

Andhra Christian College::Guntur

Department of Chemistry

Seminar on Polymers

Name of the Activity: Seminar on Polymers in the department of Chemistry.

Date: 05-04-2022

Objectives:

1. To develop intellectual breadth and depth in polymer science and engineering and to have specialized training for career in teaching, research and industry.
2. To educate the graduate students with a strong background of polymer science and technology so that they will fulfil the needs and expectations of scientific and industrial communities.
3. To acquire up-to-date knowledge and skills for professional success with ethical standards.

Report:

Department of Chemistry conducted a Seminar on Polymers for which the Resource Person was Mrs. Y. Chandra Rekha, HOD of Chemistry, B.H.H. Degree College for women, Guntur. She delivered an extensive talk on Polymers and their applications in various fields. 25 students attended the seminar and interacted with the resource person with curiosity and enthusiasm. This programme was very informative and beneficial to the students.

Key Points:

Polymer is a class of synthetic and natural materials collected of very huge molecules, called macromolecules, that are multiples of simpler chemical units known as monomers. Polymers make up numerous things in living organisms, such as, for instance, nucleic acids, proteins, and cellulose.

Polymer science and engineering is a multifaceted field that plays a crucial role in various industries, such as packaging, automotive, textiles and biomedicine. It involves studying and manipulating polymers, which are long chain molecules made up of repeating units.

The recent developments of polymer technology have revolutionized the field of material science increasing the use of polymer-based substances from building materials to packing materials, electrical engineering, communications, automobiles, aircrafts etc.

Polymers help us to save energy with lighter vehicles and insulated buildings, package consumable goods; reduce land use and fertilizers and save lives by way of countless medical applications.

They are also much lighter than metal parts, making transportation easier and less expensive. Plastic parts also cause less friction and wear on equipment and machinery than metal does, lowering the risk of damage and the need for constant maintenance or replacement.

Product made from polymers are all around us: clothing made from synthetic fibers, polyethylene cups, fiberglass, nylon bearings, plastic bags, polymer-based paints, epoxy glue, polyurethane foam cushion, silicone heart valves, and Teflon-coated cookware. The list is almost endless.

Furthermore, they create the basis of these minerals as feldspar, diamond, and quartz and man-made materials like glass, concrete, plastics, paper, and rubber.

Uses of polymers

Polymers are utilized in nearly every extent of modern living. Soda and water bottles, grocery bags, phones, textile fibres, food packaging, computers, auto parts, and toys all contain polymers.

Even more-urban technology utilizes polymers. For instance, the membranes for water purification, carriers utilized in controlled drug release and biopolymers for tissue manufacturing all utilize polymers.

Polymers for automotive applications

Automotive polymers are utilized in an extensive variety of automotive parts. High-performance thermoplastic elastomers and also liquid rubbers are found in tires, exterior and interior parts, and engine mechanisms. Their dependable functionality, durability, lightweight, and wear resistance lessen releases and supports in making driving safer and more convenient

Hence, the growing demand for the polymer in several end-use industries, including electronics, packaging, and automotive plastics are those polymers that are extensively utilized in several industries, credited to their qualities, like strength, lightweight, flexibility, transparency, and low cost, such major factors are propelling Polymer industry.

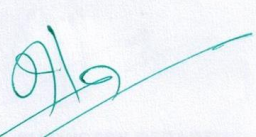
Acknowledgements:

The department is thankful to the Principal, Dr. K. Moses for giving permission and support for conducting the programme. The department is also thankful to the Resource person, Mrs. Y. Chandra Rekha for successful conduction of the seminar. Special appreciation to all the faculty of the department and students participated.



STUDENTS ATTENDED THE POLYMERS SEMINAR

S.No.	Class No.	Name of the student	Signature of the student
Y ₁₉			
1	601	M. Naga Srivaishnavi	M. Naga Srivaishnavi
2	602	D. Mosha Rani	D. Mosha Rani
3	604	Ch. Mounika	Ch. Mounika.
4	605	K. Smiley	K. Smiley
5	610	K. Pawan chand	K. Pawan chand
6	612	J. Emmanuel Raj	J. Emmanuel Raj
7	613	S. Isaiah	S. Isaiah
8	615	M. Ratna Babu	M. Ratna Babu
9	622	T. Bhagya Raj	T. Bhagya Raj
10	626	T. Siva Purva Chandra	T. Siva Purva Chandra
11	903	M. Hema Latha	M. Hema Latha
12	912	S. Vinay Kumar	S. Vinay Kumar
13	913	C. Issac Abraham	C. Issac Abraham
14	915	P. Srikanth	P. Srikanth.
15	918	P. Yesu Das	P. Yesu Das
16	921	V. Vamsi	V. Vamsi
17	922	V. Dileep Kumar	V. Dileep Kumar
18	924	Ch. Naga Raju	Ch. Naga Raju
19	925	S. Prasheela	S. Prasheela
20	930	D. Ramya	D. Ramya


 HEAD, CHEMISTRY DEPARTMENT
 A.C. COLLEGE, GUNTUR.

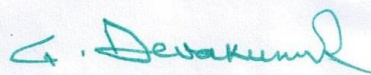
ANDHRA CHRISTIAN COLLEGE, GUNTUR
(Day, Evening and PG)

NOTICE

Date: 04-12-2018

This is to inform you that there will be a workshop on "SOIL ANALYSIS" conducted by Chemistry Department on 05-12-2018 at 11.00 AM, in room no. 63.

All the students are requested 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.

Andhra Christian College, Guntur

Department of Commerce

A GUEST LECTURE WAS DELIVERED BY **Smt. M. Anjana Devi, St. Ann's College, Gorantla, Guntur.**

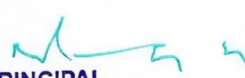
Topic: FUNCTIONS OF COMMERCIAL BANKS

Date: 04-04-2022

Time: 4:00 P.M.

Venue: Department of commerce




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Department of Botany

Seminar Report

Title: Applications of Biotechnology in Agriculture

Date and Time: 05-03-2022 at 3:00 p.m.

Venue: Department of Botany, Andhra Christian College, Guntur

Organized by: Department of Botany

Participants: Students of Sr. Inter, B.Sc., and P.G. Botany

Resource Person:

Mrs. B. Jasmine, Lecturer in Botany, Government Degree College for Women, Guntur

Faculty Present:

- Dr. V. Ezra Vijaya Sekhar, Head of the Department of Botany
 - Mr. M. R. P. Satyakeerthi
 - Mr. T. D. Raja Sekhar
 - Dr. D. Phebe Sarah
 - Mrs. G. Venkata Lakshmi
-

Objectives of the Seminar

1. **Understanding Biotechnology in Agriculture:**
 - To provide an overview of biotechnology and its fundamental principles.
 - To explain how biotechnology is applied in the agricultural sector.
2. **Highlighting Biotechnological Techniques and Innovations:**
 - To discuss various biotechnological techniques such as genetic engineering, tissue culture, and molecular markers.
 - To explore recent innovations and developments in agricultural biotechnology.
3. **Emphasizing the Benefits and Challenges:**
 - To identify the advantages of using biotechnology in agriculture, including increased crop yield, pest resistance, and improved nutritional content.
 - To address the potential challenges and ethical considerations related to biotechnology in agriculture.
4. **Promoting Scientific Inquiry and Research:**

- To encourage students to pursue further studies and research in the field of biotechnology.
 - To highlight the potential career opportunities available in agricultural biotechnology.
-

Summary of the Seminar

The seminar commenced with a welcome address by Dr. V. Ezra Vijaya Sekhar, Head of the Department of Botany. He underscored the significance of biotechnology in modern agriculture and introduced the esteemed resource person, Mrs. B. Jasmine, Lecturer in Botany from Government Degree College for Women, Guntur.

Mrs. Jasmine began her presentation by defining biotechnology and its relevance in agriculture. She explained the basic concepts and techniques involved in agricultural biotechnology, including genetic modification, tissue culture, and the use of molecular markers for crop improvement.

She delved into specific applications of biotechnology in agriculture, such as:

- **Genetically Modified Organisms (GMOs):**
 - The development of genetically modified crops that are resistant to pests, diseases, and environmental stresses.
 - Examples of GMOs such as Bt cotton, Golden Rice, and herbicide-resistant soybeans.
- **Tissue Culture:**
 - The use of tissue culture techniques for the propagation of disease-free and high-yielding plants.
 - The role of tissue culture in the rapid multiplication of plants and conservation of endangered species.
- **Molecular Markers:**
 - The application of molecular markers in plant breeding to select for desirable traits with greater precision.
 - The use of marker-assisted selection (MAS) to accelerate the development of new crop varieties.

