

An Expert System on Common Ailments
at the Main Health Center
in Las Pinas

008100

An Undergraduate Special Problem
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ABSTRACT

Name of Institution: De La Salle University - Dasmariñas.

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TITLE: An Expert System on Common Ailments at the Main Health Center in Las Pinas.

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OBJECTIVE OF THE STUDY :

The objective of the study is to develop an expert system that can imitate the doctor's capabilities in diagnosing a patient on common ailments at the main health center in Las Pinas.

SCOPE AND COVERAGE :

1/ The ^{system} (subject will only) tackle common ailments at the health center which can be computerized as suggested by the author's contact doctor. 1/

2/ The system is especially designed as an aid or guide for doctors, as well as health workers in treating their patients and not to replace the doctor. The system does not include a database of patients previously diagnosed and a help feature. 2/

3/ Persons, besides the health workers, who will use this program must be familiar with medical terms especially names of such ailments. 3/

METHODOLOGY :

The design used in this special problem is rapid prototyping. The instrument used in making this project is the interview method. The research was done at the Main Health Center of the Municipality of Las Pinas and at the clinic of Dr. Eusebio, MD. The Procedure

used in this study are as follows: identification and its scope, knowledge acquisition, design, and testing and evaluating the prototype.

OUTPUT OF THE STUDY :

An expert system in diagnosing common ailments at the health center was developed to demonstrate improvements in the design of the expert system. The improvements include: diagnose of ailments common at the health center, provide prescription and prevention of ailments, and print necessary information about the ailment. The software was made to run in a DOS-based environment.

CONCLUSION :

The author has drawn: the expert system was able to meet its objective, that is to develop an expert system that can imitate the doctor's capabilities in diagnosing patients on common ailments at the main health center in Las Pinas.

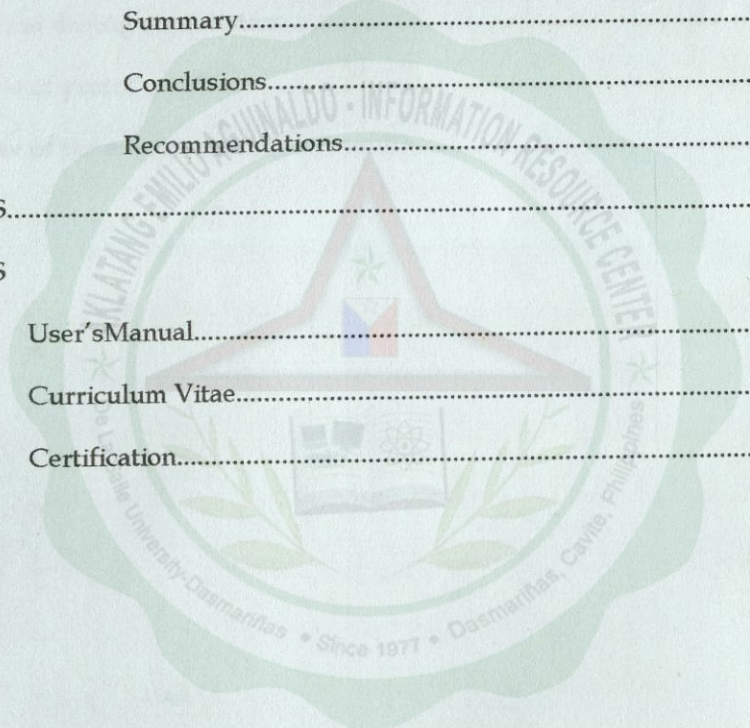
RECOMMENDATIONS :

The author recommends the expansion of the knowledge base to achieve more intelligence and create a database that stores information of patients previously diagnosed.

TABLE OF CONTENTS

	PAGE
TITLE PAGE.....	1
ABSTRACT.....	2
APPROVAL SHEET.....	4
ACKNOWLEDGMENT.....	5
TABLE OF CONTENTS.....	6
LIST OF FIGURES.....	8
CHAPTER	
1 THE PROBLEM AND ITS BACKGROUND.....	9
Introduction.....	9
Background of the Problem.....	9
Objective of the Problem.....	10
Scope and Delimitation of the Study.....	10
Importance of the Study.....	10
2 REVIEW OF RELATED LITERATURE.....	11
3 METHODOLOGY.....	16
Research Design.....	16
Research Instrument.....	17
Research Setting.....	17
Research Procedure.....	17
4 PRESENTATION, RESULTS, AND DISCUSSION OF DATA.....	18
Identification of the problem and its scope	18

	Knowledge Acquisition	19
	Designing the expert system.....	21
	Testing and Evaluation of the prototype.....	26
	How does the system work.....	27
5	SUMMARY, CONCLUSIONS AND RECOMMENDATIONS.....	29
	Summary.....	29
	Conclusions.....	30
	Recommendations.....	30
	REFERENCES.....	31
	APPENDICES	
A	User's Manual.....	32
B	Curriculum Vitae.....	36
C	Certification.....	37



LIST OF FIGURES

FIGURES

PAGE

2-1 Structure of a VP-Expert Knowledge Base.....14

4-1 Flow diagram during consultation.....20

4-2 System flow of prototype#1.....24

4-3 System flow of the expert system(end result).....26

