



**DCT's
Dhempe College of Arts and Science
Miramar Panjim Goa**

**Report on Training: Digitalizing Data for Scientific Visualization organised by DCT's
Dhempe College of Arts and Science, Miramar, Panjim, Goa.**

Objective

The primary objective of this training, as part of the college's initiatives, is to develop skills in designing MOOCs and online courses to support blended learning approaches and increase student engagement.

Department of Physics and Content Creation and Flipped Learning Committee of Dhempe College of Arts and Science organized training on "Digitalizing Data for Scientific Visualization" on October 26, 2024 at 2 pm, under the DBT Star College Scheme. Dr. Akshay Salkar, Assistant Professor at Ganpat Parsekar College of Education, was the Resource Person for the same. The training showcased innovative techniques using MS PowerPoint and Adobe Effects to create animations and 3D models. Attendees learned how visual augmentation enhances learning experiences. 50 faculty members participated, gaining valuable insights to integrate digital tools into their teaching practices, promoting engaging science education.

Outcomes

The training highlighted the usefulness of MS PowerPoint as a powerful tool for scientific visualization beyond its conventional use in presentations. Participants learned how to PowerPoint's animation features, custom graphics, and layering tools to create dynamic visualizations that effectively communicate complex data. For example, they explored ways to use motion paths, transitions, and triggers to create interactive elements and simple animated models that can break down scientific concepts into digestible parts. Additionally, PowerPoint's 3D model support and Adobe Effects allowed faculty to create structured, visually engaging displays that will enhance student comprehension and engagement in science education. By maximizing these features, attendees found new ways to incorporate visual storytelling into their teaching, ultimately making data and concepts more accessible and appealing for diverse audiences.



Dr. Swati Pawar

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Organizer**

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