

**Computer Vision**

**Task 4**

**Team # 17**

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| --- | --- | --- | --- |
|  | Name | Sec | BN |
| 1 | Khloud Abdulazeem Mostafa | 1 | 29 |
| 2 | Awatef Ahmed Hasan Ahmed | 2 | 6 |
| 3 | Meirna Kamal eldin Hussein | 2 | 36 |
| 4 | Heba Muhammed Alrefaey | 2 | 42 |
| 5 | Walaa Salah Abdullatef | 2 | 45 |

**Contact Email:**

<meirnakamal9999@gmail.com>

**Results:**

**Thresholding**

1. Optimal Thresholding

Global

Computation\_time of Optimal\_Global\_Thresholding function= 0.10798168182373047



Local

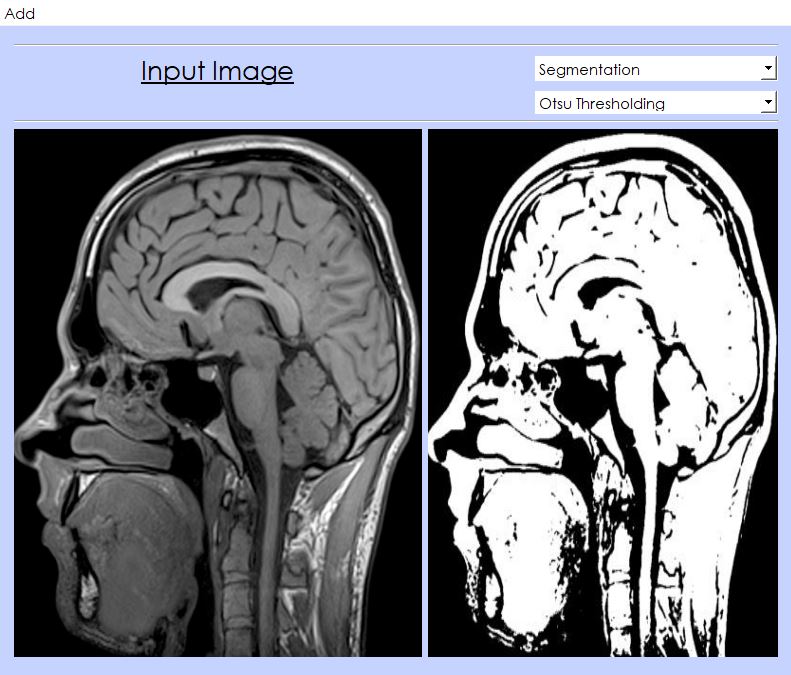
Computation\_time of Optimal\_Local\_Thresholding function= 0.19566750526428223



