BANGALORE INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Batch no : B-31

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Title : Brain Tumor Detection using Image Segmentation

Abstract:
Brain tumor at early stage is very difficult task for doctors to identify. MRI images are more prone to noise and other environmental interference. So it becomes difficult for doctors to identify tumor and their causes. So here we come up with the system, where system will detect brain tumor from images. Here we convert image into grayscale image. We apply filter to image to remove noise and other environmental interference from image. User has to select the image. System will process the image by applying image processing steps.

We applied a unique algorithm to detect tumor from brain image .But edges of the image are not sharp in early stage of brain tumor. So we apply image segmentation on image to detect edges of the images. In this method we applied image segmentation to detect tumor .Here we proposed image segmentation process and many image filtering techniques for accuracy. This system is implemented in mat lab.

Name and Signature of Guide:

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