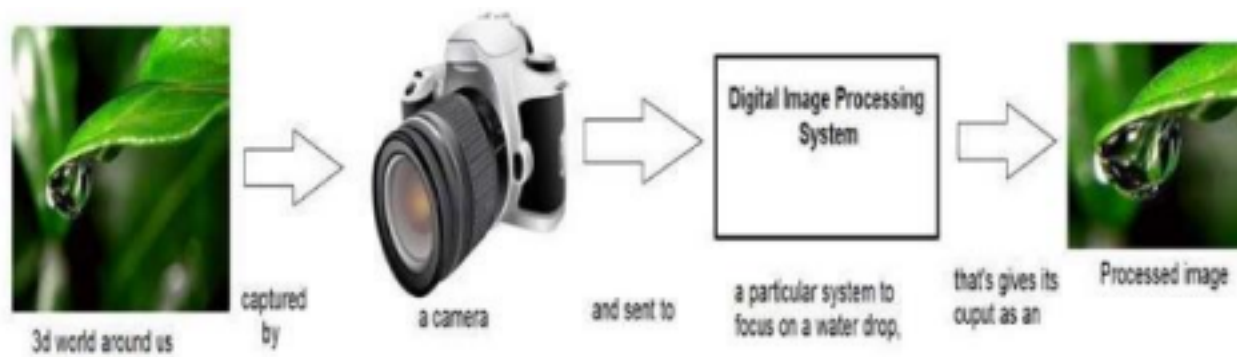# BASIC CONCEPTS OF IMAGES

WHAT IS AN IMAGE?

- Two-dimensional function f(x,y)

where x,y –> coordinates for a point in a plane

f-> intensity or gray level of the image at that point.

WHAT IS IMAGE PROCESSING?

- Technique that processes an image and converts it into a digital form by executing certain operations on it to get improved image or to retrive certain useful data.

- Includes following techniques:-

    Image enhancement

    Image Restoration

    Image Compression
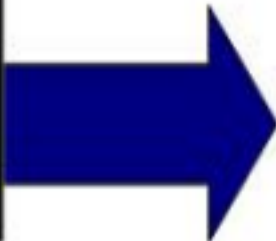
    Color Image processing

Image Segmentation

Image Enhancement Image

Restoration

Image Segmentation