Mrs. Jasmine also highlighted the benefits of biotechnological advancements in agriculture, such as improved crop productivity, enhanced nutritional quality, and reduced reliance on chemical pesticides. She emphasized the potential of biotechnology to address global food security challenges and contribute to sustainable agricultural practices.

In addition, she discussed the challenges and ethical considerations associated with agricultural biotechnology. These included concerns about the safety of GMOs, potential environmental impacts, and the need for stringent regulatory frameworks to ensure the responsible use of biotechnological innovations.

Outcomes of the Seminar

1. Enhanced Understanding:

- Students gained a comprehensive understanding of the principles and applications of biotechnology in agriculture.
- They learned about the various techniques and innovations driving advancements in agricultural biotechnology.

2. Awareness of Benefits and Challenges:

- The seminar provided insights into the significant benefits of biotechnology in improving crop yield, nutritional quality, and pest resistance.
- Students were made aware of the challenges and ethical considerations that need to be addressed to ensure the safe and sustainable use of biotechnology.

3. Inspiration for Further Study:

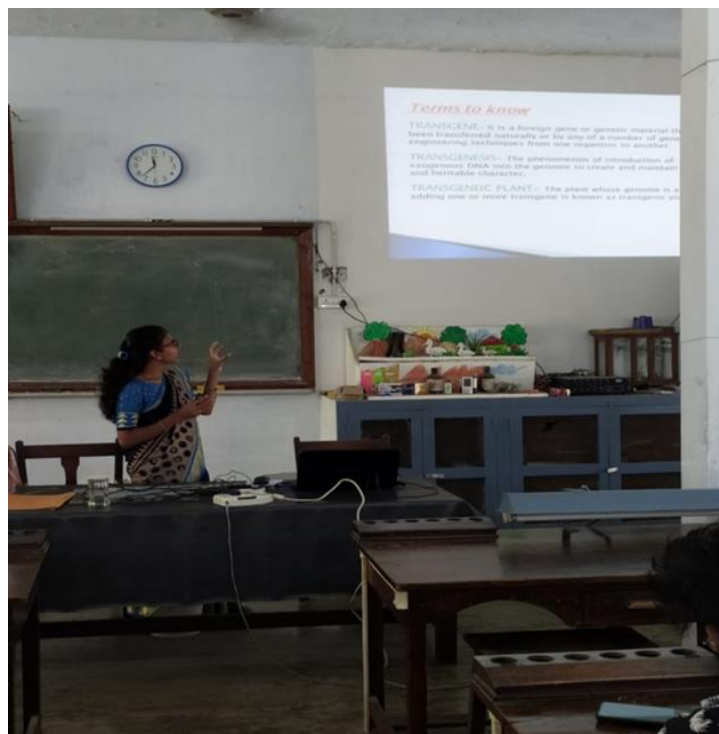
- The seminar inspired students to explore further studies and research opportunities in the field of biotechnology.
- It highlighted the potential career paths available in agricultural biotechnology, encouraging students to consider this field for their future endeavors.

4. Practical Knowledge:

- Students acquired practical knowledge about the real-world applications of biotechnology in agriculture.
- They gained an appreciation for the role of biotechnology in addressing global agricultural challenges and promoting food security.

The seminar concluded with an interactive Q&A session where students actively participated, asking insightful questions about the applications and implications of biotechnology in agriculture. The resource person, along with the faculty members, provided detailed answers and further insights.

Mr. M. R. P. Satyakeerthi delivered the vote of thanks, expressing gratitude to Mrs. B. Jasmine and the participants for their active engagement and contributions to the seminar. The seminar ended on a positive note, with students leaving with a deeper understanding of the critical role of biotechnology in modern agriculture.



Mrs. Jasmine delivering message



Students attended



Dr.K.Moses, Principal felicitating Mrs.Jasmine

Attendance

Sl. No.	Name of the Student	Class	Signature
1	O. Keesthi	I B.Sc	O. Keesthi
2	N. Sri Kanya	M.Sc I year	N. Sri Kanya
3	P. Shiny	M.Sc I year	P. Shiny
4	V. Smily Sharon	M.Sc I year	V. Smily Sharon
5	Gr. Yesu Babu	M.Sc I year	Gr. Yesu Babu
6	K. Rajesh	Sr. Inter	K. Rajesh
7	P. Venkateswamy	B.Sc I year	P. Venkateswamy
8	R. Gopi	I B.Sc	R. Gopi
9	M. Subhash	I B.Sc	M. Subhash
10	K. Ammu	I B.Sc	K. Ammu
11	A. Rajkirthana	I B.Sc	A. Rajkirthana
12	Gr. Aravind Ratnam	I B.Sc	Gr. Aravind Ratnam
13	T. Vivek	I B.Sc	T. Vivek

14	N. Pravalika	B.Sc	N. Pravalika
15	K. Sandeep	B.Sc	K. Sandeep.
16	K. Kirta Patisandeep	B.Sc	Kirta Patisandeep
17	K. Arjun Rao.	Sr. Inter	K. Arjun Rao.
18	SK. Adil	Sr. Inter	SK. Adil.
19	K. Akash	Sr. Inter	K. Akash.
20	D. Bhavathi	Sr. Inter	D. Bhavathi
21	Ch. Yesu Babu	Sr. Inter	Ch. Yesu Babu
22	George Molloy	Sr. Inter	George Molloy.
23	Ch. Hesanna	Sr. Inter	Ch. Hesanna.



Andhra Christian College, Guntur

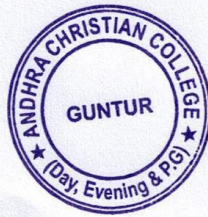
(Day, Evening and PG)

NOTICE

Date: 04-03-2022

This is to inform that there will be a seminar on “**Applications of Biotechnology in Agriculture**” tomorrow, i.e., on 05-03-2022, to be conducted by the department of Botany, at 3.00 PM. Mrs. B. Jasmine, Lecturer in Botany, Government Degree College for Women, Guntur will address the seminar.

All the students of Sr. Inter, B. Sc.(CBZ) and P. G. - Botany are instructed to attend the seminar without fail.



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2. The office manager, Andhra Christian College


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Department of Botany

Seminar Report

Seminar Report on “Types of Pollination, Pollen – Pistil Interaction and Fertilization”

Name of the Activity: Seminar on “Types of Pollination, Pollen – Pistil Interaction and Fertilization”

Date & Time: 18-02-2022, 11 a.m.

Venue: Department of Botany, Andhra Christian College, Guntur

Guest Speaker: Mrs. Uma Devarapalli, Lecturer in Botany, Govt. Degree College for Women, Guntur

Participants: Sr. Inter, I & II B.Sc. students, and PG Botany students and faculty

Faculty Present: Dr. V. Ezra Vijaya Sekhar, Head of the Department of Botany, Mrs. G. Nirmala Kumari, Mr. M. P. Satyakeerthi, Mr. T. D. Raja Sekhar, Dr. D. Phebe Sarah, and Mrs. G. Venkata Lakshmi.

Objectives:

1. To bring awareness among the students about the importance of Pollination in plants.
2. To create awareness of the importance of pollen – pistil interaction for fertilization.

Description of the Event:

As part of the academic curriculum, the Department of Botany organized a seminar on the topic "Types of Pollination, Pollen – Pistil Interaction and Fertilization." The seminar aimed to enhance the students' understanding of essential botanical processes fundamental to plant reproduction and biodiversity.

Guest Speaker:

Mrs. D. Uma, an experienced lecturer in Botany from Govt. Degree College for Women, Guntur, was invited to deliver the lecture. Her expertise in the subject matter provided valuable insights into the intricate mechanisms of pollination and fertilization.

Content of the Lecture:

Mrs. Uma began the seminar by introducing the basic concepts of pollination, discussing its types such as self-pollination and cross-pollination. She elaborated on the adaptive significance of each type and provided examples from different plant species to illustrate these concepts.

The lecture then transitioned into a detailed explanation of pollen-pistil interactions. Mrs. Uma described the processes that occur from pollen deposition on the stigma to the successful fertilization of the ovule. She emphasized the molecular and physiological interactions that facilitate this process, making the content accessible and engaging for the students.

Outcomes:

- **Enhanced Understanding:** The seminar successfully increased the students' knowledge about the different types of pollination and their importance in the plant life cycle. Students gained a deeper appreciation for the complexity and elegance of plant reproductive strategies.
- **Awareness of Biological Interactions:** Students learned about the critical role of pollen-pistil interactions in ensuring successful fertilization. This understanding is crucial for comprehending broader ecological and evolutionary processes.
- **Student Engagement:** The interactive session, where students could ask questions and discuss their thoughts with Mrs. Uma, further enriched their learning experience. The enthusiasm and curiosity displayed by the participants indicated a high level of engagement and interest in the topic.

