#### **Course Number and Name**

### BEC003 - SATELLITE COMMUNICATION

## **Course Objectives**

- To enable the student to become familiar with satellites and satellite services.
- Study of satellite orbits and launching.
- Study of earth segment and space segment components
- Study of satellite access by various users.

Prerequisites	Co-requisites
BEC504- Communication Engineering I	Nil
BEC604- Communication Engineering II	

## **Course Outcomes (COs)**

CO1: Define orbital mechanics and launch methodologies

CO2 : Describe satellite subsystems

CO3: Design link power budget for satellites

CO4 : Compare competitive satellite services

CO5: Explain satellite access techniques

CO6: DTH and compression standards

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

COs/SOs	а	b	С	d	е	f	g	h	i	j	k	
CO1	Н		М		М	М	М	Н	М		L	•
CO2	M	L	Н				Н		L	Н		•
CO3	М	Н	М				М	М	М		Н	•
CO4	M	Н	Н		М				М		М	•
CO5		L			М	М	М		L		М	•
CO6				М	М	Н	М					
	CO1 CO2 CO3 CO4	CO1 H CO2 M CO3 M CO4 M CO5	CO1 H CO2 M L CO3 M H CO4 M H CO5 L	CO1 H M CO2 M L H CO3 M H M CO4 M H H CO5 L	CO1 H M CO2 M L H CO3 M H M CO4 M H H CO5 L	CO1 H M M M CO2 M L H CO3 M H M CO4 M H H M CO5 L M	CO1 H M M M M  CO2 M L H  CO3 M H M  CO4 M H H M  CO5 L M M	CO1 H M M M M M CO2 M L H	CO1 H M M M M H  CO2 M L H	CO1         H         M         M         M         M         M         H         M           CO2         M         L         H         H         L         L         L         L         L         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         L         L         M         M         M         M         L         L         L         M         M         M         M         M         L         L         L         M         M         M         M         M         M         L         L         L         M         M         M         M         M         L         L         M         M         M         M         M         L         L         M <td>CO1 H M M M M H M  CO2 M L H M M M M M M H  CO3 M H M M M M M M  CO4 M H H M M M M M  CO5 L M M M M M</td> <td>CO1         H         M         M         M         M         H         M         L           CO2         M         L         H         H         L         H           CO3         M         H         M         M         M         M         M         H           CO4         M         H         H         M         M         M         M         M         M           CO5         L         M         M         M         M         M         M         M</td>	CO1 H M M M M H M  CO2 M L H M M M M M M H  CO3 M H M M M M M M  CO4 M H H M M M M M  CO5 L M M M M M	CO1         H         M         M         M         M         H         M         L           CO2         M         L         H         H         L         H           CO3         M         H         M         M         M         M         M         H           CO4         M         H         H         M         M         M         M         M         M           CO5         L         M         M         M         M         M         M         M