

Diagnosis of Skin Cancer Based on Image Processing Using Machine Learning

Snehal Vijay Kamble¹ and Dr. P. R. Gumble²

Final Year Student, M.E. Digital Electronics¹

Associate Professor, Department of Electronics and Telecommunication Engineering²
Sipna College of Engineering & Technology, Amravati, India

Abstract: *In a human body, skin is the core part, which helps to cover the muscles, bones what's more with the entire body. These days numerous people are suffering from skin cancer. Malignant melanoma is the deadliest form of skin cancer. The most serious type of cancer is Melanoma, which is the enormous type of skin malignant growth and the extent of these skin cancer is increasing day by day. Melanoma can be easily treatable if detected in early stages. Clinical as well as automated methods are being used for melanoma diagnosis. Image-based computer aided diagnosis systems have great potential for early malignant melanoma detection. Recognizing the type of skin cancer automatically from the images can assist in the quick diagnosis and enhanced accuracy saving valuable time. This paper presented the automated diagnosis of skin cancer from input digital image by analyzing image using Image Processing techniques with applying intelligence using Machine Learning. The simulation and analysis of performance of proposed system is carried out using MATLAB Software.*

Keywords: Skin Cancer, Skin Lesion, Melanoma, Image Processing, Machine Learning

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