Conclusion:

The seminar on “Types of Pollination, Pollen – Pistil Interaction and Fertilization” was a highly educational and successful event. The students left with a better understanding of vital botanical concepts and their applications, meeting the seminar’s objectives comprehensively. The faculty's presence and active participation further highlighted the importance of the topic and provided a comprehensive learning environment for the students.





Student Attendance

Mrs. Uma, Govt. college for women, Gundur
on "Types of Pollination, Pollen-Pistil mechanism for fertilization".
Date: 18/02/2022-

Students Attended		
1.	Name of the students	Signature
1.	O. Keerthi	O. Keerthi
2.	N. Sri kavya	N. Sri kavya
3.	P. Shiny	P. Shiny
4.	V. Smily Sharon	V. Smily Sharon
5.	G. Yesu Babu	G. Yesu Babu
6.	R. Rajesh	R. Rajesh
7.	P. Venkateswarthy	P. Venkateswarthy
8.	R. Gopi	R. Gopi
9.	M. Subhesh	M. Subhesh
10.	K. Ammulu	K. Ammulu
11.	A. Rej Keerthana	SK. Adil
12.	G. Aravind Padmam	G. Aravind Padmam
13.	T. Vivek	T. Vivek
14.	H. Praveetha	H. Praveetha
15.	K. Sandeep	K. Sandeep
16.	Kurapati Sandeep	Kurapati Sandeep
17.	G. Arjuna Rao	G. Arjuna Rao
18.	SK. Adil	SK. Adil
19.	R. Akash	D. Bhouthi
20.	D. Bhouthi	K. Akash
21.	Ch. Yesu Babu	Ch. Yesu Babu
22.	George Mollar	George Mollar

Andhra Christian College, Guntur

(Day, Evening and PG)

NOTICE

Date: 17-02-2022

This is to inform that there will be a seminar on “**Types of Pollination, Pollen – Pistil Interaction and Fertilization**” tomorrow, i.e., on 18-02-2022, to be conducted by the department of Botany, at 11 AM. Mrs. Uma Devarapalli, Lecturer in Botany, Government Degree College for Women, Guntur will address the seminar.

All the students of Sr. Inter, I & II B. Sc. are instructed to attend the programme without fail.

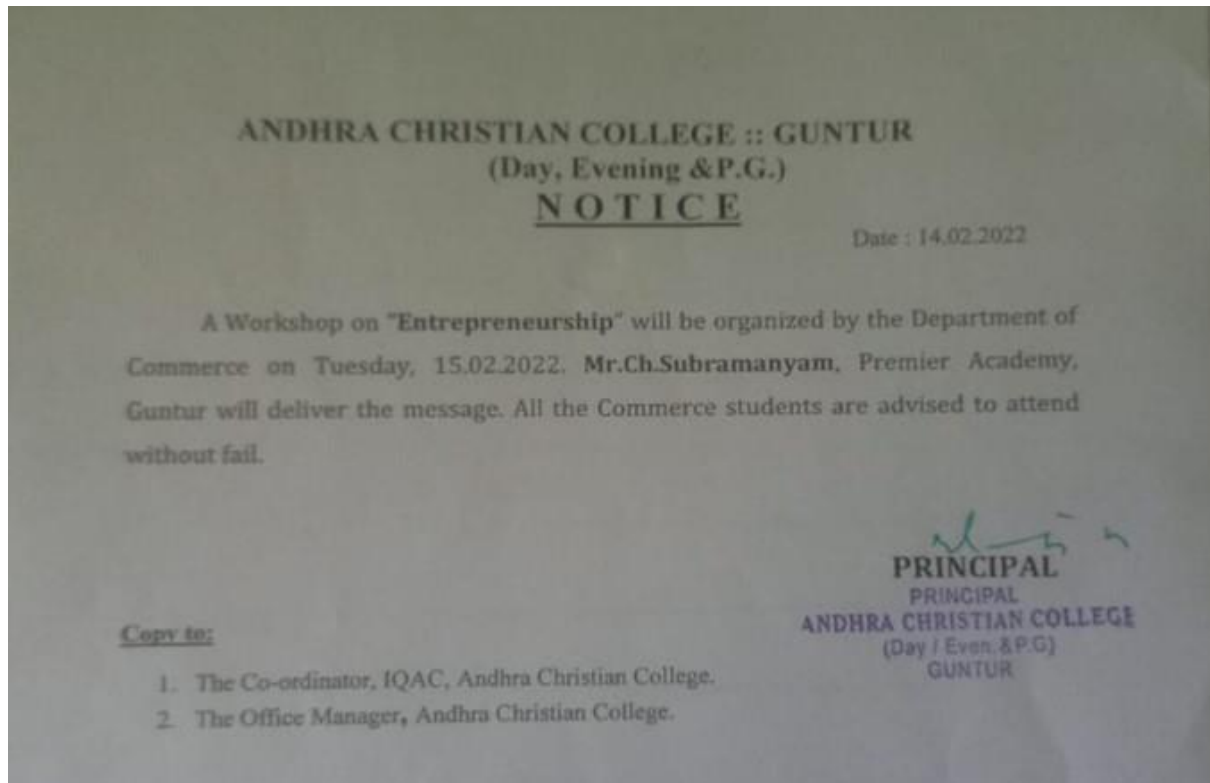


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DEPARTMENT OF COMMERCE
WORKSHOP ON
ENTREPRENEURSHIP



A work shop of Entrepreneurship was organised by the Department of commerce in Room No 3 at A c college, Guntur on 15-02-2022 The Project was conducted by T . Chandra Babu Head of the Department of commerce A.C Colleg, Guntur . Mr.Ch. Subramannyyam, Premier Academy, Guntur is the speaker of the Workshop. The workshop began with the Title "**TURNING IDEAS INTO REALITY, A HANDS ON ENTREPRENEURSHIP WORK SHOP**".

Entrepreneurship is the process of creating, developing and running a new business, typically starting as a small business to offer a product for hire or sale. Entrepreneurs are individuals who identify oppurtunities , take risk, and innovate to establish new ventures .



Mr .Ch. Subramanyam, premier academy, Guntur delivering the message.



key Aspects of Entrepreneurship

1. Identifying Opportunities

- **Market Gaps:** Finding unmet needs or problems in the market.
- **Innovation:** Creating new products, services, or processes.

2. Risk-Taking

- **Financial Risk:** Investing personal savings or securing funding.
- **Market Risk:** Uncertainty about market acceptance.
- **Operational Risk:** Challenges in managing business operations.

3. Business Planning

- **Business Plan:** A detailed plan outlining the business idea, market analysis, financial projections, and operational strategies.
- **Feasibility Analysis:** Assessing the viability of the business idea.

4. Funding

- **Bootstrapping:** Using personal savings to fund the business.
- **Loans:** Borrowing money from banks or other financial institutions.
- **Investors:** Securing funds from angel investors or venture capitalists.
- **Crowd funding:** Raising small amounts of money from a large number of people, typically via the internet.

5. Marketing and Sales

- **Market Research:** Understanding the target market and customer needs.
- **Branding:** Creating a strong brand identity.
- **Sales Strategy:** Developing effective sales tactics to attract and retain customers.

6. Innovation and Development

- **Product Development:** Designing and developing the product or service.
- **Prototyping:** Creating a prototype to test and refine the concept.
- **Iterative Improvement:** Continuously improving the product based on feedback.

7. Management and Leadership

- **Team Building:** Recruiting and managing a capable team.
- **Leadership:** Providing vision, direction, and motivation.
- **Decision-Making:** Making strategic decisions to drive business growth.

8. Operations and Logistics

- **Supply Chain Management:** Ensuring a smooth flow of materials and products.
- **Production:** Efficiently producing goods or services.
- **Quality Control:** Maintaining high standards of quality.

9. Financial Management

- **Budgeting:** Planning and controlling financial resources.
- **Accounting:** Keeping accurate financial records.
- **Profitability Analysis:** Ensuring the business is profitable.

10. Legal and Regulatory Compliance

- **Business Registration:** Legally registering the business.
- **Intellectual Property:** Protecting patents, trademarks, and copyrights.
- **Regulatory Compliance:** Adhering to laws and regulations.

11. Scaling and Growth

- **Expansion Strategies:** Exploring new markets and opportunities.
- **Franchising:** Allowing others to operate under the business's brand.
- **Diversification:** Expanding product or service lines.

