



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
ONE DAY WORKSHOP- REPORT**

DATE:17/09/2026

OBJECTIVE OF THE PROGRAMME:

- To introduce students to the role of mathematics in Machine Learning.
- To develop an understanding of the mathematical foundations used in Machine Learning.
- To familiarize **Mathematics, Computer Science (CS), and BCA students** with the mathematical concepts related to Machine Learning.
- To enhance students' analytical, logical and problem-solving skills.
- To create awareness about the applications of mathematics in Artificial Intelligence and Data Science.

REPORT:

The Department of Mathematics, Bon Secours Arts and Science College for Women, organized a one day workshop entitled “**Mathematics for Machine Learning**” on 17th September 2026 at 10.00 a.m. at the New Auditorium. The workshop was organized for the benefit of **Mathematics, Computer Science(CS), and BCA students**, with the objective of providing them with an understanding of the mathematical foundations of Machine Learning and its applications.

The programme commenced with a prayer song. The Welcome Address was delivered by **Mrs. B.Manohari, Assistant Professor and Head, Department of Mathematics**. The programme was conducted in the presence of **Rev. Sr. Dr. Nesa Soundaram, Secretary**, and, **Dr. S.Gayathri ,Principal**.

The Presidential Address was delivered by **Dr. S.Gayathri, Principal**. She Emphasized the importance of the Workshop and Encouraged the students to make use of the Knowledge and opportunities provide through the Programme.

The workshop featured two distinguished Resource Persons, **Dr. G. Krishna Moorthy, IBM Certified Data Science Professional and Head, Department of Artificial Intelligence and Data Science, RVS College of Engineering, Dindigul**, and **Dr.J.Lourdu Xavier, Professor, Department of MCA, RVS College of Engineering, Dindigul**.

The Chief Guest Address was delivered by Dr. G. Krishna Moorthy. He explained the importance of mathematics as a foundation for Machine Learning, Artificial Intelligence and Data Science. He highlighted how mathematical concepts are applied in modern technological fields and encouraged students to develop their knowledge and skills in these emerging areas.

The resource person **Dr.J.Lourdu Xavier** delivered informative and engaging sessions for the **Mathematics, CS and BCA students**. The sessions introduced students to mathematical concepts relevant to **Machine Learning, Data Science, Artificial Intelligence and data analysis**. The students gained an understanding of the connection between mathematical concepts and real-world technological applications.

The workshop provided an excellent academic platform for the students to interact with experts and gain exposure to emerging technologies. The sessions encouraged the students to develop their analytical, logical and problem-solving abilities.

The Vote of Thanks was delivered by **Ms. Christy Praba, Assistant Professor, Department of Mathematics**. The programme concluded with appreciation to all the participants.

Programme outcomes:

- Mathematics, CS and BCA students gained an understanding of the mathematical foundations of Machine Learning.
- Students understood the connection between mathematics, Artificial Intelligence and Data Science.
- The workshop enhanced students' analytical, logical and problem-solving skills.
- Students gained academic exposure to emerging technological fields.
- The interaction with the Resource Persons provided valuable knowledge about the applications of mathematics in Machine Learning and related areas.

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PHOTOS





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