



Skinzy

<http://www.skinzy.in>



Pre-Conference Symposium
INTERNATIONAL CONFERENCE ON INNOVATIVE COMPUTING & COMMUNICATION
(ICICC-2019)

ORGANISED BY: TECHNICAL UNIVERSITY OF OSTRAVA
16th MARCH, 2019



TUTORIAL SESSION ON

“TRANSFER LEARNING FOR SKIN DISEASES PREDICTION : DERMAPHOTO AS A CASE STUDY”

Dr. Dhananjay Kalbande,
Post Doctorate Fellow, Ph.D.
Professor and Head, Computer Engineering
Sardar Patel Institute of Technology
Andheri west, Mumbai-400058-India.
drkalbande@spit.ac.in

Dr. Avinash Sharma
Member IETE, CSI, IEI
Maharishi Markandeshwar engineering
college, MMDU Campus, India, 133207
E-mail: asharma@mmumullana.org;
sh_avinash@yahoo.com

Are You Taking the Right Steps to Care for Your Skin?

Skin disorders vary greatly in symptoms and severity. They can be temporary or permanent, and may be painless or painful. Some have situational causes, while others may be genetic. Some skin conditions are minor, and others can be life-threatening. Skin can be taken care initially with identification of its disease using the mobile application developed by Skinzy.

Skinzy, a virtual startup incubated at Sardar Patel Institute of Technology is an idea envisioned by its founder and CEO Dr. Dhananjay Kalbande in association with Dr. Uday Khopkar, the head of the dermatology department at KEM hospital. Skinzy's vision is to help rural and semi urban areas for primary level prediction of skin diseases. Skinzy's mission is to develop accurate skincare solution for common man.

With the awe-inspiring research of 5 yrs, Skinzy developed a mobile application “Dermaphoto”. “Dermaphoto” is an artificial intelligence aided diagnosis mobile application that predicts the skin diseases based upon the provided input images of skin. “Dermaphoto” provide scanning option to take picture of infected skin area. This

picture is processed further to get results showing analysis of different pattern of skin disease.

“Dermaphoto” predicts ten different skin diseases like Vitiligo Tinea, Prurigo Nodularis, Onychomycosis (Nail Fungus), Melasma, Keratosis Pilaris, Furuncle Eczema, Acne Corporis, Acanthosis Nigricans. Results of these diseases are more than 90% accurate.

“Dermaphoto” can be easily downloaded from google play store on the mobile phone of any configuration. Scanning of single image can be done using camera option provided in the application while multiple pictures can be scanned using gallery option. This app is very easy to use.

Skinzy carries open mindset to handshake with those who wants to work in the domain of social work, skin problem identification and businessman. Career @Skinzy is open to all researcher to coordinate with improving and developing algorithms used in detection. Business @skinzy is open to all venture to join to us to enlarge runway of development.

#Joinskinzy #businessskinzy

DISCLAIMER: THIS APP IS FOR AIDING DOCTORS ONLY. IT DOES NOT AIM OR TO INTEND TO REPLACE ANY DERMATOLOGIST. THE RESULTS OBTAINED ARE FOR REFERENCE PURPOSES ONLY AND DO NOT INDICATE SEVERITY. WE WOULD RECOMMEND YOU TO VISIT A DOCTOR IF A DISEASE IS PREDICTED WITH A HIGH PROBABILITY.