

# HIGHER TECHNICAL INSTITUTE

## COMPUTER STUDIES COURSE

### DIPLOMA PROJECT

***DEVELOPMENT OF A SOFTWARE PACKAGE  
FOR B-THALASSAEMIA MUTATION PATIENTS***

CS/076

Design by  
GEORGIU GEORGIA

JUNE 1992

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DEVELOPMENT OF A SOFTWARE  
PACKAGE FOR B-THALASSAEMIA

MUTATION PATIENTS

Project Number : CS/076

Project Report Submitted by : GEORGIU GEORGIA

In partial fulfillment of the requirements for the award of the Diploma in Computer Studies of the Higher Technical Institute, Nicosia - Cyprus.

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## **CHAPTER 1.**

### **1. INTRODUCTION:**

*The 'Development of a software package for B-Thalassaemia Mutation Patients' was designed in response to the request made by the Cyprus Thalassaemia Center at Makarios Hospital in Nicosia.*

*The purpose of this system is to computerize the process of identifying the B-Thalassaemia Mutation Patients. This includes the registration and data keeping on all tested persons that are considered as B-Thalassaemia Patients. Also for the diagnosis of B-Thalassaemia Patients various B-Thalassaemia mutations are identified by advanced molecular techniques. Furthermore, reports, statistics and a graph are going to be generated about searching results.*

*The basic objective of this project, is to develop a system that would be user-friendly and efficient, to fulfill the need of having results without delays.*

*Before the introduction of the computerized system, all data was kept manually and all the processes were carried manually, as well.*

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