1. Otsu

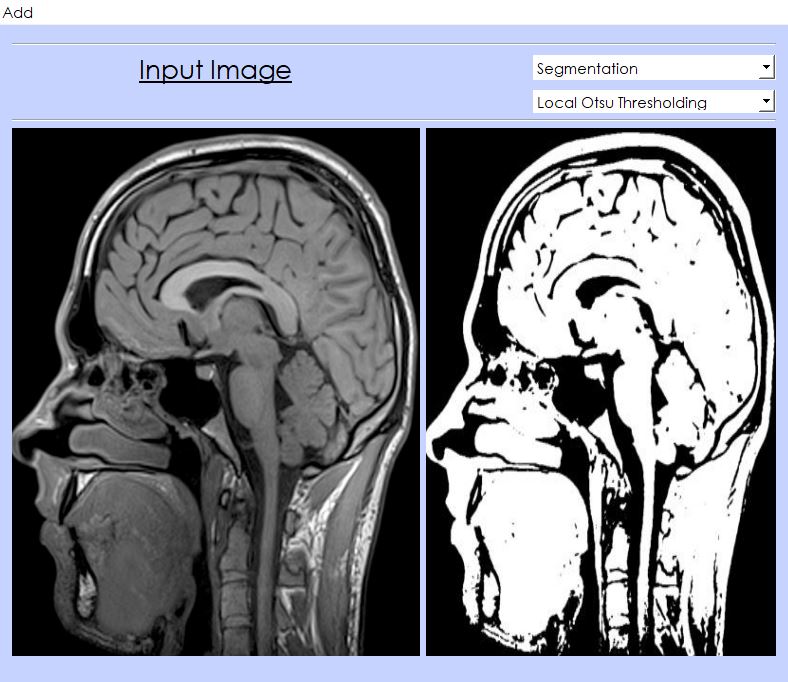
Global

Computation\_time of Otsu\_Global\_Thresholding function= 0.025985240936279297

Otsu threshold : 67

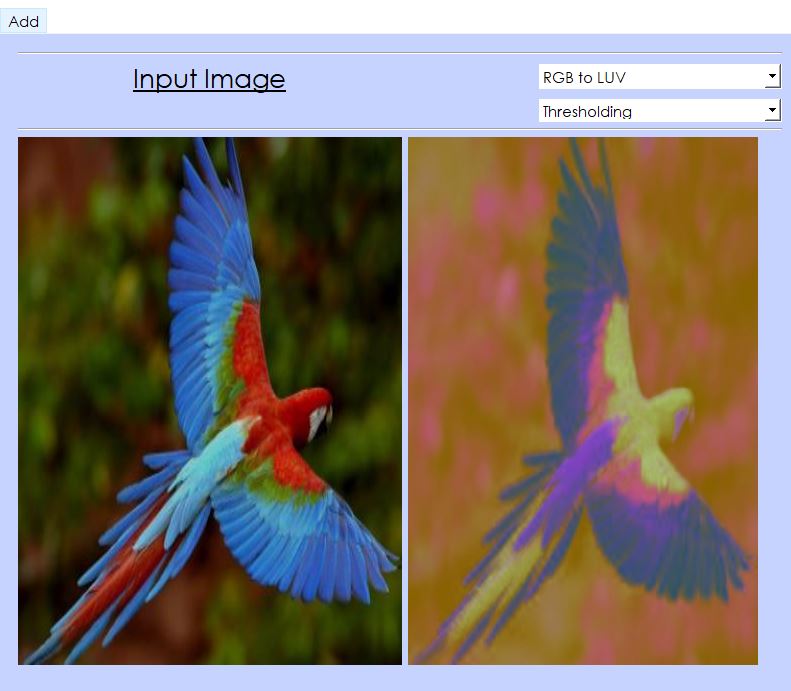
Local

Computation\_time of Otsu\_Local\_Thresholding function= 0.01998591423034668



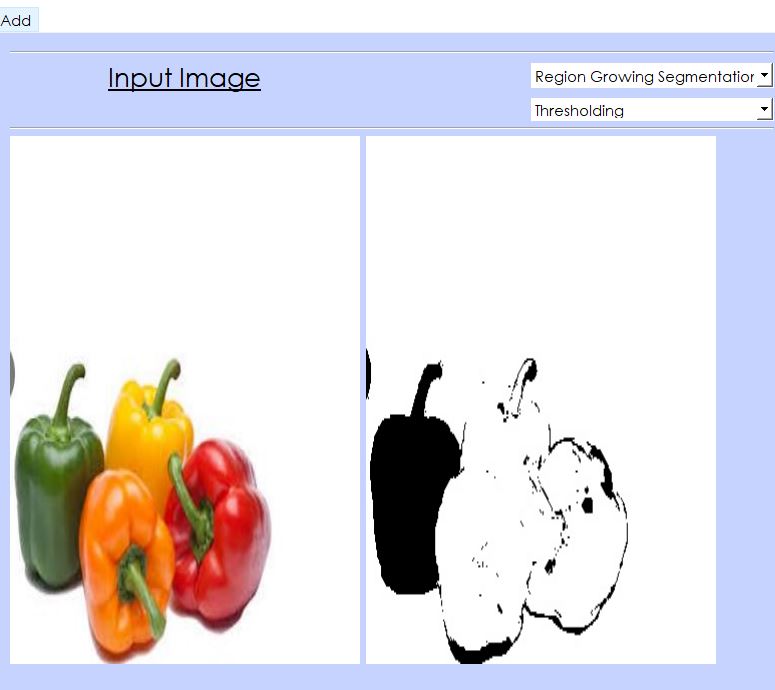
1. Spectral Thresholding

