HIGHER TECHNICAL INSTITUTE
COURSE IN COMPUTER STUDIES

DIPLOMA PROJECT

GEOGRAPHICAL INFORMATION SYSTEM IN SUPPORT OF POLICE ACTIVITIES

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BY

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INTRODUCTION

The main purpose of the Geographical Information System (G.I.S.) in support of Police Activities is to fully computerised all the procedures that involves the production of graphs and reports.

The system gives a geographical dimension to the information needed of road accidents, high-crimes and traffic violations, so that it can be presented and analysed in such a way that will facilitate further the police activities.

Furthermore, it develops a map based user interface of Cyprus and Nicosia including the police stations and the police Headquarters. The information of each case (road-accident, high-crime, traffic violations) can be stored, retrieve analysed and presented.

GEOGRAPHICAL INFORMATION SYSTEM IN SUPPORT OF POLICE ACTIVITIES

SUMMARY

The purpose of this system is to produce a package that will perform graphs reports for each type of case (Road-Accidents, High-Crime, Traffic-Violations).

The existing system was a manual system with a limited number of statistics and with no geographical dimensions. A new computerised system has been designed, coded and implemented to replace the existing one.

The new system is a user friendly and efficient. It covers all the previous made statistics and also produce other additional statistics. Generally, it handles results of each case, give statistical graphs and reports that will help to take the appropriate decisions in their expeditions.

Also a separate User's Manual has been provided to help the users that are going to use the system. The manual gives extensive, descriptive and helpful material to guide the use through the system.

Christina Kleanthous

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