

**Department of Electronics & Communication Engineering
Faculty of Engineering, Integral University, Lucknow**

Assignment Sheet 1

Digital Image Processing (EC-024)

Due Date : **30-01-2014**

Problems : **5**

- Q1.** What do you mean by digital image processing. Give block diagram of image processing system.
- Q2.** What do you mean by image digitization, write down Scan-In and Scan-Out digitizing technique in detail.
- Q3.** Explain the characteristic of image digitizer. An image is 3600 pixel wide and 2400 pixel high. The image is scanned at 300 dpi. What is the physical size of image.
- Q4.** Explain one dimensional and two dimensional sampling.
- Q5.** Write down various image processing software . Explain software development process .

Do the Assignment on A-4 sheet only. Use both side of the page

After the last date of the submission, assignment will not be accepted and zero marks will be allotted to the student who fails to submit the assignment on due date.

For help student can take reference reading of the book Digital Image Processing by

Kenneth R. Castleman/ PHI and Digital Image Processing by **Gonzalez & P. Wint**