

## **A REVIEW ON AUTOMATIC BRAIN TUMOR DETECTION**

*The project intends make a review on automatic brain tumor detection and classification. Detection and segmentation of brain tumor is very important as it provides anatomical information of normal and abnormal tissues which help in treatment planning and patient follow up. Medical image segmentation is a method of extracting the desired parts and features from the input medical data. Image segmentation locates object segmentation and boundaries within image and segmentation process is stopped when the region of interest is separated from the input image. There are number of techniques for image segmentation. This paper emphasis on a comparison of two segmentation algorithms for segmenting brain tumors from MRI images. The tumor area is identified using K-Means and Fuzzy C. Means algorithms and a comparative method for these methods is done using execution time and PNSR. Tumor classification is done using Feed Forward Neural Network. A GUI is developed to make the system more user interactive.*