12. Exit Strategies

- **Selling the Business:** Transferring ownership to another party.
- **Initial Public Offering (IPO):** Offering shares to the public.
- **Mergers and Acquisitions:** Combining with or acquiring another company.

Successful entrepreneurship requires a combination of creativity, strategic planning, hard work, and resilience. Entrepreneurs often face challenges and setbacks but must remain focused and adaptable to succeed.

The meeting ends with the vote of thanks by T.V. Prakash Babu , Sr .Lecturer in commerce.

Students Attended

NO	NAME OF THE STUDENT	SIGNATURE
1.	B. VENKATESH	B. Venkatesh
2.	R. Gopi Naik	R. Gopinath
3.	M. ANAND KUMAR	M. Anand Kumar
4.	N. HARISH	N. Harish
5.	R. Gopi	R. Gopi
6.	G. ANKAMA RAJU	G. Ankam Raju
7.	P. vijay	P. Vijay
8.	Y. Suman	Y. Suman
9.	N. karthik	N. Karthik
10.	K. Stalin	K. Stalin
11.	P. Santosh	P. Santosh
12.	Shaik. Lala hmad	Sh. Lal Ahmad
13.	R. Murali Mohan	R. Murali Mohan
14.	R. Manoj Kumar	R. Manoj Kumar
15.	T. Uthi	T. Uthi
16.	K. Bhane	K. Bhane
17.	U. Ananda babu	U. Ananda babu

S.No	NAME OF THE STUDENT	SIGNATURE
18	K. Anusha	K. Anusha...
19	Shaik. Suhana	Shaik. Suhana.
20	K. Vyshnavi	K. Vyshnavi
21	V. Vijaya Durga	V. Vijay Durga
22	K. praneetha	K. Praneetha
23	S. Anusha	S. Anusha
24	E. Veronika	<u>E. Veronika</u> ...
25	E. Vikram	E. Vikram
26	K. Rama kali	Rama kali.
27	B. Gopi Krishna	B. Gopi Krishna

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
-

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.
-

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.

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.
-

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

Principal
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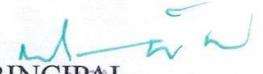
(Day, Evening and PG)

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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Andhra Christian college

(Day, Evening and PG)

NOTICE

Date: 09-12-2021

This is to inform you that there will be a seminar on “**OPTICS(DIFRACTION)**,” tomorrow, i.e., on 10-12-2021 to be conducted by the department of physics, at 11 AM.

Dr. A. Ramesh Babu, Professor Department of Physics, B.E.C Bapatla. Will be address the seminar. All the students of IIB.Sc. are instructed to attend the programme without fail.



Copy to:

1. The coordinator, IQAC, Andhra Christian College
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Department of Physics

Seminar Report on "Optics"

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

Date: 10 – 12 – 2021

Time: 11:00 AM

Venue: Department of Physics, Andhra Christian College, Guntur

Resource Person: Dr. A. Ramesh Babu, Professor of Physics, Bapatla College of Engineering, Bapatla

Participants: B.Sc. students and faculty of the Department of Physics

1. Introduction

The Department of Physics at Andhra Christian College, Guntur, organized a seminar on the topic "Optics" on 10th December 2021. The seminar was designed to provide B.Sc. students with an in-depth understanding of the principles of optics, covering both theoretical concepts and practical applications. The session was led by Dr. A. Ramesh Babu, a distinguished Professor of Physics from Bapatla College of Engineering, Bapatla, who has extensive expertise in the field of optics.

2. Objectives of the Seminar

The primary objectives of the seminar were:

- **To introduce fundamental concepts of optics:** The seminar aimed to explain the basic principles of optics, including the behaviour of light, reflection, refraction, diffraction, and polarization.
- **To explore the mathematical framework of optics:** Participants were introduced to the mathematical models that describe optical phenomena, such as Snell's law, the wave equation, and the principles of interference and diffraction.
- **To discuss the practical applications of optics:** The seminar aimed to demonstrate the practical applications of optics in various fields, including optical instruments, fiber optics, and laser technology.
- **To highlight recent advancements in optical science:** The seminar sought to inform participants about the latest developments and research trends in the field of optics, including advancements in photonics and quantum optics.
- **To inspire academic curiosity and research interest:** The seminar aimed to encourage students to pursue further studies and research in optics, fostering a deeper interest in the subject.

3. Summary of the Seminar

The seminar began with an opening address by Dr. P. Michael Vinaya Teja, Head of the Department of Physics, who welcomed Dr. A. Ramesh Babu and the participants.

Dr. Ramesh Babu commenced the session with a comprehensive overview of the fundamental concepts of optics. He explained the nature of light as both a wave and a particle, emphasizing the dual nature of light and its implications for understanding optical phenomena.

Dr. Ramesh then delved into the core principles of reflection and refraction, discussing Snell's law and its applications in understanding how light behaves at the interface of different media. The seminar also covered the concepts of diffraction and interference, with Dr. Ramesh providing detailed explanations of how these phenomena can be observed and utilized in practical applications.

One of the highlights of the seminar was the discussion on polarization, where Dr. Ramesh Babu explained the significance of polarized light in various optical technologies, including 3D displays and optical communication systems. He also introduced participants to the mathematical framework used to model and predict optical behaviour, which is essential for advanced studies in physics.

In addition to theoretical knowledge, Dr. Ramesh Babu highlighted the practical applications of optics in everyday life and advanced technologies. He discussed the role of optics in the development of optical instruments such as microscopes and telescopes, the importance of fiber optics in telecommunications, and the transformative impact of laser technology across multiple industries.

The seminar concluded with a discussion on recent advancements in optical science, including cutting-edge research in photonics and quantum optics and vote of thanks by Dr. M. Ratna Raju, Senior lecturer. Dr. Ramesh Babu encouraged students to consider optics as a field of research, emphasizing the exciting possibilities and career opportunities available in this area.

Throughout the seminar, students and faculty members engaged actively by asking questions and participating in discussions, which enhanced the interactive nature of the session.

4. Outcomes of the Seminar

The seminar successfully achieved its objectives, leading to the following outcomes:

- **Enhanced understanding of optical principles:** Participants gained a thorough understanding of the basic and advanced concepts of optics, which is crucial for their academic growth and future studies.
- **Improved analytical skills:** The mathematical discussions and problem-solving exercises helped students develop their analytical skills, particularly in applying theoretical models to practical scenarios.
- **Awareness of practical applications:** Students were made aware of the significant role that optics plays in various technologies, which broadened their perspective on the subject's relevance to real-world applications.
- **Increased interest in optics research:** The seminar sparked curiosity among students to explore research opportunities in optics and related fields, potentially leading to academic projects or further studies.

- **Strengthened academic engagement:** The interactive nature of the seminar fostered closer interaction between students, faculty, and the resource person, contributing to a more collaborative academic environment.

5. Conclusion

The seminar on "Optics" organized by the Department of Physics, Andhra Christian College, Guntur, was an informative and engaging event. Dr. A. Ramesh Babu delivered a comprehensive presentation that effectively covered both theoretical and practical aspects of optics. The seminar met its objectives, providing participants with valuable knowledge and insights, and encouraging further academic inquiry into the fascinating field of optics.



Andhra Christian College, Guntur

Department of Physics

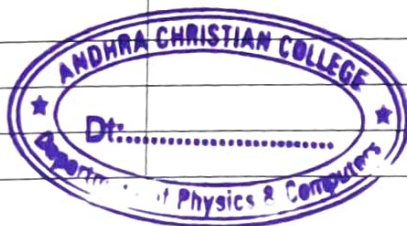
List of Students Attended for SEMINAR CLASS

TOPIC : Diffraction

Date: 10.12.2021

Class: IInd B.Sc

S. No.	Class No	Name of the Students	Signature
1.	601.	B. Shyam Kumar.	B. Shyam Kumar
2.	605.	M. Mahendra Babu.	M. Mahendra Babu
3.	603.	G. Naga Raju	G. Naga Raju
4.	608.	N. Prem Babu.	N. Prem Babu
5.	610.	M. Nageswara Rao	M. Nageswara Rao
6.	614.	B. Vijaya Varma.	B. Vijaya Varma
7.	618.	K. Murali	K. Murali
8.	620.	M. Bharath Naik	M. Bharath Naik
9.	622.	T. Jagadeesh	T. Jagadeesh
10.	623.	K. Chaitanya.	K. Chaitanya
11.	626.	R. Sai Kumar.	R. Sai Kumar
12.	628.	P. Anil.	P. Anil
13.	1401.	P. Thomas.	P. Thomas
14.	1403.	G. Kinsingh	G. Kinsingh
15.	1404.	M. Koteswara Rao	M. Koteswara Rao
16.	1406.	A. Sudhakar	A. Sudhakar
17.	1408.	P. Sameera	P. Sameera
18.	1410.	D. Harshini	Harshini
19.	1412.	B. Yestheru Babu	Yestheru Babu
20.	1415.	N. Maheswar Reddy.	M. Maheswar Reddy.
21.	1417.	K. Vyshanavi	K. Vyshanavi
22.	1418.	D. Durga Rao	D. Durga Rao
23.	1420.	G. Srinu.	G. Srinu
24.	1423.	K. John Wesley.	K. John Wesley
25.	1424.	M. Gopi Chand.	M. Gopi Chand
26.	1425.		
27.			
28.			
29.			
30.			



