Assignment, !

module 1

- 1) Explain the components of a general Purpose image Processing System with a neat block diagram
- 2 Define i) m adjacency and ii) Do Distance.
- 3 Explain the Processing of image acquisition using Circular sensor Strip.
- 6 Explain the Process of image Sampling and quantization.
- Mention the application of image Processing.
- 6 Briefy explain the following terms:
 - 1) Heighbours
 - ii) Path
 - iii) connectivity of fixels.
- F with the help of a block diagram, explain the fundamental steps in tigital image fracessing.
- 8 How is image acquired using a single sensor? Discuss.

module 2

- 1) Compare histogram equalisation, histogram specification & Contrast stretching with
- 2 Elaborate Hit or Miss transform with example. Differentiate between image enhancement and restoration.
- 3) Write Short note on Image noise models.
- 9 Justify the following Statement Histogram is a unique representation of an
- 5 Explain the following terms: 1) Log transformating eig Bit Plane Slicing iv) Masking with or operation v) I mage Averaging
 - with necessary graphs, explain the following Statial image enhancement operations.
 - i) Image negative
 - (i) Log transformation.
 - ?ii) Power law transformation
 - (s) contrast stretching.
 - (7) what is histogram matching? Explain the development and implementation of the method.
 - Explain Some of the widely used gray-level transformations.