,	Practical 1
	Alm - Displaying Grey Scale image
	Theosy
	MATINB Stands for Matrix Laboratory. It is a high-performance language that is used for technical Computing.
	Markwasks in the year 1984.
	3 7+ 8 Warten ? C. C++, Java 4 T+ allows matrix manipulation, Plotting of functions Proplementation of algorithm & Creation of User
	Interfaces
	Basic functions în MATLAB
	I cla: It Ps used to clean the Command Window.
	3 clear all: It is used to close all graphic window.
\parallel	4) Impead: The tunction leads images from the
\parallel	5) 2962 gray: It Convert the forecolor Prage RGB
	to the glayscale îmage
	6] Supplot (m, D,P) & It divides the chasent figure ? 100
-	an m-by-m good and Creates axes in the position specified by P.
-	Specific

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	Paachical 2
	Practical 2A
	APM - Bergyhtness Adjustment.
	Theory
	I The baitentness of an Prage depends on the value associated with the pixel of the image.
	Is added up Substracted from the intensity of
	If we add a positive Constant to all of the frage pixel values make image barightes. Increasing the barightness: g(m, n) = f(m, n) + k.
(J If we Subtract a Positive Constant from all of the pixel values to make the image darker Decreasing the brightness: g(m,n) = F(m,n) - K
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	Practical 2B
	Aim - Image Negation.
	Theosy
	I) It is also called as Inverse Transformation which Leverse light and dark.
	Dixer from the maximum pixer Value.
	For an 8 bit image the negative image can be obtained by reverse of grey level according to the transformation
	g(m, n) = 255 - F(m, n)
1	Megative images are useful in the display of medical images and Producing negative Phints
_	of Pringe
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	Pagetteal 3
	Practical 3A
	APm - Contrast Adjusting
1	Theory
	I Contract adjustment is done by Scaling all the
l	Observed the image by Constant K
	pixels of the image by Constant K $g(m, n) = F(m, n) * K.$
	g(m, n) = r(m, m) - r(m, n)
	2) changing the contract of an image changes the
	large of intensity values Pherent in the image.
	- zange g
	3] Specifying the value above one will increase the
	Contract by making bright samples more
	beighter and dark Samples more darker.
ί	I specifying the value below one will do the
	Levesse Operation.
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_	Practical 3B.
_	Alm
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_	Theory
_	Theesholding is required to extract a past of an image which Contains all information.
	Therebolding is a past of a more general Segmentation problem.
	3 Theresholding can be classified into 3 Hand Theresholding 99 Soft Theesholding
_	4) In Thresholding Pixels having intensity lower than the threshold I are set to zero and pixels having intensity greater than the threshold are set to 255 or left at their original intensity
	depending on the effect that is bequired.
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	Practical 3C.
	Arm - Grey level Slicing with background
	Theory
	The purpose of gley level slicing is to highlight a Specific lange of grey values.
	The objective is to display high values for the lange of interest & display the originals grey level values in other values.
	This apphoach preserver the background of the
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	Practical 3D
	Asm - Greey level Slicing without background.
	Theory
	This displays the high values for a large of interest of low values in the other areas.
	The main drawback of this approach is that the background information is discarded.
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	practical 4
	Am - Apply the following Image enhancement technique on a grey level Image.
	Practical 4A
-11	Arm - Power law transformation.
-11	Theory
Communication of the Communica	1) It is also known as Gamma Cossections.
11	The power law teans to smation is given by $g(m,n) = C * (F(m,n)^n gamma)$
3	Gamma values can either take Integer value
ų	the image appears to be a days ?
	cohen the value of and
	the image appears to be bright image.

	- TOTAL TRIBUTE VIII - TOTAL TOTAL TOTAL TOTAL TRIBUTE
	Practical 4B.
	Ain - Log teanstormation.
	hevry
	If The logarithmic transformation is given by $g(m, n) = c\log_2(F(m, n) + 1)$
9	This type of mapping Spheads out the lower gray levels.
3	For an 8 bit image the lower grey levels is zero and higher level is 255
11	
3	It is desinable to map 0 to 0 and 255 to 255.
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	NAGINDAS KITAND WILDIZ
	practical 5
	Am - weite a peogram to display a histogram
	Thereby Thereby Thereby Thereby Thereby Quality of an image so as to improve the visual quality of an image.
	occussences of grey levels in an image against the
	The histogram provider a Convient Summary of the Intensities in an image it is unable to provide any information with respect to Spatial relationship between pixels.
ų	The histogram of a dark image will be clustered to words the lower grey level.
	The histogram of a bright Prage will be churrened the towards the higher grey level
	For a low contract image the histogram curil space
17	For a high Contrarst image the histogram will have an equal Spread In the grey level.

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