M. Maheswar Reddy
HOD
Department of Physics
A.C. College, Guntur.

Andhra Christian College::Guntur

Department of Urdu

Seminar Report

Topic: "Shahansha E Ghazal - Meer Taqi Meer"

Date: 15th September 2021

Time: 11:30 a.m.

Venue: Room No. 3

Organized by: Department of Urdu

Resource Person: Mr. Syed Khadar Basha, M.A., B.Ed., (Ph.D.), Lecturer in Urdu, Government Degree College for Women (A), Guntur

Head of the Department: Mr. Sk. Abdullah

Faculty of Other Departments Present:

- Mr. J. Paul Sunil, Head, Dept. of Politics
- Mr. J. Raj Kumar, Head, Dept. of Hindi
- Mr. J. Samuel John, Lecturer in Politics
- Mr. M. Jaya Prasad, Librarian

Attendees: Undergraduate students of Andhra Christian College

Introduction

The Department of Urdu, Andhra Christian College organized a seminar titled "Shahansha E Ghazal - Meer Taqi Meer" on 15th September 2021. The event was part of the department's initiative to deepen students' understanding of classical Urdu poetry, with a particular focus on the ghazals of Meer Taqi Meer, a towering figure in Urdu literature. The seminar was attended by undergraduate students along with faculty members from other departments, reflecting the interdisciplinary interest in Meer's poetic contributions.

Resource Person

The seminar was graced by the esteemed presence of Mr. Syed Khadar Basha, an accomplished scholar and lecturer in Urdu at the Government Degree College for Women (A), Guntur. With his extensive knowledge and passion for Urdu literature, Mr. Basha was an ideal choice to speak on the life and works of Meer Taqi Meer.

Seminar Proceedings

The session commenced with a brief introduction by Mr. Sk. Abdullah, Head of the Department of Urdu, who highlighted the significance of Meer Taqi Meer's poetry in the broader context of Urdu literature. He emphasized that understanding Meer's work is crucial for any serious student of Urdu due to the depth and emotion embodied in his ghazals.

Mr. Syed Khadar Basha then took the floor, delivering an insightful lecture on the theme of the seminar. He began by providing a biographical sketch of Meer Taqi Meer, describing his early life, his challenges, and how these experiences shaped his poetic voice. Meer, often regarded as the "Shahansha E Ghazal" (Emperor of Ghazals), was known for his profound expression of human emotions, especially sorrow and longing, which resonated deeply with the audience.

Focus on Meer Taqi Meer's Ghazals

The core of Mr. Basha's lecture revolved around the thematic richness of Meer's ghazals. He explained how Meer's poetry reflects the cultural and socio-political milieu of 18th-century India. His ghazals, characterized by their simplicity, depth, and musicality, often explore themes of love, loss, and the transience of life. Mr. Basha recited several of Meer's famous couplets, illustrating how the poet masterfully uses imagery and metaphors to convey complex emotions in a few words.

One of the highlights of the seminar was Mr. Basha's interpretation of Meer's use of "Ishq" (love) as a metaphor for both divine and earthly love. He emphasized that Meer's exploration of love goes beyond the personal to the universal, making his work timeless. The recitation of selected ghazals left a lasting impression on the attendees, many of whom expressed a newfound appreciation for Urdu poetry.

Interaction and Discussion

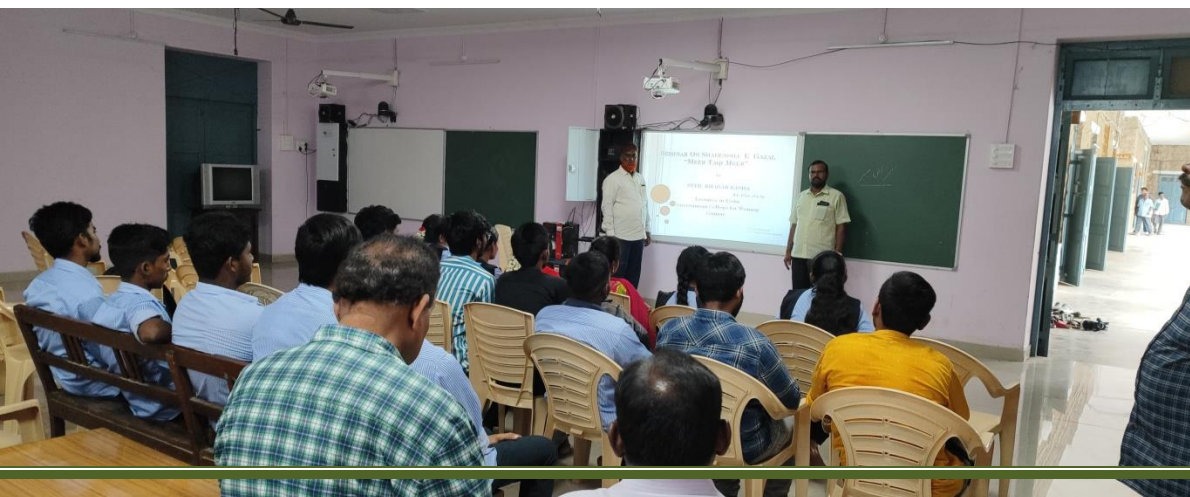
Following the lecture, the floor was opened for an interactive session where students and faculty engaged with Mr. Basha in a lively discussion. Questions ranged from the technical aspects of ghazal writing to the relevance of Meer's poetry in contemporary times. Mr. Basha's responses were both informative and thought-provoking, encouraging students to delve deeper into Urdu literature.

Conclusion

The seminar concluded with a vote of thanks by Mr. J. Paul Sunil, Head of the Department of Politics, who commended the Department of Urdu for organizing such an enriching event. He acknowledged the importance of understanding classical literature in fostering cultural awareness and intellectual growth among students.

The seminar on "Shahansha E Gazal - Meer Taqi Meer" was a resounding success, leaving students and faculty alike with a deeper appreciation of Meer's contribution to Urdu literature. The event not only highlighted the timeless relevance of Meer's ghazals but also underscored the importance of literary studies in a well-rounded education.





Andhra Christian College, Guntur

Andhra

Department of Urdu

Department of Urdu

Seminar on "Shahenshah E Ghazal - Meer Taqi Meer"

Seminar on

List of Participants

S. No.	Name of the Student	Class	Signature
1	Md. Karishma		karishma
2	Sk. Rizwana		Rizwana
3	S. Hima Harshitha		Himashatha
4	U. Deva Dattu		Deva Dattu
5	P. Afrin		Afrin
6	Sk. Nafeesa		Nafeesa
7	D. Siva Naik		Siva Naik
8	Sk. Sanaullah		Sk. Sanaullah
9	G. Bharath Reddy		G. Bharath Reddy
10	I. Lavakusa Reddy		Lavakusa Reddy
11	M. Gopi Chand		Gopichand

SHAIK. ABDULLAH
HEAD OF THE DEPT. OF URDU
ANDHRA CHRISTIAN COLLEGE
GUNTUR.

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(Day, Evening and PG)

NOTICE

Date: 14-09-2021

This is to inform that there will be a seminar on "**Shahansha E Ghazal - Meer Taqi Meer**" tomorrow, i.e., on 15-09-2021 in Room No. 3 at 11.30 a.m., to be conducted by the department of Urdu. Mr. Syed Khadar Basha, Lecturer in Urdu, Government Degree College for Women, Guntur will address the seminar.

All the Urdu Second Language students of U. G. Courses are instructed to attend the programme without fail.


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2. The office manager, Andhra Christian College



Andhra Christian College::Guntur

Department of Botany

Seminar Report on “Hydroponic System”

Date: 03-09-2021

Time: 3:00 p.m.

