

HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DEVELOPMENT OF A MULTIMEDIA
INTERACTIVE PACKAGE FOR VEHICLES

M/946

ANDREAS LOIZOU

JUNE 2002

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HIGHER TECHNICAL INSTITUTE	PROJECT NO. 3368
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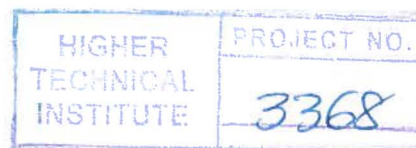
**DEVELOPMENT OF A MULTIMEDIA INTERACTIVE
PACKAGE FOR VEHICLES**

M/946

BY: ANDREAS LOIZOU

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**DEVELOPMENT OF A MULTIMEDIA INTERACTIVE COURSEWARE PACKAGE
OF VEHICLES**

by

Andreas Loizou

Project Report

Submitted to

the Department of Mechanical Engineering

of the Higher Technical Institute

Nicosia Cyprus

in partial fulfilment of the requirements

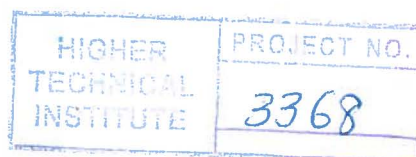
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Summary

After a search in libraries for books concerning vehicles, you can realize that books cannot give a spherical view about the subject. At these days technology can give us more than just text and pictures. Through this multimedia interactive package for vehicles, you can additionally get information in the form of sound, video and animation.

This package (CD), is made as more user friendly as possible. Using this CD you can easily navigate and jump from one part of a subject to another with just a click on the mouse. The whole idea of combining sound, video, text and animation makes learning exciting for everyone.

In addition, the package includes five sections about vehicles, which are included in the "All about vehicles" section; these sections are "layout and applications", "Transmission systems", "Steering and steering geometry", "Braking systems. Suspension wheels and tires." and "Vehicle maintenance" section. There is also a tutorial section which you can use to check what you have learned after your navigation through the "All about vehicles" section. The "Help" section that is present in the package, it provides solutions to possible problems that the user may have during the navigation.

Introduction

Through the passing of years people were studying and trying to find new ways to learn everything about vehicles and to improve them.

The main objective of this project is to create a Multimedia Interactive Package for Vehicles to help 2nd year Mechanical Engineering students, to understand better the course of Plant Engineering I.

This Package, comes as a completion of an already existing package, the “Development of Multimedia Interactive Courseware Package for Internal Combustion Engines” written by Andreas Panayi, June 2000. It covers the syllabus of vehicles on transmission systems, steering systems, braking systems, vehicle maintenance and additionally contains a tutorial section to check what you have learned through multiple choice questions of four choices each.

Combining all these advantages, this CD is a great completion for a 2nd year student of Mechanical Engineering at Higher Technical Institute, for the course of Plant Engineering I.