



# CRITERIA 7 ANNEXURES

## ANNEXURE 7.1.1 SAMPLE CBS COURSE

K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Content beyond syllabus- Mini project

Academic Year	2022-2023		
Batch	2021-2024		
Year/Semester/section	II/IV/ A		
Subject Code-Title	21EC42-DIGITAL SIGNAL PROCESSING		
Name of the Faculty	Mrs. Bhanumathi A	Dept	ECE

**Objective:** To identify the application mini Project of Digital Signal Processing and give the Mini Project report.

Instruction to be followed:

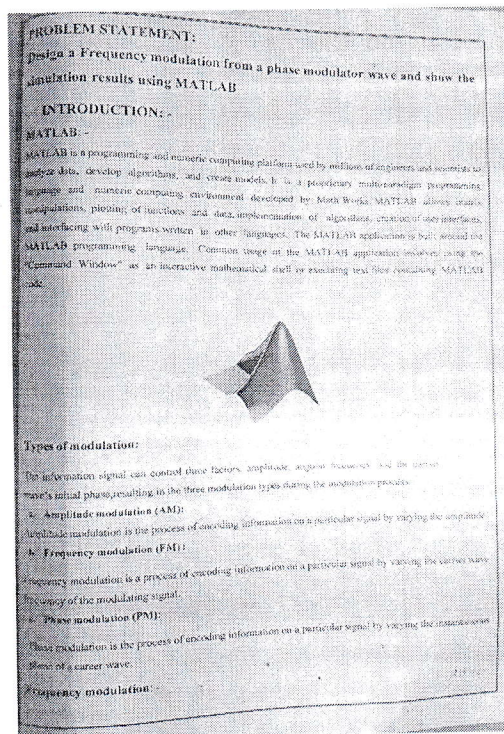
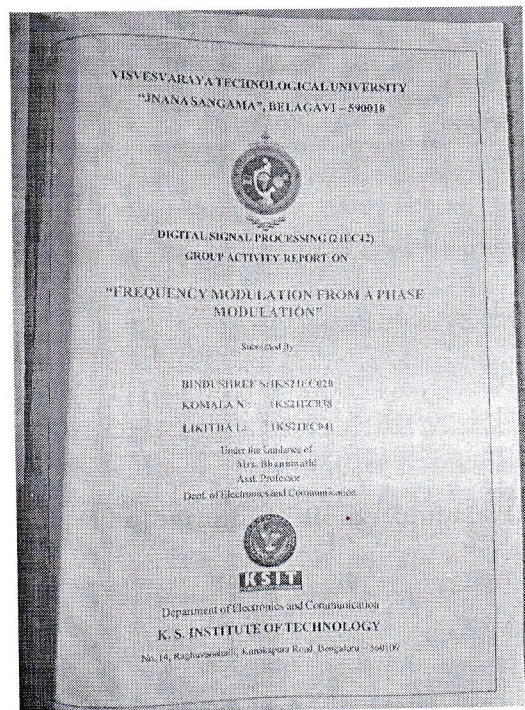
1. The topic allotted or assigned must be out of the course.
2. The work given must be from Apply level onwards
3. This will address **PO1,PO2, PO3,PO5,PO9,PO10,PO11,PO12**

SL.No	TEAM	Name of the student & USN	Title of Mini Project Report
1	TEAM 1	Abhijith R	Develop a sampling and Quantization wave and show the simulation results using MATLAB/SIMULINK.
		Abhishek T S	
		Chintan D S	
		Mithun	
2	TEAM 2	Monisha D	Develop an AM wave and demodulate the same using MATLAB/SIMULINK and Obtain the demodulated waveform for under modulation, over modulation and critical modulation.
		Misba M	
		Nayana S	
		Nayana J	
3	TEAM 3	Abhishek H C	Obtain quadrature carrier multiplexing of two message signals and show the simulation results using MATLAB/SIMULINK.
		Anirudha R bhat	
		Ashwin S R	
		Gurushankara M	
4	TEAM 4	Archana G M	Develop and demodulate a Frequency Modulated wave and plot the waveform in time domain as well as frequency domain using MATLAB/SIMULINK and Obtain the spectrum for varying parameters.
		Ascharya N B	
		Harini L	
		Kusuma M S	

5	TEAM 5	Gagana Sindhu N	Obtain frequency division multiplexing (FDM) of three message signals. Assume the modulation used as SSB using MATLAB/SIMULINK.
		Deeksha H K	
		Bhuvana H	
		Asishwarya A	
6	TEAM 6	Anagha Prakash	Develop a Phase Modulated wave and plot the waveform in time domain using MATLAB/SIMULINK and Obtain the waveform for varying parameters.
		Keerthana S	
		Meghana N	
7	TEAM 7	Bindushree S	Develop a Frequency Modulated wave from a Phase Modulator using suitable functions using MATLAB/SIMULINK and Obtain the waveforms for varying parameters.
		Komala N	
		Likitha L	
8	TEAM 8	Bhavya K	Develop and demodulate an DSB-SC modulated wave and plot the waveform in time domain as well as frequency domain using MATLAB/SIMULINK and Obtain the spectrum for varying parameters.
		Sai himaja	
		Pooja R	
9	TEAM 9	Archana M	Develop a Phase Modulated wave from a Frequency Modulator using suitable functions using MATLAB/SIMULINK and Obtain the waveforms for varying parameters.
		Aadya B N	
		Deepika D	
10	TEAM 10	Narahari	Develop a sampling and Quantization wave and show the simulation results using MATLAB/SIMULINK.
		Chiranth	
		Hemanth	
		Bhargav	
11	TEAM 11	Preetham M	Develop an AM wave and demodulate the same using MATLAB/SIMULINK and Obtain the demodulated waveform for under modulation, over modulation and critical modulation.
		Prajwal G V	
		Akshay M S	
		Pratham	
12	TEAM 12	Manoj T V	Develop and demodulate an SSB modulated wave and plot the waveform in time domain as well as frequency domain using MATLAB/SIMULINK and Obtain the spectrum for varying parameters.
		Lohith S	
		Lohith B	
		Naveen S	
13	TEAM 13	Lohith S H	Develop quadrature carrier multiplexing of two message signals and show the simulation
		Samarth B P	

		Prajwal D	results using MATLAB/SIMULINK.
		Prajwal H S	
14	TEAM 14	Kushal gowda	Develop a Phase Modulated wave and plot the waveform in time domain using MATLAB/SIMULINK and Obtain the waveform for varying parameters.
		Akshay C	
		Vivek	
		Gagan V	
15	TEAM 15	Charitha	Obtain a Frequency Modulated wave from a Phase Modulator using suitable functions using MATLAB/SIMULINK and Obtain the waveforms for varying parameters.
		Karan S	
		Omkar	
		Damini	
16	TEAM 16	Prajwal R	Develop a Frequency Modulated wave from a Phase Modulator using suitable functions using MATLAB/SIMULINK and Obtain the waveforms for varying parameters.
		Jeevan B N	
		Pavan M Pai	
		Nandan K	

### Proofs (Photographs/Videos/Reports/Charts/Models)



  
 Signature of Course In-charge

  
 Signature of HOD-ECE