

G.Narayanamma Institute of Technology & Science

(For women)

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(An ISO 9001:2015 Certified Institution)

Shaikpet, Hyderabad – 500 104

Department of Computer Science & Engineering



**TITLE: SKIN DISEASES DETECTION USING IMAGE
PROCESSING AND MACHINE LEARNING**

CLASS & SECTION: CSE-B

YEAR& SEMESTER: II-B.Tech II Semester

**BY
BATCH-17**

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ABSTRACT

Skin diseases have a serious impact on people's life and health. Current research proposes an efficient approach to identify singular type of skin diseases. It is necessary to develop automatic methods in order to increase the accuracy of diagnosis for multitype skin diseases. Composed of epidermis, dermis, and subcutaneous tissues, skin is the largest organ of human body. The skin can protect multiple tissues and organs in the body from external invasions including artificial skin damage, chemical damage and individual's immune system.

We propose approach to skin disease detection method based on image processing techniques. This approach has been developed for diagnosis of skin disease. In this article we are proposing a method that uses different types of image processing algorithms for feature extraction and feed forward artificial neural network for training and testing purpose. The system works on two phases- first pre-process the colour skin images to extract significant features and later identifies the diseases. The system is built on a machine learning model and will try to successfully detect different types of dermatological skin diseases with a satisfactory accuracy rate.

SYSTEM REQUIREMENTS:

Software Requirements:

Platform	-	Windows
Front End	-	HTML, CSS
Development Tool	-	Python
Back End	-	Python

Hardware Requirements:

Name of the Processor-		intel CORE i3
Hard Disk Capacity	-	512GB
RAM Capacity	-	4GB