Significance of Sampling and quantization

in order to become suitable for digital procuring and image function (Cx, 9) must be digitalized both shatially and in simplified. Typical a from grallor or digitalizer is used sampler or quantized

· Sampling · quantization.

Sampling determines the spatiant resolution of digitalized unage where the quantization editormines the no of grey lines in the digitalized image.

A Hagnitude of lampted image is expressed as digital Value in image processing the transition between Continous relieve of the image function and its digital equivalence the number of quantization level should be high enough for human purception for fine shading details in the image

importance of houprocuring in understanding the digital amoge data unique operation on images at lower level of abstraction where both output and winful images are interest umages the important aim of preprocuring is to improve the dato that districts eliminate

2

the distortions and enhance image feature

Timoge Acquietter - the two unique acquisition is the first proces. Different types of emoge sensors are used to acquire on image and the Capability of the image

fre-proceeding: unique station fre-proceeding uniolice spection on emages at the lowest level of abstraction where both winhed and output one intensity images

Segmentation - Segmentation is one of the key facus in impage fracting. Image segmentation is the proude that subdivides an image into Constituent facility. Representation and description - Selecting a good representation is only part of the solution of transforming

Image representation

the representation of image can take many firm it repres to may that the imprimation that Colour is coded digitaly and image is slowed in structured image file. Several open or potent Standwrds are propured to Great manipulate slove and exchange digital images the file that discretis the format of image in the algorithm of image indocading such as compression as well as the format of addition information ofton right or mete data

Importance of Biometrice in current application. Biometrice is used to introct the hidden information in on obligated image using suitable for-proceeding techniques Banking - it is used to secogny the signalize of the horson. Airhort - to recognize hereor's identification Electronic voting - to recognize the horsoveroter ID Define rectore - to determine threats: of enemy. Secured transaction - used for online transactions Beometries is mostly relied to include hidden information imoge analyse and undorstanding in an weful.

Took for better society. = there are many application of image procueling un day bo day left-cutiet are given below. O bonking 3 Remole leneing 3 Survelionce and Security 9 Agriculture 1 bonking Document Verification

Remote Seneing

Taffic Monogement.

Remole Sensing

the remote eenerg predict and Collect the imprimation of any object without making physical contact.

Agriculture

the role of image proceeding that used to detection and removal and to closely fruits laved on lecture properlies

troffic management

To avoid vaccident Core by altering the Vehicle in Carry groads. Hanging troffic signals.