

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

Link of Simulations:

https://drive.google.com/drive/folders/18NFeLpJnQAWIbSuwSp13IfpaoK19Nc3N?usp=drive_link

Course Title & Course Code: DIGITAL SIGNAL PROCESSING (Code: 5ETC03)

Class: Third year (3U1)

Semester: Vth

Name of the Course Teacher: Dr.K.B.Khanchandani

Title of the innovative practice: SIMULATIONS

Objectives/Goals of the practice:

Simulation-based learning is revolutionizing how we educate and train individuals in various fields.

The primary goal of this innovative teaching practice is:

- Simulation-based learning makes it simple and convenient for students to access high-value learning experiences, whether they build their unique simulations or choose any pre-built solutions.
- This innovative approach allows students to engage in experiential learning
- Enhance Conceptual Understanding by providing an interactive and visual approach to explain the various algorithms.
- Student will be able to develop various algorithms and can verify the functionality of those algorithms as per the requirements of system design.

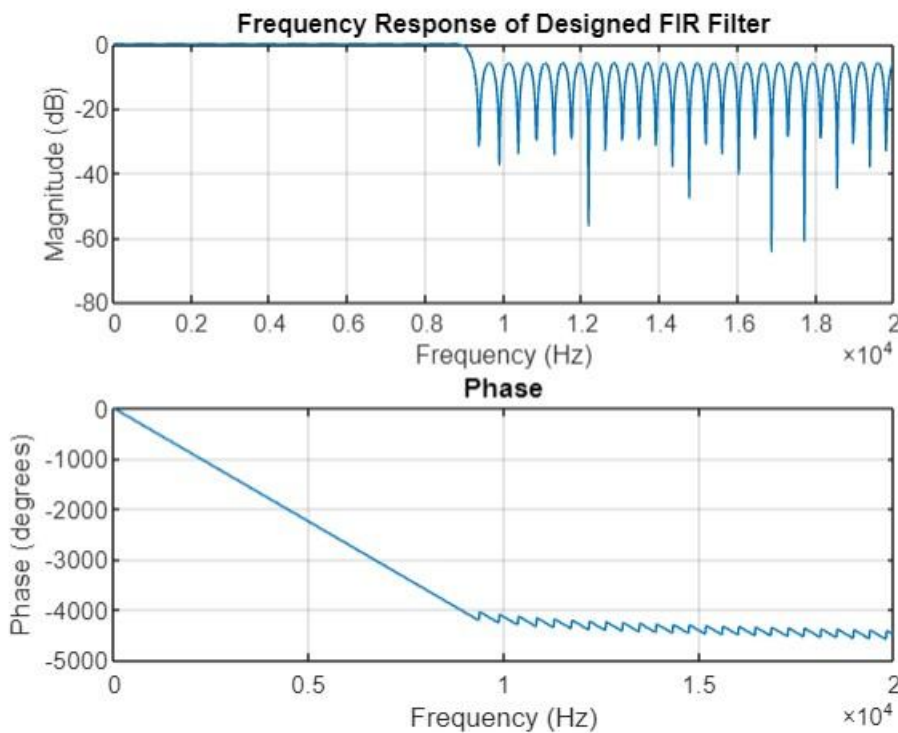
Use of Appropriate Methods:

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

- Student Groups were formed
- Each group consists of three to four students
- Simulation task is assigned to every group
- Monitoring of the task is done on regular intervals
- Final date of submission is given to them for assessment
- Based on Assessment ,marking was done.

Effective Presentation:

1. Link was shared with all students
2. Short quiz was conducted to assess student understanding

Photo of the activity**PO's & PSO's Mapped:**

PO1, PO2, PO3, PO4, and PO5

Reflective Critique:

The link of *Power Point Presentations* was shared with other faculty members.

Mr. Swapnil Badar suggested to add more simulation examples of multi rate systems

Evidences of success:

Increased Student Engagement :100% of students have gone through the simulation examples and actively participated in simulation base assignments.

Challenges faced during implementation:

--None

Link for peer review : <https://forms.cloud.microsoft/r/EXSF9WHKNH>