

ABSTRACT

Liver cancer is one of the world's largest causes of death to humans. It is a difficult task and time consuming to identify the cancer tissue manually in the present scenario. The segmentation of liver lesions in CT images can be used to assess the tumor load, plan treatments predict, and monitor the clinical response. In this project, the Gabor transform based Convolutional Neural Network (GT-CNN) has been proposed for liver tumor segmentation, which has been modeled mathematically to resolve the current issue of liver cancer. This propose work is tested on the Liver CT dataset images to validate the effectiveness of the proposed method. The simulation results of this proposed work is compared with other conventional methods for liver tumor detection.