Abstract

Image-processing is a demanding field that includes various applications such as CT-scan, angiography, MRI etc. MRI is the standard non invasive skill used for analyzing, diagnosing and treating the abnormal tissues. In the proposed method for improving the contrast we utilized enhancement techniques. For skull striping adaptive thresholding and morphological operations are being employed. For extraction of features we employed GLRLM. Further we applied some techniques such as linear-SVC, decision tree and SVM for classifying the brain MRI images. SVM provided effective and accurate results among all the classifiers.

References


4. Sahar Ghanavati and Junning Li “Automatic Brain Tumor Detection In Magnetic Resonance Images”, International Conference on Medical Imaging, University of Toronto, Canada.


Index Terms

Computer Science  Image Processing
Keywords

Magnetic Resonance Imaging, Gray-Level Run Length Matrix, Brain Tumor, Segmentation, Morphology, SVM Classifier.