Abstract

In this paper, we propose a cloud based decision support system for screening breast cancer using digital mammograms. The proposed system is deployed in a private cloud as software / infrastructure as a service. The combination of image enhancement techniques, feature extraction techniques, feature selection techniques, ensemble neural networks for classification, results verification process and deployment in the private cloud are added advantages for effective performance of the system.
REFERENCES


INDEX TERMS

Computer Science
Image Processing

KEYWORDS

Breast Cancer  Digital Mammograms  Neural Networks  Ada Boost  Feature
Extraction  Feature Selection

Cloud Computing