

NO PARKING VEHICLE DETECTION

A PROJECT REPORT

Submitted by

AKHIL MS

AJITH KRISHNA

*in partial fulfillment for the award of the degree
of*

MASTER OF COMPUTER APPLICATIONS



**HAJI C.H.MOHAMMED KOYA MEMORIAL COLLEGE FOR
ADVANCED STUDIES (AFFILIATED TO KERALA UNIVERSITY)**

CHAVARCODE

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BONAFIDE CERTIFICATE

Certified that this project report “**NO PARKING VEHICLE DETECTION**” is the bonafide work of **AKHIL M S** who carried out the project work under my supervision.

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Mr. Rajesh S

Associate Professor

HEAD OF THE DEPARTMENT

Mrs. Nisha A

Assistant Professor

INTERNAL GUIDE

EXTERNAL EXAMINER

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ABSTRACT

No-Parking Vehicle Detection (NPVD) system is one type of intelligent transportation system (ITS). It is a type of technology in which the software enables computer system to read automatically the license number plate of vehicle from digital pictures. Reading automatically the number plate means converting the pixel information of digital image into the ASCII text of the number plate. This paper discusses a method for the vehicle number plate recognition from the image using mathematical morphological operations. The main objective is to use different morphological operations in such a way that the number plate of vehicle can be identified accurately. This is based on various operation such as image enhancement, morphological transformation, edge detection and extraction of number plate from vehicle image. After this segmentation is applied to recognize the characters present on number plate using KNN Algorithm. This algorithm can recognize number plate quickly and accurately from the vehicles image.