

An Approach for Representation of the Digital Image Processing and Pattern Recognition

*Dr. K. Anuradha and S. Mallikarjuna Rao**

Department of Computer Science and Engineering, Dr. L. Bullayya College of Engineering,
Visakhapatnam, AP, INDIA

KEYWORDS

DIP;
Pattern
Recognition;
2-D;
Pixels;
Algorithms;

Abstract: *This paper presents an approach for representation of the digital image processing and pattern recognition. Digital image represents a two-dimensional array or grid of points in the form of pixels. The position of a pixel is given in the common notation for matrices. The arrangements of pixels represented as triangular, rectangular, hexagonal grids. Two-Dimensional Signal Analysis is represented as unit impulse and unit step. Sample Algorithms for Image Processing and Pattern Recognition such as Contouring Algorithm, Thinning Algorithm, Corners Detection, Lines Detection and Curves Detection are explained in detailed.*