

**HIGHER TECHNICAL INSTITUTE COURSE
IN COMPUTER STUDIES**

DIPLOMA PROJECT

**SOFTWARE PACKAGE FOR
GROWTH HORMONE STUDY
CS/271**

MARILENA IORDANOU

6 JUNE 2001

HIGHER TECHNICAL INSTITUTE	PROJECT NO. 3241
----------------------------------	---------------------

INITIAL INVESTIGATION PHASE

1.1 INITIAL INVESTIGATION

1.1.1 Introduction

The project relates to the Pediatric Cardiology Clinic, which is part of the Pediatric Department of the Makarios Hospital in Nicosia. This Clinic is the backbone for the research of Growth Hormone in all Cyprus.

Every year the clinic encounters approximately 60-80 cases of patients who are in need of growth hormone treatment. The patients are treated here but in serious cases a patient will be forced to go abroad for surgery.

The Clinic itself is relatively small. Two Doctors, a nurse and a secretary combine the clinics staff. Never the less the Clinic has the utilities and the grounds to offer the patient the best care possible. The main objective that the staff of the clinic would like to achieve is taking the level of patient care into a higher degree.

There is not an existing system that would computerize the patient's records. Till now this was done manually.

CONTENTS

<u>1.CHAPTER 1:Initial Investigation</u>	
<u>1.1 Initial Investigation</u>	1
<u>1.2 Feasibility Study</u>	11
<u>2.CHAPTER 2:Analysis And General Design Phase</u>	
<u>2.1 Existing system review</u>	13
<u>2.2 New System Requirement</u>	16
<u>2.3 New System Design</u>	20
<u>3.CHAPTER 3:Detailed Design And Implementation Phase</u>	
<u>3.1 Technical Design</u>	22
<u>3.2 Test Specification And Planning</u>	24
<u>3.3 User Training</u>	25
<u>4.CHAPTER 4:Installation Phase</u>	
<u>4.1 File Conversion</u>	26
<u>4.2 System Installation</u>	26
<u>5.CHAPTER 5:Review Phase</u>	
<u>5.1 Development Recap</u>	27
<u>5.2Post Implementation Review</u>	27

APPENDIXES