FINAL DELIVERABLE

PROJECT TITLE : AI-based localization and classification of skin disease with erythema.

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PROJECT LINK:

https://github.com/IBM-EPBL/IBM-Project-31124-1660196395

ERYTHEMA DEFINATION :

Erythema, any abnormal redness of the skin. Erythema is caused by dilation and irritation of the superficial capillaries; the augmented flow of blood through them imparts a reddish hue to the skin. Erythema may arise from a great variety of causes and disease conditions. Blushing is a transient form of erythema.

PICTURE :

PRE-REQUISITES :

1). Install Python IDE.

2). Install Python package.

ANNOTATE IMAGE :

1). Vott 1.

2). Vott2.

3). Vott3.

4). Vott4.

CLOUDANT DB :

Register & Login To IBM Cloud.

APPLICATION BUILDING :

Build HTML page.

Build Python code.

PROJECT PLANNING PHASE :

Milestone & Activity list.

OUTPUT :

Problem Statement

Now a day's people are suffering from skin diseases, More than 125 million people suffering from Psoriasis also skin cancer rate is rapidly increasing over the last few decades especially Melanoma is most diversifying skin cancer. If skin diseases are not treated at an earlier stage, then it may lead to complications in the body including spreading of the infection from one individual to the other. The skin diseases can be prevented by investigating the infected region at an early stage. The characteristic of the skin images is diversified so that it is a challenging job to devise an efficient and robust algorithm for automatic detection of skin disease and its severity. Skin tone and skin colour play an important role in skin disease detection. Colour and coarseness of skin are visually different. Automatic processing of such images for skin analysis requires quantitative discriminator to differentiate the diseases. To overcome the above problem we are building a model which is used for the prevention and early detection of skin cancer, psoriasis. Basically, skin disease diagnosis depends on the different characteristics like colour, shape, texture etc. Here the person can capture the images of skin and then the image will be sent the trained model. The model analyses the image and detect whether the person is having skin disease or not.

Proposed Solution

Different skin disorders can be detected by just submitting photographs, and this approach is quite effective at helping people in the community identify ailments earlier. Our return on investment will be the creation and distribution of a proprietary product that will be used as a solution. This system is more scalable because it accepts any picture type, regardless of resolution, and offers good performance in any situation.