Venue: Department of Botany, Andhra Christian College, Guntur

Participants: Sr. Inter, B.Sc. students, PG Botany students, and faculty

Guest Speaker: Dr. R. Prasanthi Kumari, Lecturer, P.G. Botany, A. C. College, Guntur

Teaching Staff Present:

- Dr. V. Ezra Vijaya Sekhar, Head of the Department of Botany
- Mrs. G. Nirmala Kumari, Senior Lecturer
- Other faculty members of the Department of Botany

Objectives of the Seminar:

1. **Introduction to Hydroponics:** To educate students about the basics of hydroponics and how it differs from traditional soil-based agriculture.
2. **Applications in Agriculture:** To explore the various applications of hydroponics in modern agriculture, including its benefits and challenges.
3. **Practical Knowledge:** To provide insights into the practical aspects of setting up and managing a hydroponic system.
4. **Innovation and Sustainability:** To discuss the role of hydroponics in promoting sustainable agricultural practices and innovation.

Seminar Proceedings:

The seminar began with an introduction by Dr. V. Ezra Vijaya Sekhar, Head of the Department of Botany, who welcomed the Resource person, Dr. R. Prasanthi Kumari, and the participants. He highlighted the importance of hydroponics as a modern agricultural technique that has the potential to address various challenges in food production.

Key Points from Dr. R. Prasanthi Kumari's Presentation:

1. **Understanding Hydroponics:**
Definition and history of hydroponics.
The basic principles of growing plants without soil using nutrient-rich water solutions.
2. **Types of Hydroponic Systems:**
An overview of different hydroponic systems, including nutrient film technique (NFT), deep water culture (DWC), aeroponics, and drip systems.
Advantages and disadvantages of each system.

3. **Benefits of Hydroponics:**

Efficient use of water and nutrients.
Faster plant growth and higher yields.
Reduced need for pesticides and herbicides.
Ability to grow plants in areas with poor soil quality or limited space.

4. **Challenges and Solutions:**

Potential issues such as disease management, nutrient imbalances, and system maintenance.
Solutions to overcome these challenges and optimize hydroponic systems.

5. **Applications in Agriculture:**

Case studies of successful hydroponic farms and urban agriculture projects.
The potential of hydroponics in addressing food security and promoting sustainable agriculture.

6. **Practical Demonstration:**

A live demonstration of a small-scale hydroponic setup.
Step-by-step guidance on how to set up and maintain a hydroponic system, including the preparation of nutrient solutions and monitoring of plant health.

Interactive Session:

After the presentation, an interactive session was held where students asked questions and engaged in discussions with Dr. Prasanthi Kumari. Topics covered included the cost-effectiveness of hydroponic systems, the types of crops best suited for hydroponics, and future trends in hydroponic technology.

Outcomes of the Seminar:

1. **Enhanced Knowledge:** Students gained a comprehensive understanding of hydroponics and its potential applications in agriculture.
2. **Practical Skills:** Participants acquired practical knowledge on setting up and managing hydroponic systems.
3. **Sustainable Practices:** The seminar emphasized the importance of sustainable agricultural practices and encouraged students to explore innovative solutions for food production.
4. **Research and Innovation:** The session inspired students to consider hydroponics as a field of study and research, promoting innovation in agricultural practices.

The seminar concluded with a vote of thanks by Mrs. G. Nirmala Kumari, who expressed gratitude to the Resource person, faculty members, and students for their active participation. The event was followed by an informal interaction session over refreshments, providing an opportunity for further discussion and networking.



List of Participants

S.No	Name of the Student	Class	Signature
1.	K. Arjun Rao	Tr. Inter	K. Arjun Rao
2.	Se. Adil	Tr. Inter	Se. Adil
3.	K. Akash	Tr. Inter	K. Akash
4.	Geroge mullar	Tr. Inter	Geroge mullar
5.	Ch. Yesubabu	Tr. Inter	Ch. Yesubabu
6.	Z. Gurappadu	II BSc	Z. Gurappadu
7.	D. Sudheer	II BSc	D. Sudheer
8.	R. Gopi	I BSc	R. Gopi
9.	M. Subhash	I BSc	M. Subhash
10.	G. Aravind Kumar	I BSc	G. Aravind
11.	T. Vinob	I BSc	T. Vinob
12.	K. Sandeep	I BSc	K. Sandeep
13.	K. Kirupati Sandeep	II B.Sc	K. Kirupati Sandeep
14.	K. Ammala	I BSc	K. Ammala
15.	N. pravallika	II BSc	N. pravallika
16.	A. Raj Keerthana	I BSc	A. Raj Keerthana
17.	N. Sri Kanya	M.Sc. I year	N. Sri Kanya
18.	P. Shiny	M.Sc. I year	P. Shiny
19.	V. Zenaly Pharon	M.Sc. I year	V. Zenaly Pharon
20.	P. Venkateswarulu	I BSc	P. Venkateswarulu
21.	S. Hozanna	Tr. Inter	S. Hozanna
22.	O. Keerthi	I BSc	O. Keerthi
23.	G. Yesubabu	M.Sc. I year	G. Yesubabu

Andhra Christian College, Guntur

(Day, Evening and PG)

NOTICE

Date: 02-09-2021

This is to inform that there will be a seminar on “Hydroponic System” tomorrow, i.e., on 03-09-2021 at 3.00 p.m., to be conducted by the department of Botany. Dr. R. Prasanthi Kumari, Lecturer, Department of Botany (P.G.) of our college will address the seminar.

All the students of Sr. Inter, B. Sc.(CBZ) and Botany (P. G.) are instructed to attend the seminar without fail.



T. Anil Kumar

PRINCIPAL

Copy to:

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

Andhra Christian College::Guntur

Department of Economics

Seminar Report on "Social Development Programmes in Andhra Pradesh"

Event Details:

- **Topic:** Social Development Programmes in Andhra Pradesh
- **Date:** 03 – 09 – 2021
- **Time:** 4:00 p.m.
- **Venue:** Department of Economics, A.C. College, Guntur
- **Target Audience:** B.A. Students
- **Organized by:** Department of Economics, A.C. College, Guntur
- **Head of Department:** Dr. A. J. Bhagyalatha
- **Senior Lecturer:** Dr. N. Martha Mrudula
- **Resource Person:** Mrs. Sk. Haseena, Lecturer in Economics, Hindu College, Guntur

1. Objectives of the Seminar:

The seminar aimed to achieve the following objectives:

1. **To Educate Students on Social Development Initiatives:**

The primary objective was to provide B.A. students with a comprehensive understanding of the various social development programmes implemented by the Government of Andhra Pradesh. These include schemes focused on poverty alleviation, women empowerment, education, health, and rural development.

2. **To Analyse the Impact of Social Development Programmes:**

The seminar sought to analyse the effectiveness and impact of these programmes on the socio-economic development of the state, with a particular focus on marginalized and disadvantaged communities.

3. **To Encourage Critical Thinking and Engagement:**

The seminar aimed to encourage students to critically engage with the policies and their implementation, fostering a deeper understanding of the challenges and successes of social development in the state.

4. **To Enhance Awareness of Policy Implementation:**

Another key objective was to increase awareness among students regarding the policy framework, governance mechanisms, and the role of local government in executing social development programmes.

2. Proceedings of the Seminar:

- **Opening Remarks:**

The seminar commenced with a welcome address by Dr. A. J. Bhagyalatha, Head of the Department of Economics. She highlighted the importance of understanding social development programmes as essential for aspiring economists and policy makers.

- **Introduction of Resource Person:**

Dr. N. Martha Mrudula introduced the resource person, Mrs. Sk. Haseena, emphasizing her expertise in economic development and her significant contributions to the academic field.

- **Presentation by the Resource Person:**

Mrs. Sk. Haseena delivered an insightful presentation on the various social development programmes in Andhra Pradesh. She provided a detailed overview of flagship programmes like the YSR Pension Kanuka, Amma Vodi, and Navaratnalu schemes. She explained the objectives, eligibility criteria, and the distribution mechanisms of these schemes, supported by statistical data and case studies.

- **Interactive Session:**

Following the presentation, students engaged in an interactive session with the resource person. They raised questions about the challenges in the implementation of these programmes and discussed potential improvements. Mrs. Haseena addressed these queries and provided in-depth explanations.

- **Conclusion:**

The seminar concluded with closing remarks from Dr. N. Martha Mrudula. She appreciated the resource person for her comprehensive presentation and encouraged students to continue exploring the field of social development economics.

3. Outcomes of the Seminar:

The seminar successfully achieved its objectives, resulting in the following outcomes:

1. **Enhanced Knowledge:**

Students gained a thorough understanding of the social development programmes in Andhra Pradesh, including their design, objectives, and impact on the state's population.

