

# MICROPROCESSOR BASED AUTOMATIC PCB TESTING SYSTEM

by

**Loucas Louca**

Project Report

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the Department of Electrical Engineering  
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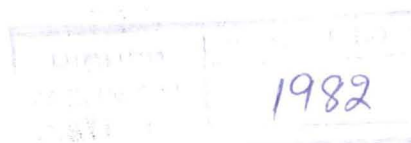
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# Summary

Author : **Loucas Louca**  
Project Title : **Microprocessor based automatic PCB Testing System.**

A new project is being carried out by CY.T.A. for which 1200 of the card under test will be required. As a result a Testing System must be developed in order to ensure that these cards are operating properly. This Testing System must be fast, user friendly and being able to locate exactly where the fault is. Furthermore it should give different messages for different kind of faults.

This project is a proposed solution for the above problem. It uses the 8085 microprocessor by Intel which is the heart of the whole project. The microprocessor sends the required signals to the inputs of the Card Under Test, it monitors the output signals, it processes them and decides whether the Card is faulty or not. According to the result an appropriate message will be displayed on the LCD. In certain occasions it may be required to run the manual test option of the system in order to locate exactly where the fault is.

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