

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

**DEVELOPMENTS OF A MICROPROCESSOR CONTROL
PARKING METER**

by

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JUNE 1995

TECHNICAL
INSTITUTE 2464

DEVELOPMENT OF A MICROPROCESSOR CONTROL
PARKING METER

Project report submitted by
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to the
Electrical Engineering department
of the
Higher technical Institute
Nicosia, Cyprus
in partial fulfillment on the requirements
for the diploma of
TECHNICAL ENGINEER
in
ELECTRICAL ENGINEERING

June 1995

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

ACKNOWLEDGMENTS

I would like to thank my supervisor Dr Marios Kasinopoulos for his help and guidance throughout the whole project period.

My thanks and appreciates are extended to the electrical engineering department and especially to Mr Artemis Papacostas.

Finally, I would like to express my sincere thanks to my brothers and my parents for their valuable help and economical support.

SUMMARY

The interest of the municipality of Nicosia for a new type parking systems, with the need of a unit to control the parking system was the reason of execution of this project. The unit will be able to supply the drivers with the information's regarding the availability of empty parking positions in a parking place.

In order to succeed this a microprocessor control unit is used. A unit which with the proper designed interface card will give and take information's, in order to keep things going perfectly in the car park and would supply the drivers with the information's regarding free parking positions at the parking place.

This project is dealing with the designed, construction and development of the necessary software to control this unit. Any information's regarding the parts of the project mentioned above are found in the following chapters.

I decide to take this specific project because I believe that microprocessors and their applications is a very interestic topic. More specific I liked very much the ideal of the microprocessor controlled park and the fact that these kinds of parking systems are going to appear in Cyprus in the not to distance feature push me to take this project.