



**RESEARCH ARTICLE**

## Automatic Licenses Plate Recognition

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***Abstract— This paper describes the Smart Vehicle Screening System, which can be installed into a tollbooth for automated recognition of vehicle license plate information using a photograph of a vehicle. An automated system could then be implemented to control the payment of fees, parking areas, highways, bridges or tunnels, etc. This paper contains new algorithm for recognition number plate using Morphological operation, Thresholding operation, Edge detection, Bounding box analysis for number plate extraction, character separation using Segmentation and character recognition using Template method and Feature extraction.***

***Key Terms: - morphological operation; number plate extraction; character segmentation; character recognition; feature extraction***

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