

**HIGHER TECHNICAL INSTITUTE**

**ELECTRICAL ENGINEERING DEPARTMENT**

**DIPLOMA PROJECT**

**METAL FABRICATION WITH PLC**

**E. 1353**

**BY  
CHRISTOS ZORPAS**

**JUNE 2004**

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HIGHER TECHNICAL INSTITUTE	PROJECT NO 3509
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**METAL FABRICATION WITH PLC**

**BY  
CHRISTOS ZORPAS**

**In partial fulfillment of the requirements for  
the Diploma Award of the Technician  
Engineer in Electrical Engineering  
Department of the Higher Technical  
Institute  
NICOSIA-CYPRUS**

**PROJECT SUPERVISOR: Mr. J Demetriou**

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# **SUMMARY**

## **“Metal fabrication with PLC”**

**By**

**Christos Zorpas**

A programmable logic controller (PLC) is a microprocessor based control system, which is easy to use. Most people use a plc in a case of automated applications.

The object of this book is to provide an introduction to the plc.

Chapter 1 gives an introduction to plc's with the advantages and disadvantages that have and also it mention about the architecture of the plc's.

Chapter 2 describes the programming methods that they exist, the functions that the ladder language and about scan time.

At chapter 3 is the application that we have to examine.

At chapter 4 are the solution of the application with the diagrams and the explanation of the programs.

For conclusion we have ways that we can use to make it better and last one we have a appendix, which you can find more details about the plc functions.