

A
Project Report

On

**SKIN DISEASE DETECTION AND CLASSIFICATION
USING DEEP LEARNING**

Submitted to

Department of
Computer Science and Engineering

By

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Under the guidance

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled “**SKIN DISEASE DETECTION AND CLASSIFICATION USING DEEP LEARNING**” is submitted by DARNA ABHIGNA(206Y1A6614), DONALA SAMANVI(206Y1A6616), CHERALA NIKHITHA(206Y1A6609) and GOURU NIKSHITHA(206Y1A6620) to the department of Computer Science and Engineering during academic year 2022-23.

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ABSTRACT

Skin Diseases effectively influence all the parts of life. Skin disease is the most common health problems in worldwide. This disease is common in humans, millions of people are suffering from various kinds of skin diseases. Human skin is one of the difficult areas to predict. There are many reasons that cause problems in skin due to carelessness in maintaining skin, restlessness, usage of some products that may not be adjusted to the skin or due to some infections.

Usually changes in climate gives more impact on the skin leads to some issues. Hence correct maintenance or testing accurately what kind of issues happened in the skin is very important. The patient provides an image of the infected area of the skin as an input to the prototype performed on this image and the detected disease is displayed at the output. It is accessible even in the remote areas and it is completely non-invasive to patient's skin through digital devices.

A method is proposed that uses a computer vision-based techniques to detect various kinds of dermatological skin diseases. It is a prototype with a data base of six common skin diseases, using which a patient can self-diagnose and get some prior knowledge of their skin disease before consulting a dermatologist. This prototype can be used in mobile hospitals in rural areas. These days everybody is connected through mobile phones. Thus, this prototype can be accessed even in the most remote locations in the country.



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