Spreading rate of the dermatological diseases is increasing day by day. Most skin diseases are very dangerous, if the diseases are not treated at the early stage. Some people treat the skin diseases by using the own methods. However, if the methods are not suitable for those diseases it would be most difficult to cure the diseases. People use various kinds of computerized system to evaluate the risk of the diseases by own. Therefore “Skidec” is going to be implemented to let know the users about the dermatological diseases. One of the main component which is going to be used in the system is image processing technique. The image of skin disease is taken and it must be subjected to various preprocessing for noise eliminating and enhancement of the image [2-Vithushiyan]. Data mining technique is also going to be used in the system. The users can get awareness, and predict the affect the disease in future from data mining technique. Knowing the condition of the dermatological disease is help to cure and prevent from escalating. The user can identify the level of dermatological disease by applying the classification algorithm [2-Kaspa anna]. The system will also scrap web pages that related to dermatological disease from known or system verified websites. The content analyzes based on machine learning process especially using neural language processing (NLP). “Skidec” will help the user to identify the skin diseases and give a summarized view of the particular skin disease.