.Sc.,MPC	626	R. Sai Kumar
43.	V.Ganesh	III B.Sc.,MPC	627	V. Ganesh