HIGHER TECHNICAL INSTITUTE

COURSE IN COMPUTER STUDIES

DIPLOMA PROJECT USER MANRAL

DESIGN AND DEPELOPMENT OF A COMPUTER CONTROLLED PACING DRIVER BASED ON AN OPEN SOURCE PACING SIMULATION

CS//37/2

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JUNE 2007

HIGHER	PROJECT NO
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#### **COMPUTER STUDIES**

DEPARTMENT

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# **DIPLOMA PROJECT**

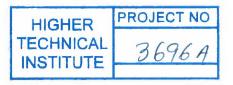
# **USER MANUAL**

## DESIGN AND DEVELOPMENT OF A COMPUTER CONTROLLED RACING DRIVER BASED ON AN OPEN SOURCE RACING SIMULATION

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### 1. TORCS Installation

This section will guide you through the installation of TORCS 1.3.0 on Linux from sources. Further installation instructions for Linux and Windows binaries are available from the official TORCS site. During the installation you have to run several commands in a shell. If a command starts with a hash (#) you should run this command as superuser (root), if it starts with a \$ you may run it as normal user.

### 1.1 Hardware Requirements

Hardware Requirements for robot development in TORCS are the following:

#### Minimum:

400MHz CPU

**128MB RAM** 

OpenGL 1.2 compatible graphics card with at least 16MB RAM

#### **Recommended:**

600MHz CPU

256MB RAM

OpenGL 1.3 compatible graphics card with at least 64MB RAM

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