Andhra Christian College, Guntur

(Day, Evening & P.G.)

NOTICE

Date: 24-07-2021

All B.A., B. Sc., and B. Com. students are hereby informed to attend a seminar on "History of Mathematics" to be conducted on 26-07-2021. Mrs. K. Ruth, Former Head, Department of Mathematics of our college will be the Resource Person for this seminar.

Head

Department of Mathematics

HEAD
Department of Mathematics
Andhra Christian College, GUNTUR

Principal

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(Day, Evening & P.G)
GUNTUR

Copy to:

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2. The Office Manager

Andhra Christian College::Guntur

Department of Mathematics

<u>Seminar on History of Mathematics</u>

Seminar Report:

Title: History of Mathematics: Evolution of Mathematical Thought, Contributions of Great Mathematicians, and Historical Context

Date: 26-07-2021

Organized by: Department of Mathematics, Andhra Christian College, Guntur

Resource Person: Mrs. K. Ruth, Former Head, Department of Mathematics, Andhra Christian College, Guntur

Introduction

The Department of Mathematics at Andhra Christian College, Guntur, organized an enlightening seminar on the "History of Mathematics: Evolution of Mathematical Thought, Contributions of Great Mathematicians, and Historical Context" on July 26, 2021. The seminar was graced by Mrs. K. Ruth, Former Head of the Department of Mathematics at Andhra Christian College, who served as the resource person for the event.

Objectives

The seminar aimed to:

1. Provide an overview of the historical development of Mathematics.
2. Highlight the contributions of eminent mathematicians through different eras.
3. Explore the context in which mathematical ideas evolved and their impact on modern Mathematics.

Key Highlights

1. Evolution of Mathematical Thought: Mrs. K. Ruth began the seminar with a comprehensive overview of the evolution of mathematical thought from ancient to modern times. Key points included:

- **Ancient Civilizations:** Contributions from Babylonian, Egyptian, and Greek mathematicians, emphasizing their early work in arithmetic, geometry, and algebra.
- **Medieval Period:** Developments in Mathematics during the Islamic Golden Age, with significant contributions from mathematicians like Al-Khwarizmi, who introduced the concept of algebra.
- **Renaissance and Enlightenment:** The revival of mathematical studies in Europe, highlighting the work of mathematicians like Descartes, Newton, and Leibniz, who laid the foundations for calculus and analytical geometry.

- **Modern Era:** The advancement of Mathematics in the 19th and 20th centuries, with the emergence of new fields such as abstract algebra, topology, and mathematical logic.

2. Contributions of Great Mathematicians: The seminar shed light on the life and work of several great mathematicians, including:

- **Euclid:** Known as the "Father of Geometry," his work 'Elements' has been a cornerstone in the study of geometry.
- **Archimedes:** Renowned for his contributions to geometry, calculus, and fluid mechanics.
- **Isaac Newton and Gottfried Wilhelm Leibniz:** Independently developed the fundamental principles of calculus.
- **Carl Friedrich Gauss:** Made significant contributions to number theory, algebra, statistics, and analysis.
- **Emmy Noether:** Recognized for her ground breaking work in abstract algebra and theoretical physics.
- **Alan Turing:** A pioneer in computer science and artificial intelligence, known for the Turing machine and his work on the foundations of computer algorithms.

3. Historical Context: Mrs. Ruth provided an insightful context for the development of mathematical ideas, discussing:

- The socio-political and cultural environments that influenced mathematical discoveries.
- The role of academic institutions and societies in the dissemination and advancement of mathematical knowledge.
- The impact of technological advancements, such as the invention of the printing press, on the spread of mathematical ideas.

Conclusion

The seminar was a resounding success, providing students and faculty with a profound understanding of the historical trajectory of Mathematics and the enduring legacy of its great contributors. Mrs. K. Ruth's engaging presentation and deep knowledge of the subject matter were highly appreciated by all attendees. The seminar concluded with a lively Q&A session, where participants had the opportunity to delve deeper into specific topics of interest.

Acknowledgments

The Department of Mathematics at Andhra Christian College, Guntur, extends its gratitude to Mrs. K. Ruth for her invaluable contribution as the resource person. Special thanks are also due to the organizing committee, faculty members, and students who participated in the seminar, making it a memorable and educational event.

Mrs. K. Ruth with students

Student Attendance

S.NO.	Name of the Student	Roll No	Signature
1.	M.Naga Sri Vaishnavi	601	M. Nagasri vaishnavi
2.	D.Moshe Rani	602	D. moshe Rani
3.	Ch.Mounika	604	ch. mounika.
4.	K.Smily	605	K. smily.
5.	V.Rajya Lakshmi	716	V. Rajya lakshmi.
6.	B.Suvarna	1402	B. suvarna.
7.	P.Sameera	1408	P. Sameera
8.	D.Harshini	1410	D. HARSHINI
9.	K.Devi Harshini	1416	k.Devi Harshini
10.	M.Suresh	607	M. Suresh
11.	S.Charles	608	S.Charles
12.	P.Bala Kalyan	609	P. Bala Kalyan
13.	K.Pawan Chand	610	k. pawon chand.
14.	S.Siddu	611	S. Sidh
15.	J.Immanial Raju	612	J. Immanial Raju
16.	M.Ratna Babu	615	M. Ratna R
17.	P.Venkata Rao	616	P. Venkata Rao.
18.	T.Anand	1401	T. Anand
19.	K.Ashok	1404	K. Ashok.
20.	P.Syam	1405	P. SYAM
21.	B.Ratnakar	1407	B. RATNAKAR
22.	R.KiranGopi	1408	R. Kiran Gopi

Dr. B. VIJAYA KUMAR
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