**LUV**

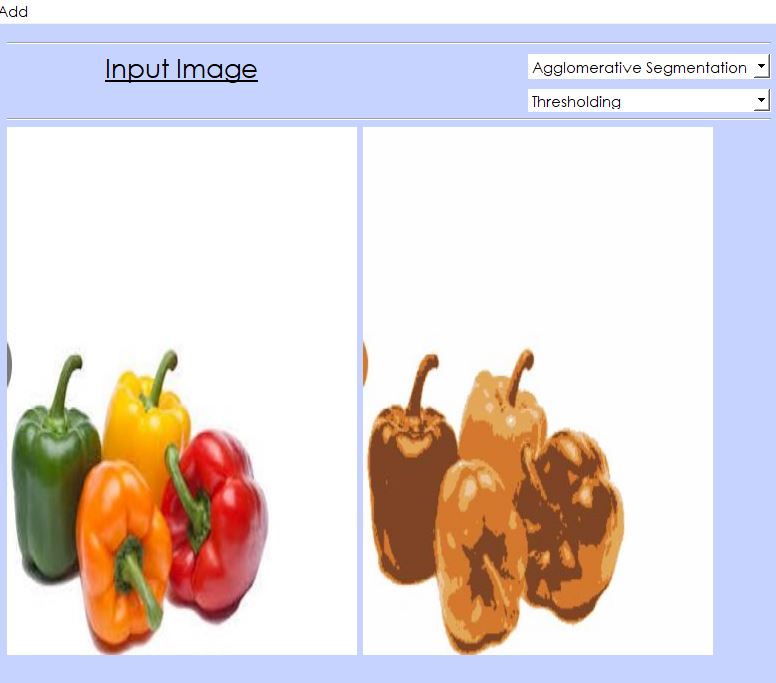
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**Segmentation**

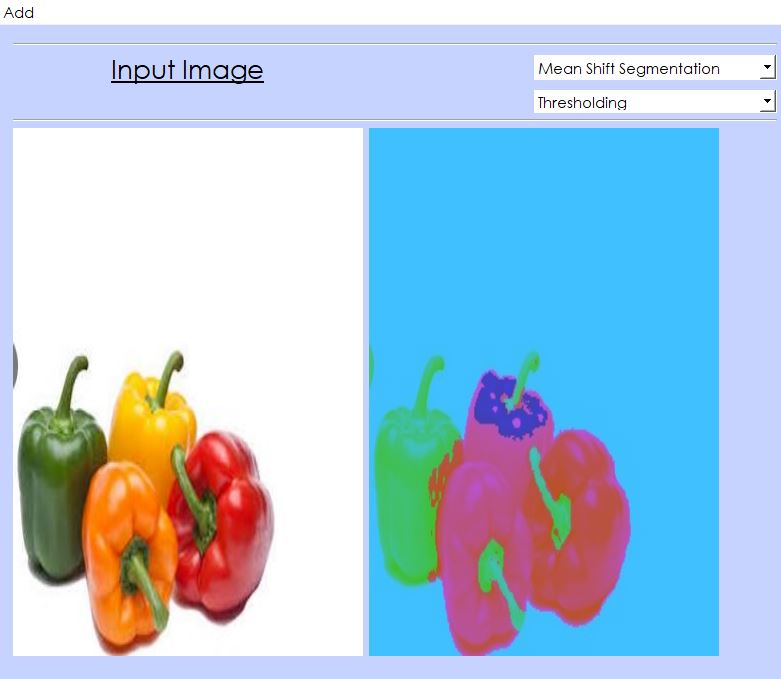
1. K-means
2. Region Growing

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1. Agglomerative

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1. mean shift method.

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