

“ SKITHY-” An application for skin and thyroid care

ABSTRACT:

One of the major issues we face during this pandemic is visiting hospitals. Though everything is back to normal, getting appointments and visiting hospitals is still a great concern for most of us. Sometimes even a small thing like skin rash can lead to major health issues. So most of us wish to treat any health related issues immediately. The greatest health concerns recently are fluctuated thyroid levels, diabetes, blood pressure etc. Around 10-20% of adults die every year due to thyroid storm and hyperthyroidism. Majority of the Indian women have hyper and hypothyroidism. But due to non seriousness and lack of knowledge about thyroid issues, they neglect to take care of their thyroid levels. A platform to take care of their diet and thyroid levels without involving doctors at home can help them know their thyroid levels and the diet they have to follow. The next concern we have is skin related issues due to pollution and various other environmental factors. Since skin is prone to diseases easily, utmost care has to be given for skin. The solution we provide for all these issues is “SKITHY” (Skin and Thyroid), a mobile application for taking care of skin and endocrine gland (thyroid) which acts as a personal medical assistant.

OUR SOLUTION:

“SKITHY”:

“Skithy” is going to be a health related mobile application. It is going to act as a personal medical assistant. This application acts as a bridge between Doctors, especially Dermatologists and Endocrinologist, and the regular app users or patients. This app involves separate login modules for Doctors and patients. The Doctors have to sign up for the first time using their certificates for creating an account. Once their account is verified, they can login using their credentials next time. Similarly the patients can sign up using their mobile number or email ids.

MODULES INVOLVED:

The modules involved in this application are :

- Thyroid care
- Chat with a Doctor
- Get online consultation from a Doctor
- Skin care
- Online prescription

Thyroid care module:

The thyroid care module helps the patients to check their thyroid levels if it is normal or not by uploading their thyroid test reports without involving a Doctor. There will be an option for the patients to upload their thyroid reports. Using deep learning, the thyroid levels will be predicted as if it is normal or not and the diet suggestions will be provided accordingly. This module will be really useful for women to take care of their health and will be easy for them to track their diet and thyroid levels.

Chat with a Doctor module:

This module provides a way for the patients to choose a specialist or Doctor and get suggestions from them through chat. The chat option is provided since most of us prefer chat over video consultations.

Get online consultation module:

This module helps the patients to get online consultation from a Doctor through video call. All the Doctors available for video call at that particular time will be shown and the patient can choose their Doctor to get consultation.

Skin care module:

This module helps the patients to identify the type of skin issues they have. They can upload the picture of the skin got affected and get to know if it is a serious skin condition or not. It will be predicted through deep learning. Nowadays we get plenty of skin related issues and it will be of great help to identify the issue and identify any issues at an early stage.

Online prescription module:

This module helps the patients to get an online prescription from Doctors. The health issue can be sent to the Doctor and if it is not a serious issue, medicine will be prescribed or else the Doctor can give suggestions accordingly if it is a serious issue.

Unique features of this project:

- Majority of the people have thyroid problems nowadays and our application provides a great platform for treating and taking care of thyroid conditions at home.
- Due to pollution and environmental factors, there is a great increase in issues related to skin. Our application helps to identify various skin issues and their severity and get treatment from experts at home.

CONCLUSION:

For taking care of our health consistently and during situations like pandemic, we always need a Doctor with us and this application ensures that it provides comfort for the patient to consult the Doctor from home.