

Guest Lecture Report

The department of **Mathematics** organised a **Guest Lecture** titled '**Applications of differential equations in the reconstruction of 3-dimensional object from a two-dimensional image**' on **25-10-2025** at **10:30 AM**, in **M V Jayaraman Auditorium, MVJCE**.

The Guest Speaker for this Lecture was Prof. Veerappa Gowda, Professor, Mahindra University, Hyderabad, formerly a Professor in the TIFR Centre for Applicable Mathematics, Bangalore.

Objectives of the Event

The primary objectives of the event were:

- To make participants familiar with concepts of Differential Equations
- To build an interest in Differential Equations in the reconstruction of 3-dimensional objects and its interdisciplinary applications to scholars
- To give ideas and insights for future research work for scholars and faculties

Event Overview

The session commenced at 10:30 a.m. with a welcome address by Prof. Ashwini, followed by an engaging session address by Prof. Veerappa Gowda, Professor, Mahindra University, Hyderabad. The presentation covered key areas such as Differential Equations, Concept of Viscosity solution, and Existence of a non-differentiable solution, providing deep insights into the subject matter. Various theoretical concepts were covered along with real-world applications. Participants showed keen interest, with active participation during interactive segments and Q&A rounds. The session was concluded by felicitation of the speaker, followed by a vote of thanks by Prof. Poojashree. The flow of events was hosted by Prof. Srinivasan K.

As shown in Figure 1, the event banner was displayed promptly at the venue.

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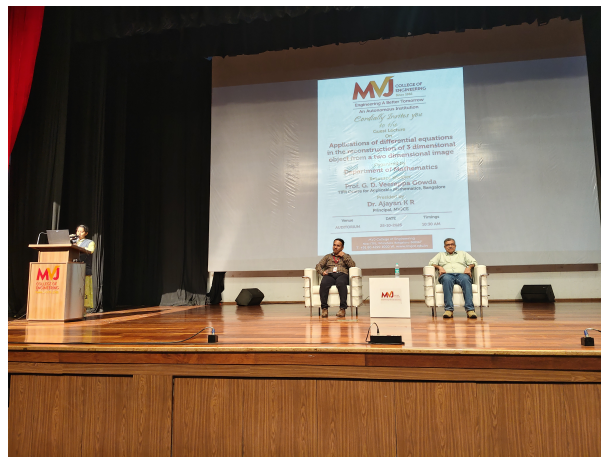


Figure 1: Introduction of the Chief Guest

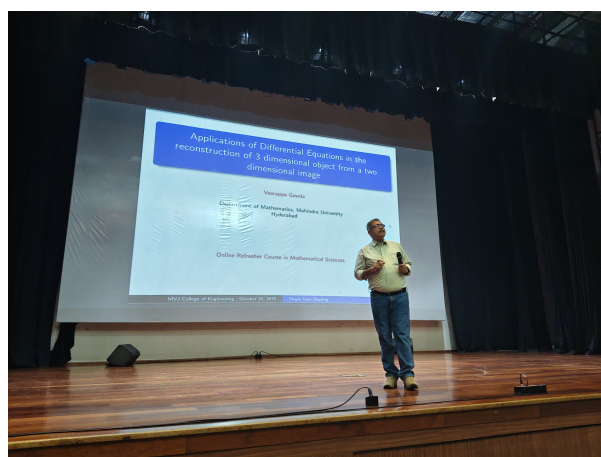


Figure 2: Talk by Speaker

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Figure 3: Felicitation

Day	Time	Session Details
Saturday, , October 25 2025	10.30am - 10.45 am	Welcome Address
	10.45am - 12.15 pm	Session by Guest Speaker
	12.15pm - 12.30 pm	Felicitation and vote of thanks

Table 1: Schedule of the Event

Outcomes and Impact

The outcomes of the sessions:

- Participants could learn basic concepts of Partial Differential Equations and Orthographic Projection Model
- Research Scholars gained ideas in finite volume method for further research



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