

Abstract

In recent times, skin cancer is seen as one of the dangerous forms of cancer, skin cancer is found in various types such as melanoma. Detection of melanoma in the early stages can help in the healing process.

Computer Vision can assist doctors in diagnosing and has been proven by many existing systems. In this final project the author uses ABCD rule. The system will extract the asymmetry, border, color, and different structure features according to the ABCD rules of the input the system receives.

The results of feature extraction will be used to classify the input as normal skin or include melanoma. The system built can classify melanoma and non-melanoma with an accuracy rate of 66.8%.

Keywords: Melanoma, ABCD Rule, Extraction, asymmetry, border, color, different structure.