Abstract

The paper presents a Feed-forward back-propagation Artificial Neural Network (ANN) model for detection of breast cancer using Image Registration Techniques. Gray Level Co-occurrence Matrix (GLCM) features extracted from the known mammogram images are used to train the ANN based detection system. The ANN based detection system will be investigated for different number of neurons and layers on the basis of Mean Square Error (MSE) and optimum number of neurons and layers will be chosen.

References

- Manjusha P. Deshmukh & Udhav Bhosle, "A survey of image registration"
Optimization of Artificial Neural Network Breast Cancer Detection System based on Image Registration Techniques


Index Terms

Computer Science Image Processing

Keywords

Artificial Neural Network Image Registration Techniques Mammogram.