

## SEMINAR REPORT:



International Seminar on Mathematics has been organized by IQAC and Dept. of Mathematics of Muralidhar Girls' College in collaboration with Basanti Devi College on 28<sup>th</sup> of June, 2023.

### International Speaker:

Dr. Prerona Dutta, Arnold Ross Assistant Professor, Ohio State University, USA.

### Attendees:

- Principal of Muralidhar Girls' College & Basanti Devi College
- Faculties of Mathematics from Basanti Devi College & K.K. Das College.
- Students from Mathematics Department of Netaji Nagar Day College & Basanti Devi College.
- Students from Mathematics department & also from others Science Stream of Muralidhar Girls' College.

### Topic of the Seminar:

A Bird's Eye View of Mathematical Analysis

### Summary:

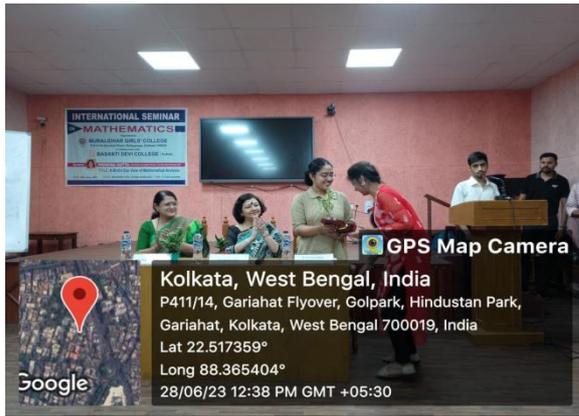
- The program was conducted at the Seminar Room (Room 26) of Muralidhar Girls' College and hosted by Suvam Mukherjee, Visiting Lecturer, Dept. Of Mathematics, Muralidhar Girls' College.
- The programme started with welcome address by Subhrajit Dey (Head of the Dept), Assistant Professor, Dept. of Mathematics, Muralidhar Girls' College.
- The inaugural program started on around 12.30 pm through the felicitation of the guests by our students of Mathematics department.  
Dr. Kinjalkini Biswas, Principal, Muralidhar Girls' College.  
Dr. Indrila Guha, Principal, Basanti Devi College.  
Dr. Prerona Dutta (Speaker), Arnold Ross Assistant Professor, Ohio State University, USA.
- Respected Principals of Muralidhar Girls' College and Basanti Devi College had delivered short speech mentioning the importance of studying mathematics and possible applications.
- Then the speaker Dr. Prerona Dutta started her talk in very elementary ways. She discussed different features & aspects of real analysis. Starting with fundamentals of Real Analysis like sets in real numbers, sequence and series, she has reached to the Functional Analysis. She concluded her talk with the ideas on metric space & the notion of metric entropy. Her current research interest lies

on metric entropy and she pointed out the importance & application of metric entropy in different real-life problems, use in Artificial Intelligence, Machine Learning.

- The talk was completed through the interactive session between the attendees & the speaker.
- Finally, Subhrajit Dey, departmental head of Muralidhar Girls' College had delivered vote of thanks.

### Image of the Seminar:

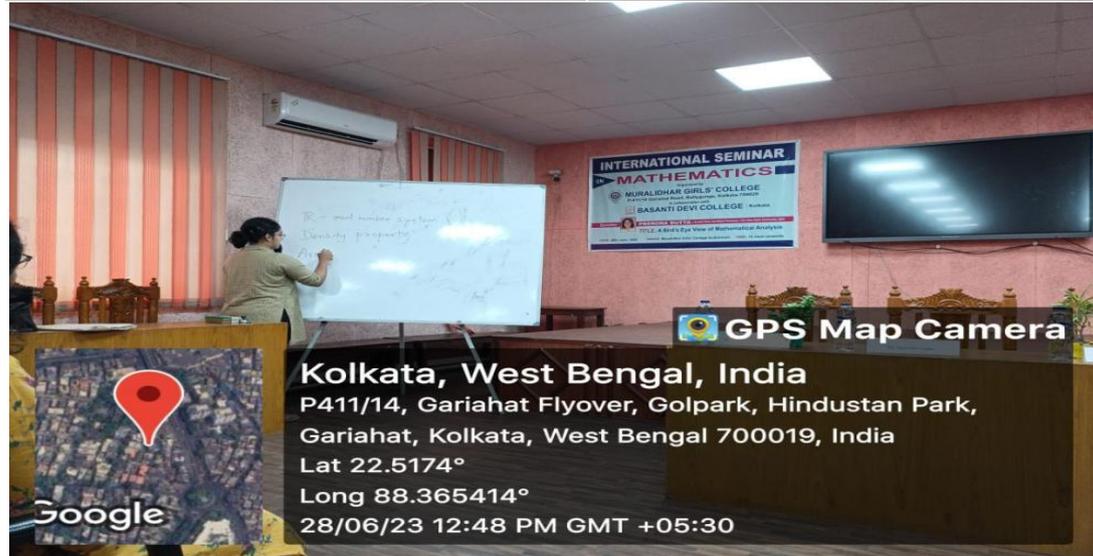




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