

Yashwantrao Chavan College of Science, Karad

Department of Microbiology

Best Practices-2023-24

Best Practice No. 4

1. Title of the Practice

Enhancing Interactive Teaching through Advance Tools

2. Objective of the Practice

In addition to traditional blackboard teaching, incorporating advanced computer-based tools enhances interactive learning activities. The aim is to improve the understanding of *in-vivo* mechanisms through PowerPoint presentations and videos, aiding in the comprehension of complex processes such as immunological responses, and metabolic process, fermentative process and more.

3. The Context

The practice is aimed at improving teaching and learning by visualizing in vivo concepts using advance computer-based tools. The use of PowerPoint presentations with projectors facilitates attractive and interactive teaching.

4. The Practice

The Department of microbiology has introduced projectors in classrooms and practical labs. The projector is used to teach various biological events, especially in vivo processes, through PowerPoint presentations and video graphics. This activity simplifies the understanding of complex biological phenomena through the use of video visuals.

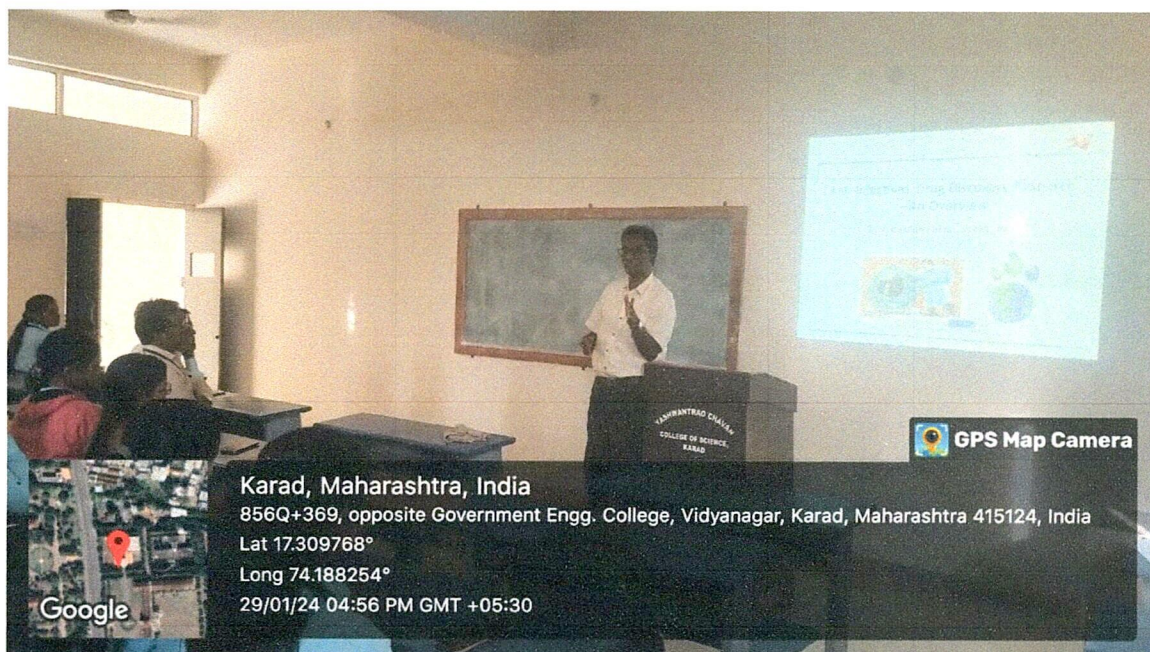
5. Evidence of Success

The inclusion of PowerPoint presentations with audio visuals has made complex concepts more accessible to students, as evidenced by improved student performance in examinations and assessments. Additionally, students have utilized this facility to present their seminar and research findings. High student satisfaction with projector-based teaching is a key indicator of the success of this interactive teaching approach using advanced tools.

6. Problems Encountered and Resources Required

The primary challenge encountered is the lack of smart boards and consistent internet connectivity, both of which are essential for interactive and live demonstrations.






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Yashwantrao Chavan College of Science, Karad
Student Seminar Activity 2023-24

REPORT

Name of the activity:	Student Seminar Activity.
Class	M.Sc. I & II
Date	2023-24
Name of the department:	Microbiology
Program type	Seminar on given topic, group discussion
In charge Teacher	Dr. A. A. Raut Ms. K. A. Yadav
No. of Students Participated	103
No. of Teachers Participated	04
Program outcomes	Helps students to better grab concepts and knowledge.

Program Photo



(Signature)

Teacher incharge



(Signature)

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