COMPUTER AIDED DESIGN
OF A GEAR TRAIN SYSTEM

By

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Project Report

Submitted to

the Department of Mechanical Engineering
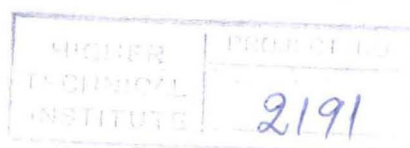of the Higher Technical Institute
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ABSTRACT

The objectives of this project are:

1. To present appropriate design procedures for the design of gear train systems of various capacities.

2. To develop flowcharts showing the input data, the sequence of the design procedures and output forms.

3. To write, design and test the appropriate software.

4. To investigate the possibility of connecting the software with AutoCAD.

In the first Chapter reference is made to the capabilities of the AutoCAD system concerning drawing and designing of gears.

In the second Chapter reference is made to gear parameters and specifications, materials and manufacturing methods and design equations.

Chapter three is a user manual which will enable the user to operate the program and also contains flowcharts that indicate the course of the program.

CONTENTS