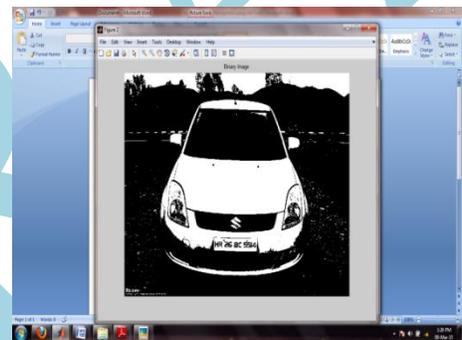
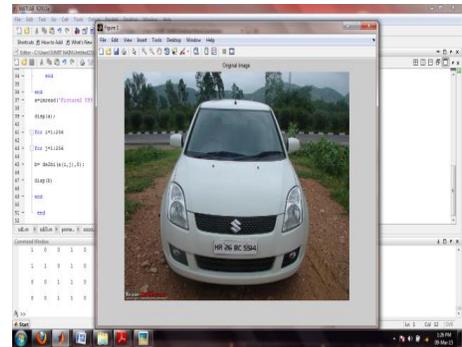
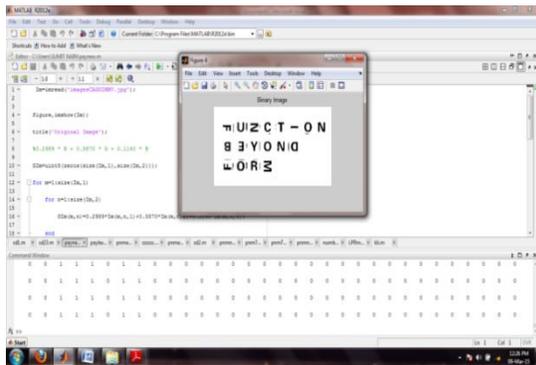
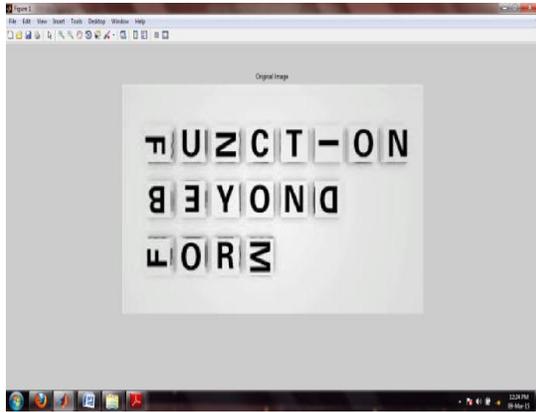




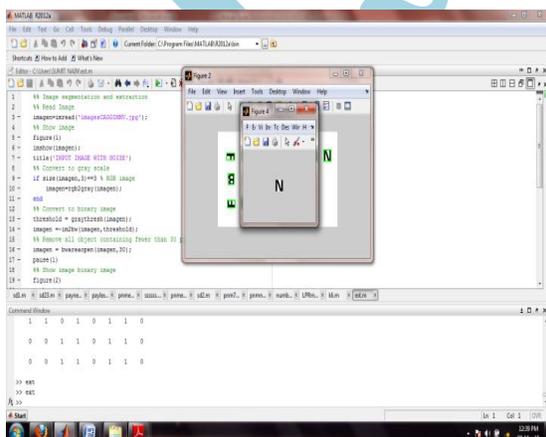
A new binary image is formed by morphological operation on a binary image in which the pixel has a non zero value at that location in the input image only if the test is successful. A structuring element is a small matrix of pixels with a value of zero and one. An image with structuring element of structuring elements is specified by matrix dimensions. The shape of the structuring element is specified with the help of the patten of ones and zeros.

### Extraction of text part from vehicle image

### Original Images



### Extraction of text part from image



### IV. FUTURE SCOPE

New methods for character recognition are still expected to appear, as the computer technology develops and decreasing computational restrictions open up for new approaches. There might for instance be a potential in performing character recognition directly on grey level images. However, the greatest potential seems to lie within the exploitation of existing methods, by mixing methodologies and making more use of context. Integration of segmentation and contextual analysis can improve recognition of joined and split characters. Also, higher level contextual analysis which



look at the semantics of entire sentences may be useful. Generally there is a potential in using context to a larger extent than what is done today. In addition, combinations of

multiple independent feature sets and classifiers, where the weakness of one method is compensated by the strength of

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