

Shri Sant Gajanan Maharaj College of Engineering Shegaon
Department of Electronics and Telecommunication Engineering

Link of Video: <https://www.youtube.com/watch?v=HkwBuOrkSyg>

Course Title & Course Code: Analog and Digital Communication (4ETC01)

Class: Second Year (2U1/2U2)

Semester: IV

Name of the Course Teacher: Dr.D.P. Tulaskar

Title of the innovative practice: YouTube Video

Objectives/Goals of the practice:

The primary goal of this innovative teaching practice is:

1. To enhance conceptual understanding of the Sampling Theorem fundamentals including its proof
2. To illustrate the proof of the Sampling Theorem and message reconstruction.

Use of Appropriate Methods:

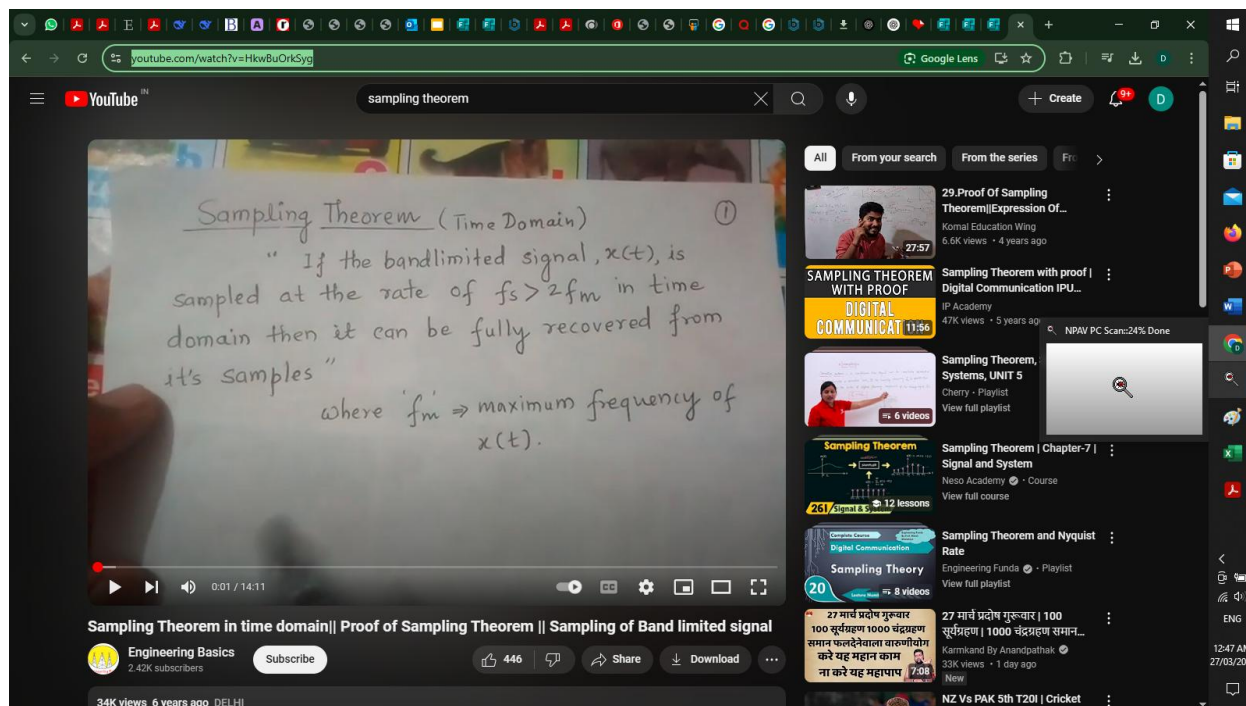
To achieve the stated goals, the following methods were implemented:

1. The video was created using mobile camera and was uploaded on You-tube
2. Students were provided with the link of You-tube video prior to lecture
3. Students were informed to check the link before coming to class to enhance understanding.
4. Question and answer session was conducted to do an assessment of student understanding of the mentioned topic
5. Enhances conceptual clarity and engages visual learners.

Effective Presentation:

1. Link was shared with all students
2. Oral question and answers session was conducted for students.

Photo of the activity



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 K.T.Kahar suggested to add numerical on Sampling Theorem

Ms. Ashwini Deshmukh suggested to include the animations in the video.

Evidence of success:

Increased Student Engagement: more than 90% of students have gone through the video and actively participated in the Q and A session

Challenges faced during implementation:

It is hard to keep track of who watched 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 lectures is missing.

Link for peer review : <https://forms.office.com/r/ei6GEWa9zC>