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A SURVEY ON BRAIN TUMOR DETECTION USING IMAGE PROCESSING TECHNIQUES



ABSTRACT

- Biomedical Image Processing is a growing and demanding field
- It comprises of many different types of imaging methods likes CT scans, X-Ray and MRI
- These techniques allow us to identify even the smallest abnormalities in the human body
- The primary goal of medical imaging is to extract meaningful and accurate information from these images with the least error possible
- Out of the various types of medical imaging processes available to us, MRI is the most reliable and safe.



CONTINUE

- Out of the various types of medical imaging processes available to us, MRI is the most reliable and safe
- Tumor Segmentation includes the use of several different techniques
- The whole process of detecting brain tumor from an MRI can be classified into four different categories: Pre-Processing, Segmentation, Optimization and Feature Extraction

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EXISTING SYSTEM

- It comprises of many different types of imaging methods likes CT scans, X-Ray and MRI
- These techniques allow us to identify even the smallest abnormalities in the human body

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PROPOSED SYSTEM

- Tumor Segmentation includes the use of several different techniques
- The whole process of detecting brain tumor from an MRI can be classified into four different categories
- Pre- Processing, Segmentation, Optimization and Feature Extraction

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HARDWARE REQUIREMENTS

- Processor - Intel
- Speed - 1.1 Ghz
- RAM - 256 MB(min)
- Hard Disk - 20 GB
- Monitor - SVGA

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SOFTWARE REQUIREMENTS

- Tool - MATLAB R2012
- Operating system - Windows Xp, 7

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REFERENCES

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