SKIN DISEASES IDENTIFICATION USING IMAGE ANALYSIS

TEAM-02
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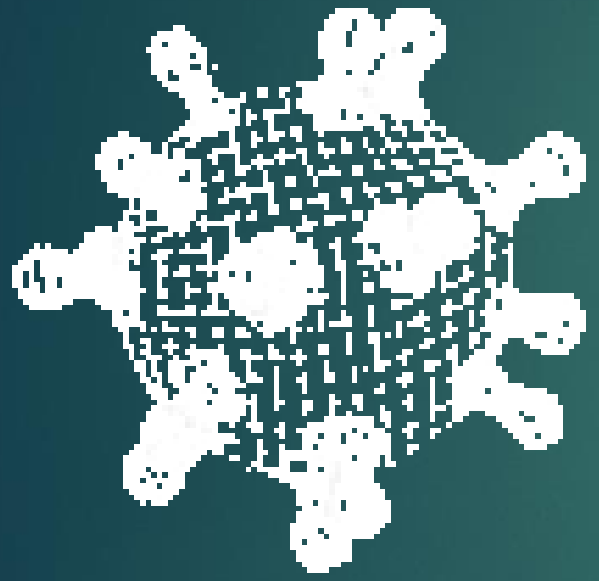
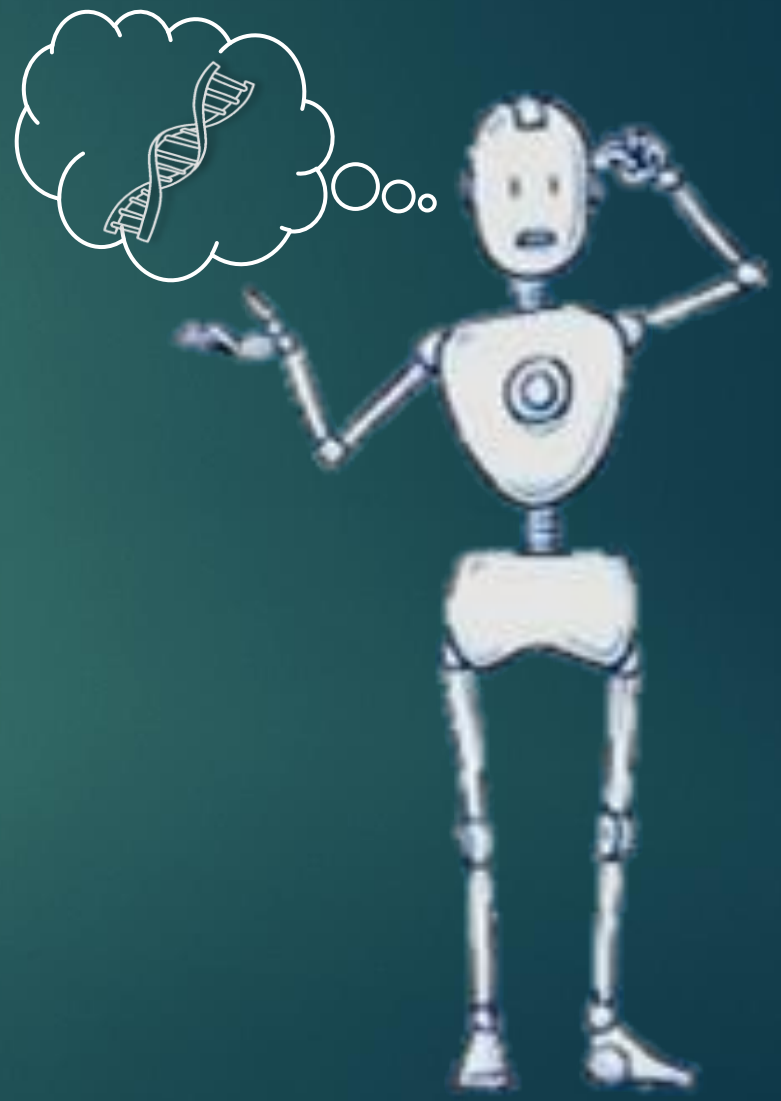
Introduction



- There are hundreds of skin diseases that affect humans.
- If skin diseases are not treated at earlier stage, then it may lead to complications in the body including spreading of the infection from one individual to the other.
- This can be prevented by investigating the infected region at an early stage by using the “skin diseases identification through image classification”.

Problem

- Now-a-days people are suffering with many skin diseases which leads to unexpected loss.
- To over come this, we are using CNN Model which predicts the type of skin diseases.



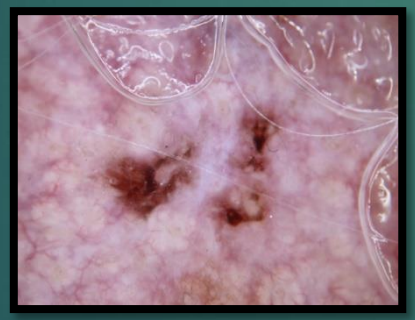
Solution

- By using this CNN Model, one can get a clear idea about the type of skin diseases they are suffering from.
- It is used for the prevention and early detection of skin diseases .
- Thus, it can help people in curing their skin problems and get a good results without any side effects.

Efforts

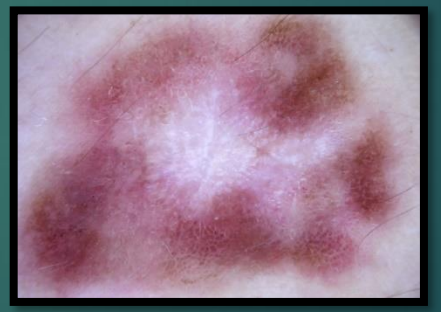
- This model uses Deep Learning algorithms to identify different types of skin diseases irrespective of skin color.
- It provides a high-quality dataset of images containing skin diseases.
- The following skin diseases are included :

Seborrheic Keratosis

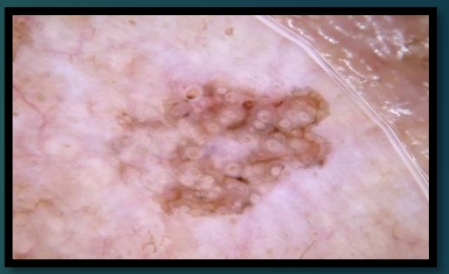


Squamous Cell Carcinoma

Melanoma



Dermatofibroma



Actinic Keratosis

Conclusion

- The main role of this research is to verify the hypothesis that skin disease data can be extricated utilizing integration of vision-based procedures and deep learning algorithms.
- By implementing deep learning algorithms, we are able to predict diseases with a higher accuracy level of 91%.
- This proves that deep learning algorithms have a huge potential in the real world skin disease diagnosis.

Thank You