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Department of Research & Development Mid - Term Examinations - SEPTEMBER 2024

Odd Semester : Ph.D. Course Work	Date : 27 /09/2024
Course Code: CSE806	Time : 2:00pm – 3:30pm
Course Name: Image Processing	Max Marks: 50
Department: PCSE &PSIS	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

Ansv	4Qx5M=20M	
1	Describe the use of smoothing filters in image processing.	5 Marks
2	Discuss different spatial filtering techniques and their effectiveness in removing noise from an image.	5 Marks
3	Explain the Discrete Fourier Transform (DFT) and its significance in image processing.	5 Marks
4	Explain the role of edge detection operators with example	5 Marks

Part B

Answ	QX15M=30M	
5	How do wavelet transforms contribute to image processing?	15 Marks
6	Discuss various thresholding techniques used for image segmentation	15 Marks