

# Research Methodology Workshop on the Topic: The Possibilities of Mathematical Research in Computer Science

on 30<sup>th</sup> August 2024

A seminar on “The Possibilities of Mathematical Research in Computer Science” was organized by the PG Department of Mathematics in academic collaboration with the Research Council of Mahatma Gandhi College, Iritty, and IQAC on 30th August 2024 at 2 PM. The event was attended by faculty members and students, primarily MSc students. The seminar was presided over by the Principal, Prof. (Dr.) Swarupa R.

The program began with a warm welcome address by Dr. Bijumon, HoD of the PG Department of Mathematics. Mrs. Haseena C., Coordinator of the program, introduced the resource person, Dr. Binu P., Assistant Professor at IIT Kottayam. Dr. Binu P. elaborated on how mathematical research in computer science drives advancements in algorithms, enabling efficient problem-solving across various industries. He highlighted its role in fostering innovations in fields such as cryptography, artificial intelligence, and data analysis by developing new theoretical frameworks and models. He also emphasized its impact on computational complexity, enhancing our understanding of the limits of computation.

The seminar concluded with a vote of thanks by Mrs. Jimly Manuel, Convener of the Research Council, who expressed gratitude to the resource person and participants for their valuable contributions to the session.

The poster is a vertical rectangular graphic with a light blue background. At the top, it features the Mahatma Gandhi College logo and name, along with accreditation details. Below this, it states the organizing department and its collaboration with the Research Council and IQAC. The main title of the seminar is prominently displayed in a bold, purple font. A photograph of the resource person, Dr. Binu M, is shown on the left side. To the right of the photo, his name and title are listed. The date and time of the seminar are clearly marked, with the time '2.00PM' circled in purple. At the bottom, the names and roles of the organizing committee members are listed in a dark blue bar.

Mahatma Gandhi College, Iritty  
(Accredited by MAC with 'A' grade, Affiliated to Kannur University)

PG DEPARTMENT OF MATHEMATICS  
In Academic collaboration with  
Research Council and IQAC Organizes

Seminar on

**The Possibilities of  
Mathematical Research  
in Computer Science**

Resource Person:  
**Dr Binu M**  
Asst. Professor  
IIIT, Kottayam

On 30th August 2024  
At Seminar Hall  
Mahatma Gandhi College, Iritty

2.00PM

Prof (Dr) Swarupa R (Principal) | Haseena C (Programme Coordinator) | Dr. Aneesh Kumar K (IQAC Coordinator) | Ms. Jimly Manuel (Coordinator, Research council)

Organizing Committee  
Dr Bijumon R, Mrs Priyanka P, Mrs Maya P V, Mrs Vidya T M and Mrs Ambili K



