## Course Number and Name

## BEC007 - DIGITAL IMAGE PROCESSING

## **Course Objectives**

- To study the image fundamentals and mathematical transforms necessary for image processing.
- To study the image enhancement techniques
- To study image restoration procedures.
- To study the image compression procedures.

Prerequisites	Co-requisites
BEC505-Digital Signal Processing	Nil

## **Course Outcomes (COs)**

CO1: Review the fundamental concepts of a digital image processing system.

CO2 : Analyze images in the frequency domain using various transforms.

CO3 : Evaluate the techniques for image enhancement and image restoration.

CO4 : Categorize various compression techniques.

CO5: Interpret Image compression standards.

CO6 : Interpret image segmentation and representation techniques.

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		Н				
CO2	Μ	Μ	Н				Н		L			
CO3	М	Н	М				М	М	М		Н	
CO4	Μ	Н			М				М	Н	М	
CO5		Μ			Μ	М	М		L		Μ	
CO6				М	Μ	Н	М					