COURSE OBJECTIVE AND LEARNING OUTCOME

M.Sc.(INFORMATION TECHNOLOGY) SEMESTER II

COURSE: PSIT204 IMAGE PROCESSING

S.No	Learning Objective	Learning Outcomes
1.	To Review the fundamental concepts of a digital image processing system	Understand the relevant aspects of digital image representation and their practical implications
2.	To Analyze images in the frequency domain using various transforms	Have the ability to design pointwise intensity transformations to meet stated specifications
3.	To Evaluate the techniques for image enhancement and image restoration	Students Understand the role of alternative color spaces, and the design requirements leading to choices of color space
4.	To Categorize various compression techniques	Students Understand 2-D convolution, the 2-D DFT, and have the abitilty to design systems using these concepts
5.	To Interpret Image compression standard, Interpret image segmentation and representation techniques	Have an understanding of the underlying mechanisms of image compression, and the ability to design systems using standard algorithms to meet design specifications