

Title: SKIN INFECTION DETECTION IN ANDROID USING IMAGE PROCESSING

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ABSTRACT

Nowadays, it is common for us to see almost people using and playing with smartphones and tablets. With accordance to this, the researchers came up with a study and proposed a mobile application this Skin Infection Detection to help the people to determine what kind of skin infection they have like impetigo, folliculitis, ecthyma, erysipelas and cellulitis and necrotizing fasciitis and to have knowledge on how to cure and prevent skin infection. It can also give information about some several infections of the skin and its symptoms. Aside from that, the application has the ability to notify if the skin infection needs to recommend to the Dermatologist. The application will provide series of activities such as; infection list, gallery, infection, camera, infection captured, GPS tracking for the nearest dermatologist, accuracy percentage, source of information, and user profile which will help the user to be more knowledgeable about the status of the acquired skin infections they have. The researchers proposed a mobile application that can detect most skin infection of the individual in order for them to be more aware in their health status specifically in their skin. The infected skin must be captured in order the system to detect the captured image of the infected skin then the system will scan the captured image. To clearly identify the infected skin of the user, the user must use the crop to button to crop the image or to focus the image of the infected area of the skin. Then automatically, the system will post the signs and symptoms, diagnosis, and a treatment of the skin infected area.

Keywords: Skin infection, Detector, Skin inflammation, Image processing, Symptoms, most infection, notify skin infection, Cure and Prevent skin infection.