HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING DEPARTMENT

COMPUTER AIDED DESIGN OF A MECHANICAL ASSEMBLY

DIPLOMA PROJECT

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COMPUTER AIDED DESIGN OF A

MECHANICAL ASSEMBLY

by

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SUMMARY

This project has to do with computer aided design of a mechanical assembly. It shows the various equations which are necessary for designing a machine element. Also it shows the different software that is used for visualization and the steps needed to design that element.

It also shows the advantages and disadvantages of using CAD software for visualization purposes.

Finally it shows how simple a mechanical assembly can be shown with the aid of CAD software. The program used for visualizations is Autodesk's Inventor 9 Professional Version.

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I dedicate this project to my grandfather

Iacovos Antoniou

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