



BON SECOURS ARTS AND SCIENCE COLLEGE FOR WOMEN

(Affiliated to Mother Teresa Women's University)

Madurai Road, Begambur(P.O), Dindigul - 624 002.

DEPARTMENT OF MATHEMATICS

SEMINAR- REPORT

DATE: 25/08/2026

OBJECTIVE OF THE PROGRAMME:

- To introduce the concepts and scope of complex analysis.
- To strengthen students understanding of complex numbers and complex functions.
- To encourage mathematical thinking and problem solving skills.
- To motivate students to pursue further study and research in mathematics.
- To connect theoretical mathematical concepts with their applications.

REPORT:

The Department of Mathematics, through the Crystal Math Association, organized a seminar entitled “ **A Journey of Complex Analysis**” on 25th August 2026 at 10 a.m. The programme was organized with the objective of providing students with a clear understanding of the fundamental concepts of complex analysis and developing their interest in advanced mathematical studies.

The programme commenced with a prayer song, for the successful conduct of the event. Following the prayer, the Resource Person was honoured with a shawl and memento by the College Secretary and the Principal as a mark of respect and appreciation. The program was organized under the guidance of **Mrs. B.Manohari, Assistant Professor & Head, Department of Mathematics**. The Welcome Address was delivered by Mrs. **S.Rajashyamala, Assistant Professor, Department of Mathematics**. The programme was graced by **Dr. A Gnana Arockiam, Vice Principal and Head of the Department of Mathematics, Anugraha Institute of Social Science, Dindigul**, as the Resource Person. The presence of **Rev.Sr.Dr.Nesa Soundaram, Secretary** and **Dr.S.Gayathri Principal**, added significance to the occasion.

The resource person delivered an informative and engaging presentation on the topic “**A Journey of Complex Analysis**.” The session introduced students to the fundamental ideas of complex numbers and complex functions and gradually progressed to important concepts in Complex Analysis. The **Cauchy-Riemann equations** were explained as an important condition associated with the differentiability of complex functions, highlighting the relationship between the real and imaginary parts of a complex function. **The concept of analytic (holomorphic) functions** was also discussed, with suitable examples, including exponential, trigonometric and rational functions.

The Seminar provided an academic platform for students to gain exposure to the concepts and significance of Complex Analysis. The programme encouraged students to develop mathematical curiosity, analytical thinking and an interest in higher studies in mathematics. The seminar was a valuable academic initiative of the Department of Mathematics and the Crystal Math Association, contributing to the intellectual enrichment of the students.

The vote of thanks was proposed by **Ms.S.Christy Praba, Assistant Professor, Department of Mathematics**. She expressed her sincere gratitude to the management, faculty members and all the students. The programme concluded with the College Anthem, marking the formal end of the event.

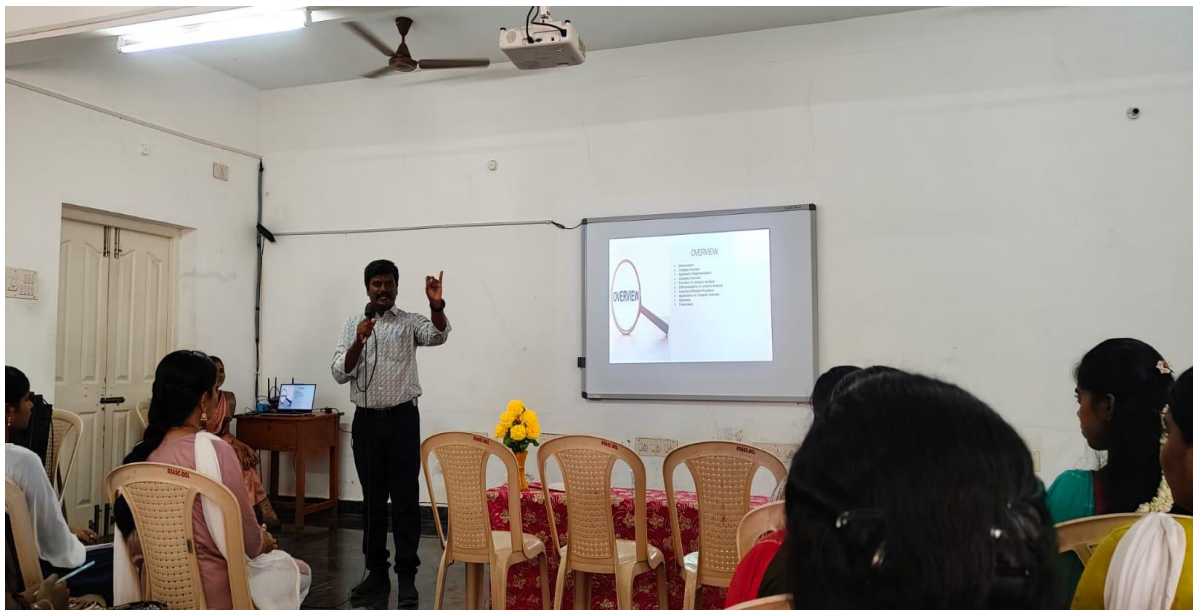
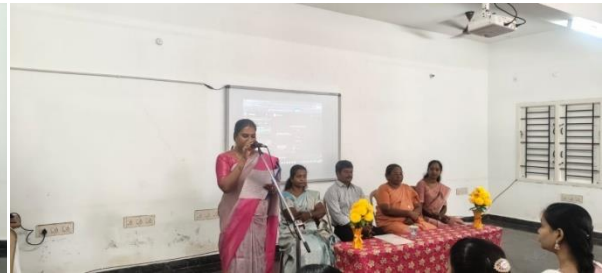
Programme outcomes:

- Students gained a better understanding of the fundamental concepts of Complex Analysis.
- The programme enhanced students analytical and logical thinking skills.
- The seminar helped students understand the importance and applications of Complex Analysis in mathematics and related fields.
- The interaction with the resource person provide students with academic exposure beyond the classroom.

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