DEPARTMENT OF MATHEMATICS
Govt. COLLEGE MOKERI

Report on Seminar Programme "What Linear Algebra is About? " on 23-02-24

Date: February 23, 2024
Time: 10:30 AM - 1:00 PM
Venue: Seminar Hall, Government College, Mokeri

Resource Person: Dr. T. K. Muraleedharan, Associate Professor and Head of School of Mathematical Sciences, Kannur University

The seminar on "What Linear Algebra is About?" was held in continuation with the Mathematics Association inauguration for the year 2023-24. Dr. T. K. Muraleedharan, a renowned expert in the field of mathematics, delivered an insightful presentation that covered the fundamental concepts and applications of linear algebra.

Dr. Santhosh PK, HOD of the Mathematics department, welcomed the guest speaker, and Sri. Rishi Chand, the Association secretary, extended a warm welcome to the audience. Principal Sri. Ashraf KK presided over the session.

The seminar began with a comprehensive introduction to the basics of linear algebra, including vectors, matrices, and their operations. Dr. Muraleedharan explained the key concepts of linear independence, span, basis, and dimension in a clear and engaging manner. He also discussed the applications of linear algebra in various fields, such as physics, engineering, computer science, and economics.

The presentation progressed to more advanced topics, including linear transformations, eigenvalues, and eigenvectors. Dr. Muraleedharan illustrated these concepts with real-world examples and solved problems to enhance understanding. The seminar concluded with a discussion on infinite-dimensional vector spaces, providing the students with a glimpse into the vast and fascinating world of abstract algebra.
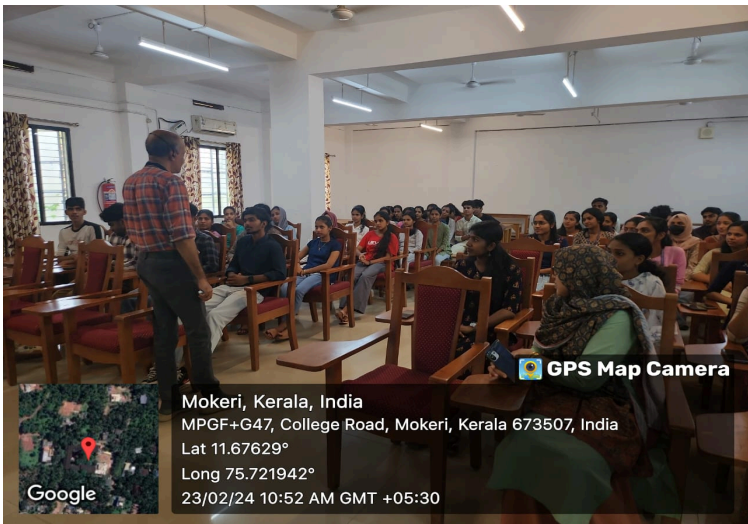
The seminar was well-received by the students and faculty members, who actively participated in the question-and-answer session. Dr. Muraleedharan's expertise and passion for mathematics were evident throughout the presentation, making the subject matter both interesting and accessible.

The seminar was a valuable learning experience for the students, providing them with a deeper understanding of linear algebra and its applications. It also served as a motivation for further exploration of this important branch of mathematics.

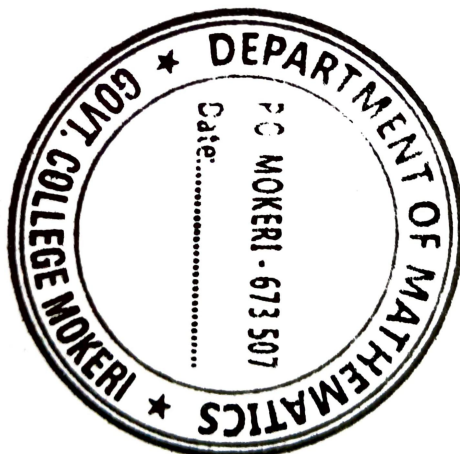Mokeri, Kerala, India
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