Course Number and Name

BEE604 & DIGITAL SIGNAL PROCESSING

Credits and Contact Hours

3 & 45

Course Coordinator's Name

Dr.S.P.Vijayaragavan

Course Description

- To classify signals and systems& their mathematical representation.
- To analyse the discrete time systems.
- To study various transformation techniques & their computation.
- To study about filters and their design for digital implementation.
- To study about a programmable digital signal processor & quantization effects

Prerequisites	Co-requisites
Mathematics-III	Nil

required, elective, or selected elective (as per Table 5-1)

Required

Course Outcomes (COs)

CO1: Explain Properties and algorithms for implementation of DFT.
CO2: Filters Describe and their structures.
CO3: Illustrate the design of FIR and IIR filters.
CO4: Describe the quantization effects.
CO5: Relate the architectures and instruction set of a Digital Signal Processor.

Student Outcomes (SOs) from Criterion 3 covered by this Course

COs/SOs	a	b	c	d	e	f	g	h	i	j	k	l
CO1	H	H	M	H	L	L	M	H	H	H	H	H
CO2	H	H	H	H	H	L	M	H	H		H	H
CO3	H	H	H	H	H			H	H	H	H	H
CO4	M	M	L	H	M			H	H		H	M
CO5	H	H	H	H	H	M	M	H	H			H