German University in Cairo
Media Engineering and Technology
Assoc. Prof. Rimon Elias

DMET 901: Computer Vision
Egyptian Licence Plates Regulation System
Assignment 1

Guidelines:

1. The assignment is to be implemented **individually**.
2. Code: to be submitted in **one .cpp file**. Comment your code so that it is clear which function is answer to which question.
3. Report: containing answers to the questions in addition to required screenshots.
4. Submission: submit your assignment through the MET website.
5. **Deadline**: Thursday 20/10/2016, 11:59 pm. Late submissions will not be accepted

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Part 1:

1. Load Image (L1.jpg) and convert it to binary using thresholding
2. Blend Images (L1.jpg) with resized image (logo.jpg) with a ratio 4:1
3. Load Image (L2.jpg) and adjust its brightness with a value of 50
4. Load Image (L3.jpg), implement affine transformation to get a front view of the plate (hint: you may **not** use OpenCV existing method)
5. Load Image (L4.jpg) and apply homography transformation to get a front view of the plate (Hint: you may use OpenCV existing method)