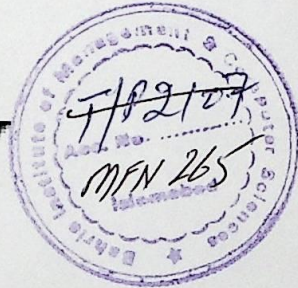
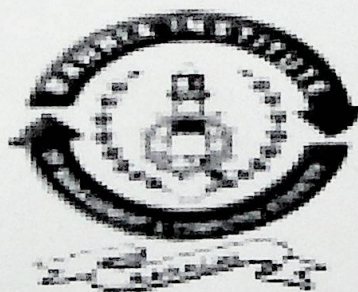


MOVING VEHICLE NUMBER PLATE RECOGNITION SYSTEM

(Image Processing)

By

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141022-027



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By
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A report is submitted to the department of computer science,
Bahria Institute of Management and Computer Sciences, Islamabad

In partial fulfillment of requirement for the degree of MCS

Department of Computer Sciences
Bahria Institute of Management and Computer sciences, Islamabad
Bahria University, Islamabad

Dedication

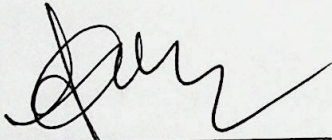
This application is dedicated to my Parents, who taught me lots over the years. Whatever I am, I am partly because of them and they are the joys of my life.

Acknowledgment

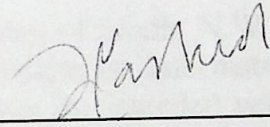
It is a pleasure to acknowledge our software application to the many people involved, directly or indirectly, in the production of this application. It has also benefited enormously from the comments of, and discussions with, numerous friends and reviewers. We wish to acknowledge Mr. Fazal-e-Wahab Head of Computer Science Department, Mr. Zarrar Javaid Undergraduate Course Coordinator and Mr. Dr. M.A. Khan Graduate Coordinator of BIMCS, for their support and encouragement. I am also thankful to my supervisor Mr. Rashid Karim for his expertise, guidance and interest in my software. I would particularly like to thank the IT Manager of Informatics Gallery Mr. Arif Tanveer for numerous illuminating conversations and much stimulating correspondence. Without the encouragement and support of all these people throughout this project I would not be able to do this project.

Certificate

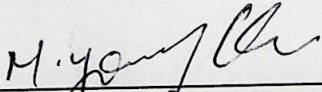
We accept the work contained in this report as a confirming to the required standard for the partial fulfillment of the degree of MCS in the subject of Computer Science.



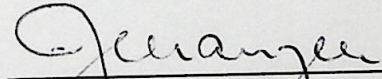
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Abstract

Moving Vehicle Number Plate Recognition System (MVNPR) is application software that automatically extracts the license plate from moving vehicle and then automates the process of recognition. Number Plate Recognition is an image-processing technology used to identify vehicles by their license plates. This technology is used in various security and traffic applications

We choose this project to automate the license number plates of Sindh, N.W.F.P. and Baluchistan. We are also maintaining the databases, which contains the information about the vehicles. Search facility is also provided to check whether the intended vehicle has passed or not. The software can run in automatic as well as manual mode. In automatic mode the license plates are recognized automatically from a video file. In manual mode the user can manually take the snap of the vehicle which is then recognized by the software. There are some silent features of our project.

- Frame capturing from the movie.
- Locate the number plate are in the picture.
- Recognized the characters on the plates.
- Information of the vehicle is saved in the data bases.
- It provides the security only verified person can see the information.

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Project in Brief

Project Title	Moving Vehicle Number Plate Recognition System
Software Name	Clever Eye
Developed by	Mr. Yasar Zaman Kayani Miss. Rizla Pervaiz
Company	Informatics Gallery, Software Technology Park, Islamabad
Supervisor	Mr. Rahid Kareem
Tools Used	Visual C++
Operating Environment	Window based Machines
Machine Used	AMD Athalon 850 Mhz 512 MB RAM