Course Number and Name
BEC504 - COMMUNICATION ENGINEERING I

Course Objectives

- Analog modulation and demodulation techniques.
- Acquiring mathematical understanding of Analog Communication Systems.
- Understanding the trade-offs (in terms of bandwidth, power, and complexity requirements)
- Performance evaluation of communication systems in the presence of noise.

Prerequisites	Co-requisites
BEC301-Signals and Systems	Nil

Course Outcomes (COs)

CO1 Students will have knowledge of basic mathematical concepts and from a block-diagram system approach.

CO2 It will allow thinking in the two "domains" of communications, the time domain and the frequency domain.

CO3 To evaluate communication systems in the presence of noise.

CO4 They will have knowledge of basic types of analog modulation (AM, FM, and PM) from mathematical description.

CO5 To understand trade-offs (in terms of bandwidth, power, and complexity requirements)

CO6 Design of practical communication system at the block diagram level under certain constraints and requirements

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

COs/SOs	a	b	c	d	e	f	g	h	i	j	k
CO1	H		M	H		M	M			M	
CO2	M	M					M		M		
CO3	M	M		H	M	L			M	L	
CO4	M		M		H					M	
CO5		M		M		M			H		
CO6	H	M		M	M		M		M		