LITERATURE REVIEW

[1] Ha Min Son, Wooho Jeon1, Jinhyun Kim, ChanYeong ,HeoHyeJinYoon(2021) have proposed a paper titled “AI-based localization and classification of skin disease with erythema”. The method computer-aided diagnosis (CAD) is used to improve the quality of diagnosis. This study shows that CAD may also be a viable option in dermatology by presenting a novel method to sequentially combine accurate segmentation and classification models. Given an image of the skin, we decompose the image to normalize and extract high-level features. Using a neural network-based segmentation model to create a segmented map of the image, we then cluster sections of abnormal skin and pass this information to a classification model.

[2] Leelavathy S, Jaichandran R, Shobana R, Vasudevan, Sreejith S Prasad and Nihad Department of Computer Science and Engineering(2020), have proposed a title “Skin disease detection using computer vision and machine learning technique”. This paper proposes a skin disease detection method based on image processing and machine learning techniques. 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 feature values are extracted and the classifier model predicts the disease. The proposed system is highly beneficial in rural areas where access to dermatologists are limited.

[3] Zhe wu, Shuang Zhao, Yonghong Peng, Xiaoyu He, Xinyu Zhao(2019), has presented paper under a title “Studies on Different CNN Algorithms for Face Skin Disease Classification Based on Clinical Images”. Skin problems not only injure physical health but also induce psychological problems, especially for patients whose faces have been damaged or even disfigured. Using smart devices, most of the people are able to obtain convenient clinical images of their face skin condition. On the other hand, the convolutional neural networks (CNNs) have achieved near or even better performance than human beings in the imaging field.

[4] Simarjeet Kaur , Jimmy Singla, Lewis Nkenyereye, Sudan Jha, Deepak Prashar , Gyanendra Prasad Josh (2020), have investigated a paper titled "Medical Diagnostic Systems Using Artificial Intelligence (AI) Algorithms: Principles and Perspectives" This paper proposes ANN provides decisions regarding healthcare at rapid speed wherein the systems can collect data, understand it, and detect pieces that will play a vital role in prediction. This research paper aims to reveal some important insights into current and previous different AI techniques in the medical field used in today's medical research, particularly in heart disease prediction, brain disease, prostate, liver disease, and kidney disease.

[5] Saja Salim mohammed and Jamal Mustafa Al-Tuwaijari(2021) have presented paper under a title "Skin Disease Classification System Based on Machine Learning Technique" . This research paper contributed to the penetration in the field of data processing of patients with skin diseases and methods of classification of diseases after extracting a set of clinical and histological features or so-called (bioinformatics) and collecting the research conducted by researchers within this framework using different machine learning algorithms, in addition to the classification methods that It relies on computer vision to images the skin.

[6] Keshetti Sreekala ,N. Rajkumar ,R. Sugumar, K. V. Daya Sagar , R. Shobarani ,K. Parthiban Krishnamoorthy ,A. K. Saini,H. Palivela and A. Yeshitla have proposed a paper under a title "Skin Diseases Classification Using Hybrid AI Based Localization Approach". This method is implemented the multi-resolution-tract CNN with Hybrid pretrained and skin-lesion trained layers, the multitrained skin classification using the multiple hybrid analysis of the skin texture classification, thus the result of this analysis gives that the enhanced results when compared to the existing technique.

[7] K.Melbin , Dr.Y.Jacob Vetha Raj published paper under a title "Review on Skin Disease Detection using Machine Learning". This survey reviews various techniques such as ANN, KNN, CNN, Data mining-based approaches and Image processing-based approaches. These approaches show the significant change in terms of accuracy, time and complexity over the years. Thus we have planned to

propose Deep Neural Networks in future to classify the type of skin cancer. Therefore, an automatic classification of skin related disease can be detected using DNN based approach. Also by using this innovative technique the system can able to enhance the accuracy also it reduce the time and complexity during identification of skin diseases.

[8] Viswanatha Reddy Allugunti(2021) proposed paper under a title “A machine learning model for skin disease classification using convolution neural network”. In order to address the major three aims in the field of skin lesion image processing, the author of this study utilised two different deep learning algorithms, namely the Lesion Feature Network (LFN) and the Lesion Indexing Network (LIN). The strategy that has been suggested is based on CNN, and it is possible to think of it as an effective method of multiclass categorization