

**HIGHER TECHNICAL INSTITUTE**  
**COURSE IN COMPUTER STUDIES**

**DIPLOMA PROJECT**

**PASCAL LANGUAGE MULTIMEDIA  
COURSEWARE PACKAGE**

**CS / 376**

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## INTRODUCTION

The project is concerned with the implementation of a multimedia courseware package, which will be used by students or by any interested individuals, as an additional tool for learning programming using Pascal language. The request for the development of this system was issued by the Computer Studies Department of the Higher Technical Institute, as one of the requirements for the award of the diploma in the Computer Studies Department.

The main purpose of this system is to provide to the users an attractive computerized tool which can be used for easy learning and practice of the Pascal programming language. Chapters will follow a logical sequence, starting from the most basics and continuing to more advanced and complicated programming. The system will also include many program examples, as well as many lab and home assignments with their solutions. This project will be considered successful if a person, who had no idea about Pascal before getting this tool, can afterwards be able to write and debug programs in Pascal.

Since this project is a multimedia system, it does not comply with many steps of the Structured System Analysis and Design Method (SSADM) approach. Therefore not all of SSADM's phases will be followed. Many of those phases will be altered or even ignored in order to provide the best and simplest possible documentation for this project.

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