HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

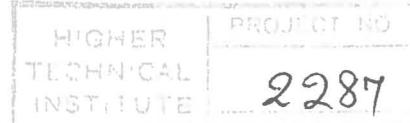# DEVELOPMENT OF A MICROCONTROLLER
FOR A CAR PARK

E/904

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JUNE 1994

MICROPROCESSOR CONTROLLED CAR PARK

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

TECHNICIAN ENGINEER

in

ELECTRICAL ENGINEERING

June 1994

ACKNOWLEDGMENTS

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

My thanks and appreciations are extended to the staff of the electrical engineering department of the Nicosia Municipality and especially to Mr Artemis Papacostas.

Finally, I would like to express my sincere thanks to my brother Panicos, my sister in law Eleni and Christos for their most valuable help.

Special thanks to my parents for their moral and economical support.

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INTRODUCTION

The construction of a five floor car park within the walls in Nicosia brought the owner, the Nicosia municipality, with the need of a unit to control this car park. A unit that will be able to supply the drivers with information, regarding the availability of empty parking places in the car park.

And what unit would do the job better than a microprocessor control unit? A unit which together with a proper designed interface card will give and take information, in order to keep things going perfectly in the car park and would supply the drivers with the information regarding free parking places in the several floors of the car park.

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