Page No. ____5 Expt. No. 1.3 Aim: - Accessing RGB channel values of an >:. Read the image simage = imread ('C:\Users\ ctudenti\Downloads\ i3.jpg'): => /Entracting ROB Channel Values of image >> red-channel = image (isis 1)i >> green-(hamel = image (:,:,2); >> blue-channel = image (:,:,3); >> /. ploting the values of RGB channels >> subplot (2,2,1); imshow (image); title ('image'); >> Subplot (2,2,2); imshow (red-channel); title ('sredchannel); supplot (2,2,3); insthous (Hargreen-channel); title ('green-channel); > supplot (2,2, 4); imshow (blue-channel); title [' blue- channel');

Aim: To apply threshold function on an image

>> img = imvread ('C:) Users | Student | Downloads) (iffg');

>>1. Threshold function

>> bw = im2bw (ing);

>t-val= graythresh (ing);

>> fprintf("Threshold Value = 1/d', t-val); >> timg = im 2 bw (img, t-val);

>> J1= im2bw (ing, 0.5);

>> iz= im2 bu (hng, 0.7);

>> sub-flot (5, 1, 1); imshow (); title ('original');

>> subplot (5,1,2); imshow (bw); title ('Black & white);

>> supplot (5,1,3); imshow (I-ing); title ('Threshold');

>> subplot (5,1,9); inshow (t); title ('0.5 Threshold');

>> supplot (5, 1,5); imshow (te); title ('0.7 Threshold');

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4.	To opply Scaling rotation, and translate function on in an image.	
	spict = imread ('C:\Vsers\ student \ Downloads\i3. jeg');	
**	Protate Image = improtate (pic1,180); Scale Image = impresize (pic1, 3); Promotate Image = intermolote (pic1, [50,40]);	
>	supplot (3,1,2); imshow (pic1); title ('Original Image'); supplot (3,1,2); imshow (notate Image); title ('Irotated'); supplot (3,1,3); imshow (translate Image); title ('Translated	
3	figure (); imstrow (scale Image);	
	>> 1. translatetmage with fill value	
	sfigure (), im show (picl);	
	» translote fill value = imtranslote (pich [50, -50], fill value, 255);
	>> figure(), imshow (translate fill value);	
Magic	Teacher's Signature:	

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-	Sim:- Implement the linear Highly selective filters.	filtering using Convolution.
	myimage = invread ('C:\Users\ str myimage = rgb2 gray (myimage); subpliet (3,3,1); instrum (myimage); title ('Orig	inal Image's
	subplot (3,3,2); instrum (filting, ()) stitle (Out,	pat of Gaussian filter 3x2);
	>> orgfilt = [1;
		+; 1;
	>> aug filt mask = aug filt/sum (a convinage = conve (double (my	
	>> subplot (3, 3, 3); inshow (convince title (Average filter with a	ege,());
Magic	>> Subplot (3, 3, 4); 10000	ner's Signature

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THE REAL PROPERTY.	
	noisying = immoise (mysmage, 'Salt & Pepper', 0.5);
	noisying = immoise (mysmage, 'Salt & Pepper', 0.5); imshow (m noisying, [); title ('Noisy Image);
	supplot (3,3,5);
	>> mymed 3 imy = medfilt 2 (noisying, [33]); subplot (3,3,5); inshow (mymed 3 img, [)), title ('output of 3x3 Median filter');
	Pictuan fill of),
	>> my med 7 img = medfilte (noisying, (7.7));
	supplot (3,3,6);
	>> my med 7 img = medfilte (moisying, 67.7); supplot (3,3,6); inshow (mymed 7 ing, (3)); title ('output of 7x7 Median filter',
	>> h= [1 -2 -1; -1 05 -1; 1 -2 1]; hpt3 ξ = Conv2 (double (myimage), double(h));
	Supplot (2,3,7);
The state of the state of	inshow (hpt3/100), title ('Output of High pass filte
The same of	
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