

Given a picture of an Egyptian national id, you are tasked to remove the logo of جمهورية مصر العربية and replace it with the color of its background, see attached examples.

You are free to use any image processing, or machine learning technique you see fit.

You are required to submit a function that takes 2 arguments, input image path, and output image path where the output image is save:

```
Process_image('folder/input_image.jpg','folder/output_image.jpg')
```

Submissions instructions:

- 1- Create a GitHub repo
- 2- Upload your code in a notebook form to the repo.
- 3- The Notebook should include a test run, all files included in the test should also be uploaded to the repo
- 4- Submit the link to your repo to the google form. Make sure the repo is public.
- 5- You can write any notes in a markdown in the notebook.

We recommend using google colab.

If any libraries are installed, please include the installation lines in your notebook.

E.g. !pip install numpy

Submissions will be evaluated based on:

- 1- Quality of the output pictures (was the whole logo replaced? Is the color of the replacement homogenous with the rest of the id, does the code handle bad quality input?)
- 2- Processing time (all submissions will be tested in the same cloud environment)
- 3- Code modularity and readability.

Submission deadline: Sunday 19/5/2024 11:59 pm

Partial solutions are accepted so if you can't finish the whole task by time, just share what you got so far.

Good luck

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