DIAGNOSING AFFECTED ORGANS USING AUTOMATED IRIDOLOGY SYSTEM

This thesis is presented to College of Arts and Sciences

In fulfilment of the requirements for

Master of Science (Intelligent Systems)

University Utara Malaysia

By

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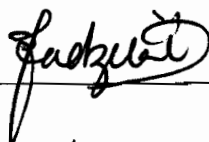*(has presented his/her project paper of the following title)*

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ACKNOWLEDGEMENTS

First, I would like to express my gratitude to my supervisor, Associate Professor Fadzilah Siraj for expertise, gentle guidance and encouragement, which ensured that, progress was continuously maintained. Our discussions since the last three months have contributed to the completion of this work.

I also would like to express my thanks to the University Utara Malaysia, especially to staff and my colleagues of the Faculty of Intelligent Systems, for the enjoyable working environment, and for the given support.

Last, but not least, I would like to thank my mother for her endless encouragement, my wife, my children and all the people close to myself, for their strong support, encouragement, friendship and love. I am grateful for their understanding during the time during which I was absent due to my study time.

Sincere Grateful,
Hilal Nasser Albusaidi

Abstract

Iridology is the study of the iris of the eye for medical purposes. It is a preventive medicine since it can warn a person's tendency towards an apparent disease. Cleansing and healing of the body can be verified from changes in the iris. This study aims to design and develop an iris recognition system for automating iridology. The project involves 3 main steps: applying image processing techniques on eye image for data acquisition, collecting the database which is necessary for the iridology analysis and recognizing the affected organ in the body through iris analysis by using neural networks techniques. The image processing techniques are utilized for extracting eye images. A chart of right and left eyes has been acquired through the Internet and approved by an iridologist. Then, the extracted iris image is compared to the chart to determine the affected organ. Neural network with Back propagation is used to match the iris images with affected organ. A total of 159 images retrieved from internet was preprocessed and fed into NN engine. The Backprobagation network succeeded and getting best results because it attained to 96.2 % correction percentage.

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CHAPTER ONE

INTRODUCTION

This chapter presents a background about iridology and the construction of the eye. Then, problem statement is stated as well as research objectives and questions. Finally, research scope and significance are specified.

1.1 Background

Iridology is the study of the iris of the eye for medical purposes. It is a preventive medicine because it can warn a person who has a tendency towards an apparent disease. A person progress can also be expressed by the iris. Cleansing and healing of the body can be verified from changes in the iris. Iridology works conjunctively with nutrition, herbal medicine, Orthomolecular Medicine to make sure the client is getting his/her appropriate dose of nutrients, minerals, organic elements, enzymes, vitamins and the proper PH balance in the stomach.

Essentially, the iris is a "blueprint" of the tissues and organs and can demonstrate areas and stages of inflammation as well as the healing process. Each part of the iris correlates to areas of the body with the left eye corresponding with the left-side and the right eye with the right-side as shown in Fig. 1.1.

The contents of the thesis is for internal user only

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