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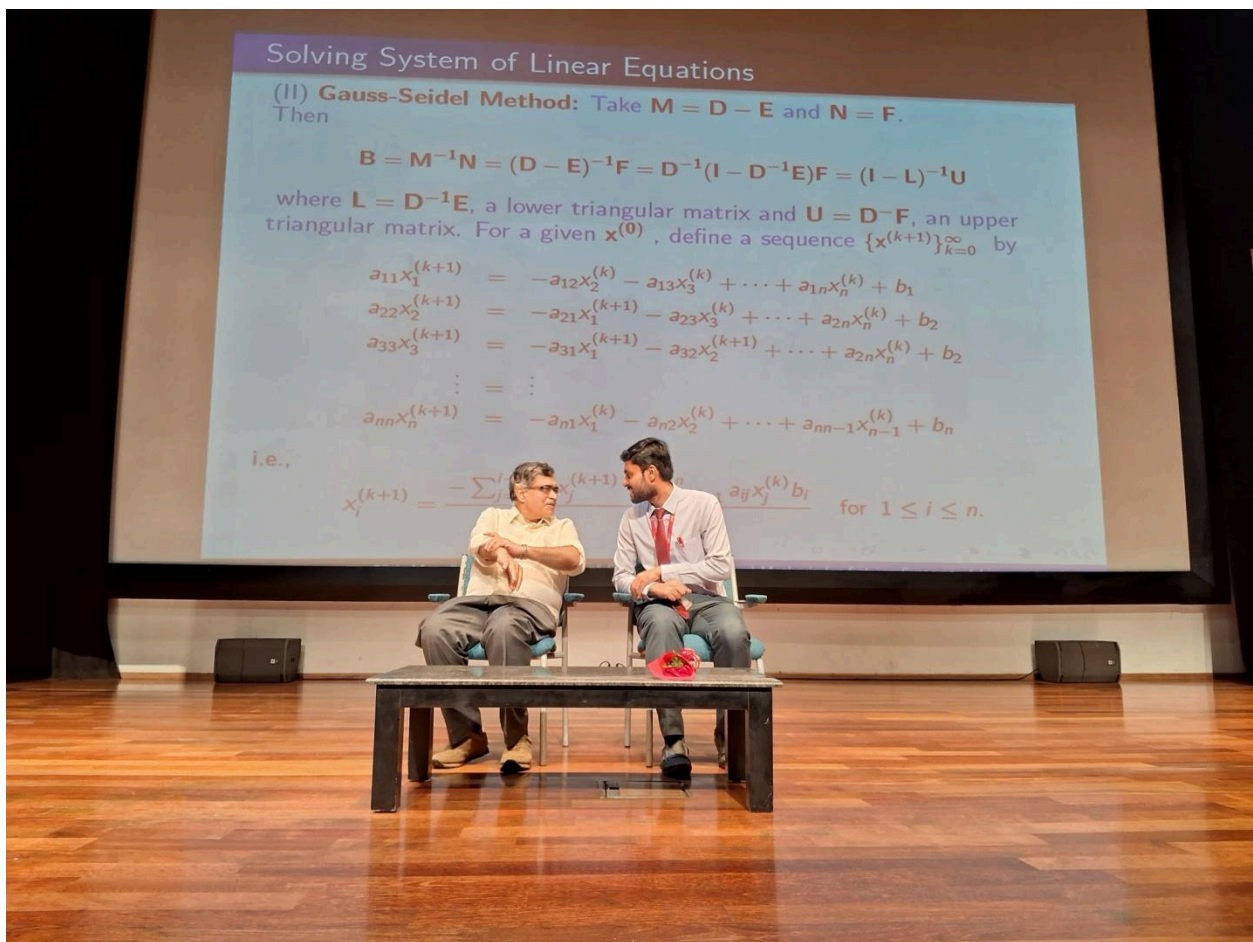GUEST LECTURE on 'Numerical methods to Solve Systems of Linear equations'

Guest Lecture on 'Numerical methods to Solve Systems of Linear equations'

A Guest lecture on 'Numerical methods to Solve Systems of Linear equations' was organized by the Department of Mathematics, MVJCE, on 29th May, 2024. The lecture was organized at M V Jayaraman Auditorium for the First year students.

A Guest lecture on 'Numerical methods to Solve Systems of Linear equations' was conducted at M V Jayaraman Auditorium, MVJCE on 29th May 2024

The Guest Speaker for this Lecture was Prof. Veerappa Gowda, TIFR CAM, Bangalore. 750 First Year students from various sections of Physics and Chemistry cycles, and faculty members attended this session.