2. **Critical Analysis Skills:**

Participants developed the ability to critically analyze government policies and their implementation, which is essential for their future roles as economists or policy advisors.

3. **Increased Awareness:**

The seminar increased awareness among students about the importance of social development and the role of government in promoting equitable growth.

4. **Engaged Participation:**

The interactive session fostered active participation and engagement among students, leading to a deeper interest in social and economic issues.

5. **Future Research Ideas:**

The seminar sparked interest among students in pursuing research on related topics, such as the effectiveness of specific social programmes or comparative studies of development initiatives across different states.





<u>Class.No</u>	<u>Names</u>	<u>2021-2022</u>	<u>III BA Students.</u>
101.	M. Rani Aiswarya		M. Rani Aiswarya
102.	N. Padma Bai		N. padma Bai
104.	SK. Sajida		SK. Sajida
105.	D. Sindure		D. Sindure
123.	K. Sravanthi		K. Sravanthi
141.	N. Hemalatha		N. Hemalatha
142.	K. Bhargavi		K. Bhargavi
145.	K. Haru Priya.		



T. Anita Susan
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NOTICE

Date: 02-09-2021

This is to inform that there will be a seminar on "**Social Development Programmes in Andhra Pradesh**" tomorrow, i.e., on 03-09-2021 in the department of Economics at 04.00 p.m. Mrs. Sk. Haseena, Lecturer in Economics, Hindu College, Guntur will address the seminar.

All the B.A students of U. G. Courses are instructed to attend the programme without fail.

T. Aitha Susun

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Andhra Christian College, Guntur

Department of Political Science

Seminar Report on "Indian Parliament"

Date: 03 – 09 – 2021

Time: 11:00 a.m.

Venue: Assembly Hall, Andhra Christian College, Guntur

1. Introduction:

The Department of Political Science, Andhra Christian College, Guntur, organized a seminar on the topic "Indian Parliament" on September 3, 2021. The seminar was attended by students from I, II, and III B.A. classes, faculty members from the Political Science department, and other departments of the college. The resource person for the seminar was Mr. J. Venkateswara Rao, M.A., M. Phil., (Ph.D.), Senior Lecturer in the Department of Political Science, Hindu College, Guntur.

2. Objectives of the Seminar:

- **Educational Enrichment:** To enhance the understanding of the structure, functioning, and significance of the Indian Parliament among the students.
- **Critical Analysis:** To encourage students to critically analyse the role of the Indian Parliament in the democratic process of the country.
- **Awareness Creation:** To create awareness about the legislative processes, the roles of the Lok Sabha and Rajya Sabha, and the importance of parliamentary committees.
- **Student Engagement:** To engage students in discussions on the challenges and opportunities faced by the Indian Parliament in contemporary times.
- **Skill Development:** To develop the analytical and interpretative skills of students regarding the functioning of the legislative bodies in India.

3. Overview of the Seminar:

The seminar began with a welcome address by Mr. J. Paul Sunil, Head of the Department of Political Science. He emphasized the importance of understanding the Indian Parliament as a cornerstone of Indian democracy.

Mr. J. Venkateswara Rao delivered an insightful lecture on the "Indian Parliament," covering its historical evolution, the powers and functions of the Lok Sabha and Rajya Sabha, and the legislative process. He also discussed the role of the Parliament in ensuring checks and balances within the Indian political system.

Throughout the session, Mr. Venkateswara Rao highlighted key issues such as the importance of parliamentary debates, the role of the opposition, and the functioning of parliamentary

committees. He also addressed current challenges faced by the Indian Parliament, including disruptions, declining quality of debates, and the need for reforms to enhance its efficacy.

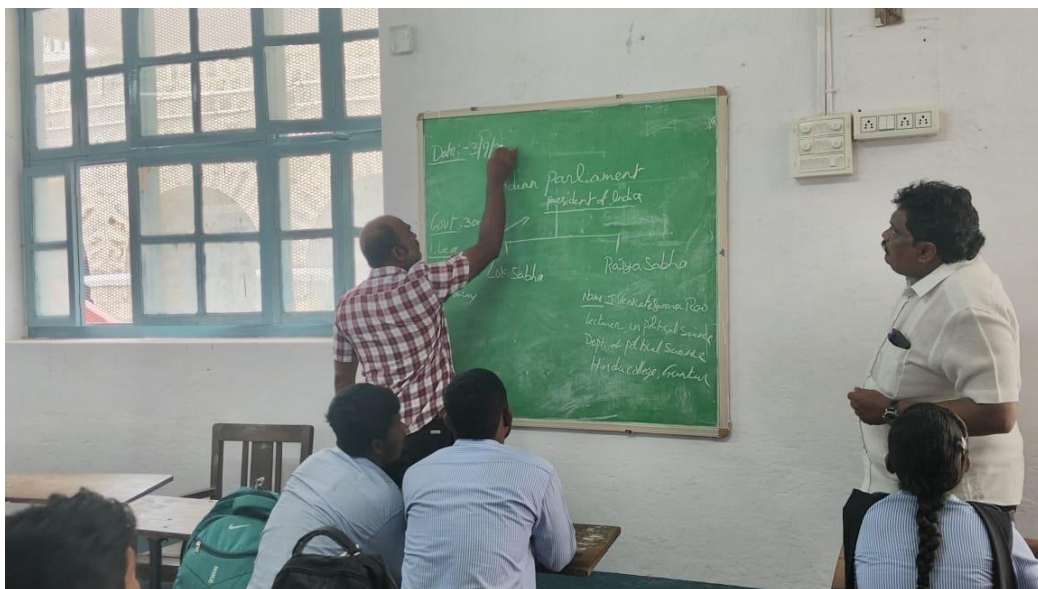
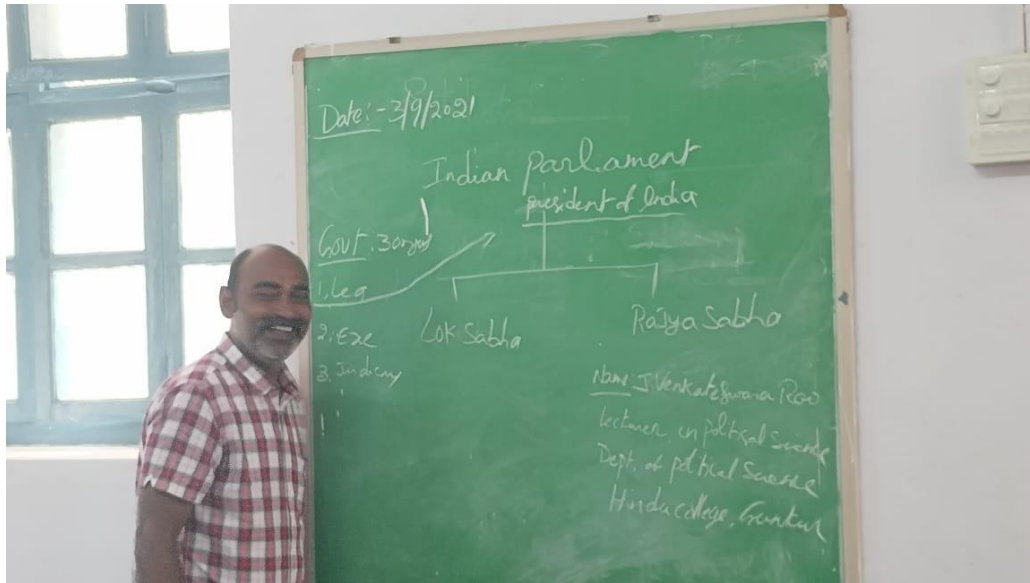
The lecture was followed by an interactive session where students actively participated by asking questions and sharing their perspectives. Mr. Venkateswara Rao provided clarifications and further insights, making the session highly engaging and informative.

4. Outcomes of the Seminar:

- **Enhanced Understanding:** Students gained a comprehensive understanding of the structure and functioning of the Indian Parliament, which is vital for their academic and future professional endeavours.
- **Increased Awareness:** The seminar successfully raised awareness among students about the critical role of the Indian Parliament in maintaining democratic governance in the country.
- **Critical Thinking:** The discussions encouraged students to critically think about the challenges faced by the Indian Parliament and consider potential reforms to improve its effectiveness.
- **Active Engagement:** The interactive session facilitated active student engagement, allowing them to express their views and seek clarification on complex topics.
- **Skill Development:** Students developed analytical skills through the examination of real-world parliamentary issues, enhancing their ability to analyse political processes.

