VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A PROJECT REPORT ON

"SKIN DISEASE DETECTION USING DEEP LEARNING"

Submitted in partial fulfillment for the award of Degree of,

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

By

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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

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CERTIFICATE

This is to certify that the project entitled **"SKIN DISEASE DETECTION USING DEEP LEARNING"** has been successfully completed by

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the bonafide students of **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2019–2020. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Ms. Shruthi Shetty J	**Dr. Manjunath Kotari**	**Dr. Peter Fernandes**
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1. Dr. Manjunath Kotari	
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ABSTRACT

The project proposes a skin disease detection method based on image processing technique. This method is completely non-invasive to patient's skin. The patient provides an image of the infected area of the skin as an input to the prototype. Image processing techniques are performed on this image and the detected disease is displayed at the output. There are many reasons that cause problems in skin it includes carelessness in maintaining the skin, restlessness, usage of some products that may not be adjusted to the skin or due to some infections. Usually changes in climatic conditions 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 proposed prototype provides a non-invasive method of skin disease detection where the patient provides a picture of the infected area as an input to the prototype and any further analysis is done on this input image. No pricking or prodding of the skin is required.