

Report on the Compact Course on Engineering Mathematics

The Compact Course on Engineering Mathematics was conducted from March 10 to March 12, 2025, at Golaghat Engineering College, Assam, in collaboration with the Prof. R. Balakrishnan Endowment Trust and The Indian Mathematics Consortium. The course focused on strengthening mathematical foundations for engineering students, with a particular emphasis on Linear Algebra.

The inaugural session was attended by the faculty members of Golaghat Engineering College, who emphasized the importance of mathematics in engineering and encouraged students to actively participate.

The valedictory session marked the conclusion of the course, where the Principal and teachers appreciated the initiative. Participants shared their experiences, highlighting the impact of the course in improving their understanding of linear algebra.

Prof. Ankur Bharali, from Dibrugarh University, was the speaker in the course. He delivered two lectures each day on Linear Algebra, followed by interactive problem-solving sessions. His sessions covered: Fundamentals of Linear Algebra – Matrix operations, determinants, and vector spaces, System of Linear Equations Eigenvalues and Eigenvectors and their significance in stability analysis and transformations. Applications in Engineering Practical applications of linear algebra techniques.

The course was attended exclusively by students, who actively engaged in lectures and problem-solving sessions. The structured format helped them strengthen their understanding of linear algebra and its applications in engineering. The positive feedback from students highlighted the success of the course in enhancing their mathematical skills.