

HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING COURSE

DIPLOMA PROJECT

DESIGN AND CONSTRUCTION OF A
SMALL LABORATORY WATER BATH

M/974

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HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING COURSE

Diploma Course

Design and construction of a small waterbath system

SPYROU MICHALIS

June 2003

HIGHER TECHNICAL INSTITUTE	PROJECT NO. 3448
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**DESIGN AND CONSTRUCTION OF A SMALL LABORATORY
WATERBATH SYSTEM**

By

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Spyrou Michalis

June 2003

Summary

Design and construction of a small laboratory Water Bath system

Author: Spyrou Michalis

The main idea of this project is to design and construct a small water bath for use in a laboratory environment.

As a first step, the design was made, the scale drawing were drawn at the distances discusses before, with Dr. Polyvios Eleftheriou.

Then, according tot he demands and the conditions that were to be maintained by the devise, the selection of the appropriate materials was made and the construction was of to start.

The electrical components, i.e. the controller element relays etc were connected, programmed, and fitted to the device.

Finally, the result was the construction of a water bath suitable to work safe for the user and able to be used, as a model for investigation, an improvement for better future results.

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