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FINAL YEAR PROJECT REPORT

ELEVATOR BASED AUTOMATED CAR PARKING SYSTEM

In fulfillment of the requirement
For degree of
BCE (COMPUTER ENGINEERING)

By

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Acknowledgement

In your hands is the Final Year Project Report of our proposed solution in response to the assigned task. We are grateful to **Dr Moazzam Fareed Niazi** Project Advisor for providing both of us an unconditional and all time support for successful completion of our undertaking.

all the group members have mutually cooperated to add to the task completion. However as in all groups we also have had our fine share of agreements and disagreements and quarrels and their doggedness. Overall however, we have continued to move forward on our chartered path of exploring the hardware and software development processes and procedures.

Although the way ahead may be more challenging but we hope, it will be exciting as well as rewarding for all the group members.

We thank particularly and very cordially to our Head Of computer and Software Department **Dr.Sohaib Ahmed** and our PMO manager **Engr Nabiha Faisal** for providing us with all possible facilities and resources. Their cooperation and encouragement, throughout the project helped us achieving our goals.

Abstract

Every motorized trip goes ends in a parking situation. Truly, when one arrives at a destination by any motor vehicle one of the first experiences is of parking. This gives rise to parking problems-and solutions.

There are two kinds of parking in all over the world

- Public parking (usually on-street)
- Private parking (all sorts on private grounds)

Particularly in the cities and the big towns there is a problem where the supply-demand ratio makes parking a problem for parking space providers, the motorists or both.

We are here to give a bare summary on the difficult subject of parking problems and solutions.

These are just some of the many solutions that are available to thinking parking professionals and their customers/users who are the motoring public.

Parking a car has become a serious challenge in recent years especially in crowded public areas. Moreover, the number of cars on the roads are also increasing rapidly, and eventually raising the severity of this challenge

This Project is a step toward addressing the aforementioned parking challenges by providing methods of monitoring and management of 3-dimentional parking area. The automated car parking system will enable users to find available parking area where the user can park his vehicles safely. In that result, the congestion of traffic in parking area will be avoided.

Automatic multistoried car parking system helps to minimize the parking area.

Keywords: aforementioned, motorists, crowded, severity, congestion

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