an 'Illumination' source & the suffection or absorbtion of energy from the source.

Depending on the Source - Illumination energy is afflected from or pannithed throw objects.

Example in first - Lifflet sterflected from
a planer surjuce

Example in second category - when X
gray pars through a pateint's body for

granerating a disonstic X-nay film.

+ The Stone principles sensor averangements used to transform Illumination energy into digital image.

1- single imaging sensor - Line sensor - Avray Sensor



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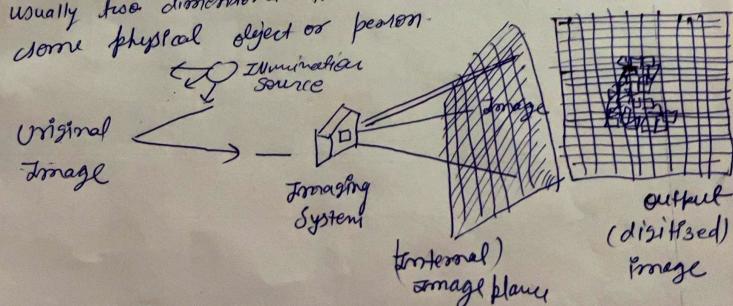
DETAILED LECTURE NOTES

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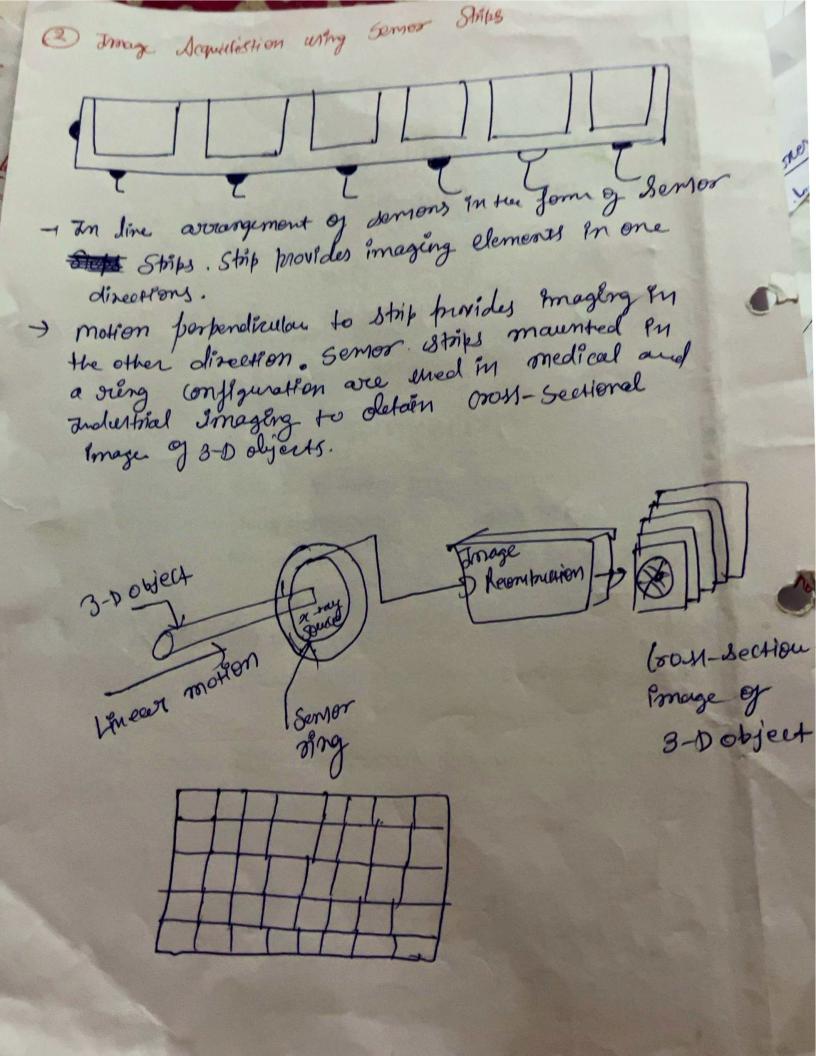
Image Acquisition -

- · The process of capturing real-world mages and Starling them in competer
- · Requires Image Sensons that convert photons to
- · Divital amagi formation An Image is an artifact usually two dimensional that has similar appearance to

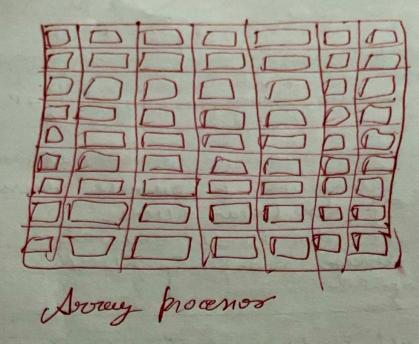


In example of the digital Image arguisition procent of the Scene onto the Image Image of the Scene onto the Image plane (1) Digitized image.

what is Image Acquirition? In anage processing, it is defined as the action of the desire an among from same source, usually a hardware-bared source for processing. It is first steps in the workflow sequence because, without an image completely is possible. The image that is acquired if the image that is acquired if the image that is acquired if Combination of infut electrical cooper and sensor material energy being defected. 1) Image Acquestion using Single Semon Energy 4 6 64 H ouring hollage wavelet out. auple of single senor is abdide Robetton Require two direction. Linear motion Illumination (Energy) output digitized) Sume Internal) mage Clement amagl plane



(3) Image Sequisition using a away sensor



John & not required for array semoors.

The energy without motion.

I Need to bring object just front of it and it