

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

DEVELOPMENT OF A MICROCONTROLLER  
FOR A CAR PARK

E/904

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# MICROPROCESSOR CONTROLLED CAR PARK

Project Report submitted by  
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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.