

The background of the slide is a soft-focus photograph of pink flowers with a small butterfly perched on one of them. The butterfly has white wings with orange and black markings. A large, semi-transparent purple circle is centered on the slide, containing the text.

IMAGE PROCESSING

ASMAA GAMAL

TORPEDO SOFTWARE MEMBER

Task3 in DL & ML

[HTTPS://COLAB.RESEARCH.GOOGLE.COM/DRIVE/1HGRK49-MIS1E64SMMITU9J3P2BS1H_CI?USP=SHARING](https://colab.research.google.com/drive/1HGRK49-MIS1E64SMMITU9J3P2BS1H_CI?usp=sharing)

Kindly notice that:

1. the correct or the optimal num of iterations in this NN data classification model is equal to 60 and I tried different numbers of iterations but they underfitted or overfitted. $i = 60$ gives me the exact fitting curve that was required from us in the task.

2. This is the trail of generating more images from data:

https://colab.research.google.com/drive/1uUn6Ceqw_4C0pq43zYdTIZaNdSgXezlx

3. U can find my full task folder in this below link:

<https://drive.google.com/drive/u/0/folders/1pjyHAWgynqplT-ce4M0dBptojGBOKxir>