

POORNIMA COLLEGE OF ENGINEERING

DETAILED LECTURE NOTES		
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Steps In	Image Braconing	Many Street Street
fundamental output of there is	Steps of Digital Insteps are generally de	rage fracening — stimed as kne knowning
	Multinesolution (omprer Porocessing 1)	
Image (2) Restoration	knowledge	Segmentation)
	private of	1
Enhancment (2)	Base	Representation 2 perculation
Image (1) Acquision &		Recognition
Acquirion Fil		*
moldery ?		-
Domain !		

1) Image Aguilion prom particular source. Without an image no processing is bossible. The image that is acquired is completely unprocessed 2) Image enhancement _ Image enhancement means adjusting digital images so that occasilt are more suitable for display or Jurther image analysis. Image enhancement means smightness, compast and summored of noise. 2) Image Restoration - Image Restoration defines Improving the appearance of an image In the orthon words operation of taking Carrieft (moiny image and estimating the clean, original image). +) color Image Powering - This part handles the image procening of colored images cither as endered imagen 2) Wavelets and multimerolution procening warelets are conall waves of limited duration which are used top
conall waves of limited duration which provides time nequely
calculate wovelet transform copyed provides time nequely
enformation. Waveloss displays in various degree of greatistic (6) Comprenien - Comprenien technique used to oreduce Storage inage to save or the bandwidth Irequire to Themsmit it

mosphological Image processing mosphological Image Brocessing set of operation that procen digital Image based on their shapes. Output of morphological



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PAGE NO.

processing genereally are mage attributes.

- 3) Segmentation It is the protent of boutitioning a digital image into multiple usegments. It involves dividing an image in stepient es image, each of which corresponds to specific object or fruiture in the image.
- 9) Representation & Description. Representation deals with converting the data into suitable from of computer processing. It is barically involved-
 - -> Boundary orepresentation It is used when
 the focus on external shake
 -> Regional prepresentation It is used when the
 focus on internal properties like tenture.
- to) Object Recognition. It is the procen that arrigared a label to an object based on description (Identification, color, Shape 4 size) and specify with Italian. label.