Roll No.												
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Department of Research & Development Mid - Term Examinations - SEPTEMBER 2024

Odd Semester : Ph.D. Course Work	Date: 28 /09/2024
Course Code: CSE5017	Time : 2:00pm – 3:30pm
Course Name: Machine Vision	Max Marks: 50
Department: CSE	Weightage: 25%

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 5 marks. 4Qx51								Qx5M=20M
1	Discuss in detail about image acquisition system.							
2	Explain the sampling and quantization of images with the help of a suitable diagram.							
3	Distinguish between smoothing and sharpening filters							
4	to define	conne	ctivity	in the	image	. Comp	be the set of gray level values used ute D4, D8 and Dm distances (ii) V = {2,6}	5 Marks
		2(p)	3	2	6	1		
		6	2	3	6	2		
		5	3	2	3	5		
		2	4	3	5	2		
		4	5	2	3	6(q)		

Part B

Ansv	Answer ALL Questions. Each question carries 15 marks.					
5	Explain Various key stages in Digital Image Processing with suitable diagram.	15 Marks				
6	Describe various Image Segmentation techniques and its application in details.	15 Marks				