

PIMPRI CHINCHWAD EDUCATION TRUST'S  
**PIMPRI CHINCHWAD COLLEGE OF ENGINEERING**  
 Sector No. 26, Pradhikaran, Nigdi, Pune - 411044

Department Of Information Technology

Year and Course T. Y. B.Tech

PRN No.: 123B1F028

## INDEX

Sr. No.	Title	Page No.	Date	Signature	Remarks
1.	Read an 8 bit image and then apply different image enhancement tech. a) Brightness improvement b) Brightness reduction c) Thresholding d) log e) Power law transformation		11/07/2025		
2.	Read an image, plot its histogram then do histogram equalization. comment about result. Implement spatial & frequency domain filters.		25/07/2025	Pranav 29/08/25	
3.	Perform image Sampling & quantization on set of images & analyze the sample values in sampling process & find diff quantized levels		08/08/2025		
4.	consider set of image dataset with enough size of sample space to evaluate effect of noise models. Implement noise models like Gaussian, salt & pepper and impulse & generate their histograms.		29/08/2025	Pranav 8/10/25	

This is certify that Shri. Pranav Ravindra Harad has carried out the above mentioned FDIP Lab Practicals / Term Work in the Information Technology Department of Pimpri Chinchwad College of Engineering, Pune-44.

Date : 04/11/2025

*Pranav  
04/11/25*

Subject Incharge      Head of Department  
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H.O.D. Information Technology  
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5.	Perform contrast stretching of a low constraint image to enhance the image quality & compare their histogram. Perform hist. equalization to create uniform distribution of pixel intensities.		26/09/2025		
6.	Consider any image dataset containing noise/distortion etc. Apply filtering tech- & implement inverse & Wiener filter over the set of images for image restoration and comment on filtering effects.		03/10/2025	X P.Dhar 3/10/25	
7.	Implement Image compression using DCT transform & Huffman coding. Perform all these operation on image dataset & analyse the effect of lossy and lossless image compression. Suggest the suitable technique for image compression based on samples in dataset.		31/10/2025		

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*X P.Dhar  
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