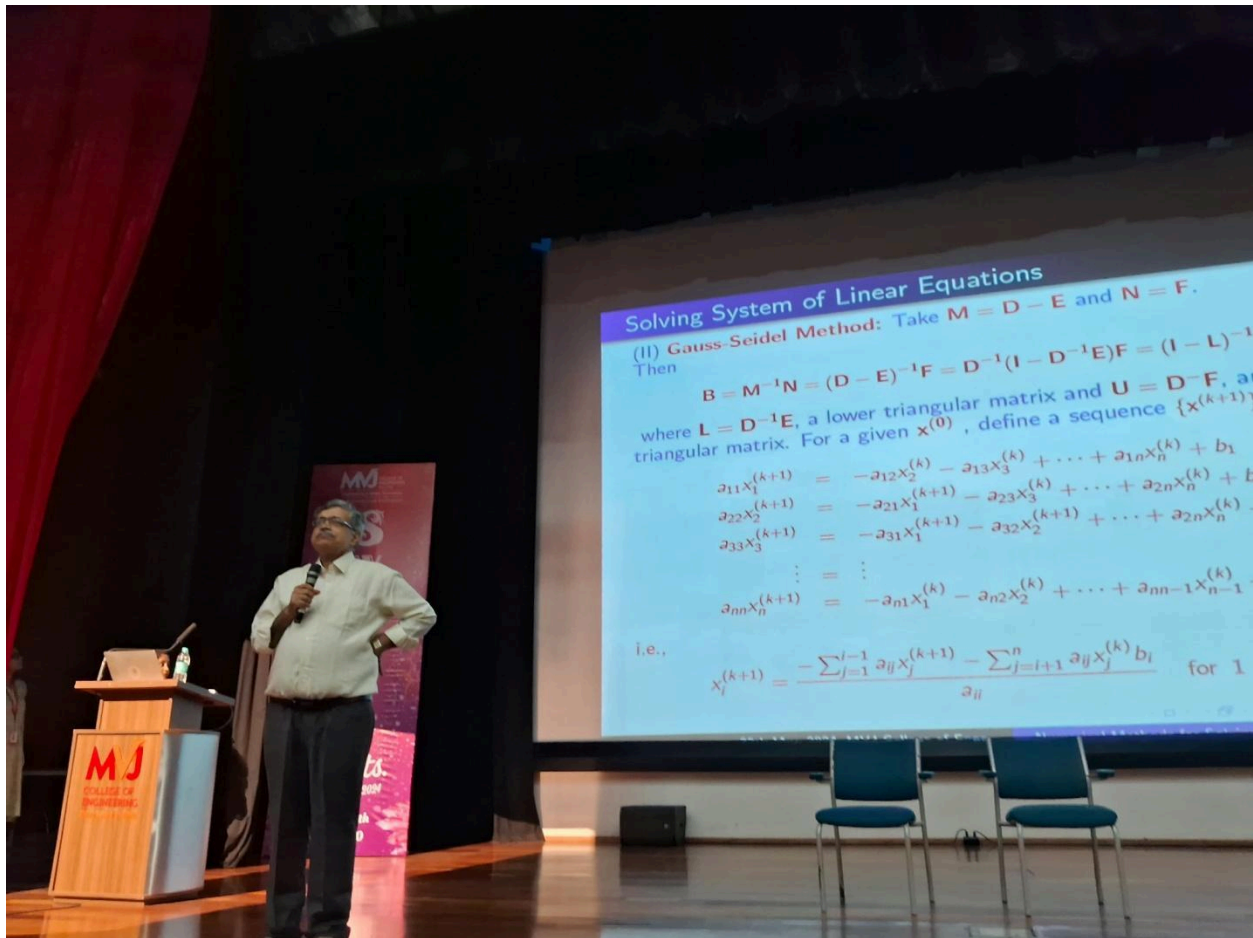First year student performing Invocation song at the Guest lecture.

The session started with an Invocation song Manaswini and team. This was followed by the welcome address to the guest lecture by Prof. Poojashree R.

Prof. Niranjan L, HOD, Department of Mathematics, introducing the Chief guest.

Prof. Niranjan L, HOD, Department of Mathematics, introduced the Chief Guest Prof. Veerappa Gowda, to the audience.

Prof. Veerappa Gowda during the guest lecture.

The Chief Guest Prof. Veerappa Gowda gave some applications (Standard Examples) Numerical methods in Engineering. He gave a brief explanation on the numerical methods to solve a system of linear equations. He gave a brief explanation on solving a system of equation using Cramer's rule, Gaussian Elimination method.Through the examples, the students could understand the importance of numerical mehods, and why they need to study system of linear equation in modern Mathematics. Further, they realized that obtaining the solution is not enough to understand the problem and provide the right answers to the applications. In addition to the above concepts, the Speaker also introduced the students to the numerical methods used in Calculus. He gave a brief explanation on the identification of roots of higher order polynomials, which would result in the solution of various higher order differential equations. He explained the importance of numerical methods.

After the presentation, a Q&A session was conducted where the Guest Speaker addressed the queries of the attendees.

The session concluded with vote of thanks by First Year student Akanksha from Asection, who thanked the MVJCE Management, Principal, Vice Principal and COE of MVJCE, for having given this opportunity to conduct such an interesting and useful Guest Lecture. A special mention to ITHELPDESK and team for their technical support during the session.

Outcome of the Event

The Guest Lecture enabled the students to enhance their knowledge about Calculus. This will make the students more interested in going deeper into the subject. It will also encourage them to explore and understand the need for Calculus in their respective Engineering branches.

Ms. Poojashree R
Event Coordinator
Assistant Professor, Mathematics
MVJCE