

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

DESIGN OF THE ELECTRICAL
SERVICES OF A RESEARCH CENTER

E / 1154

BY: PAPAMICHAEL YIANNIS

JUNE 1998

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HIGHER TECHNICAL INSTITUTE	PROJECT NO. 2889
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This project is dedicated to my family and my real friends

HIGHER TECHNICAL INSTITUTE

**DESIGN OF THE ELECTRICAL
SERVICES OF A RESEARCH CENTER**

PROJECT REPORT SUBMITTED BY

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In part satisfaction of the conditions for the award of Diploma of Technician
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SUMMARY

ELECTRICAL INSTALLATION OF A RESEARCH CENTER

BY

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This project deals with the electrical installation of a research center.

The objectives of this project are:

- 1) To design the complete electrical installation of a Research Center which includes the following:
 - (i) Power
 - (ii) Lighting
 - (iii) Structured cabling

- 2) To provide all necessary diagrams schedule of materials and costing including labour.

The whole work was carried out successfully and in a way that all the objectives have been satisfied.

All the design calculations of lighting and power were done and all the lighting fitting points and power points were marked on the drawings.

All the necessary regulations concerning the electrical installation have been studied.

All these are shown in the project. All the results have been tabulated and the diagrams for the electrical connections were drawn.

The structure cabling system was designed successfully.

Finally, all the drawings are attached in the project.