Shri Sant Gajanan Maharaj College of Engineering Shegaon

Department of Electronics and Telecommunication Engineering

Link of Video:

https://www.youtube.com/watch?v=7vpqdQvtxPs&list=PLs_V51E8S7v7viDEIUr9pxJXSMyEBhWiW&index=1

Course Title & Course Code: Equation of Amplitude Modulated Wave (4ETC01)

Class: Second Year (2U1)

Semester: IV

Name of the Course Teacher: Mr. K. T. Kahar

Title of the innovative practice: You-tube Video

Objectives/Goals of the practice:

The primary goal of this innovative teaching practice is:

1. To enhance conceptual understanding amplitude modulation.

2. To illustrate various components of amplitude modulated wave with the help of step-by-step equations.

Use of Appropriate Methods:

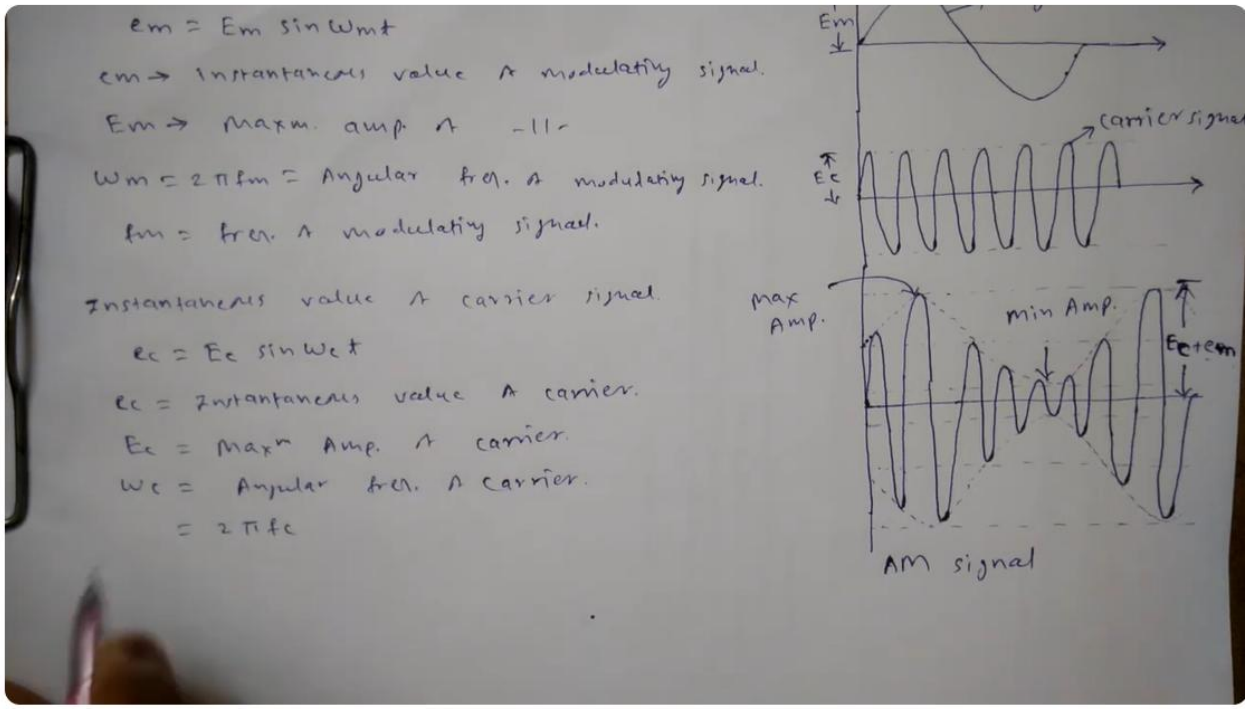
To achieve the stated goals, the following methods were implemented:

1. Step-by-step derivation of amplitude modulated wave is provided.
2. The Video was created and was uploaded on You-tube so that students can access it whenever required.
3. Students were provided with the link of You-tube video prior to lecture.
4. Students were informed to check the link before coming to class to enhance understanding.
5. Questions were asked in class to assess student understanding
6. Enhances conceptual clarity and engages visual learners.

Effective Presentation:

1. Link was shared with all students
2. Questions were asked in class to assess student understanding

Photo of the activity



2 Equation of Amplitude Modulated Wave mp4

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PO's & PSO's Mapped:

PO1, PO2, PO4, PO5, PO12, PSO1, PSO2

Reflective Critique:

The link of video was shared with other faculty members.

Dr. D. P. Tulaskar suggested to add frequency domain representation of AM wave.

Mrs. A. A. Deshmukh suggested to provide a comparison of AM with FM.

Evidences of success:

Increased Student Engagement :75% of students have gone through the video and actively participated in the question answer session**.**

Challenges faced during implementation:

It is hard to keep a track of who watched the video attentively.

If students don't understand part of the video, they may not ask questions, thus the advantage of real time support of live lecture is missing.

Link for peer review:

https://forms.office.com/r/PJWHZHcayJ