

COMPUTERIZATION OF A TYPICAL HEALTH FARM

2003021034

by

Tsikkou Polymnia

SUMMARY

Project Report

Submitted to

the Department of General Studies

of the Higher Technical Institute

Nicosia Cyprus

in partial fulfillment of the requirements

for the diploma in

COMPUTER STUDIES

Project Supervisor : Miss Maria Tsindas

External Assessor : Mr Paul Iacovides

June 1990

Tsikkou Polymnia

CS / 034

HIGHER TECHNICAL INSTITUTE	PROJECT NO. 1724
----------------------------------	---------------------

PROJECT CS/034

INTRODUCTION

1.1 SYSTEM DEVELOPMENT

- 1.1.1 Investigation
- 1.1.2 Analysis and General Design Phase
- 1.1.3 Detailed Design and Implementation Phase

SUMMARY

A Health Farm Information System should be one that would serve its boarders' data in a manner useful to the doctors, time-table schedulers, and board team of the health farm as well as to the accounting personnel.

The purpose of the Health Farm Information System is to store all the boarders' data in one place and retrieve it in any efficient and convenient way, which will be useful to end users. Such data is personal, current medical, past medical, board and time-table data.

The computerized approach to the health farm system should be considered as optimum. The computer space would replace big volumes of other storage and after all boarders' data manipulators will be free from data error, deficiency, inconsistency and delay of information delivery.

Tsikkou Polymnia

- 1.2.2.5 Financial Feasibility
 - 1.2.2.5.1 Figure of cost (Fig 1-1)
 - 1.2.2.5.2 Figure of cost? (Fig 1-2)
 - 1.2.2.5.3 Figure of cost? (Fig 1-3)
- 1.2.3 Feasibility Report
 - 1.2.3.1 Working Papers
 - 1.2.3.1.1 Review of new system requirements
 - 1.2.3.1.2 Possible system solutions
- 1.2.4 Management Decision

Table of Contents

ACKNOWLEDGMENTS	1
INTRODUCTION	1
1. SYSTEM DEVELOPMENT LIFE CYCLE	4
1.1 Investigation Phase	4
1.2 Analysis and General Design Phase	4
1.3 Detailed Design and Implementation Phase	5
1.4 Installation Phase	5
1.5 Review Phase	5
2. INVESTIGATION PHASE	6
2.1 Introduction	6
2.2 Initial Investigation activity	8
2.2.1 Introduction	8
2.2.2 Initial Investigation Report	9
2.3 Feasibility Study activity	12
2.3.1 Introduction	12
2.3.2 Feasibility Study considerations	13
2.3.2.1 Operational Feasibility	13
2.3.2.2 Human Factor Feasibility	15
2.3.2.3 Technical Feasibility	16
2.3.2.4 Schedule Feasibility	16
2.3.2.5 Financial Feasibility	17
2.3.2.5.1 Figure of cost1 (Fig 1-1)	
2.3.2.5.2 Figure of cost2 (Fig 1-2)	
2.3.2.5.3 Figure of cost3 (Fig 1-3)	
2.3.3 Feasibility Report	19
2.3.3.1 Working Papers	21
2.3.3.1.1 Review of new system requirements	21
2.3.3.1.2 Possible system solutions	22
2.3.4 Management Decision	23

3. ANALYSIS AND GENERAL DESIGN PHASE	24
3.1 Introduction	24
3.2 New System Requirements	25
3.2.1 Introduction	25
3.2.2 User Specification	27
3.3 New System Design	35
3.3.1 New System Design Specification	36
3.4 Implementation and Installation Planning	44
3.4.1 Introduction and End products	44
4. DETAILED DESIGN AND IMPLEMENTATION PHASE	47
4.1 Introduction	47
4.2 Technical Design	48
5. CONCLUSION	52
APPENDIX A	
1. Data Dictionary	
2. System's Inputs and Outputs	
APPENDIX B	
1. Data flow diagrams	
2. System models	
APPENDIX C	
1. Systems Flowcharts	
GLOSSARY OF TERMS.	