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COURSE IN COMPUTER STUDIES

DIPLOMA PROJECT

**GENERAL HOSPITAL
ACCIDENT AND EMERGENCY
DEPARTMENT
INFORMATION SYSTEM**

CS/324

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Appendix B: Existing System Forms

Appendix C: User Questionnaires and Interviews

Appendix D: Proposed Network

Appendix E: Offers

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Appendix G: Context Diagrams & DFDs

Appendix H: Data Dictionary

Appendix I: Shifts

Introduction

The Accident & Emergency Department Of Nicosia Hospital is the department responsible for the caring and treatment of any patient that inexpertly comes in by the use of any media (Private media, Ambulance, Helicopter). The reason of their arrival in the department varies (due to an accident, sickness etc) and its (in most of the times) unpredictable. Due to its nature, the department daily deals with a rather high number(250-300/day) of patients and very often cooperates with the Police, The Court, and other Government Departments. The above procedures produce a certain amount of data which can be later used for future treatment of the patient(s), Reports and Statistics Generation and finally, future programming of the department

All procedures and functions mentioned above are done manually including the Reports And Statistics Production. This is a major problem for the department with a number of drawbacks generated with the pass of the year. The roots of these problems are found in the great volume of work that is done in the department (100000-150000 patients per year) ending this way with a vast amount of data (Every one of them has its one diagnosis and treatment record) in the form of paper. As you realize, these volume of data is very difficult to store and handle and gets even more difficult day by day.

The aim of our project is to convert the current manual system to a new computerized system that will be able to store and handle these data and provide a variety of functions that are very common nowadays (searching,

reports, statistics and anything else these data may be used for).The following information were gathered during meetings with the personnel of A&E (Appendix C). The procedures to be followed are the ones that we have been taught and explained in the five semesters of studies in HTI.

The expected outcome of this project is a complete System Analysis, a User Manual for the new System and finally, a Computer System ready for installation that would comply all the terms specified in Appendix A.