5. Conclusion:

The seminar on "Indian Parliament" was a significant educational event that provided valuable insights into the workings of India's legislative body. The participation of Mr. J. Venkateswara Rao, with his expertise in Political Science, contributed to the success of the seminar. The event concluded with a vote of thanks by Mr. J. Samuel John, Lecturer in the Department of Political Science, who appreciated the resource person, students, and faculty for their active participation and contribution to the seminar.



Andhra Christian College :: Guntur

(Day, Evening & P.G)

Department of Political Science

List of Participants

Seminar on Indian Parliamentary System

Sl. No	Name of the Student	Roll. No.	Signature
1	V. Bobby	4	V. Bobby
2	N. Soma Shaker.	9.	N. Soma Shaker
3	V. Pavan Kalyan.	13.	V. Pavan Kalyan
4	K. Sectharaj.	22.	K. Sectharaj
5	G. Vasu	28	G. Vasu
6	S.K. Hamja	32	S.K. Hamja
7	Ch. Dani	112	Ch. Dani
8	B. Siva Kumari.	124	B. Siva Keshav
9	John Calvin	12	John Calvin
10	S. Yedukondalu	14	S. Yedukondalu
11	M. Prem Sandeep.	20	M. Prem Sandeep
12	D. Vanitha	24	D. Vanitha
13	M. Suman Abraham.	30	D. Vanitha
14	N. Vishal.	36	N. Vishal
15	K. Abhishek.	44	K. Abhishek
16	P. Bharu Prakash.	49	K. Abhishek
17	D. Denny Joy	10	D. Denny
18	K. Srihari Babu	24	K. Srihari Babu
19	G. Surendra	31	G. Surendra
20	S. Chiranjeevi	41	S. Chiranjeevi
21	K. Sasi Kumar	107	K. Sasi Kumar
22	K. Gopi Chand.	111	K. Gopi Chand.
23	J. Guresh	120	J. Guresh
24	J. Kiran	130	J. Kiran

J. PAUL SUNIL

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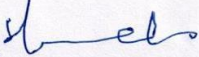
(Day, Evening and PG)

NOTICE

Date: 02-09-2021

This is to inform that there will be a seminar on “**Indian Parliamentary System**” tomorrow, i.e., on 03-09-2021, to be conducted by the department of Political Science, at 11 AM. J. Venkateswara Rao , Department of Political Science, Hindu College, Guntur will address the seminar.

All the students of Sr. Inter, I, II & III B. A. are instructed to attend the programme without fail.


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2. The office manager, Andhra Christian College

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Department of Mathematics

Guest Lecture Report

Topic: Introduction to Sequences

Organized by: Department of Mathematics, A. C. College, Guntur

Date: 04-08-2021

Time: 3:00 p.m.

Resource Person: Mr. R. Swamy, Lecturer in Mathematics, T. J. P. S. College, Guntur

On the 4th of August 2021, the Department of Mathematics, A. C. College, Guntur, organized a guest lecture on the topic "Introduction to Sequences." The event took place at 3:00 p.m. in the Mathematics Department.

Resource Person

The guest speaker for the lecture was Mr. R. Swamy, a distinguished Lecturer in Mathematics from T. J. P. S. College, Guntur. Mr. Swamy is renowned for his expertise in mathematical concepts and his ability to simplify complex topics for better understanding.

Lecture Content

Mr. R. Swamy began the lecture with an introduction to sequences, emphasizing their significance in Mathematics and their applications in various fields. The following key points were covered during the session:

1. **Definition and Types of Sequences:** An introduction to sequences, including arithmetic sequences, geometric sequences, and harmonic sequences. Mr. Swamy provided clear definitions and illustrated each type with examples.

2. **General Form of Sequences:** The lecture included a detailed explanation of the general form of sequences and how to derive the n th term of a sequence. This section was particularly useful for students to understand the foundational concepts.
3. **Convergence and Divergence:** Mr. Swamy elaborated on the concepts of convergent and divergent sequences, explaining the criteria for convergence and providing examples to highlight the differences between the two.
4. **Applications of Sequences:** The practical applications of sequences in various fields such as Physics, Computer Science, and Economics were discussed. This section helped the audience appreciate the relevance of sequences in real-world scenarios.
5. **Problem-Solving Session:** Towards the end of the lecture, Mr. Swamy engaged the audience with a problem-solving session. He presented several problems related to sequences and guided the students through the process of solving them.

Interaction and Feedback

The lecture was highly interactive, with students actively participating and asking questions. Mr. Swamy's approachable demeanour and clear explanations were well-received by the studentse. The faculty members also contributed to the discussion, adding depth to the session with their insights.

Conclusion

Dr. B. Vijaya Kumar concluded the session by thanking Mr. R. Swamy for his enlightening lecture. The students and faculty members expressed their gratitude for the valuable knowledge shared during the session.

Overall, the guest lecture on "Introduction to Sequences" was a resounding success, leaving the students with a deeper understanding of the topic and its applications. The Department of Mathematics at A. C. College, Guntur, looks forward to organizing more such insightful sessions in the future.



**Mr. R. Swamy delivering his guest lecture on the topic
"Introduction to Sequences"**

List of Students

S. No.	Name of the Student	Class & Group	Roll No.	Signature
1	M.RaviTeja	II B. Sc., MPC	603	M. Ravi Teja
2	Sk.Shahina Begum	II B. Sc., MPC	604	Sk. Shahina Begum
3	S.Rani	II B. Sc., MPC	605	S. Rani
4	A.Ravi Teja	II B. Sc., MPC	606	A. Ravi Teja
5	M.Keethi	II B. Sc., MPC	609	M. Keerthi
6	D.Yesu Babu	II B. Sc., MPC	610	D. Yesu Babu
7	E.Srikanth	II B. Sc., MPC	611	E. Srikanth
8	J.Haveela	II B. Sc., MPC	612	J. Haveela
9	P.Madhavi	II B. Sc., MPC	613	p.madhavi
10	K.Sailaja	II B. Sc., MPC	614	K. Sailaja
11	T.Venkata Rao	II B. Sc., MPCComp.	1402	T. Venkata Rao
12	A.Gopi Chand	II B. Sc., MPCComp.	1403	A. Gopi Chand
13	D.Tagore	II B. Sc., MPCComp.	1404	D. Tagore
14	B.Sandhya Rani	II B. Sc., MPCComp.	1405	B. Sandhya Rani
15	R.Pavan Kumar	II B. Sc., MPCComp.	1406	R. paven kumar
16	B.Prabhakar Rao	II B. Sc., MPCComp.	1407	B. Prabhakar Rao
17	Sk.Shabana Parveen	II B. Sc., MPCComp.	1408	Sk. Shabana Parveen
18	M.Prabhu Kiran	II B. Sc., MPCComp.	1409	M. Prabhu Kiran
19	Rafi Baig	II B. Sc., MPCComp.	1410	Rafi Baig
20	B.Priyanka	II B. Sc., MPCComp.	1411	B. Priyanka
21	K.Padmavathi	II B. Sc., MPCComp.	1412	K. Padmavathi

Andhra Christian College, Guntur

(Day, Evening & P.G.)

NOTICE

Date: 03-08-2021

All **B. Sc.**, Mathematics students are hereby informed to attend a Guest Lecture in the department of Mathematics on the topic "Introduction to Sequences" to be conducted on 04-08-2021 at 3.00 p.m.. Mr. R. Swamy, Lecturer in Mathematics, T. J . P. S. College, Guntur will be the Resource Person for this guest lecture.

B. Kumar

03-08-2021

Head

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

Principal

Principal
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Department of Mathematics

Seminar on History of Mathematics

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

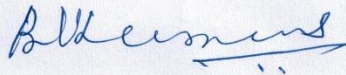
The Department of Mathematics at Andhra Christian College, Guntur, extends its gratitude to Mrs. K. Ruth for her invaluable contribution as the resource person. Special thanks are also due to the organizing committee, faculty members, and students who participated in the seminar, making it a memorable 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. Naga Sri 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. pawan chand.
14.	S.Siddu	611	S. Siddu
15.	J.Immanial Raju	612	J. Immanial Raju
16.	M.Ratna Babu	615	M. Ratna Babu
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 KUMARI
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NOTICE

Date: 24-07-2021

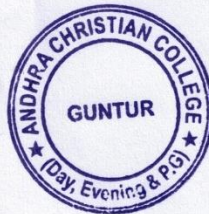
All B.A., B. Sc., and B. Com. students are hereby informed to attend a seminar on "History of Mathematics" to be conducted on 26-07-2021. Mrs. K. Ruth, Former Head, Department of Mathematics of our college will be the Resource Person for this seminar.



Head

Dr. D. V. K. KUMAR
HEAD
Department of Mathematics
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