

Medical:

- 1). Leukocyte Segmentation and Counting Based on Microscopic Blood Images Using HSV Saturation Component with Blob Analysis
- 2). Semi-Automatic Lymph Node Segmentation and Classification using Cervical Cancer MR Imaging
- 3). Active Contours Based Segmentation and Lesion Periphery Analysis For Characterization of Skin Lesions in Dermoscopy Images
- 4). Delineation of carpal bones from hand X-ray images through prior model, and integration of region-based and boundary-based segmentations
- 5). Segmentation of optic Disk and Cup in Fundus Images using Maximully Stable Extremal region

Agriculture:

- 1). Analysis of morphology-based features for classification of crop and weeds in precision agriculture
- 2). Classification of Crop Lodging with Gray Level Co-occurrence Matrix
- 3). Expert System for Diagnosis Mango Diseases Using Leaf Symptoms Analysis
- 4). Semi-automatic leaf disease detection and classification system for soybean culture
- 5). Classification on Passion Fruit's Ripeness using K-Means Clustering and Artificial Neural Network
- 6). Recognition of Ripe, Unripe and Scaled Condition of Orange Citrus Based on Decision Tree Classification

Biometrics:

- 1). Biometrics Detection and Recognition Based-on Geometrical Features Extraction

- 2). A Novel Face Detection Approach using Local Binary Pattern Histogram and Support Vector Machine
- 3). An Iris Recognition Algorithm for Identity Authentication
- 4). Hybrid robust iris recognition approach using iris image pre-processing, two-dimensional gabor features and multi-layer perceptron neural network/PSO
- 5). Weighted Hybrid Fusion for Multimodal Biometric Recognition System

Image Enhancement:

- 1). Hue preserving-based approach for underwater colour image enhancement
- 2). Effective image enhancement techniques for fog-affected indoor and outdoor images
- 3). Automatic Contrast Enhancement of Complex Low-contrast Images
- 4). Contrast Enhancement of Low-light Image Using Histogram Equalization and Illumination Adjustment
- 5). A Framework for Outdoor RGB Image Enhancement and Dehazing
- 6). An Improved Visibility Enhancement Method for Foggy Images

Industrial Automation:

- 1). Fabric Defect Detection Based on Biological Vision Modeling
- 2). New Procedure for weld defect detection based Gabor filter
- 3). Research on Edge Defects Image Recognition Technology Based on Artificial Neural Network
- 4). Using Gray-Level-Co-Occurrence Matrix and Wavelet Transform for Textural Fabric Defect Detection
- 5). Maturity Analysis of Citrus Based on machine vision and Android Mobile platform Technology

6). An Algorithm for Concrete Crack Extraction and Identification Based on Machine Vision

7). Diagnosis of Astrocytoma and Globalastom Using Machine Vision

